Codebook for the American Housing Survey,

Public Use File:

1997 and later

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Introduction

The U.S. Department of Housing and Urban Development's Office of Policy Development and Research contracted with ICF International to develop a revised codebook for the American Housing Survey (AHS) for 1997 and later. Since the original creation of this codebook, ICF International has made periodic updates to reflect new data releases and changes to the AHS.

Updated versions of this codebook will continue to be released as the AHS is further modified and as more effective ways of presenting current information are found. For such purposes, feedback on the codebook's use is both welcomed and appreciated.

Contact about this codebook

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Other information

Some background information on the AHS is included in Appendix A. More information can be found on HUD USER at: http://www.huduser.org/datasets/ahs.html or at the Census Bureau at: http://www.census.gov/hhes/www/ahs.html.

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How To Use the Codebook

This codebook focuses on the AHS as it has been conducted since 1997. The codebook contains several resources to help users locate information on specific variables and learn more about each subject covered in the survey and the codebook. Variables are divided into 16 sections based on subject matter. The table of contents lists these sections and the page numbers on which they start. The variable listing in each section is preceded by a summary of what's available as well as helpful notes for users. An alphabetical listing of variables, section references, and data modules is located after the section on data structure. The Appendices include background information on the AHS, detailed definitions of terms used in the survey, and supplemental information on technical matters important to using the data. In addition, an index is located at the end of the codebook with page references for every variable and other important topics.

For information on the AHS before 1997, please refer to the other Codebooks cited under Additional Resources at the end of this Introduction section.

Each variable listing contains the following information. The FRENT variable is used as an example:

Variable Name	**FRENT**
Brief description of variable	Frequency of rent payment
Response codings. "B", "D", "R", " **.** ", and blank, are different types of missing value codings.	1:52 1-52 times per year 53 53 times or more B Not applicable
This entry describes the question. This long description should be viewed as a reasonably accurate, although not exact rendering. The long description was created off of the basic questions filling in text as appropriate. However, this text may change based the exact questionnaire skip patterns and housing unit circumstances. To determine the exact questions asked, users must refer to the Questionnaire code on the HUD User website, and manually simulate the application of the instrument for the particular household.	*Long description:* How often is the rent payment for this unit due?
Identification of variable as Character or Numeric in the data set. In most cases, Census treats any variable with 2 or more digits as numeric.	*Type:* Numeric

Lists Edit Flag variable, if applicable. The Edit Flag variable reports if there was an edit or allocation made to the original variable, and what type of change was made for that observation.	*Edit flag variable:* JFRENT
If variable is allocated, which matrix provides information. Appendix B provides descriptions of the process and the matrices used. Allocations occur to fill in missing values.	*Allocation Matrix:* Matrix E
Whether or not variable is topcoded. "Topcoded" refers to whether or not the extreme outlier values were adjusted to preserve respondent confidentiality. The *Notes* section contains a description of how a variable is topcoded. Beginning in 2001, Census began using the mean of the topcoded cases as the topcoded value.	*Topcoded:* No
Module in which variable is located. Module refers to the computer file where the raw data resides. In 2001, the information in househld, toppf, and weight files were combined into one new file called newhouse. The *Module 1999 and earlier* line is omitted if the variable is new in 2001. The *Module 2001 and later* line is omitted if the variable is no longer included in the data.	*Module 1999 and earlier:* houshld *Module 2001 and later:* newhouse
Unit of observation is what level the data is collected on. This is typically the household or individual level.	*Unit of observation:* HOUSEHOLD
List of survey years and type when variable is present in the past three surveys.	*Present in survey year(s):* 1997N, 1998MSA, 1999N, 2001N
Notes are included to clarify a definition, highlight important changes in wording or respondents across years and other facts that may affect the comparability or reliability of the question. Only included if applicable.	*Notes:*

This is an “English translation” of the Census blanking edits to indicate when values are “out of universe” or not present subject to certain conditions. The exact code restricting universes can be found in Appendix B.	*Conditions not in universe:* 1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR 2 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR 3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR 4 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR 5 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance] ; OR 6 : [Occupied interview] AND [Occupied without payment]

Some questions are asked in all surveys, some are not. This codebook shows when each question was asked in the national and metropolitan surveys since 1997. Even within a survey, be careful of homes where a question was not applicable, such as vacant, demolished, and newly built homes. The codebook shows codes for each of these situations. For example, code R in SATPOL (whether respondents are satisfied with police patrol in their neighborhoods) indicates the respondent refused to answer, while code B indicates not applicable, because the respondent was not asked the question, for example.

The codebook includes more detailed information on the following to help researchers use the data:

- *Weighting:* The introduction to Sample Status, Weights, Interview Status provides variables used for weighting and explains cases of zero weighted units.

- *Allocation:* To preserve the integrity of the survey data, the Census Bureau allocates, i.e. assigns, values to observations for certain missing variables. The codebook contains a chapter on allocation variables. In addition, Appendix B contains the matrices that Census uses to assign values when responses are missing.

- *Universes:* The codebook includes approximations based on Census’s blanking edits in the Q-Code as to when questions are not asked. These have been translated into more reader friendly terminology under variable descriptions and the complete codings are included in Appendix C.

- *Modules:* The alphabetical and by section variable lists also identify the module in which the data for a particular variable are located.

Users can also take advantage of several features of Adobe Reader or Acrobat to make using the codebook easier and faster. These suggestions are made based on Adobe Reader 9.0. If you are using an older version, the most recent version of the free Adobe Reader can be downloaded for free from http://www.adobe.com.

- *Searching*: Variables can be quickly located using the search function, which can be accessed by either clicking on the "binoculars" icon on the tool bar or pressing Control + F. To direct your search to a particular variable and its description if you know the variable name, include an equals sign after the variable. For example, the find the coding for the variable BANK, whether the first mortgage was borrowed from a bank, type BANK = (note there are two spaces after the variable name before =) into the find box.

- *Copying:* Information can be copied out of the codebook into another software package. This is useful for creating other documentation or to put variable definitions and codings into other programs. The text selection option can be used to copy text from this codebook into another document or software program. The location of the text selection tools varies with the version of Acrobat Reader. In version 5.0, there is a toolbar icon with the letter "T" and a dotted box next to it. Clicking on that will give you the text selection tool. Clicking on the drop-down arrow next to it will give the choice of that tool or the column selection tool. Column select allows you to specify a region of the screen to select, instead of having to select whole lines. These tools can also be accessed by pressing V and Shift + V, respectively.

- *Extracting pages:* Adobe Acrobat contains a function that allows users to extract pages from document. (Unfortunately, this feature is not available in Adobe Reader.) The extract pages function is located under the "document" menu on the toolbar.

Data Structure and File-Flattening

Data Structure

The "raw state" of the AHS data is a collection of files, each containing data in a different format or layout. Each record type corresponds to one or more module(s) in the data collection instrument or processing. This file format corresponds roughly to the actual data collection process. The files in 2001 to the present are:

HOMIMP	Questions about upgrades and remodeling
JTW	Journey to work or commuting information
MORTG	Mortgage information
NEWHOUSE	Household-level information, data recodes, unit characteristics, and weighting information
OWNER	Questions just for owners of rental properties
PERSON	Individual person level information

RATIOV Verification of income to cost when the ratio of income to cost is outside of certain tolerances. (Note: This file was present from the 1998 AHS metro sample to the 2005 national sample. This file is not present in 1997 or in 2007.)

RMOV Recent mover information

The file NEWHOUSE was added in 2001, combining previous modules HOUSEHLD, TOPPUF, and WEIGHT. This change allows users to perform a greater number of household-level analyses without having to merge the component data files together. Prior to 2001, the information in NEWHOUSE is kept in three separate files. The modules are:

HOUSEHLD Household-level information (on internal Census Bureau data, this file is called "houshld")

TOPPUF General unit characteristics and data recodes

WEIGHT Weighting information

The files are available in both SAS and ASCII formats. The ASCII files are not a Census Bureau product. The ASCII versions have the same multi-file layout as the SAS versions, but differ in the coding of missing values. For a description of missing value codes in both file formats, please see the subtitle "Missing Values" at the beginning of Allocation Variables chapter.

The general structure of the collection of files in 1997 is different from the 1995 file structure and earlier versions. The 1997 files are more analogous to a relational database, so it is not possible to simply merge the files together to create the flat file. Each file is based on the unit of observation for that file. For example, the file about the housing unit structure has one observation for each housing unit. The file about the people who live in the housing unit has one observation for each person in the household; if there are multiple persons in the household, there will be multiple observations. As a result, the files have different numbers of observations depending on base unit of observation.

Unit of Observation

There are five basic categories for "Unit of Observation" which are described briefly in the following table.

Unit of Observation	Description
Household	This variable applies to everyone in the household <u>or</u> the characteristics of the housing unit.
Person	This variable applies to an individual in the household.
JTW/Person	This variable, on Journey to Work (Commuting), is at the person level.
MOVERS/Person	This variable refers to an item dealing with movement of the household in whole or in part, and also potentially household formation.
Home Improvement	This variable refers to upgrades/modifications made to the structure, usually part of the list of potential changes.

Single File Version

Some users of the AHS use the data in the format of the different modules, while others use a "single file" or "flat file" version similar to the format used in 1995 and earlier. These users have generally created the single file version by using a SAS program developed by ICF that is distributed with the data. Variables which are converted (have their names changed) in the creation of the single file version are noted in the codebook text.

For a more complete description of the single file format, please see the Documentation of Changes in the 1997 AHS document available on HUD User.

Conditions not in universe

Many users, as well as HUD, have requested that information on the universes applying to certain variables be included in the codebook. This is unfortunately a very difficult task because it requires tracking through the exact question flow and then all of the edits imposed by the Census Bureau later.

However, a reasonable approximation is to look at Census's "blanking edits," conditions where Census made certain that variables were not in the universe. This is intended to be a "plain English" version. The goal of is to have text that says: "Owners are excluded" as opposed to "[(Tenure ne 1)]." The "plain English" version is included with the variable description. The exact coding is present in an appendix.

This concept is still very much a work in progress.

Users are cautioned that the "true" out-of-universe conditions may be larger than the "conditions not in universe" derived from the blanking edits.

Allocation Matrices

In certain circumstances, the Census Bureau will "allocate" missing values based on other information. To do this, they use standard matrices of information.

An appendix describing each matrix and the allocation process is included.

Discussion of the File-Flattening Program

Users can use the raw information in its current state, develop their own programs to read the data in and convert it, or convert the data into a format that is similar to the older format. ICF has also developed a conversion program that combines the different data files into a flat-file format that is similar to that of the 1995 dataset. The final format is a SAS dataset with a similar structure to the original flat file with each observation equal to one housing unit. That program can be found on the HUD USER Web site (www.huduser.org) under the links for AHS data. The program is also included in the distribution of the data in SAS format from the HUD USER

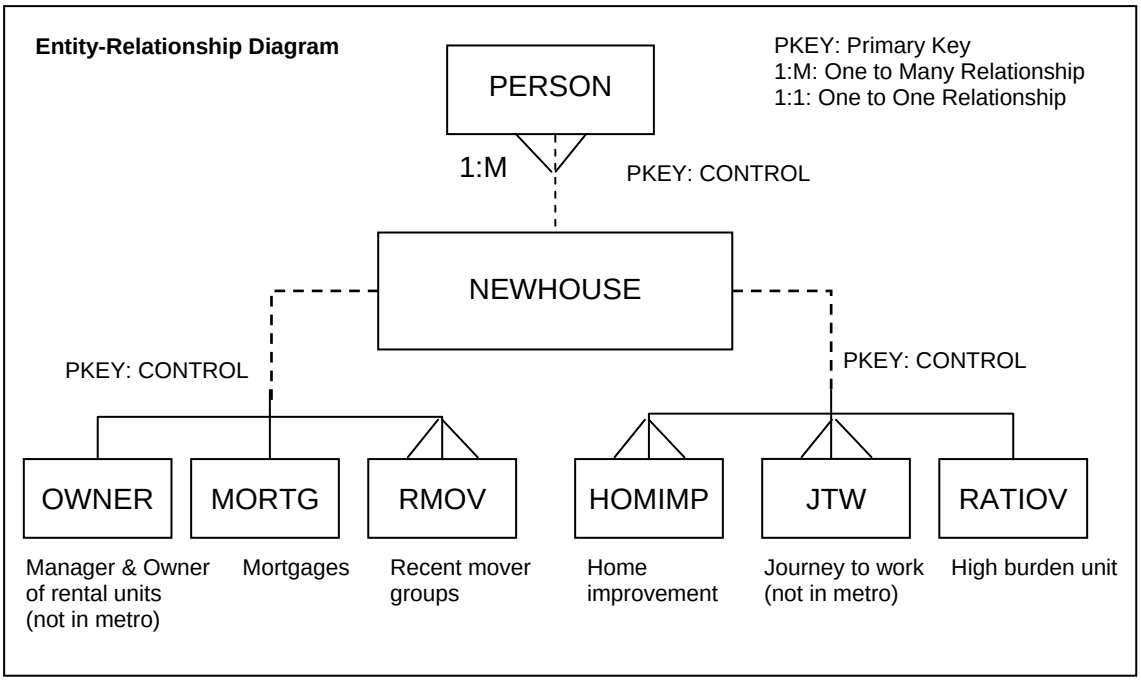
Web site. Currently, the conversion program is written in SAS and works only in SAS. AHS users who are not using SAS will need to convert the programs to the system they are using or use a program developed by another AHS user. The AHS electronic mailing list exists, in part, to facilitate such exchanges. The Census Bureau and HUD do not officially support the flat file format.

Notes on Merging Individual Files

This section describes the data structure for the AHS when using the data in its "native" distribution format – not converted to a flat file. There are also some brief examples of how certain data can be merged together for common tasks. These examples only provide a short summary of the logic behind merging the files together and not the exact code. Additional examples are included in Appendix H.

Basic Diagram

The following diagram provides the basic overview of how the different component files of the AHS merge together. This is based on the 1999 and later distributions of the AHS.



As can be seen from the diagram, the "NEWHOUSE" file serves as the core file which other data are then merged onto. Users should note that multiple variables are needed to merge on certain data, and it is not always the same data. Users should also note that some of the other files are only present in the National or the Metro distributions.

The most important variable for merging is the CONTROL variable, which is present in all of the files. This variable is the control code for the housing unit. CONTROL is a 12-digit variable

unique to each housing unit in the national survey data. In the metropolitan survey data, CONTROL is only unique to a housing unit inside of an SMSA. Therefore, files from the metropolitan surveys must be merged by using SMSA CONTROL in order to correctly match housing units' characteristics across files.

Each file has its own level of observation. The following table shows the file, level of observation, and the variables needed to merge on, and to what file it should be merged. The word "(multiple)" next to the merging variable indicates that there are multiple observations with the same values for the merging variable inside of a single household.

File Matching Key

File	Unit of observation	Merging variables[1]	To what:
HOMIMP	Home improvements, upgrades, and alternations	CONTROL (multiple)	NEWHOUSE
HOUSEHLD	Household	CONTROL	TOPPUF
JTW	Individual commuting patterns	CONTROL (multiple) PLINE	PERSON
MORTG	Mortgages	CONTROL (multiple)	NEWHOUSE
NEWHOUSE	Household	CONTROL	all other files
OWNER	Owners of rental properties	CONTROL	NEWHOUSE
PERSON	Persons comprising household	1. CONTROL (multiple) 2. CONTROL (multiple) MOVGRP (multiple) 3. CONTROL (multiple) PLINE	1. NEWHOUSE 2. RMOV 3. JTW
RATIOV	Special cases, household level	CONTROL	NEWHOUSE
RMOV	Groups of persons inside of a household who are recent movers	CONTROL (multiple) MOVGRP (multiple)	PERSON
TOPPUF	Housing unit	CONTROL	all other files
WEIGHT	Household	CONTROL	TOPPUF

[1]CONTROL codes for housing units for the AHS Metro Survey data are only unique within each SMSA. Therefore the SMSA variable must also be used when merging these data files. When using metropolitan data, substitute "SMSA CONTROL" for every occurrence of "CONTROL".

The column that lists into which file the data may be merged should be used as guidance only. There are other valid possibilities. For example, TOPPUF and HOUSEHLD can be thought of interchangeably for merging purposes.

When combining the data, extreme care must be taken. The basic level of observation is generally the housing unit, and improper merging or improper use of weights will lead to inaccurate results.

Merging Variables: In order to keep all of the responses for a particular housing unit together, users must merge or join files using the variables described in the table on the following page. Failure to use the correct merging variables will lead to incorrect merging and combining of data from different households or housing units together.

Weights: Weights are assigned only at the household level; there are no person-level weights present in the AHS. The standard weight variable, WEIGHT, is calculated based on 1980 geography as were all AHS weights from 1985 onwards. So that tabulations using the 2001 (and later) microdata can be matched to the published tables, the Census Bureau and HUD added a variable, WGT90GEO, to the 2001 and later AHS microdata. This new weight is calculated based on 1990 metropolitan geography. Both weights sum to national control totals for total number of units for 2001 and later surverys.

SAMEHH: Please refer to HUD USER, www.huduser.org, for information on a correction applied to the AHS 1997 SAMEHH variable.

Householder: The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

Number of Observations per Housing Unit for a Module: Only the NEWHOUSE in 2001 and later, and HOUSEHLD, TOPPUF, and WEIGHT before 2001, module have exactly one observation for every housing unit in the AHS. Other modules may have none, one, or more than one observation for each housing unit. Certain modules have fewer total observations, such as the HOMIMP module because of the relatively few cases doing home improvements. Some have more, such as the PERSON module because often more than one person lives in a household.

Merging or Joining: When combining data from the different modules, users must be careful to retain the data in a valid format. An overriding goal during the creation of the file-flattening program was to allow all the data to be analyzed at a housing unit level while still allowing the flexibility to examine the data at a greater level of detail, such as the person level.

Validating Combining of Files: Users are strongly encouraged to check their merging or joining of data by comparing their results against summary statistics generated with the public use file (PUF), which is available from the HUD USER Web site. Those summary statistics will match exactly. Users may also wish to compare against results published in the printed AHS report, but there is a chance that those will not match exactly due to the Census Bureau's use of internal data.

Merging and Missing Values: When combining data, users should be certain that they understand how the statistical package they are using treats situations where a one-to-one correspondence in observations for the two data sets does not exist. The basic issue is how the program carries values from one observation to the next. Different statistical packages handle this in different ways depending on the options used. Some statistical packages will carry the value through while others will create a missing value based on the merge. For example, if the NEWHOUSE module has one observation and the PERSON module has more than one matching observation, does the merging technique apply the values from the NEWHOUSE set to every matching observation in the PERSON set, or just to the first matching person?

Additional AHS resources

The U.S. Department of Census American Housing Survey website (http://www.census.gov/hhes/www/ahs.html) contains more AHS-related resources. These include the Field Representatives Manual, weighting specifications, recode specifications, edit specifications, and historical changes.

The AHS website on HUDUSER (http://www.huduser.org) contains the computer code for the 1997 survey instrument, user supplied programs, metropolitan data, and other data resources.

The HUD USER Web site also has a page to distribute user-contributed programs developed using the AHS. These user-contributed programs can be found at http://www.huduser.org/datasets/ahs/ahsprev.html. No warrantees about the suitability of these programs are provided by HUD. If you wish to contribute to this library of programs, please send them to: Dav Vandenbroucke at David_A._Vandenbroucke@hud.gov

Variables Listed Alphabetically

ACCESS	Direct access to unit	Unit
ACCESSB	Entry system required to access building	Unit
ACCESSC	Entry system required to access community	Neighborhood
ADDTN2	Percentage of 2nd mortgage used for additions/improvements	Housing Cost
ADDTNS	Percentage of 1st mortgage used for additions/improvements	Housing Cost
AFUEL	Type of fuel used for air conditioning	Utilities
AFUR	Forced air furnace as supplemental heating equipment	Utilities
AGE	Age of person	Household Composition
AGERES	Age restricted development	Unit
AIR	Room air conditioner	Unit
AIRSYS	Central air conditioner	Unit
ALMV	All movers lived in same previous residence	Recent Movers
AMMORT	Amount of 1st mortgage when acquired	Housing Cost
AMMRT2	Amount of 2nd mortgage when acquired	Housing Cost
AMMRT3	Amount borrowed by 3rd mortgage	Housing Cost
AMMRT4	Amount borrowed by 4th & other mortgages	Housing Cost
AMPM	Time usually leave for work - am or pm	Commuting
AMRTZ	Years needed to pay off 1st mortgage	Housing Cost
AMRTZ2	Years needed to pay off 2nd mortgage	Housing Cost
AMTE	Average monthly cost of electricity	Utilities
AMTF	Annual cost of other fuels	Utilities
AMTG	Average monthly cost of gas	Utilities
AMTI	Annual cost of homeowners insurance	Housing Cost
AMTM	Amount of other charges included in 1st mortgage	Housing Cost
AMTM2	Amount of other charges included in 2nd mortgage	Housing Cost
AMTO	Annual cost of fuel oil	Utilities
AMTT	Annual cost of garbage & trash	Housing Cost
AMTW	Annual cost of water & sewage	Housing Cost
AMTX	Annual real estate tax payment	Housing Cost
ANCHOR	Method used to anchor mobile home	Mobile Homes
ANYCAR	Wall-to-wall carpeting in any area of unit	Unit
ANYPNT	Any painting done on inside of unit	Unit
ANYRUG	Any rugs or carpeting in unit	Unit
APPLY	How got to live in public housing	Household Composition
APTAD	Space added to apartment	Upgrade and Remodeling
APTCH	Type of change to apartment	Upgrade and Remodeling
APTCM	Apartment combined with other apartment	Upgrade and Remodeling
APTFL	Number of floors in the apartment itself	Unit

APTSP	Apartment split into several apartments	Upgrade and Remodeling
ARM	1st mortgage changes due to interest rate	Housing Cost
ARM2	2nd mortgage changes due to interest rate	Housing Cost
ARMASK	1st mortgage changes for other reason	Housing Cost
ARMASK2	2nd mortgage changes for other reason	Housing Cost
ASSTSERV	Manager provides personal care assistance	Unit
ATBSUN	Number of unfinished attics/basements in unit	Unit
BADPER	People in neighborhood are bothersome	Neighborhood
BADPRP	Undesirable neighborhood/property bothersome	Neighborhood
BADSRV	Poor city/county services are bothersome	Neighborhood
BADSTEP	Loose/broken/missing steps in common stairs	Unit Quality
BANK	1st mortgage borrowed from bank	Housing Cost
BANK2	2nd mortgage borrowed from bank	Housing Cost
BATHS	Number of full bathrooms in unit	Unit
BATTERY	Smoke detector batteries replaced in last 6 months	Unit
BBLDG	Type B noninterview building	Sample status, weights, interview status
BDCARP	Wall-to-wall carpeting in bedroom	Unit
BDSTPQ	Loose/broken/missing steps in common stairs	Unit Quality
BEAF78	Unit built before/after 1978	Lead Based Paint
BEDRMS	Number of bedrooms in unit	Unit
BEDX	Number of bedrooms with wall-to-wall carpeting	Unit
BIGP	Area of peeling paint larger than 8 x 11	Lead Based Paint
BIGPEL	Peeling paint outside larger than door	Lead Based Paint
BILLE	Type of billing for electricity	Utilities
BILLEF	Electricity billed with other fuels	Utilities
BILLEG	Electricity billed with gas	Utilities
BILLEO	Electricity billed with fuel oil	Utilities
BILLET	Electricity billed with garbage/trash	Utilities
BILLEW	Electricity billed with water/sewage	Utilities
BILLF	Type of billing for other fuels	Utilities
BILLFE	Other fuels billed with electricity	Utilities
BILLFG	Other fuels billed with gas	Utilities
BILLFO	Other fuels billed with fuel oil	Utilities
BILLFT	Other fuels billed with garbage/trash	Utilities
BILLFW	Other fuels billed with water/sewage	Utilities
BILLG	Type of billing for gas	Utilities
BILLGE	Gas billed with electricity	Utilities
BILLGF	Gas billed with fuel oil	Utilities
BILLGO	Gas billed with other fuels	Utilities
BILLGT	Gas billed with garbage/trash	Utilities

BILLGW	Gas billed with water/sewage	Utilities
BILLO	Type of billing for fuel oil	Utilities
BILLOE	Fuel oil billed with electricity	Utilities
BILLOF	Fuel oil billed with other fuels	Utilities
BILLOG	Fuel oil billed with gas	Utilities
BILLOT	Fuel oil billed with garbage/trash	Utilities
BILLOW	Fuel oil billed with water/sewage	Utilities
BILLT	Type of billing for garbage & trash	Utilities
BILLTE	Garbage/trash billed with electricity	Utilities
BILLTF	Garbage/trash billed with other fuels	Utilities
BILLTG	Garbage/trash billed with gas	Utilities
BILLTO	Garbage/trash billed with fuel oil	Utilities
BILLTW	Garbage/trash billed with water/sewage	Utilities
BILLW	Type of billing for water & sewage	Utilities
BILLWE	Water/sewage billed with electricity	Utilities
BILLWF	Water/sewage billed with other fuels	Utilities
BILLWG	Water/sewage billed with gas	Utilities
BILLWO	Water/sewage billed with fuel oil	Utilities
BILLWT	Water/sewage billed with garbage/trash	Utilities
BLDMNT	Satisfaction with building maintenance	Unit Quality
BLEAK	Water leak in basement	Unit Quality
BLOON	1st mortgage's last payment biggest	Housing Cost
BLOON2	2nd mortgage's last payment biggest	Housing Cost
BOARDU	Type B unit boarded up	Sample status, weights, interview status
BSINK	Unit has a bathroom sink	Unit Quality
BUILT	Year unit was built	Unit
BURNER	Unit has working built-in cooking burners	Unit
BUSIN	Number of offices/business rooms in unit	Unit
BUSPER	# rooms used for business/personal use	Unit
BUYE	Pay for electricity separately	Utilities
BUYE2	Pay for electricity separately	Utilities
BUYF	Pay for other fuels separately	Utilities
BUYF2	Pay for other fuels separately	Utilities
BUYG	Pay for gas separately	Utilities
BUYG2	Pay for gas separately	Utilities
BUYI	Household has homeowners insurance	Housing Cost
BUYO	Pay for fuel oil separately	Utilities
BUYO2	Pay for fuel oil separately	Utilities
BUYT	Pay for garbage/trash separately	Housing Cost
BUYT2	Pay for garbage/trash separately	Housing Cost

BUYW	Pay for water/sewage separately	Housing Cost
BUYW2	Pay for water/sewage separately	Housing Cost
CABNX	Number of cabinets replaced/repaired	Upgrade and Remodeling
CABREP	Replaced/repaired any cabinets in unit	Upgrade and Remodeling
CAMF	Frequency of assoc/mobile home park fee	Mobile Homes
CAMFQ	Frequency of assoc/mobile home park fee	Mobile Homes
CANVAR	Term of 1st mortgage can vary	Housing Cost
CANVR2	Term of 2nd mortgage can vary	Housing Cost
CARS	Number of cars kept for use by household members	Commuting
CASH	Amount of cash received from 1st mortgage	Housing Cost
CASH2	Amount of cash received from 2nd mortgage	Housing Cost
CELLAR	Unit has a basement	Unit
CFUEL	Fuel used most for cooking	Utilities
CITSHP	U.S. Citizenship	Household Composition
CLIMB	Number of floors from main entrance to apartment	Unit
CMSA	1980 design CMSA code	Geography
COKST	Cook stove used as supplemental heating equipment	Utilities
COMMRECR	Community recreational facilities available	Neighborhood
COMMSERV	Community services provided	Neighborhood
CONDO	Unit is condominium or cooperative	Unit
CONFEE	Monthly condo/homeowner's association/mobile home fee	Housing Cost
CONTROL	Control number	Sample status, weights, interview status
COOK	Unit has working cookstove or range/oven	Unit
COUNTY	County code	Geography
CPRICE	Cost of construction plus value of land	Housing Cost
CRACKS	Open cracks wider than dime	Unit Quality
CRIME	Serious neighborhood crime in last 12 months	Neighborhood
CRIMEA	Neighborhood has neighborhood crime	Neighborhood
CRIMEB	Neighborhood crime bothersome	Neighborhood
CRIMEC	Crime so bad you want to move	Neighborhood
CROPSL	Receive farm income	Income
CSTMNT	Annual cost for routine maintenance	Housing Cost
CUSHOM	How owner obtained unit	Household Composition
DAFUR	Forced air furnace - DK if supplemental/parallel	Utilities
DATE	Interview date	Sample status, weights, interview status
DCOKST	Cookstove - DK if supplemental/parallel heat equipment	Utilities
DEGREE	Average heating/cooling degree days	Utilities
DELECT	Built-in electric unit-DK if supplemental/parallel	Utilities
DENS	Number of dens/libraries/tv rooms in unit	Unit
DFIRE	Type C-30/31 severely damaged by fire	Unit Quality

DFLOT	Vented room heater - DK if supplemental/parallel	Utilities
DFRPL	Fireplace w/out inserts-DK supplemental/parallel	Utilities
DFRPLI	Fireplace w/ inserts-DK if supplemental/parallel	Utilities
DFUEL	Fuel used by clothes dryer	Utilities
DHOTH	Other type of heat equipment-DK if supplemental/parallel	Utilities
DHPMP	Heat pump - DK is supplemental/parallel heat equipment	Utilities
DINING	Number of dining rooms in unit	Unit
DIRAC	Number of offices having direct access	Unit
DISAS	Type C severely damaged by natural disaster	Unit Quality
DISH	Unit has working dishwasher	Unit
DISPL	Unit has working garbage disposal	Unit
DISTJ	Number of miles traveled to work	Commuting
DLINE1	Line Number of respondent	Household Composition
DOORX	Number of doors replaced/repaired	Upgrade and Remodeling
DORREP	Any doors repaired/replaced in unit	Unit Quality
DPLF	Pipeless furnace - DK if supplemental/parallel	Utilities
DRSHOP	Medical office/community store on property	Unit
DRY	Unit has working clothes dryer	Unit
DSTEAM	Steam/hot water system-DK if supplemental/parallel	Unit
DSTOVE	Woodburning stove - DK if supplemental/parallel	Unit
DWNPAY	Main source of downpayment on unit	Housing Cost
EABAN	Abandoned/vandalized buildings within 1/2 blk	Neighborhood
EAGE	Unit about same age as nearby units	Neighborhood
EAPTBL	Apartment buildings within 1/2 block of unit	Neighborhood
EBAR	Windows covered with metal bars	Unit
EBARCL	Buildings w/ bars on windows within 1/2 blk	Neighborhood
EBOARD	Windows boarded up	Unit Quality
EBROKE	Windows broken	Unit Quality
ECOM1	Business/institutions within 1/2 block	Neighborhood
ECOM2	Factories/other industry within 1/2 block	Neighborhood
ECRUMB	Holes/cracks or crumbling in foundation	Unit Quality
EGOOD	No listed conditions seen in/on unit	Unit Quality
EGREEN	Open spaces within 1/2 block of unit	Neighborhood
EHEIGHT	Height of apartment buildings within 1/2 blk	Unit
EHIGH	Apartment buildings 7+ stories tall within 1/2 blk	Neighborhood
EHOLER	Roof has holes	Unit Quality
EJUNK	Trash/junk in streets/properties in 1/2 blk	Neighborhood
ELECT	Electrical units used as supplemental heat equipment	Utilities
ELEV	Working passenger elevator	Unit
ELEVWK	At least one elevator in working order	Unit Quality

ELOW1	Single-family town/rowhouses in 1/2 blk	Neighborhood
ELOW2	Apartment buildings <4 stories tall within 1/2 blk	Neighborhood
EMID	Apartment buildings 4-6 stories within 1/2 block	Neighborhood
EMISSR	Roof missing shingles/other roofing materials	Unit Quality
EMISSW	Outside walls missing siding/bricks/etc	Unit Quality
EMOBIL	Mobile homes within 1/2 block of unit	Neighborhood
EPRKG	Parking lots within 1/2 block of unit	Neighborhood
EPRKGA	Nearby parking lots useable by anyone	Neighborhood
EPRKGR	Nearby parking lots for residents only	Neighborhood
EPRKGS	Nearby parking lots for shoppers/workers	Neighborhood
EROAD	Roads within 1/2 block need repairs	Neighborhood
ESAGR	Roof's surface sags or is uneven	Unit Quality
ESFD	Single family homes within 1/2 block	Neighborhood
ESLOPW	Outside walls slope/lean/slant/buckle	Unit Quality
ETRANS	Railroad/airport/4-lane hwy within 1/2 block	Neighborhood
EVROD	Evidence of rodents in unit	Unit Quality
EVRTES	Unit ever tested for lead paint	Lead Based Paint
EWATER	Bodies of water within 1/2 block of unit	Neighborhood
EXCLUS	Number offices used exclusively for business	Unit
EXPOSE	Type B interior exposed to elements	Unit Quality
EXTLN2	2nd mortgage refinanced to renew/extend	Housing Cost
EXTLON	1st mortgage refinanced to renew/extend	Housing Cost
FAFUR	Fuel used by forced warm-air furnace	Utilities
FAMGRP	Family mover group	Recent Movers
FAMNUM	Family number	Household Composition
FAMREL	Family relationship	Household Composition
FAMRM	Number of family rooms/great rooms in unit	Unit
FAMTYP	Family type	Household Composition
FCOKST	Fuel used by cookstove	Utilities
FELECT	Fuel used by built-in electric units	Utilities
FFLIN	Fuel used by unvented room heaters	Utilities
FFLOT	Fuel used by vented room heaters	Utilities
FFRPL	Fuel used by fireplace without inserts	Utilities
FFRPLI	Fuel used by fireplace with inserts	Utilities
FHOTH	Fuel used by other supplemental heating equipment	Utilities
FHPMP	Fuel used by electric heat pump	Utilities
FIREX	Unit has a fire extinguisher	Unit
FIXED	1st mortgage changes for taxes/insurance	Housing Cost
FIXED2	2nd mortgage changes for taxes/insurance	Housing Cost
FLIN	Heating equipment not vented to outside	Utilities

FLOODPLN	Unit in a flood plain	Unit
FLOORS	Number of stories in building	Unit
FLOT	Heating equipment vented to outside	Unit
FLRENT	Frequency of land/site rent payment	Housing Cost
FMHOTF	Frequency of other mobile home fee payments	Housing Cost
FMR	Fair market rent (average)	Income Limits
FMRA	Fair market rent (minimum)	Income Limits
FMRB	Fair market rent (maximum)	Income Limits
FOOD	Meals included in rent paid to household	Income
FPINS	Fireplace has inserts	Unit
FPLF	Fuel used by built-in pipeless furnace	Utilities
FPLWK	Unit has useable fireplace	Unit
FPORTH	Fuel used by portable electric heaters	Utilities
FREEZE	Unit cold for 24+ hrs was uncomfortable	Unit Quality
FRENT	Frequency of rent payment	Housing Cost
FRPL	Fireplace does not have inserts	Unit
FRPLI	Fireplace has inserts	Unit
FRSIT	First site mobile home ever placed on	Mobile Homes
FRSTHO	Ever owned home before	Household Composition
FRSTOC	Current occupants are first occupants	Unit
FSTEAM	Fuel used by steam/hot water system	Utilities
FSTOVE	Fuel used by woodburning/franklin stove	Utilities
GARAGE	Garage or carport included with unit	Unit
GASPI2	Source of gas heat for vacant units	Utilities
GASPIP	Gas from underground pipes or bottles	Utilities
GATED	Walls/fences surrounding community	Neighborhood
GPM	1st mortgage payments rise on fixed schedule part	Housing Cost
GPM2	2nd mortgage payments rise on fixed schedule part	Housing Cost
GPMW	1st mortgage payments rise on fixed schedule whole	Housing Cost
GPMW2	2nd mortgage payments rise on fixed schedule whole	Housing Cost
GRAD	Educational level of person	Household Composition
GRDMNT	Satisfaction with grounds maintenance	Unit Quality
GTCAS2	2nd mortgage refinanced to receive cash	Housing Cost
GTCASH	1st mortgage refinanced to receive cash	Housing Cost
HALB	Additional half bathrooms in unit	Unit
HALFB	Number of half bathrooms in unit	Unit
HEARHS	How first heard about this unit	Housing Cost
HEBAL1	Outstanding loan against 1st home equity loan	Housing Cost
HEBAL2	Outstanding loan against 2nd home equity loan	Housing Cost
HEBAL3	Outstanding loan against 3rd home equity loan	Housing Cost

HEBAM1	Outstanding balance on 1st home equity loan	Housing Cost
HEBAM2	Outstanding balance on 2nd home equity loan	Housing Cost
HEBAM3	Outstanding balance on 3rd home equity loan	Housing Cost
HECR1	Credit limit on 1st home equity loan	Housing Cost
HECR2	Credit limit on 2nd home equity loan	Housing Cost
HECR3	Credit limit on 3rd home equity loan	Housing Cost
HEINF1	Interest rate on 1st home equity loan - fraction	Housing Cost
HEINF2	Interest rate on 2nd home equity loan - fraction	Housing Cost
HEINF3	Interest rate on 3rd home equity loan - fraction	Housing Cost
HEINW1	Interest rate on 1st home equity loan - whole #	Housing Cost
HEINW2	Interest rate on 2nd home equity loan - whole #	Housing Cost
HEINW3	Interest rate on 3rd home equity loan - whole #	Housing Cost
HEL	Has a home equity loan	Housing Cost
HELC	Has a home equity line of credit	Housing Cost
HELCN	Number of home equity lines of credit	Housing Cost
HELMP1	1st home equity loan lump sum	Housing Cost
HELMP2	2nd home equity loan lump sum	Housing Cost
HELMP3	3rd home equity loan lump sum	Housing Cost
HELUMN	Number of lump sum home equity loans	Housing Cost
HELUMP	Has a lump sum home equity loan	Housing Cost
HENUM	Number of home equity loans	Housing Cost
HEPMT1	1st home equity loan monthly payment	Housing Cost
HEPMT2	2nd home equity loan monthly payment	Housing Cost
HEPMT3	3rd home equity loan monthly payment	Housing Cost
HEQUIP	Main heating equipment	Utilities
HERE	Nonrelative is present	Household Composition
HETYP1	1st home equity loan type	Housing Cost
HETYP2	2nd home equity loan type	Housing Cost
HETYP3	3rd home equity loan type	Housing Cost
HFUEL	Fuel used most for heating unit	Utilities
HHAGE	Age of householder	Household Composition
HHCITSHP	US Citizenship of householder	Household Composition
HHFOOD	Lodger contributes to household for food	Income
HHGRAD	Education level of householder	Household Composition
HHINUSYR	Year householder came to US	Household Composition
HHMAR	Marital status of householder	Household Composition
HHMORT	Lodger contributes to household for mortgage/rent	Income
HHMOVE	Year householder moved in	Recent Movers
HHMOVM	Month householder moved in	Recent Movers
HHMVG	Recent mover group of householder	Recent Movers

HHNATVTY	Country of birth of householder	Household Composition
HHOTH	Lodger contributes to household for other costs	Income
HHPLINE	Line number of householder	Household Composition
HHRACE	Race of householder	Household Composition
HHREL	Relationship of householder to household	Household Composition
HHSEX	Sex of householder	Household Composition
HHSPAN	Spanish origin of householder	Household Composition
HHSPOS	Line number of spouse of householder	Household Composition
HHTEN	Householder is owner/renter of unit	Household Composition
HHUTFU	Lodger contributes to household for utilities	Income
HHWLINEQ	Householder worked at all last week	Household Composition
HISTRY	Status of unit	Sample status, weights, interview status
HJOB	Reports to work at same place each day	Commuting
HOLES	Holes in floor	Unit Quality
HOTH	Other equipment used as supplemental heating equipment	Utilities
HOTPIP	Unit has hot & cold running water	Unit
HOWH	Rating of unit as a place to live	Unit Quality
HOWN	Rating of neighborhood as place to live	Neighborhood
HPMP	Heat pump used as supplemental heating equipment	Utilities
HUHIS	What happened to the old unit	Recent Movers
IFBLOW	Fuses blown or circuit breakers tripped	Unit Quality
IFCOLD	Main heating equipment broke down	Unit Quality
IFDRY	Unit completely without running water	Unit Quality
IFFEE	Condo/co-op/assoc/mobile home park fee required	Housing Cost
IFOTHF	Other mobile home fees required	Mobile Homes
IFSEW	Sewage system broke down	Unit Quality
IFTLT	Any toilet breakdowns in last 3 months	Unit Quality
ILEAK	Any inside water leaks in last 12 months	Unit Quality
IMAINT	Receive adequate maintenance	Unit Quality
IMPROV	Funds from 1st home equity loan used for additions/improvements	Housing Cost
IMPRV2	Funds from 2nd home equity loan used for additions/improvements	Housing Cost
INCP	Offstreet parking included	Unit
INCPER	1st mortgage refinanced to increase payment	Housing Cost
INCPR2	2nd mortgage refinanced to increase payment	Housing Cost
INCS	Pay separate rent for land	Housing Cost
INPMT2	2nd mortgage payment includes insurance	Housing Cost
INSPMT	1st mortgage payment includes insurance	Housing Cost
INTF	Interest rate of 1st mortgage - fraction	Housing Cost
INTF2	Interest rate of 2nd mortgage - fraction	Housing Cost
INTW	Interest rate of 1st mortgage - whole #	Housing Cost

INTW2	Interest rate of 2nd mortgage - whole #	Housing Cost
INUSYR	Year came to U.S.	Household Composition
INV20K	Total savings/investments over $25,000	Income
IPOV	Poverty level income	Income Limits
ISTATUS	Interview status	Sample status, weights, interview status
JAFUEL	Edit flag for AFUEL	Allocation Variables
JAGE	Edit flag for AGE	Allocation Variables
JAIR	Edit flag for AIR	Allocation Variables
JALMV	Edit flag for ALMV	Allocation Variables
JAMEDU	Edit flag for SAMEDU	Allocation Variables
JAMRTZ	Edit flag for AMRTZ	Allocation Variables
JAMTE	Edit flag for AMTE	Allocation Variables
JAMTF	Edit flag for AMTF	Allocation Variables
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JAMTI	Edit flag for AMTI	Allocation Variables
JAMTM	Edit flag for AMTM	Allocation Variables
JAMTM2	Edit flag for AMTM2	Allocation Variables
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JAMTW	Edit flag for AMTW	Allocation Variables
JANPMT	Edit flag for LANPMT	Allocation Variables
JANVAR	Edit flag for CANVAR	Allocation Variables
JANVR2	Edit flag for CANVR2	Allocation Variables
JAPPLY	Edit flag for APPLY	Allocation Variables
JARAGE	Edit flag for GARAGE	Allocation Variables
JARSYS	Edit flag for OARSYS	Allocation Variables
JASPI2	Edit flag for GASPI2	Allocation Variables
JASPIP	Edit flag for GASPIP	Allocation Variables
JATBUY	Edit flag for MATBUY	Allocation Variables
JATBY2	Edit flag for MATBY2	Allocation Variables
JATERS	Edit flag for WATERS	Allocation Variables
JATVTY	Edit flag for NATVTY	Allocation Variables
JAUNDY	Edit flag for LAUNDY	Allocation Variables
JBANK	Edit flag for BANK	Allocation Variables
JBANK2	Edit flag for BANK2	Allocation Variables
JBATHS	Edit flag for BATHS	Allocation Variables
JBEDX	Edit flag for BEDX	Allocation Variables
JBIGP	Edit flag for BIGP	Allocation Variables
JBILLE	Edit flag for BILLE	Allcoation Variables
JBILLF	Edit flag for BILLF	Allocation Variables

JBILLG	Edit flag for BILLG	Allocation Variables
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JBLON2	Edit flag for BLOON2	Allocation Variables
JBLOON	Edit flag for BLOON	Allocation Variables
JBSINK	Edit flag for BSINK	Allocation Variables
JBUILT	Edit flag for BUILT	Allocation Variables
JBUSIN	Edit flag for BUSIN	Allocation Variables
JBUYE	Edit flag for BUYE	Allocation Variables
JBUYE2	Edit flag for BUYE2	Allocation Variables
JBUYF	Edit flag for BUYF	Allocation Variables
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JBUYO2	Edit flag for BUYO2	Allocation Variables
JBUYT	Edit flag for BUYT	Allocation Variables
JBUYT2	Edit flag for BUYT2	Allocation Variables
JBUYW	Edit flag for BUYW	Allocation Variables
JBUYW2	Edit flag for BUYW2	Allocation Variables
JCARS	Edit flag for CARS	Allocation Variables
JCCESS	Edit flag for ACCESS	Allocation Variables
JCFUEL	Edit flag for CFUEL	Allocation Variables
JCLIMB	Edit flag for CLIMB	Allocation Variables
JCNTRL	Edit flag for RCNTRL	Allocation Variables
JCONDO	Edit flag for CONDO	Allocation Variables
JCOOK	Edit flag for COOK	Allocation Variables
JCPRIC	Edit flag for CPRICE	Allocation Variables
JDAFUR	Edit flag for DAFUR	Allocation Variables
JDATE	Edit flag for DATE	Allocation Variables
JDCOOK	Edit flag for DCOKST	Allocation Variables
JDELEC	Edit flag for DELEC	Allocation Variables
JDENS	Edit flag for DENS	Allocation Variables
JDFLIN	Edit flag for DFLIN	Allocation Variables
JDFLOT	Edit flag for DFLOT	Allocation Variables
JDFPLI	Edit flag for DFRPLI	Allocation Variables
JDFRPL	Edit flag for DFRPL	Allocation Variables
JDFUEL	Edit flag for DFUEL	Allocation Variables

JDHOTH	Edit flag for DHOTH	Allocation Variables
JDHPMP	Edit flag for DHPMP	Allocation Variables
JDIRAC	Edit flag for ODIRAC	Allocation Variables
JDISH	Edit flag for DISH	Allocation Variables
JDISPL	Edit flag for DISPL	Allocation Variables
JDISTJ	Edit flag for DISTJ	Allocation Variables
JDPLF	Edit flag for DPLF	Allocation Variables
JDPORH	Edit flag for DFORTH	Allocation Variables
JDRY	Edit flag for DRY	Allocation Variables
JDSTEA	Edit flag for DSTEAM	Allocation Variables
JDSTOV	Edit flag for DSTOVE	Allocation Variables
JEDRMS	Edit flag for BEDRMS	Allocation Variables
JEELAM	Edit flag for PEELAM	Allocation Variables
JEGMOR	Edit flag for REGMOR	Allocation Variables
JELDUS	Edit flag for WELDUS	Allocation Variables
JELEV	Edit flag for ELEV	Allocation Variables
JELLAR	Edit flag for CELLAR	Allocation Variables
JELUMN	Edit flag for HELUMN	Allocation Variables
JELUMP	Edit flag for HELUMP	Allocation Variables
JENURE	Edit flag for TENURE	Allocation Variables
JEQUIP	Edit flag for HEQUIP	Allocation Variables
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JFCOOK	Edit flag for FCOKST	Allocation Variables
JFELEC	Edit flag for FELECT	Allocation Variables
JFFLIN	Edit flag for FFLIN	Allocation Variables
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JFFRPL	Edit flag for FFRPL	Allocation Variables

JFHOTH	Edit flag for FHOTH	Allocation Variables
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JFPLWK	Edit flag for FPLWK	Allocation Variables
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JIFSEW	Edit flag for IFSEW	Allocation Variables

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JINCO2	Edit flag for PINCO2	Allocation Variables
JINCOP	Edit flag for PINCOP	Allocation Variables
JINCS	Edit flag for INCS	Allocation Variables
JINING	Edit flag for DINING	Allocation Variables
JINTF	Edit flag for INTF	Allocation Variables
JINTF2	Edit flag for INTF2	Allocation Variables
JINTW	Edit flag for INTW	Allocation Variables

JINTW2	Edit flag for INTW2	Allocation Variables
JIRSYS	Edit flag for AIRSYS	Allocation Variables
JITSHP	Edit flag for CITSHP	Allocation Variables
JIVING	Edit flag for LIVING	Allocation Variables
JKITCH	Edit flag for KITCH	Allocation Variables
JLEAK	Edit flag for LEAK	Allocation Variables
JLINE1	Edit flag for DLINE1	Allocation Variables
JLOORS	Edit flag for FLOORS	Allocation Variables
JLOT	Edit flag for LOT	Allocation Variables
JLPRIC	Edit flag for LPRICE	Allocation Variables
JLRENT	Edit flag for LRENT	Allocation Variables
JLT25K	Edit flag for LT25K	Allocation Variables
JM3ROD	Edit flag for M3ROD	Allocation Variables
JMAMT2	Edit Flag for PMAMT2	Allocation Variables
JMAR	Edit flag for MAR	Allocation Variables
JMARKT	Edit flag for MARKT	Allocation Variables
JMCHEP	Edit flag for WMCHEP	Allocation Variables
JMCHTN	Edit flag for WMCHTN	Allocation Variables
JMCLOS	Edit flag for WMCLOS	Allocation Variables
JMCNDO	Edit flag for WMCNDO	Allocation Variables
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JMFEMP	Edit flag for WMFEMP	Allocation Variables
JMG	Edit flag for MG	Allocation Variables
JMGOVP	Edit flag for WMGOVP	Allocation Variables
JMGOVT	Edit flag for WMGOVT	Allocation Variables
JMHOUS	Edit flag for WMHOUS	Allocation Variables
JMIAMT	Edit flag for PMIAMT	Allocation Variables
JMICE	Edit flag for MICE	Allocation Variables
JMIPMT	Edit flag for PMIPMT	Allocation Variables
JMJOBS	Edit flag for WMJOBS	Allocation Variables
JMLARG	Edit flag for WMLARG	Allocation Variables
JMMARR	Edit flag for WMMARR	Allocation Variables
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JMMRT3	Edit flag for AMMRT3	Allocation Variables
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JMONHH	Edit flag for WMONHH	Allocation Variables
JMOTHR	Edit flag for WMOTHR	Allocation Variables
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JMOWNR	Edit flag for WMOWNR	Allocation Variables
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JMQUAL	Edit flag for WMQUAL	Allocation Variables
JMRTZ2	Edit flag for AMRTZ2	Allocation Variables
JMVG	Edit flag for MVG	Allocation Variables
JNFEEQ	Edit flag for CONFEEQ	Allocation Variables
JNHOME	Edit flag for WNHOME	Allocation Variables
JNITSF	Edit flag for UNITSF	Allocation Variables
JNLOOK	Edit flag for WNLOOK	Allocation Variables
JNOOTH	Edit flag for NOOTHRM	Allocation Variables
JNOTHR	Edit flag for WNOTHR	Allocation Variables
JNPEPL	Edit flag for WNPEPL	Allocation Variables
JNTRAN	Edit flag for WNTRAN	Allocation Variables
JNUSYR	Edit flag for INUSYR	Allocation Variables
JNYCAR	Edit flag for ANYCAR	Allocation Variables
JNYRUG	Edit flag for ANYRUG	Allocation Variables
JOAFUE	Edit flag for OAFUEL	Allocation Variables
JOILET	Edit flag for TOILET	Allocation Variables
JOOMSA	Edit flag for ROOMSA	Allocation Variables
JOPERM	Edit flag for MOPERM	Allocation Variables
JORTIN	Edit flag for MORTINS	Allocation Variables
JORTN2	Edit flag for MORTN2	Allocation Variables
JOTHFN	Edit flag for OTHFN	Allocation Variables
JOTPIP	Edit flag for HOTPIP	Allocation Variables
JOTSUR	Edit flag for NOTSUR	Allocation Variables
JOVEN	Edit flag for OVEN	Allocation Variables
JOVGRP	Edit flag for MOVGRP	Allocation Variables
JOWIRE	Edit flag for NOWIRE	Allocation Variables
JPAR	Edit flag for PAR	Allocation Variables
JPASS	Edit flag for PASS	Allocation Variables
JPLUGS	Edit flag for PLUGS	Allocation Variables
JPMOVM	Edit flag for PMOVM	Allocation Variables

JPMT	Edit flag for PMT	Allocation Variables
JPMT2	Edit flag for PMT2	Allocation Variables
JPMT3	Edit flag for PMT3	Allocation Variables
JPMT4	Edit flag for PMT4	Allocation Variables
JPMVYR	Edit flag for PMOVYR	Allocation Variables
JPORCH	Edit flag for PORCH	Allocation Variables
JPQALIM	Edit flag for PQALIM	Allocation Variables
JPQDIV	Edit flag for PQDIC	Allocation Variables
JPQIDRI	Edit flag for PQIDRI	Allocation Variables
JPQINT	Edit flag for PQINT	Allocation Variables
JPQOTALM	Edit flag for PQOTALM	Allocation Variables
JPQOTHER	Edit flag for PQOTHER	Allocation Variables
JPQOTHNR	Edit flag for PQOTHNR	Allocation Variables
JPQRENT	Edit flag for PQRENT	Allocation Variables
JPQRETIR	Edit flag for PQRETIR	Allocation Variables
JPQSAL	Edit flag for PQSAL	Allocation Variables
JPQSALNR	Edit flag for PQSALNR	Allocation Variables
JPQSELF	Edit flag for PQSELF	Allocation Variables
JPQSELFN	Edit flag for PQSELFN	Allocation Variables
JPQSLFNR	Edit flag for PQSELFNR	Allocation Variables
JPQSS	Edit flag for PQSS	Allocation Variables
JPQSSI	Edit flag for PQSSI	Allocation Variables
JPQWELF	Edit flag for PQWELF	Allocation Variables
JPQWKCMP	Edit flag for PQWKCMP	Allocation Variables
JPRENT	Edit flag for PRENT	Allocation Variables
JPROJ	Edit flag for PROJ	Allocation Variables
JPVALU	Edit flag for PVALUE	Allocation Variables
JPVOTHER	Edit flag for PVOTHER	Allocation Variables
JQALIM	Edit flag for QALIM	Allocation Variables
JQBUS	Edit flag for QBUS	Allocation Variables
JQDIV	Edit flag for QDIV	Allocation Variables
JQIDRI	Edit flag for QIDRI	Allocation Variables
JQINT	Edit flag for QINT	Allocation Variables
JQOTALM	Edit flag for QOTALM	Allocation Variables
JQOTHER	Edit flag for QOTHER	Allocation Variables
JQRENT	Edit flag for QRENT	Allocation Variables
JQRETIR	Edit flag for QRETIR	Allocation Variables
JQSELF	Edit flag for QSELF	Allocation Variables
JQSS	Edit flag for QSS	Allocation Variables
JQSSI	Edit flag for QSSI	Allocation Variables

JQWELF	Edit flag for QWELF	Allocation Variables
JQWKCMP	Edit flag for QWKCMP	Allocation Variables
JRACE	Edit flag for RACE	Allocation Variables
JRACKS	Edit flag for CRACKS	Allocation Variables
JRAS	Edit flag for RAS	Allocation Variables
JRATS	Edit flag for RATS	Allocation Variables
JRECRM	Edit flag for RECRM	Allocation Variables
JREEZE	Edit flag for FREEZE	Allocation Variables
JREFI	Edit flag for REFI	Allocation Variables
JREFI2	Edit flag for REFI2	Allocation Variables
JREFR	Edit flag for REFR	Allocation Variables
JREL	Edit flag for REL	Allocation Variables
JRENEW	Edit flag for RENEW	Allocation Variables
JRENT	Edit flag for RENT	Allocation Variables
JREUAD	Edit flag for REUAD	Allocation Variables
JRMOR2	Edit flag for YRMOR2	Allocation Variables
JROPSL	Edit flag for CROPSL	Allocation Variables
JRSHOP	Edit flag for DRSHOP	Allocation Variables
JRSTHO	Edit flag for FRSTHO	Allocation Variables
JRSTOC	Edit flag for FRSTOC	Allocation Variables
JRTYP1	Edit flag for MRTYP1	Allocation Variables
JRTYP2	Edit flag for MRTYP2	Allocation Variables
JRUCKS	Edit flag for TRUCKS	Allocation Variables
JSAL	Edit flag for SAL	Allocation Variables
JSEGAS	Edit flag for USEGAS	Allocation Variables
JSEX	Edit flag for SEX	Allocation Variables
JSFCHG	Edit flag for USFCHG	Allocation Variables
JSFLIN	Edit flag for SFLIN	Allocation Variables
JSINK	Edit flag for SINK	Allocation Variables
JSPAN	Edit flag for SPAN	Allocation Variables
JSPORH	Edit flag for SPORTH	Allocation Variables
JSPOS	Edit flag for SPOS	Allocation Variables
JSTORG	Edit flag for STORG	Allocation Variables
JTBSUN	Edit flag for ATBSUN	Allocation Variables
JTERM	Edit flag for TERM	Allocation Variables
JTERM2	Edit flag for TERM2	Allocation Variables
JTHPMT	Edit flag for OTHPMT	Allocation Variables
JTHRUN	Edit flag for OTHRUN	Allocation Variables
JTIMEJ	Edit flag for TIMEJ	Allocation Variables
JTPARK	Edit flag for TPARK	Allocation Variables

JTPMT2	Edit flag for OTPMT2	Allocation Variables
JTRAN	Edit flag for TRAN	Allocation Variables
JTRASH	Edit flag for TRASH	Allocation Variables
JTUB	Edit flag for TUB	Allocation Variables
JTXRE	Edit flag for TXRE	Allocation Variables
JTYPE	Edit flag for TYPE	Allocation Variables
JUBMOR	Edit flag for SUBMOR	Allocation Variables
JUBMR2	Edit flag for SUBMR2	Allocation Variables
JUBRNT	Edit flag for SUBRNT	Allocation Variables
JUBSEW	Edit flag for PUBSEW	Allocation Variables
JUMAIR	Edit flag for NUMAIR	Allocation Variables
JUMSEW	Edit flag for NUMSEW	Allocation Variables
JUNIT2	Edit flag for NUNIT2	Allocation Variables
JUNITS	Edit flag for NUNITS	Allocation Variables
JURNER	Edit flag for BURNER	Allocation Variables
JUSELECT	Edit flag for USELECT	Allocation Variables
JUSEOIL	Edit flag for USEOIL	Allocation Variables
JUSEOTHR	Edit Flag for USEOTHR	Allocation Variables
JUSPER	Edit flag for BUSPER	Allocation Variables
JVACAN	Edit flag for VACANCY	Allocation Variables
JVALU	Edit flag for VALUE	Allocation Variables
JVARY	Edit flag for VARY	Allocation Variables
JVARY2	Edit flag for VARY2	Allocation Variables
JVCNT1	Edit flag for MVCNT1	Allocation Variables
JVCNT2	Edit flag for MVCNT2	Allocation Variables
JVCNT3	Edit flag for MVCNT3	Allocation Variables
JVEHCL	Edit flag for VEHCL	Allocation Variables
JVOTHER	Edit flag for VOTHER	Allocation Variables
JVOTHER2	Edit flag for VOTHER2	Allocation Variables
JWALLX	Edit flag for WALLX	Allocation Variables
JWASH	Edit flag for WASH	Allocation Variables
JWATER	Edit flag for WATER	Allocation Variables
JWFUEL	Edit flag for WFUEL	Allocation Variables
JWHAVL	Edit flag for WHAVL	Allocation Variables
JWHDSN	Edit flag for WHDSN	Allocation Variables
JWHDY	Edit flag for WHDY	Allocation Variables
JWHEXT	Edit flag for WHEXT	Allocation Variables
JWHFIN	Edit flag for WHFIN	Allocation Variables
JWHHRB	Edit flag for WHHRB	Allocation Variables
JWHHRW	Edit flag for WHHRW	Allocation Variables

JWHKIT	Edit flag for WHKIT	Allocation Variables
JWHOTH	Edit flag for WHOTH	Allocation Variables
JWHQUL	Edit flag for WHQUL	Allocation Variables
JWHSIZ	Edit flag for WHSIZ	Allocation Variables
JWHYRD	Edit flag for WHYRD	Allocation Variables
JWKCMP	Edit flag for QWKCMP	Allocation Variables
JWNFUN	Edit flag for WNFUN	Allocation Variables
JWNHER	Edit flag for OWNHERE	Allocation Variables
JWNJOB	Edit flag for WNJOB	Allocation Variables
JWNLOT	Edit flag for OWNLOT	Allocation Variables
JWNSCH	Edit flag for WNSCH	Allocation Variables
JWNSRV	Edit flag for WNSRV	Allocation Variables
JWTIME	Edit flag for WTIME	Allocation Variables
JXCLUS	Edit flag for EXCLUS	Allocation Variables
JXHEAD	Edit flag for XHEAD	Allocation Variables
JXPER	Edit flag for XPER	Allocation Variables
JXTEN	Edit flag for XTEN	Allocation Variables
JXUNIT	Edit flag for XUNIT	Allocation Variables
JYRMOR	Edit flag for YRMOR	Allocation Variables
KEXCLU	Kitchen facilities for household use only	Unit
KITCH	Number of kitchens in unit	Unit
KITCHEN	Complete kitchen facilities in unit	Unit
L30	Extremely low income limit (average)	Income Limits
L30A	Extremely low income limit (minimum)	Income Limits
L30B	Extremely low income limit (maximum)	Income Limits
L50	Very low income limit (average)	Income Limits
L50A	Very low income limit (minimum)	Income Limits
L50B	Very low income limit (maximum)	Income Limits
L80	Low income limit (average)	Income Limits
L80A	Low income limit (minimum)	Income Limits
L80B	Low income limit (maximum)	Income Limits
LANDC	Land contract for mortgage	Housing Cost
LANPMT	Land rent included with mortgage payment	Housing Cost
LAT70S	Year unit built in late 1970s	Unit
LAUNDY	Number of laundry/utility rooms in unit	Unit
LDMAYB	Seller/agent said lead paint possible	Lead Based Paint
LDTEST	Unit tested for lead paint	Lead Based Paint
LEAK	Any outside water leaks in last 12 months	Unit Quality
LISCH	Any changes to apartment in last 2 years	Recent Movers
LITTER	Litter in neighborhood bothersome	Neighborhood

LIVEAT	Everyone in household lives or eats together	Household Composition
LIVING	Number of living rooms in unit	Unit
LMED	Average median income (average)	Income Limits
LMEDA	Average median income (minimum)	Income Limits
LMEDB	Average median income (maximum)	Income Limits
LODRNT	Amount lodger pays to household	Income
LODSTA	Lodger pays fixed amount to household	Income
LONGIT	Characteristics of household in 70/80/90	Household Composition
LOOKHS	Looked at both houses/mobile home & apartments	Housing Cost
LOOKNS	Looked at other neighborhoods	Housing Cost
LOON	% of 1st mortgage due in last payment	Housing Cost
LOON2	% of 2nd mortgage due in last payment	Housing Cost
LOT	Square footage of lot	Unit
LOWIN2	2nd mortgage refinanced to get lower interest	Housing Cost
LOWINT	1st mortgage refinanced to get lower interest	Housing Cost
LPRICE	Purchase price of unit and land	Housing Cost
LRENT	Land/site rent	Housing Cost
LT25K	Income in last 12 months over $25,000	Income
LTSOK	Hallway lights working	Unit Quality
LTSOK1	Hallway lights working	Unit Quality
LTSOK2	All hallway lights working	Unit Quality
LVALUE	Current value of land	Housing Cost
LVCARP	Wall-to-wall carpeting in living room	Unit
M3ROD	Rodents seen in unit recently	Unit Quality
MAJR1	Starts major maintenance/repairs soon enough	Unit Quality
MAJR2	Solves major problems quickly	Unit Quality
MAJR3	Polite/considerate of home (major repairs)	Unit Quality
MAR	Marital status of person	Household Composition
MARKET	Unit for rent only, sale only, or either	Sample status, weights, interview status
MARKT	Unit currently for rent or sale	Sample status, weights, interview status
MATBUY	Got 1st mortgage in same year bought unit	Housing Cost
MATBY2	Got 2nd mortgage in same year bought unit	Housing Cost
MCNT	Number of regular mortgages	Housing Cost
MCOM	1st mortgage covers business on property	Housing Cost
MCOM2	2nd mortgage covers business on property	Housing Cost
METRO	Central city / suburban status	Geography
METRO3	Central city / suburban status	Geography
MFARM	1st mortgage covers farm land	Housing Cost
MFARM2	2nd mortgage covers farm land	Housing Cost
MG	Any mortgages on this property	Housing Cost

MH32	Mobile home on property used for living quarters	Housing Cost
MH41	Model year of 1st mobile home used for living quarters	Mobile Homes
MH42	Model year of 2nd mobile home used for living quarters	Mobile Homes
MH43	Model year of 3rd mobile home used for living quarters	Mobile Homes
MH44	Model year of 4th mobile home used for living quarters	Mobile Homes
MH45	Model year of 5th mobile home used for living quarters	Mobile Homes
MHGONE	Old mobile home gone	Mobile Homes
MHOTFE	Amount of other required mobile home fees	Housing Cost
MHSETQ	Type of mobile home foundation	Mobile Homes
MHSTAY	Mobile home to stay or be moved	Mobile Homes
MICE	Mice seen in unit recently	Unit Quality
MINR1	Starts minor maintenance/repairs soon enough	Unit Quality
MINR2	Solves minor problems quickly	Unit Quality
MINR3	Polite/considerate of home (minimum repairs)	Unit Quality
MOBILTYP	Manufactured/mobile home type	Unit
MONOX	Unit has carbon monoxide detector	Unit
MOPERM	# months since occupied as permanent home	Unit
MORTIN	Type of 1st mortgage	Housing Cost
MORTN2	Type of 2nd mortgage	Housing Cost
MOVAC	# months unit has been vacant	Sample status, weights, interview status
MOVE	Year person moved in	Recent Movers
MOVGRP	Recent mover group	Recent Movers
MOVM	Month person moved in	Recent Movers
MRTYP1	Type of 1st mortgage	Housing Cost
MRTYP2	Type of 2nd mortgage	Housing Cost
MUSTEL	Knew you must be told about lead paint	Lead Based Paint
MVCNT1	Number of people in mover group #1	Recent Movers
MVCNT2	Number of people in mover group #2	Recent Movers
MVCNT3	Number of people in mover group #3	Recent Movers
MVG	Recent mover group	Recent Movers
NATVTY	Country of birth	Household Composition
NEWMOR	1st mortgage new or assumed	Housing Cost
NEWMR2	2nd mortgage new or assumed	Housing Cost
NEWTRN	Neighborhood Public transportation satisfactory	Neighborhood
NLBSY	Stopped looking at homes - too busy	Recent Movers
NLEAK1	Inside water leak from some other source	Unit Quality
NLEAK2	Source of inside water leak unknown	Unit Quality
NLHPPY	Stopped looking - happy with this unit	Recent Movers
NLMOBL	Stopped looking - had trouble traveling	Recent Movers
NLMOV	Stopped looking - had to move quickly	Recent Movers

NLNLIK	Stopped looking - don't like looking	Recent Movers
NLNPR	Stopped looking for no particular reason	Recent Movers
NLOTHR	Stopped looking for some other reason	Recent Movers
NLUNK	Stopped looking - didn't know of others	Recent Movers
NOINT	Noninterview reason	Sample status, weights, interview status
NOISE	Noise in neighborhood is bothersome	Neighborhood
NOISN1	Hear neighbors through floor/walls/ceiling	Neighborhood
NOISN2	Loudness of neighbor's noise bothersome	Neighborhood
NOISN3	Timing of neighbor's noise bothersome	Neighborhood
NONE	No supplemental heating equipment	Utilities
NOOTHRM	No other rooms in unit	Unit
NOPROB	Nothing bothersome in neighborhood	Neighborhood
NORC	Majority of neighbors 55+	Neighborhood
NOSTEP	Entrance accessible w/o steps or stairs	Household Composition
NOTSUR	Not sure if rodents were rats or mice	Unit Quality
NOWIRE	Electrical wiring concealed by walls/wiring	Unit Quality
NPROBS	Anything bothersome in neighborhood	Neighborhood
NROWNR	Ownership shared w/ person not living here	Household Composition
NRPAYM	Person not living here help pay mortgage/util	Household Composition
NUMAIR	Number of room air conditioners	Unit
NUMBLOW	# times fuses blown or breakers tripped	Unit Quality
NUMCOLD	# times main heating equipment broke down	Unit Quality
NUMDRY	# times completely without running water	Unit Quality
NUMHS	# homes looked at before choosing this one	Recent Movers
NUMMOR	Number of mortgages including home equity loans	Housing Cost
NUMSEW	Number of sewage system breakdowns	Unit Quality
NUMTLT	Number of toilet breakdowns 6 hours or more	Unit Quality
NUNIT2	Are these living quarters in a	Unit
NUNITS	Number of units in building	Unit
OAFUEL	Fuel used by other central a/c unit	Utilities
OARSYS	Unit has another central a/c system	Unit
OBEDRM	Number of offices used for bedroom	Unit
ODIN	Number of offices used as dining room	Unit
ODIRAC	Number of offices having direct access	Unit
ODOR	Neighborhood has bad smells	Neighborhood
ODORA	Neighborhood has bad smells	Neighborhood
ODORB	Neighborhood smells are bothersome	Neighborhood
ODORC	Smells are so bad you want to move	Neighborhood
OKITCH	Number of offices used for kitchen	Unit
OLIVIN	Number of offices used for living room	Unit

OMAINT	Buildings & grounds maintained properly	Unit Quality
OOTHRM	Number of offices used for other room	Unit
OTBUP	Other building on property used as living quarters	Unit
OTHCLD	Unit cold for some other reason	Unit Quality
OTHEST	Anyone home who can estimate nonrelative income	Income
OTHFN	Number of other finished rooms in unit	Unit
OTHLQ	Other living qrtrs on property	Unit
OTHLQ1	Other apartments in building	Unit
OTHLQ2	Other apartments in building	Unit
OTHNHD	Other problems bothersome in neighborhood	Neighborhood
OTHPMT	Other charges including in 1st mortgage payment	Housing Cost
OTHREF	1st mortgage refinanced for other reason	Housing Cost
OTHRUN	Number of other unfinished rooms in unit	Unit
OTLEAK	Water leak from other outside source	Unit Quality
OTPMT2	Other charges including in 2nd mortgage payment	Housing Cost
OTREF2	2nd mortgage refinanced for other reason	Housing Cost
OUTPEL	Outside paint peeling or flaking	Lead Based Paint
OUTPNT	Any part of outside of unit painted	Lead Based Paint
OVEN	Unit has a working microwave oven	Unit
OWNHERE	Owner/resident manager lives on-site	Unit
OWNLOT	Household owns the land	Unit
PAFUR	Forced air furnace is parallel supplemental equipment	Utilities
PAPHLT	Received pamphlet about lead paint	Lead Based Paint
PAR	Line number of parent of person	Household Composition
PASS	Number of passengers in carpool	Commuting
PCOKST	Cookstove is parallel supplemental heating equipment	Utilities
PEELAM	Number of other rooms with peeling paint	Lead Based Paint
PEELSZ	Size of area of peeling/flaking paint	Lead Based Paint
PELECT	Built-in electric unit is parallel equipment	Utilities
PER	Number of persons in household	Household Composition
PERSERV	Management provides personal care assistance	Unit
PERSINT	Personal/telephone interview	Household Composition
PERSON	Line number of person	Household Composition
PERSON	Line number of person	Household Composition
PERUS1	Percentage of 1st mortgage loan used for additions/improvements	Housing Cost
PERUS2	Percentage of 2nd mortgage loan used for additions/improvements	Housing Cost
PFLOT	Vented room heater is parallel supplemental equipment	Utilities
PFRPL	Fireplace without inserts is parallel equipment	Utilities
PFRPLI	Fireplace w/ inserts is parallel equipment	Utilities
PHONE	Telephone available for use	Unit

PHOTH	Some other type is parallel supplemental equipment	Utilities
PHPMP	Heat pump is parallel supplemental equipment	Utilities
PILEAK	Inside water leak from leaking pipes	Unit Quality
PINCO2	2nd mortgage covers other units	Housing Cost
PINCOP	1st mortgage covers other units	Housing Cost
PLEAK	Inside water leak from plumbing fixtures	Unit Quality
PLF	Pipeless furnace used as supplemental heating equipment	Utilities
PLINE	Line number of person	Household Composition
PLUGS	Every room has working electrical plug	Unit
PLUMB	Complete plumbing facilities in unit	Unit Quality
PMAMT2	Amount of mortgage insurance included in 2nd mortgage	Housing Cost
PMIAMT	Amount of mortgage insurance included in 1st mortgage	Housing Cost
PMIPMT	1st mortgage payments include private mortgage insurance	Housing Cost
PMOVM	Month of previous move before this one	Recent Movers
PMOVYR	Year of previous move before this one	Recent Movers
PMPMT2	2nd mortgage payments include private mortgage insurance	Housing Cost
PMSA	1990 design PMSA code	Geography
PMT	Monthly payment for 1st mortgage	Housing Cost
PMT2	Monthly payment for 2nd mortgage	Housing Cost
PMT3	Monthly payment for 3rd mortgage	Housing Cost
PMT4	Monthly payment for all other mortgages	Housing Cost
POOR	Household income as percent of poverty line	Housing Cost
PORCH	Unit has porch/deck/balcony/patio	Unit
PORTH	Portable heaters used as supplemental heating equipment	Utilities
PPLF	Pipeless furnace is parallel supplemental equipment	Utilities
PQALIM	Person has alimony or child support income	Income
PQDIV	Person has dividends	Income
PQIDRI	Received interest, dividends, royalty income	Income
PQINT	Person has interest income	Income
PQOTALM	Received VA/unemployment/child support/alimony/other income	Income
PQOTHER	Person has unempl/workers comp/VA/other pay	Income
PQOTHNR	Other income received by nonrelative	Income
PQRENT	Person has rental income	Income
PQRETIR	Received retirement or survivor pension	Income
PQSAL	Wages/salary received by reference person/relative	Income
PQSALNR	Salary received by nonrelative	Income
PQSELF	Received self-employment income	Income
PQSELFNR	Received self-employment income by nonrelative	Income
PQSS	Received Social Security or Railroad Retirement pension	Income
PQSSI	Received Supplemental Security Income	Income

PQWELF	Received AFDC, TANF or other public assistance or welfare program payments	Income
PQWKCMP	Received SSDI, work. comp., vet. or other disability payments	Income
PRENT	Amount of rent actually paid	Housing Cost
PREOCC	Received unit as gift or purchased it	Household Composition
PROJ	Building owned by public housing authority	Housing Cost
PSTEAM	Steam/hot water system is parallel equipment	Utilities
PSTOVE	Woodburning stove is parallel supplemental equipment	Utilities
PSUDOTCT	Census tract for 1970, 1980 or 1990 containing case	Geography
PUBSEW	Unit connected to public sewer	Unit
PVALUE	Current value of unit	Housing Cost
PVOTHER	Sum of a person's other income	Income
PWT	Pure weight - inverse of prob of selection	Sample status, weights, interview status
QALIM	Received alimony or child support	Income
QBINV	Household has farm or business investments	Income
QBUS	Received income from business/farm/ranch	Income
QDIV	Received dividends from stock	Income
QFS1	Received food stamps in last 12 months	Income
QIDRI	Received interest/rental/royalty/estate income	Income
QINT	Received interest from savings, cd, etc	Income
QMEN	Any income not already mentioned	Income
QOINV	Household has other investments	Income
QOTALM	Received VA/unemploy/child support/alimony/other income	Income
QOTHER	Received unemployment/vet payments/other inc	Income
QRENT	Received rental income	Income
QRETIR	Received retirement or survivor pension	Income
QSAVNG	Household has savings	Income
QSELF	Received self-employment income	Income
QSS	Received social security or pension	Income
QSSI	Received supplemental security income	Income
QWELF	Received AFDC, TANF or other public assistance or welfare program payments	Income
QWKCMP	Received workers company or other disability	Income
RAC	Cost of replacements/additions to unit	Upgrade and Remodeling
RACE	Race of person	Household Composition
RAD	Cost of alteration/repair	Upgrade and Remodeling
RAH	Household member performed alteration/repair	Upgrade and Remodeling
RAILOK	Railings on common stairs firmly attached	Unit Quality
RAILOK1	Railings on stairs firmly attached	Unit Quality
RAILOK2	All stair railings firmly attached	Unit Quality
RAM	Has reserve annuity or home equity conversion mortgage	Housing Cost
RAMAP	Applied for reverse annuity mortgage	Housing Cost

RAMORT	Heard of reverse annuity mortgage	Housing Cost
RAN	Number of replacements/additions made to unit	Upgrade and Remodeling
RAS	Type of alteration/repair - 1999 version	Upgrade and Remodeling
RATS	Rats seen in unit recently	Unit Quality
RAW	Alteration/repair is addition/replacement	Upgrade and Remodeling
RAY	Year alteration/repair completed	Upgrade and Remodeling
RCARP	Receive help w/ transportation expenses	Income
RCLOT	Receive help with clothing expenses	Income
RCNTRL	Rent limited by rent control/stabilization	Housing Cost
RCOST	Receive help with rent payments	Income
RECRM	Number of recreation rooms in unit	Unit
REDMO2	Refinanced to reduce monthly payment of 2nd loan	Housing Cost
REDMON	Refinanced to reduce monthly payment	Housing Cost
REDPA2	Reason for refinancing reduced payment of 2nd	Housing Cost
REDPAY	Reason for refinancing reduced payment of 1st	Housing Cost
REFI	Mortgage a refinancing of previous mortgage	Housing Cost
REFI2	2nd mortgage a refinancing of 1st mortgage	Housing Cost
REFR	Unit has a working refrigerator	Unit
REGION	Census region	Geography
REGMOR	Number of regular mortgages on unit	Housing Cost
REL	Relationship of person to reference person	Household Composition
REMP	Employed by household	Household Composition
RENEW	Income info required for lease renewal	Housing Cost
RENT	Amount reported for payment period in FRENT	Housing Cost
REPHA	Report income to public housing authority	Income
RESMOR	Amount of 1st mortgage applies only to unit	Housing Cost
RESMR2	Amount of 2nd mortgage applies only to unit	Housing Cost
RESPTYP	Type of respondent	Household Composition
REUAD	Reason unit got added to sample	Sample status, weights, interview status
RGROC	Receive help with grocery bills	Income
RKIDC	Receive help with child care payments	Income
RLEAK	Water leak in roof	Unit Quality
RMEDI	Receive help with medical bills	Income
RMOV	Mover group number	Recent Movers
RNTADJ	Rent adjusted because relationship w/ owner	Housing Cost
RNTDUE	Frequency of lodger's rent payment to household	Income
ROOMS	Number of rooms in unit	Unit
ROOMSA	Rooms used for both business & other	Unit
ROOMSB	Number of rooms used for both business & other	Unit
ROTHE	Received other assistance making ends meet	Income

RUTIL	Receive help with utility bills	Income
S150MV	Vacant/URE unit <= 150 miles of owners res.	Sample status, weights, interview status
SAFUR	Forced air furnace is supplemental heating equipment	Utilities
SAL	Wage & salary income of person	Income
SAMEDU	Same HU as last enumeration	Sample status, weights, interview status
SAMEHH	Same household members live in unit	Household Composition
SAMEHH2	Same household members live in unit (recode)	Household Composition
SATPOL	Neighborhood police protection satisfactory	Neighborhood
SCH	Neighborhood public Elementary school satisfactory	Neighborhood
SCHCLS	Neighborhood public Elementary school within 1 mile	Neighborhood
SCHHO	Children in household schooled at home	Household Composition
SCHM	Public Elementary school so bad you want to move	Neighborhood
SCHNO	Nobody in household attends school	Household Composition
SCHOTH	Someone in household attends other type of school	Household Composition
SCHPRI	Someone in household attends private school	Household Composition
SCHPUB	Someone in household attends public school	Household Composition
SCOAL	Supplemental heating equipment uses coal/coke	Utilities
SCOKST	Cookstove is supplemental heating equipment	Utilities
SELECT	Built-in electric units are supplemental heat equipment	Utilities
SELL	Borrowed 1st mortgage from former owner	Housing Cost
SELL2	Borrowed 2nd mortgage from former owner	Housing Cost
SEWDIS	Type of sewage disposal	Unit
SEWDUS	Number of units connected to sewage system	Unit
SEX	Sex of person	Household Composition
SFLIN	Unvented room heaters are supplemental heat equipment	Utilities
SFLOT	Vented room heaters are supplemental heat equipment	Utilities
SFRPL	Fireplace without inserts is supplemental equipment	Utilities
SFRPLI	Fireplace w/ inserts is supplemental heat equipment	Utilities
SGAS	Supplemental heating equipment uses gas	Utilities
SHARAT	Unit shares attic or basement	Unit
SHARFR	Unit shares furnace or boiler	Unit
SHARPF	Unit shares plumbing facilities	Neighborhood
SHOTH	Some other type is supplemental heating equipment	Utilities
SHP	Neighborhood shopping satisfactory	Neighborhood
SHPCLS	Neighborhood stores within 1 mile	Neighborhood
SHPMP	Heat pump is supplemental heating equipment	Utilities
SINHV	Inherited this vacant/URE unit	Unit
SINK	Unit has kitchen sink	Unit
SINVV	Own vacant/URE unit as an investment	Unit
SJUICE	Supplemental heating equipment uses electricity	Utilities

SKERO	Supplemental heating equipment uses kerosene	Utilities
SMOKE	Smoke detector	Unit
SMPEEL	Peeling paint more/less than 1/2 door	Lead Based Paint
SMOKPWR	Smoke detector power source	Unit
SMSA	1980 design PMSA code	Geography
SNDPNT	Old paint sanded or scraped	Lead Based Paint
SNITEV	Number of nights owner spends at vacant/URE unit	Household Composition
SOIL	Supplemental heating equipment uses fuel oil	Utilities
SOTHER	Supplemental heating equipment uses other fuel	Utilities
SOTHV	Own vacant/URE unit for some other reason	Unit
SPAN	Spanish origin of person	Household Composition
SPLF	Pipeless furnace is supplemental heating equipment	Utilities
SPORTH	Portable heaters are supplemental heating equipment	Utilities
SPOS	Line number of spouse of person	Household Composition
SPRNKLR	Sprinkler system inside the unit	Unit
SRECV	Own vacant/URE unit for recreation	Unit
SRENTV	Number of nights vacant/URE unit was rented out	Unit
SSELV	Want to sell vacant/URE unit - not sold yet	Unit
SSTEAM	Steam/hot water system is supplemental heat equipment	Utilities
SSTOVE	Woodburning stove is supplemental heating equipment	Utilities
SSUN	Supplemental heating equipment uses solar energy	Utilities
STATE	FIPS state code	Geography
STATUS	Interview status	Household Composition
STEAM	Steam system used as supplemental heating equipment	Unit
STORG	Number of storage rooms/pantries in unit	Unit
STOVE	Wood stove used as supplemental heating equipment	Utilities
STRN	Neighborhood has heavy street noise/traffic	Neighborhood
STRNA	Neighborhood has heavy street noise/traffic	Neighborhood
STRNB	Neighborhood street noise/traffic bothersome	Neighborhood
STRNC	St. noise/traffic so bad you want to move	Neighborhood
SUBFIX	Household got government loan/grant for alterations	Upgrade and Remodeling
SUBMOR	Government program provides 1st mortgage	Housing Cost
SUBMR2	Government program provides 2nd mortgage	Housing Cost
SUBMR3	Government program provides 3rd mortgage	Housing Cost
SUBMR4	Government program provides 4th & other mortgage	Housing Cost
SUBRNT	Government subsidizes rent for unit	Income
SUBRNT1	Government subsidizes rent for unit	Income
SUBRNT2	Government subsidizes rent for unit	Income
SWOOD	Supplemental heating equipment uses wood	Utilities
SXUREV	Vacant/URE unit was previous residence	Sample status, weights, interview status

TADJ	Purchase price changed due to inspection/test	Housing Cost
TALWIR	Aluminum wiring inspected before purchase	Unit Quality
TASB	Unit tested for asbestos before purchase	Unit Quality
TAXPMT	Property taxes included in 1st mortgage	Housing Cost
TELAV	Telephone available elsewhere	Unit
TELHH	Telephone in housing unit	Unit
TEN	This person is owner/renter of unit	Household Composition
TENURE	Owner/renter status of unit	Unit
TERM	Term of 1st mortgage	Housing Cost
TERM2	Term of 2nd mortgage	Housing Cost
TIMEJ	Length of trip to work	Commuting
TIMETRN	Travel time to nearest bus stop, train station, or subway stop	Commuting
TIMSHR	Ownership of unit time shared	Unit
TLRMOV	Number of people moved into unit in last 2 years	Recent Movers
TOILET	Unit has a flush toilet	Unit Quality
TPARK	Number of mobile homes in group	Mobile Homes
TPBPAI	Unit tested for lead paint before purchase	Lead Based Paint
TPBPIP	Lead pipes inspected before purchase	Lead Based Paint
TPBSOL	Lead solder inspected before purchase	Lead Based Paint
TRADON	Unit tested for radon before purchase	Unit Quality
TRAN	Method of transportation to work	Commuting
TRASH	Unit has working built-in trash compactor	Unit
TREP	Repairs made because of inspection/test	Unit Quality
TRN	Is the public transportation satisfactory?	Commuting
TRUCKS	Number of vans or trucks for household use	Commuting
TUB	Unit has a bathtub or shower	Unit
TWATER	Water quality tested before purchase	Unit Quality
TXPMT2	Property taxes included in 2nd mortgage	Housing Cost
TXRE	Received real estate property tax rebate	Housing Cost
TYPE	Housing unit type	Unit
UNITSF	Square footage of unit	Unit
USEGAS	Household uses gas	Utilities
USELECT	Household uses electricity	Utiliites
USEOIL	Household uses oil	Utilities
USEOTHR	Household uses other fuels	Utilities
USETRN	Someone in household uses Public transportation	Commuting
USFCAM	Amount of square foot change in unit	Upgrade and Remodeling
USFCHG	Change in square footage of unit	Upgrade and Remodeling
VACANCY	Vacancy status	Unit
VACVAC	Unit for vacation or other short-term use	Sample status, weights, interview status

VALUE	Current market value of unit	Housing Cost
VARM	1st mortgage changes for other reason	Housing Cost
VARM2	2nd mortgage changes for other reason	Housing Cost
VARY	1st mortgage payments change	Housing Cost
VARY2	2nd mortgage payments change	Housing Cost
VCHER	Received voucher to help pay rent	Income
VEHCL	Drive to work alone or with others	Commuting
VOTHER	Total amount of other family income	Income
VOTHER2	Total amount of other household income	Income
WALLX	# inside walls/ceilings repaired/replaced	Upgrade and Remodeling
WALREP	Inside walls/ceilings repaired/replaced	Upgrade and Remodeling
WASH	Unit has a working washing machine	Unit
WATER	Source of water for unit	Unit
WATERD	Source of drinking water	Unit
WATERS	Water safe for drinking & cooking	Unit Quality
WEIGHT	Final weight	Sample status, weights, interview status
WELDUS	Number of units this water source serves	Unit
WELL	Well drilled or dug	Unit
WFPROP	Unit is waterfront property	Unit
WFUEL	Fuel used most to heat water	Utilities
WGT90GEO	Final weight based on 1990 Census geography	Sample status, weights, interview status
WHAVL	Liked unit because only one available	Recent Movers
WHDSN	Liked unit because of room layout/design	Recent Movers
WHDY	Number of days worked at home	Household Composition
WHEXT	Liked unit because of exterior appearance	Recent Movers
WHFIN	Liked unit for financial reasons	Recent Movers
WHHRB	# hours worked at home (self-employed)	Household Composition
WHHRW	# hours worked at home (wage & salary)	Household Composition
WHKIT	Liked unit because of kitchen	Recent Movers
WHNGET	Year unit bought/obtained/received	Unit
WHOME	Work at home for employer	Household Composition
WHOTH	Liked unit for other reasons	Recent Movers
WHQUL	Liked unit because of construction quality	Recent Movers
WHSIZ	Liked unit because of size	Recent Movers
WHYCD1	Unit cold due to utility interruption	Unit Quality
WHYCD2	Unit cold due to inadeq. heating capacity	Unit Quality
WHYCD3	Unit cold due to inadequate insulation	Unit Quality
WHYCD4	Unit cold due to cost of heating	Unit Quality
WHYCD5	Unit cold because of some other reason	Unit Quality
WHYMOVE	Main reason moved	Recent Movers

WHYRD	Liked unit because of yard/trees/view	Recent Movers
WHYTOH	Main reason this unit was chosen	Recent Movers
WHYTON	Main reason this neighborhood was chosen	Recent Movers
WINREP	Windows repaired or replaced	Upgrade and Remodeling
WINUS	Place of work outside the U.S.	Household Composition
WINX	Number of windows repaired or replaced	Upgrade and Remodeling
WLEAK	Water leak in wall or closed door/window	Unit Quality
WLINEQ	Work at all last week	Household Composition
WMCHEP	Moved here for less expensive rent/maintenance	Recent Movers
WMCHTN	Moved here to own not rent or vice versa	Recent Movers
WMCLOS	Moved to be closer to work/school/other	Recent Movers
WMCNDO	Moved because unit was going condo/co-op	Recent Movers
WMDISL	Moved because of disaster loss	Recent Movers
WMEVIC	Main reason for moving - eviction	Recent Movers
WMFAML	Moved for other family/personal reasons	Recent Movers
WMFEMP	Moved for other financial/employment reasons	Recent Movers
WMGOVP	Moved because government using land/unit	Recent Movers
WMGOVT	Force to move by government	Recent Movers
WMHOUS	Moved for other housing related reasons	Recent Movers
WMJOBS	Moved for new job or job transfer	Recent Movers
WMLARG	Moved because needed larger unit	Recent Movers
WMMARR	Moved because of marital status change	Recent Movers
WMNFIT	Moved because unit was condemned	Recent Movers
WMONHH	Moved to establish own household	Recent Movers
WMOTHR	Moved for some other reason	Recent Movers
WMOWNR	Moved because owner taking over unit	Recent Movers
WMPRIV	Moved cause private company/person wants unit	Recent Movers
WMQUAL	Moved to obtain higher quality unit	Recent Movers
WMREPR	Moved because unit closed for repairs	Recent Movers
WNFUN	Chose neighborhood for close leisure activity	Recent Movers
WNHOME	Chose neighborhood because of unit	Recent Movers
WNJOB	Chose neighborhood because close to work	Recent Movers
WNLOOK	Chose neighborhood for its looks/design	Recent Movers
WNOTHR	Chose neighborhood for other reasons	Recent Movers
WNPEPL	Chose neighborhood since close to friends/family	Recent Movers
WNSCH	Chose neighborhood because of good schools	Recent Movers
WNSRV	Chose neighborhood for other public services	Recent Movers
WNTRAN	Chose neighborhood since close to Public trans.	Recent Movers
WTIME	Time usually leave for work	Commuting
WTRHRL	Source of inside water leak is broken water heat	Unit Quality

XCOND	Previous residence was condo/co-op	Recent Movers
XCOOP	Previous residence was a cooperative	Recent Movers
XCOST	Current housing costs same as old unit	Recent Movers
XHEAD	Prev unit owned/rented by one who moved here	Recent Movers
XHRATE	Current unit better/worse than old unit	Recent Movers
XINUS	Previous residence outside united states	Recent Movers
XNRATE	Current neighborhood better/worse than old one	Recent Movers
XPER	# people living in last unit before move	Recent Movers
XREL	Previous unit owner/rented by relative	Recent Movers
XTEN	Tenure of previous residence	Recent Movers
XUNIT	Type of unit of previous residence	Recent Movers
YRMOR	Year 1st mortgage obtained	Housing Cost
YRMOR2	Year 2nd mortgage obtained	Housing Cost
YRRND	Unit suitable for year round use	Unit
ZADEQ	Recoded adequacy of housing	Unit Quality
ZADULT	Number of adults 18+ in household	Household Composition
ZINC	Family income	Income
ZINC2	Household Income	Income
ZINCH	This month's income same as 1 year ago	Income
ZINCN	Expected income in next 12 months	Income
ZMVGRP	Total Number of mover groups in the household	Household Composition
ZONE	Defined area of > 100,000 population	Geography
ZSMHC	Monthly housing costs	Housing

Variables Listed by Topic

BBLDG	Type B noninterview building	Sample status, weights, interview status
BOARDU	Type B unit boarded up	Sample status, weights, interview status
CONTROL	Control number	Sample status, weights, interview status
DATE	Interview date	Sample status, weights, interview status
HISTRY	Status of unit	Sample status, weights, interview status
ISTATUS	Interview status	Sample status, weights, interview status
MARKET	Unit for rent only, sale only, or either	Sample status, weights, interview status
MARKT	Unit currently for rent or sale	Sample status, weights, interview status
MOVAC	# months unit has been vacant	Sample status, weights, interview status
NOINT	Noninterview reason	Sample status, weights, interview status
PWT	Pure weight - inverse of prob of selection	Sample status, weights, interview status
REUAD	Reason unit got added to sample	Sample status, weights, interview status
S150MV	Vacant/URE unit <= 150 miles of owners res.	Sample status, weights, interview status
SAMEDU	Same HU as last enumeration	Sample status, weights, interview status
SXUREV	Vacant/URE unit was previous residence	Sample status, weights, interview status
VACVAC	Unit for vacation or other short-term use	Sample status, weights, interview status
WEIGHT	Final weight	Sample status, weights, interview status
WGT90GEO	Final weight based on 1990 Census geography	Sample status, weights, interview status
CMSA	1980 design CMSA code	Geography
COUNTY	County code	Geography
METRO	Central city / suburban status	Geography
METRO3	Central city / suburban status	Geography
PMSA	1990 design PMSA code	Geography
PSUDOTCT	Census tract for 1970, 1980 or 1990 containing case	Geography
REGION	Census region	Geography
SMSA	1980 design PMSA code	Geography
STATE	FIPS state code	Geography
ZONE	Defined area of > 100,000 population	Geography
ACCESS	Direct access to unit	Unit
ACCESSB	Entry system required to access building	Unit
AGERES	Age restricted development	Unit
AIR	Room air conditioner	Unit
AIRSYS	Central air conditioner	Unit
ANYCAR	Wall-to-wall carpeting in any area of unit	Unit
ANYPNT	Any painting done on inside of unit	Unit
ANYRUG	Any rugs or carpeting in unit	Unit

APTFL	Number of floors in the apartment itself	Unit
ASSTSERV	Manager provides personal care assistance	Unit
ATBSUN	Number of unfinished attics/basements in unit	Unit
BATHS	Number of full bathrooms in unit	Unit
BATTERY	Smoke detector batteries replaced in last 6 months	Unit
BDCARP	Wall-to-wall carpeting in bedroom	Unit
BEDRMS	Number of bedrooms in unit	Unit
BEDX	Number of bedrooms with wall-to-wall carpeting	Unit
BUILT	Year unit was built	Unit
BURNER	Unit has working built-in cooking burners	Unit
BUSIN	Number of offices/business rooms in unit	Unit
BUSPER	# rooms used for business/personal use	Unit
CELLAR	Unit has a basement	Unit
CLIMB	Number of floors from main entrance to apartment	Unit
CONDO	Unit is condominium or cooperative	Unit
COOK	Unit has working cookstove or range/oven	Unit
DENS	Number of dens/libraries/tv rooms in unit	Unit
DINING	Number of dining rooms in unit	Unit
DIRAC	Number of offices having direct access	Unit
DISH	Unit has working dishwasher	Unit
DISPL	Unit has working garbage disposal	Unit
DRSHOP	Medical office/community store on property	Unit
DRY	Unit has working clothes dryer	Unit
DSTEAM	Steam/hot water system-DK if supplemental/parallel	Unit
DSTOVE	Woodburning stove - DK if supplemental/parallel	Unit
EBAR	Windows covered with metal bars	Unit
EHEIGHT	Height of apartment buildings within 1/2 blk	Unit
ELEV	Working passenger elevator	Unit
EXCLUS	Number offices used exclusively for business	Unit
FAMRM	Number of family rooms/great rooms in unit	Unit
FIREX	Unit has a fire extinguisher	Unit
FLOODPLN	Unit in a flood plain	Unit
FLOORS	Number of stories in building	Unit
FLOT	Heating equipment vented to outside	Unit
FPINS	Fireplace has inserts	Unit
FPLWK	Unit has useable fireplace	Unit
FRPL	Fireplace does not have inserts	Unit
FRPLI	Fireplace has inserts	Unit
FRSTOC	Current occupants are first occupants	Unit
GARAGE	Garage or carport included with unit	Unit

HALB	Additional half bathrooms in unit	Unit
HALFB	Number of half bathrooms in unit	Unit
HOTPIP	Unit has hot & cold running water	Unit
INCP	Offstreet parking included	Unit
KEXCLU	Kitchen facilities for household use only	Unit
KITCH	Number of kitchens in unit	Unit
KITCHEN	Complete kitchen facilities in unit	Unit
LAT70S	Year unit built in late 1970s	Unit
LAUNDY	Number of laundry/utility rooms in unit	Unit
LIVING	Number of living rooms in unit	Unit
LOT	Square footage of lot	Unit
LVCARP	Wall-to-wall carpeting in living room	Unit
MOBILTYP	Manufactured/mobile home type	Unit
MONOX	Unit has carbon monoxide detector	Unit
MOPERM	# months since occupied as permanent home	Unit
NOOTHRM	No other rooms in unit	Unit
NUMAIR	Number of room air conditioners	Unit
NUNIT2	Are these living units in a	Unit
NUNITS	Number of units in building	Unit
OARSYS	Unit has another central a/c system	Unit
OBEDRM	Number of offices used for bedroom	Unit
ODIN	Number of offices used as dining room	Unit
ODIRAC	Number of offices having direct access	Unit
OKITCH	Number of offices used for kitchen	Unit
OLIVIN	Number of offices used for living room	Unit
OOTHRM	Number of offices used for other room	Unit
OTBUP	Other building on property used as living quarters	Unit
OTHFN	Number of other finished rooms in unit	Unit
OTHLQ	Other living quarters on property	Unit
OTHLQ1	Other apartments in building	Unit
OTHLQ2	Other apartments in building	Unit
OTHRUN	Number of other unfinished rooms in unit	Unit
OVEN	Unit has a working microwave oven	Unit
OWNHERE	Owner/resident manager lives on-site	Unit
OWNLOT	Household owns the land	Unit
PERSERV	Management provides personal care assistance	Unit
PHONE	Telephone available for use	Unit
PLUGS	Every room has working electrical plug	Unit
PORCH	Unit has porch/deck/balcony/patio	Unit
PUBSEW	Unit connected to public sewer	Unit

RECRM	Number of recreation rooms in unit	Unit
REFR	Unit has a working refrigerator	Unit
ROOMS	Number of rooms in unit	Unit
ROOMSA	Rooms used for both business & other	Unit
ROOMSB	Number of rooms used for both business & other	Unit
SEWDIS	Type of sewage disposal	Unit
SEWDUS	Number of units connected to sewage system	Unit
SHARAT	Unit shares attic or basement	Unit
SHARFR	Unit shares furnace or boiler	Unit
SINHV	Inherited this vacant/URE unit	Unit
SINK	Unit has kitchen sink	Unit
SINVV	Own vacant/URE unit as an investment	Unit
SMOKE	Smoke detector	Unit
SMOKPWR	Smoke detector power source	Unit
SOTHV	Own vacant/URE unit for some other reason	Unit
SPRNKLR	Sprinkler system inside the unit	Unit
SRECV	Own vacant/URE unit for recreation	Unit
SRENTV	Number of nights vacant/URE unit was rented out	Unit
SSELV	Want to sell vacant/URE unit - not sold yet	Unit
STEAM	Steam system used as supplemental heating equipment	Unit
STORG	Number of storage rooms/pantries in unit	Unit
TELAV	Telephone available elsewhere	Unit
TELHH	Telephone in housing unit	Unit
TENURE	Owner/renter status of unit	Unit
TIMSHR	Ownership of unit time shared	Unit
TRASH	Unit has working built-in trash compactor	Unit
TUB	Unit has a bathtub or shower	Unit
TYPE	Housing unit type	Unit
UNITSF	Square footage of unit	Unit
VACANCY	Vacancy status	Unit
WASH	Unit has a working washing machine	Unit
WATER	Source of water for unit	Unit
WATERD	Source of drinking water	Unit
WELDUS	Number of units this water source serves	Unit
WELL	Well drilled or dug	Unit
WFPROP	Unit is waterfront property	Unit
WHNGET	Year unit bought/obtained/received	Unit
YRRND	Unit suitable for year round use	Unit
BADSTEP	Loose/broken/missing steps in common stairs	Unit Quality

BDSTPQ	Loose/broken/missing steps in common stairs	Unit Quality
BLDMNT	Satisfaction with building maintenance	Unit Quality
BLEAK	Water leak in basement	Unit Quality
BSINK	Unit has a bathroom sink	Unit Quality
CRACKS	Open cracks wider than dime	Unit Quality
DFIRE	Type C-30/31 severely damaged by fire	Unit Quality
DISAS	Type C severely damaged by natural disaster	Unit Quality
DORREP	Any doors repaired/replaced in unit	Unit Quality
EBOARD	Windows boarded up	Unit Quality
EBROKE	Windows broken	Unit Quality
ECRUMB	Holes/cracks or crumbling in foundation	Unit Quality
EGOOD	No listed conditions seen in/on unit	Unit Quality
EHOLER	Roof has holes	Unit Quality
ELEVWK	At least one elevator in working order	Unit Quality
EMISSR	Roof missing shingles/other roofing materials	Unit Quality
EMISSW	Outside walls missing siding/bricks/etc	Unit Quality
ESAGR	Roof's surface sags or is uneven	Unit Quality
ESLOPW	Outside walls slope/lean/slant/buckle	Unit Quality
EVROD	Evidence of rodents in unit	Unit Quality
EXPOSE	Type B interior exposed to elements	Unit Quality
FREEZE	Unit cold for 24+ hrs was uncomfortable	Unit Quality
GRDMNT	Satisfaction with grounds maintenance	Unit Quality
HOLES	Holes in floor	Unit Quality
HOWH	Rating of unit as a place to live	Unit Quality
IFBLOW	Fuses blown or circuit breakers tripped	Unit Quality
IFCOLD	Main heating equipment broke down	Unit Quality
IFDRY	Unit completely without running water	Unit Quality
IFSEW	Sewage system broke down	Unit Quality
IFTLT	Any toilet breakdowns in last 3 months	Unit Quality
ILEAK	Any inside water leaks in last 12 months	Unit Quality
IMAINT	Receive adequate maintenance	Unit Quality
LEAK	Any outside water leaks in last 12 months	Unit Quality
LTSOK	Hallway lights working	Unit Quality
LTSOK1	Hallway lights working	Unit Quality
LTSOK2	All hallway lights working	Unit Quality
M3ROD	Rodents seen in unit recently	Unit Quality
MAJR1	Starts major maintenance/repairs soon enough	Unit Quality
MAJR2	Solves major problems quickly	Unit Quality
MAJR3	Polite/considerate of home (major repairs)	Unit Quality
MICE	Mice seen in unit recently	Unit Quality

MINR1	Starts minor maintenance/repairs soon enough	Unit Quality
MINR2	Solves minor problems quickly	Unit Quality
MINR3	Polite/considerate of home (minimum repairs)	Unit Quality
NLEAK1	Inside water leak from some other source	Unit Quality
NLEAK2	Source of inside water leak unknown	Unit Quality
NOTSUR	Not sure if rodents were rats or mice	Unit Quality
NOWIRE	Electrical wiring concealed by walls/wiring	Unit Quality
NUMBLOW	# times fuses blown or breakers tripped	Unit Quality
NUMCOLD	# times main heating equipment broke down	Unit Quality
NUMDRY	# times completely without running water	Unit Quality
NUMSEW	Number of sewage system breakdowns	Unit Quality
NUMTLT	Number of toilet breakdowns 6 hours or more	Unit Quality
OMAINT	Buildings & grounds maintained properly	Unit Quality
OTHCLD	Unit cold for some other reason	Unit Quality
OTLEAK	Water leak from other outside source	Unit Quality
PILEAK	Inside water leak from leaking pipes	Unit Quality
PLEAK	Inside water leak from plumbing fixtures	Unit Quality
PLUMB	Complete plumbing facilities in unit	Unit Quality
RAILOK	Railings on common stairs firmly attached	Unit Quality
RAILOK1	Railings on stairs firmly attached	Unit Quality
RAILOK2	All stair railings firmly attached	Unit Quality
RATS	Rats seen in unit recently	Unit Quality
RLEAK	Water leak in roof	Unit Quality
TALWIR	Aluminum wiring inspected before purchase	Unit Quality
TASB	Unit tested for asbestos before purchase	Unit Quality
TOILET	Unit has a flush toilet	Unit Quality
TRADON	Unit tested for radon before purchase	Unit Quality
TREP	Repairs made because of inspection/test	Unit Quality
TWATER	Water quality tested before purchase	Unit Quality
WATERS	Water safe for drinking & cooking	Unit Quality
WHYCD1	Unit cold due to utility interruption	Unit Quality
WHYCD2	Unit cold due to inadeq. heating capacity	Unit Quality
WHYCD3	Unit cold due to inadequate insulation	Unit Quality
WHYCD4	Unit cold due to cost of heating	Unit Quality
WHYCD5	Unit cold because of some other reason	Unit Quality
WLEAK	Water leak in wall or closed door/window	Unit Quality
WTRHRL	Source of inside water leak is broken water heat	Unit Quality
ZADEQ	Recoded adequacy of housing	Unit Quality
ADDTN2	Percentage of 2nd mortgage used for additions/improvements	Housing Cost

ADDTNS	Percentage of 1st mortgage used for additions/improvements	Housing Cost
AMMORT	Amount of 1st mortgage when acquired	Housing Cost
AMMRT2	Amount of 2nd mortgage when acquired	Housing Cost
AMMRT3	Amount borrowed by 3rd mortgage	Housing Cost
AMMRT4	Amount borrowed by 4th & other mortgages	Housing Cost
AMRTZ	Years needed to pay off 1st mortgage	Housing Cost
AMRTZ2	Years needed to pay off 2nd mortgage	Housing Cost
AMTI	Annual cost of homeowners insurance	Housing Cost
AMTM	Amount of other charges included in 1st mortgage	Housing Cost
AMTM2	Amount of other charges included in 2nd mortgage	Housing Cost
AMTT	Annual cost of garbage & trash	Housing Cost
AMTW	Annual cost of water & sewage	Housing Cost
AMTX	Annual real estate tax payment	Housing Cost
ARM	1st mortgage changes due to interest rate	Housing Cost
ARM2	2nd mortgage changes due to interest rate	Housing Cost
ARMASK	1st mortgage changes for other reason	Housing Cost
ARMASK2	2nd mortgage changes for other reason	Housing Cost
BANK	1st mortgage borrowed from bank	Housing Cost
BANK2	2nd mortgage borrowed from bank	Housing Cost
BLOON	1st mortgage's last payment biggest	Housing Cost
BLOON2	2nd mortgage's last payment biggest	Housing Cost
BUYI	Household has homeowners insurance	Housing Cost
BUYT	Pay for garbage/trash separately	Housing Cost
BUYT2	Pay for garbage/trash separately	Housing Cost
BUYW	Pay for water/sewage separately	Housing Cost
BUYW2	Pay for water/sewage separately	Housing Cost
CANVAR	Term of 1st mortgage can vary	Housing Cost
CANVR2	Term of 2nd mortgage can vary	Housing Cost
CASH	Amount of cash received from 1st mortgage	Housing Cost
CASH2	Amount of cash received from 2nd mortgage	Housing Cost
CONFEE	Monthly condo/homeowner's association/mobile home fee	Housing Cost
CPRICE	Cost of construction plus value of land	Housing Cost
CSTMNT	Annual cost for routine maintenance	Housing Cost
DWNPAY	Main source of downpayment on unit	Housing Cost
EXTLN2	2nd mortgage refinanced to renew/extend	Housing Cost
EXTLON	1st mortgage refinanced to renew/extend	Housing Cost
FIXED	1st mortgage changes for taxes/insurance	Housing Cost
FIXED2	2nd mortgage changes for taxes/insurance	Housing Cost
FLRENT	Frequency of land/site rent payment	Housing Cost
FMHOTF	Frequency of other mobile home fee payments	Housing Cost

FRENT	Frequency of rent payment	Housing Cost
GPM	1st mortgage payments rise on fixed schedule part	Housing Cost
GPM2	2nd mortgage payments rise on fixed schedule part	Housing Cost
GPMW	1st mortgage payments rise on fixed schedule whole	Housing Cost
GPMW2	2nd mortgage payments rise on fixed schedule whole	Housing Cost
GTCAS2	2nd mortgage refinanced to receive cash	Housing Cost
GTCASH	1st mortgage refinanced to receive cash	Housing Cost
HEARHS	How first heard about this unit	Housing Cost
HEBAL1	Outstanding loan against 1st home equity loan	Housing Cost
HEBAL2	Outstanding loan against 2nd home equity loan	Housing Cost
HEBAL3	Outstanding loan against 3rd home equity loan	Housing Cost
HEBAM1	Outstanding balance on 1st home equity loan	Housing Cost
HEBAM2	Outstanding balance on 2nd home equity loan	Housing Cost
HEBAM3	Outstanding balance on 3rd home equity loan	Housing Cost
HECR1	Credit limit on 1st home equity loan	Housing Cost
HECR2	Credit limit on 2nd home equity loan	Housing Cost
HECR3	Credit limit on 3rd home equity loan	Housing Cost
HEINF1	Interest rate on 1st home equity loan - fraction	Housing Cost
HEINF2	Interest rate on 2nd home equity loan - fraction	Housing Cost
HEINF3	Interest rate on 3rd home equity loan - fraction	Housing Cost
HEINW1	Interest rate on 1st home equity loan - whole #	Housing Cost
HEINW2	Interest rate on 2nd home equity loan - whole #	Housing Cost
HEINW3	Interest rate on 3rd home equity loan - whole #	Housing Cost
HEL	Has a home equity loan	Housing Cost
HELC	Has a home equity line of credit	Housing Cost
HELCN	Number of home equity lines of credit	Housing Cost
HELMP1	1st home equity loan lump sum	Housing Cost
HELMP2	2nd home equity loan lump sum	Housing Cost
HELMP3	3rd home equity loan lump sum	Housing Cost
HELUMN	Number of lump sum home equity loans	Housing Cost
HELUMP	Has a lump sum home equity loan	Housing Cost
HENUM	Number of home equity loans	Housing Cost
HEPMT1	1st home equity loan monthly payment	Housing Cost
HEPMT2	2nd home equity loan monthly payment	Housing Cost
HEPMT3	3rd home equity loan monthly payment	Housing Cost
HETYP1	1st home equity loan type	Housing Cost
HETYP2	2nd home equity loan type	Housing Cost
HETYP3	3rd home equity loan type	Housing Cost
IFFEE	Condo/co-op/assoc/mobile home park fee required	Housing Cost
IMPROV	Funds from 1st home equity loan used for additions/improvements	Housing Cost

IMPRV2	Funds from 2nd home equity loan used for additions/improvements	Housing Cost
INCPER	1st mortgage refinanced to increase payment	Housing Cost
INCPR2	2nd mortgage refinanced to increase payment	Housing Cost
INCS	Pay separate rent for land	Housing Cost
INPMT2	2nd mortgage payment includes insurance	Housing Cost
INSPMT	1st mortgage payment includes insurance	Housing Cost
INTF	Interest rate of 1st mortgage - fraction	Housing Cost
INTF2	Interest rate of 2nd mortgage - fraction	Housing Cost
INTW	Interest rate of 1st mortgage - whole #	Housing Cost
INTW2	Interest rate of 2nd mortgage - whole #	Housing Cost
LANDC	Land contract for mortgage	Housing Cost
LANPMT	Land rent included with mortgage payment	Housing Cost
LOOKHS	Looked at both houses/mobile home & apartments	Housing Cost
LOOKNS	Looked at other neighborhoods	Housing Cost
LOON	% of 1st mortgage due in last payment	Housing Cost
LOON2	% of 2nd mortgage due in last payment	Housing Cost
LOWIN2	2nd mortgage refinanced to get lower interest	Housing Cost
LOWINT	1st mortgage refinanced to get lower interest	Housing Cost
LPRICE	Purchase price of unit and land	Housing Cost
LRENT	Land/site rent	Housing Cost
LVALUE	Current value of land	Housing Cost
MATBUY	Got 1st mortgage in same year bought unit	Housing Cost
MATBY2	Got 2nd mortgage in same year bought unit	Housing Cost
MCNT	Number of regular mortgages	Housing Cost
MCOM	1st mortgage covers business on property	Housing Cost
MCOM2	2nd mortgage covers business on property	Housing Cost
MFARM	1st mortgage covers farm land	Housing Cost
MFARM2	2nd mortgage covers farm land	Housing Cost
MG	Any mortgages on this property	Housing Cost
MH32	Mobile home on property used for living quarters	Housing Cost
MHOTFE	Amount of other required mobile home fees	Housing Cost
MORTIN	Type of 1st mortgage	Housing Cost
MORTN2	Type of 2nd mortgage	Housing Cost
MRTYP1	Type of 1st mortgage	Housing Cost
MRTYP2	Type of 2nd mortgage	Housing Cost
NEWMOR	1st mortgage new or assumed	Housing Cost
NEWMR2	2nd mortgage new or assumed	Housing Cost
NUMMOR	Number of mortgages including home equity loans	Housing Cost
OTHPMT	Other charges including in 1st mortgage payment	Housing Cost
OTHREF	1st mortgage refinanced for other reason	Housing Cost

OTPMT2	Other charges including in 2nd mortgage payment	Housing Cost
OTREF2	2nd mortgage refinanced for other reason	Housing Cost
PERUS1	Percentage of 1st mortgage loan used for additions/improvements	Housing Cost
PERUS2	Percentage of 2nd mortgage loan used for additions/improvements	Housing Cost
PINCO2	2nd mortgage covers other units	Housing Cost
PINCOP	1st mortgage covers other units	Housing Cost
PMAMT2	Amount of mortgage insurance included in 2nd mortgage	Housing Cost
PMIAMT	Amount of mortgage insurance included in 1st mortgage	Housing Cost
PMIPMT	1st mortgage payments include private mortgage insurance	Housing Cost
PMPMT2	2nd mortgage payments include private mortgage insurance	Housing Cost
PMT	Monthly payment for 1st mortgage	Housing Cost
PMT2	Monthly payment for 2nd mortgage	Housing Cost
PMT3	Monthly payment for 3rd mortgage	Housing Cost
PMT4	Monthly payment for all other mortgages	Housing Cost
POOR	Household income as percent of poverty line	Housing Cost
PRENT	Amount of rent actually paid	Housing Cost
PROJ	Building owned by public housing authority	Housing Cost
PVALUE	Current value of unit	Housing Cost
RAM	Has reserve annuity or home equity conversion mortgage	Housing Cost
RAMAP	Applied for reverse annuity mortgage	Housing Cost
RAMORT	Heard of reverse annuity mortgage	Housing Cost
RCNTRL	Rent limited by rent control/stabilization	Housing Cost
REDMO2	Refinanced to reduce monthly payment of 2nd loan	Housing Cost
REDMON	Refinanced to reduce monthly payment	Housing Cost
REDPA2	Reason for refinancing reduced payment of 2nd	Housing Cost
REDPAY	Reason for refinancing reduced payment of 1st	Housing Cost
REFI	Mortgage a refinancing of previous mortgage	Housing Cost
REFI2	2nd mortgage a refinancing of 1st mortgage	Housing Cost
REGMOR	Number of regular mortgages on unit	Housing Cost
RENEW	Income info required for lease renewal	Housing Cost
RENT	Amount reported for payment period in FRENT	Housing Cost
RESMOR	Amount of 1st mortgage applies only to unit	Housing Cost
RESMR2	Amount of 2nd mortgage applies only to unit	Housing Cost
RNTADJ	Rent adjusted because relationship w/ owner	Housing Cost
SELL	Borrowed 1st mortgage from former owner	Housing Cost
SELL2	Borrowed 2nd mortgage from former owner	Housing Cost
SUBMOR	Government program provides 1st mortgage	Housing Cost
SUBMR2	Government program provides 2nd mortgage	Housing Cost
SUBMR3	Government program provides 3rd mortgage	Housing Cost
SUBMR4	Government program provides 4th & other mortgage	Housing Cost

TADJ	Purchase price changed due to inspection/test	Housing Cost
TAXPMT	Property taxes included in 1st mortgage	Housing Cost
TERM	Term of 1st mortgage	Housing Cost
TERM2	Term of 2nd mortgage	Housing Cost
TXPMT2	Property taxes included in 2nd mortgage	Housing Cost
TXRE	Received real estate property tax rebate	Housing Cost
VALUE	Current market value of unit	Housing Cost
VARM	1st mortgage changes for other reason	Housing Cost
VARM2	2nd mortgage changes for other reason	Housing Cost
VARY	1st mortgage payments change	Housing Cost
VARY2	2nd mortgage payments change	Housing Cost
YRMOR	Year 1st mortgage obtained	Housing Cost
YRMOR2	Year 2nd mortgage obtained	Housing Cost
ZSMHC	Monthly housing costs	Housing Cost
AGE	Age of person	Household Composition
APPLY	How got to live in public housing	Household Composition
CITSHP	U.S. Citizenship	Household Composition
CUSHOM	How owner obtained unit	Household Composition
DLINE1	Line Number of respondent	Household Composition
FAMNUM	Family number	Household Composition
FAMREL	Family relationship	Household Composition
FAMTYP	Family type	Household Composition
FRSTHO	Ever owned home before	Household Composition
GRAD	Educational level of person	Household Composition
HERE	Nonrelative is present	Household Composition
HHAGE	Age of householder	Household Composition
HHCITSHP	US Citizenship of householder	Household Composition
HHGRAD	Education level of householder	Household Composition
HHINUSYR	Year householder came to US	Household Composition
HHMAR	Marital status of householder	Household Composition
HHNATVTY	Country of birth of householder	Household Composition
HHPLINE	Line number of householder	Household Composition
HHRACE	Race of householder	Household Composition
HHREL	Relationship of householder to household	Household Composition
HHSEX	Sex of householder	Household Composition
HHSPAN	Spanish origin of householder	Household Composition
HHSPOS	Line number of spouse of householder	Household Composition
HHTEN	Householder is owner/renter of unit	Household Composition
HHWLINEQ	Householder worked at all last week	Household Composition

INUSYR	Year came to U.S.	Household Composition
LIVEAT	Everyone in household lives or eats together	Household Composition
LONGIT	Characteristics of household in 70/80/90	Household Composition
MAR	Marital status of person	Household Composition
NATVTY	Country of birth	Household Composition
NOSTEP	Entrance accessible w/o steps or stairs	Household Composition
NROWNR	Ownership shared w/ person not living here	Household Composition
NRPAYM	Person not living here help pay mortgage/util	Household Composition
PAR	Line number of parent of person	Household Composition
PER	Number of persons in household	Household Composition
PERSINT	Personal/telephone interview	Household Composition
PERSON	Line number of person	Household Composition
PERSON	Line number of person	Household Composition
PLINE	Line number of person	Household Composition
PREOCC	Received unit as gift or purchased it	Household Composition
RACE	Race of person	Household Composition
REL	Relationship of person to reference person	Household Composition
REMP	Employed by household	Household Composition
RESPTYP	Type of respondent	Household Composition
SAMEHH	Same household members live in unit	Household Composition
SAMEHH2	Same household members live in unit (recode)	Household Composition
SCHHO	Children in household schooled at home	Household Composition
SCHNO	Nobody in household attends school	Household Composition
SCHOTH	Someone in household attends other type of school	Household Composition
SCHPRI	Someone in household attends private school	Household Composition
SCHPUB	Someone in household attends public school	Household Composition
SEX	Sex of person	Household Composition
SNITEV	Number of nights owner spends at vacant/URE unit	Household Composition
SPAN	Spanish origin of person	Household Composition
SPOS	Line number of spouse of person	Household Composition
STATUS	Interview status	Household Composition
TEN	This person is owner/renter of unit	Household Composition
WHDY	Number of days worked at home	Household Composition
WHHRB	# hours worked at home (self-employed)	Household Composition
WHHRW	# hours worked at home (wage & salary)	Household Composition
WHOME	Work at home for employer	Household Composition
WINUS	Place of work outside the U.S.	Household Composition
WLINEQ	Work at all last week	Household Composition
ZADULT	Number of adults 18+ in household	Household Composition
ZMVGRP	Total Number of mover groups in the household	Household Composition

CROPSL	Receive farm income	Income
FOOD	Meals included in rent paid to household	Income
HHFOOD	Lodger contributes to household for food	Income
HHMORT	Lodger contributes to household for mortgage/rent	Income
HHOTH	Lodger contributes to household for other costs	Income
HHUTFU	Lodger contributes to household for utilities	Income
INV20K	Total savings/investments over $25,000	Income
LODRNT	Amount lodger pays to household	Income
LODSTA	Lodger pays fixed amount to household	Income
LT25K	Income in last 12 months over $25,000	Income
OTHEST	Anyone home who can estimate nonrelative income	Income
PQALIM	Person has alimony or child support income	Income
PQDIV	Person has dividends	Income
PQIDRI	Received interest, dividends, royalty income	Income
PQINT	Person has interest income	Income
PQOTALM	Received VA/unemployment/child support/alimony/other income	Income
PQOTHER	Person has unempl/workers comp/VA/other pay	Income
PQOTHNR	Other income received by nonrelative	Income
PQRENT	Person has rental income	Income
PQRETIR	Received retirement or survivor pension	Income
PQSAL	Wages/salary received by reference person/relative	Income
PQSALNR	Salary received by nonrelative	Income
PQSELF	Received self-employment income	Income
PQSELFNR	Received self-employment income by nonrelative	Income
PQSS	Received Social Security or Railroad Retirement pension	Income
PQSSI	Received Supplemental Security Income	Income
PQWELF	Received AFDC, TANF or other public assistance or welfare program payments	Income
PQWKCMP	Received SSDI, work. comp., vet. or other disability payments	Income
PVOTHER	Sum of a person's other income	Income
QALIM	Received alimony or child support	Income
QBINV	Household has farm or business investments	Income
QBUS	Received income from business/farm/ranch	Income
QDIV	Received dividends from stock	Income
QFS1	Received food stamps in last 12 months	Income
QIDRI	Received interest/rental/royalty/estate income	Income
QINT	Received interest from savings, cd, etc	Income
QMEN	Any income not already mentioned	Income
QOINV	Household has other investments	Income
QOTALM	Received VA/unemploy/child support/alim/other	Income

QOTHER	Received unemployment/vet payments/other inc	Income
QRENT	Received rental income	Income
QRETIR	Received retirement or survivor pension	Income
QSAVNG	Household has savings	Income
QSELF	Received self-employment income	Income
QSS	Received social security or pension	Income
QSSI	Received supplemental security income	Income
QWELF	Received AFDC, TANF or other public assistance or welfare program payments	Income
QWKCMP	Received workers company or other disability	Income
RCARP	Receive help w/ transportation expenses	Income
RCLOT	Receive help with clothing expenses	Income
RCOST	Receive help with rent payments	Income
REPHA	Report income to public housing authority	Income
RGROC	Receive help with grocery bills	Income
RKIDC	Receive help with child care payments	Income
RMEDI	Receive help with medical bills	Income
RNTDUE	Frequency of lodger's rent payment to household	Income
ROTHE	Received other assistance making ends meet	Income
RUTIL	Receive help with utility bills	Income
SAL	Wage & salary income of person	Income
SUBRNT	Government subsidizes rent for unit	Income
SUBRNT1	Government subsidizes rent for unit	Income
SUBRNT2	Government subsidizes rent for unit	Income
VCHER	Received voucher to help pay rent	Income
VOTHER	Total amount of other family income	Income
VOTHER2	Total amount of other household income	Income
ZINC	Family income	Income
ZINC2	Household Income	Income
ZINCH	This month's income same as 1 year ago	Income
ZINCN	Expected income in next 12 months	Income
ACCESSC	Entry system required to access community	Neighborhood
BADPER	People in neighborhood are bothersome	Neighborhood
BADPRP	Undesirable neighborhood/property bothersome	Neighborhood
BADSRV	Poor city/county services are bothersome	Neighborhood
COMMRECR	Community recreational facilities available	Neighborhood
COMMSERV	Community services provided	Neighborhood
CRIME	Serious neighborhood crime in last 12 months	Neighborhood
CRIMEA	Neighborhood has neighborhood crime	Neighborhood
CRIMEB	Neighborhood crime bothersome	Neighborhood

CRIMEC	Crime so bad you want to move	Neighborhood
EABAN	Abandoned/vandalized buildings within 1/2 blk	Neighborhood
EAGE	Unit about same age as nearby units	Neighborhood
EAPTBL	Apartment buildings within 1/2 block of unit	Neighborhood
EBARCL	Buildings w/ bars on windows within 1/2 blk	Neighborhood
ECOM1	Business/institutions within 1/2 block	Neighborhood
ECOM2	Factories/other industry within 1/2 block	Neighborhood
EGREEN	Open spaces within 1/2 block of unit	Neighborhood
EHIGH	Apartment buildings 7+ stories tall within 1/2 blk	Neighborhood
EJUNK	Trash/junk in streets/properties in 1/2 blk	Neighborhood
ELOW1	Single-family town/rowhouses in 1/2 blk	Neighborhood
ELOW2	Apartment buildings <4 stories tall within 1/2 blk	Neighborhood
EMID	Apartment buildings 4-6 stories within 1/2 block	Neighborhood
EMOBIL	Mobile homes within 1/2 block of unit	Neighborhood
EPRKG	Parking lots within 1/2 block of unit	Neighborhood
EPRKGA	Nearby parking lots useable by anyone	Neighborhood
EPRKGR	Nearby parking lots for residents only	Neighborhood
EPRKGS	Nearby parking lots for shoppers/workers	Neighborhood
EROAD	Roads within 1/2 block need repairs	Neighborhood
ESFD	Single family homes within 1/2 block	Neighborhood
ETRANS	Railroad/airport/4-lane hwy within 1/2 block	Neighborhood
EWATER	Bodies of water within 1/2 block of unit	Neighborhood
GATED	Walls/fences surrounding community	Neighborhood
HOWN	Rating of neighborhood as place to live	Neighborhood
LITTER	Litter in neighborhood bothersome	Neighborhood
NEWTRN	Neighborhood Public transportation satisfactory	Neighborhood
NOISE	Noise in neighborhood is bothersome	Neighborhood
NOISN1	Hear neighbors through floor/walls/ceiling	Neighborhood
NOISN2	Loudness of neighbor's noise bothersome	Neighborhood
NOISN3	Timing of neighbor's noise bothersome	Neighborhood
NOPROB	Nothing bothersome in neighborhood	Neighborhood
NORC	Majority of neighbors 55+	Neighborhood
NPROBS	Anything bothersome in neighborhood	Neighborhood
ODOR	Neighborhood has bad smells	Neighborhood
ODORA	Neighborhood has bad smells	Neighborhood
ODORB	Neighborhood smells are bothersome	Neighborhood
ODORC	Smells are so bad you want to move	Neighborhood
OTHNHD	Other problems bothersome in neighborhood	Neighborhood
SATPOL	Neighborhood police protection satisfactory	Neighborhood
SCH	Neighborhood public Elementary school satisfactory	Neighborhood

SCHCLS	Neighborhood public Elementary school within 1 mile	Neighborhood
SCHM	Public Elementary school so bad you want to move	Neighborhood
SHARPF	Unit shares plumbing facilities	Neighborhood
SHP	Neighborhood shopping satisfactory	Neighborhood
SHPCLS	Neighborhood stores within 1 mile	Neighborhood
STRN	Neighborhood has heavy street noise/traffic	Neighborhood
STRNA	Neighborhood has heavy street noise/traffic	Neighborhood
STRNB	Neighborhood street noise/traffic bothersome	Neighborhood
STRNC	St. noise/traffic so bad you want to move	Neighborhood
AFUEL	Type of fuel used for air conditioning	Utilities
AFUR	Forced air furnace as supplemental heating equipment	Utilities
AMTE	Average monthly cost of electricity	Utilities
AMTF	Annual cost of other fuels	Utilities
AMTG	Average monthly cost of gas	Utilities
AMTO	Annual cost of fuel oil	Utilities
BILLE	Type of billing for electricity	Utilities
BILLEF	Electricity billed with other fuels	Utilities
BILLEG	Electricity billed with gas	Utilities
BILLEO	Electricity billed with fuel oil	Utilities
BILLET	Electricity billed with garbage/trash	Utilities
BILLEW	Electricity billed with water/sewage	Utilities
BILLF	Type of billing for other fuels	Utilities
BILLFE	Other fuels billed with electricity	Utilities
BILLFG	Other fuels billed with gas	Utilities
BILLFO	Other fuels billed with fuel oil	Utilities
BILLFT	Other fuels billed with garbage/trash	Utilities
BILLFW	Other fuels billed with water/sewage	Utilities
BILLG	Type of billing for gas	Utilities
BILLGE	Gas billed with electricity	Utilities
BILLGF	Gas billed with fuel oil	Utilities
BILLGO	Gas billed with other fuels	Utilities
BILLGT	Gas billed with garbage/trash	Utilities
BILLGW	Gas billed with water/sewage	Utilities
BILLO	Type of billing for fuel oil	Utilities
BILLOE	Fuel oil billed with electricity	Utilities
BILLOF	Fuel oil billed with other fuels	Utilities
BILLOG	Fuel oil billed with gas	Utilities
BILLOT	Fuel oil billed with garbage/trash	Utilities
BILLOW	Fuel oil billed with water/sewage	Utilities

BILLT	Type of billing for garbage & trash	Utilities
BILLTE	Garbage/trash billed with electricity	Utilities
BILLTF	Garbage/trash billed with other fuels	Utilities
BILLTG	Garbage/trash billed with gas	Utilities
BILLTO	Garbage/trash billed with fuel oil	Utilities
BILLTW	Garbage/trash billed with water/sewage	Utilities
BILLW	Type of billing for water & sewage	Utilities
BILLWE	Water/sewage billed with electricity	Utilities
BILLWF	Water/sewage billed with other fuels	Utilities
BILLWG	Water/sewage billed with gas	Utilities
BILLWO	Water/sewage billed with fuel oil	Utilities
BILLWT	Water/sewage billed with garbage/trash	Utilities
BUYE	Pay for electricity separately	Utilities
BUYE2	Pay for electricity separately	Utilities
BUYF	Pay for other fuels separately	Utilities
BUYF2	Pay for other fuels separately	Utilities
BUYG	Pay for gas separately	Utilities
BUYG2	Pay for gas separately	Utilities
BUYO	Pay for fuel oil separately	Utilities
BUYO2	Pay for fuel oil separately	Utilities
CFUEL	Fuel used most for cooking	Utilities
COKST	Cook stove used as supplemental heating equipment	Utilities
DAFUR	Forced air furnace - DK if supplemental/parallel	Utilities
DCOKST	Cookstove - DK if supplemental/parallel heat equipment	Utilities
DEGREE	Average heating/cooling degree days	Utilities
DELECT	Built-in electric unit-DK if supplemental/parallel	Utilities
DFLOT	Vented room heater - DK if supplemental/parallel	Utilities
DFRPL	Fireplace w/out inserts-DK supplemental/parallel	Utilities
DFRPLI	Fireplace w/ inserts-DK if supplemental/parallel	Utilities
DFUEL	Fuel used by clothes dryer	Utilities
DHOTH	Other type of heat equipment-DK if supplemental/parallel	Utilities
DHPMP	Heat pump - DK is supplemental/parallel heat equipment	Utilities
DPLF	Pipeless furnace - DK if supplemental/parallel	Utilities
ELECT	Electrical units used as supplemental heat equipment	Utilities
FAFUR	Fuel used by forced warm-air furnace	Utilities
FCOKST	Fuel used by cookstove	Utilities
FELECT	Fuel used by built-in electric units	Utilities
FFLIN	Fuel used by unvented room heaters	Utilities
FFLOT	Fuel used by vented room heaters	Utilities
FFRPL	Fuel used by fireplace without inserts	Utilities

FFRPLI	Fuel used by fireplace with inserts	Utilities
FHOTH	Fuel used by other supplemental heating equipment	Utilities
FHPMP	Fuel used by electric heat pump	Utilities
FLIN	Heating equipment not vented to outside	Utilities
FPLF	Fuel used by built-in pipeless furnace	Utilities
FPORTH	Fuel used by portable electric heaters	Utilities
FSTEAM	Fuel used by steam/hot water system	Utilities
FSTOVE	Fuel used by woodburning/franklin stove	Utilities
GASPI2	Source of gas heat for vacant units	Utilities
GASPIP	Gas from underground pipes or bottles	Utilities
HEQUIP	Main heating equipment	Utilities
HFUEL	Fuel used most for heating unit	Utilities
HOTH	Other equipment used as supplemental heating equipment	Utilities
HPMP	Heat pump used as supplemental heating equipment	Utilities
NONE	No supplemental heating equipment	Utilities
OAFUEL	Fuel used by other central a/c unit	Utilities
PAFUR	Forced air furnace is parallel supplemental equipment	Utilities
PCOKST	Cookstove is parallel supplemental heating equipment	Utilities
PELECT	Built-in electric unit is parallel equipment	Utilities
PFLOT	Vented room heater is parallel supplemental equipment	Utilities
PFRPL	Fireplace without inserts is parallel equipment	Utilities
PFRPLI	Fireplace w/ inserts is parallel equipment	Utilities
PHOTH	Some other type is parallel supplemental equipment	Utilities
PHPMP	Heat pump is parallel supplemental equipment	Utilities
PLF	Pipeless furnace used as supplemental heating equipment	Utilities
PORTH	Portable heaters used as supplemental heating equipment	Utilities
PPLF	Pipeless furnace is parallel supplemental equipment	Utilities
PSTEAM	Steam/hot water system is parallel equipment	Utilities
PSTOVE	Woodburning stove is parallel supplemental equipment	Utilities
SAFUR	Forced air furnace is supplemental heating equipment	Utilities
SCOAL	Supplemental heating equipment uses coal/coke	Utilities
SCOKST	Cookstove is supplemental heating equipment	Utilities
SELECT	Built-in electric units are supplemental heat equipment	Utilities
SFLIN	Unvented room heaters are supplemental heat equipment	Utilities
SFLOT	Vented room heaters are supplemental heat equipment	Utilities
SFRPL	Fireplace without inserts is supplemental equipment	Utilities
SFRPLI	Fireplace w/ inserts is supplemental heat equipment	Utilities
SGAS	Supplemental heating equipment uses gas	Utilities
SHOTH	Some other type is supplemental heating equipment	Utilities
SHPMP	Heat pump is supplemental heating equipment	Utilities

SJUICE	Supplemental heating equipment uses electricity	Utilities
SKERO	Supplemental heating equipment uses kerosene	Utilities
SOIL	Supplemental heating equipment uses fuel oil	Utilities
SOTHER	Supplemental heating equipment uses other fuel	Utilities
SPLF	Pipeless furnace is supplemental heating equipment	Utilities
SPORTH	Portable heaters are supplemental heating equipment	Utilities
SSTEAM	Steam/hot water system is supplemental heat equipment	Utilities
SSTOVE	Woodburning stove is supplemental heating equipment	Utilities
SSUN	Supplemental heating equipment uses solar energy	Utilities
STOVE	Wood stove used as supplemental heating equipment	Utilities
SWOOD	Supplemental heating equipment uses wood	Utilities
USEGAS	Household uses gas	Utilities
USELECT	Household uses electricity	Utiliites
USEOIL	Household uses oil	Utilities
USEOTHR	Household uses other fuels	Utilities
WFUEL	Fuel used most to heat water	Utilities
ALMV	All movers lived in same previous residence	Recent Movers
FAMGRP	Family mover group	Recent Movers
HHMOVE	Year householder moved in	Recent Movers
HHMOVM	Month householder moved in	Recent Movers
HHMVG	Recent mover group of householder	Recent Movers
HUHIS	What happened to the old unit	Recent Movers
LISCH	Any changes to apartment in last 2 years	Recent Movers
MOVE	Year person moved in	Recent Movers
MOVGRP	Recent mover group	Recent Movers
MOVM	Month person moved in	Recent Movers
MVCNT1	Number of people in mover group #1	Recent Movers
MVCNT2	Number of people in mover group #2	Recent Movers
MVCNT3	Number of people in mover group #3	Recent Movers
MVG	Recent mover group	Recent Movers
NLBSY	Stopped looking at homes - too busy	Recent Movers
NLHPPY	Stopped looking - happy with this unit	Recent Movers
NLMOBL	Stopped looking - had trouble traveling	Recent Movers
NLMOV	Stopped looking - had to move quickly	Recent Movers
NLNLIK	Stopped looking - don't like looking	Recent Movers
NLNPR	Stopped looking for no particular reason	Recent Movers
NLOTHR	Stopped looking for some other reason	Recent Movers
NLUNK	Stopped looking - didn't know of others	Recent Movers
NUMHS	# homes looked at before choosing this one	Recent Movers

PMOVM	Month of previous move before this one	Recent Movers
PMOVYR	Year of previous move before this one	Recent Movers
RMOV	Mover group number	Recent Movers
TLRMOV	Number of people moved into unit in last 2 years	Recent Movers
WHAVL	Liked unit because only one available	Recent Movers
WHDSN	Liked unit because of room layout/design	Recent Movers
WHEXT	Liked unit because of exterior appearance	Recent Movers
WHFIN	Liked unit for financial reasons	Recent Movers
WHKIT	Liked unit because of kitchen	Recent Movers
WHOTH	Liked unit for other reasons	Recent Movers
WHQUL	Liked unit because of construction quality	Recent Movers
WHSIZ	Liked unit because of size	Recent Movers
WHYMOVE	Main reason moved	Recent Movers
WHYRD	Liked unit because of yard/trees/view	Recent Movers
WHYTOH	Main reason this unit was chosen	Recent Movers
WHYTON	Main reason this neighborhood was chosen	Recent Movers
WMCHEP	Moved here for less expensive rent/maintenance	Recent Movers
WMCHTN	Moved here to own not rent or vice versa	Recent Movers
WMCLOS	Moved to be closer to work/school/other	Recent Movers
WMCNDO	Moved because unit was going condo/co-op	Recent Movers
WMDISL	Moved because of disaster loss	Recent Movers
WMEVIC	Main reason for moving - eviction	Recent Movers
WMFAML	Moved for other family/personal reasons	Recent Movers
WMFEMP	Moved for other financial/employment reasons	Recent Movers
WMGOVP	Moved because government using land/unit	Recent Movers
WMGOVT	Force to move by government	Recent Movers
WMHOUS	Moved for other housing related reasons	Recent Movers
WMJOBS	Moved for new job or job transfer	Recent Movers
WMLARG	Moved because needed larger unit	Recent Movers
WMMARR	Moved because of marital status change	Recent Movers
WMNFIT	Moved because unit was condemned	Recent Movers
WMONHH	Moved to establish own household	Recent Movers
WMOTHR	Moved for some other reason	Recent Movers
WMOWNR	Moved because owner taking over unit	Recent Movers
WMPRIV	Moved cause private company/person wants unit	Recent Movers
WMQUAL	Moved to obtain higher quality unit	Recent Movers
WMREPR	Moved because unit closed for repairs	Recent Movers
WNFUN	Chose neighborhood for close leisure activity	Recent Movers
WNHOME	Chose neighborhood because of unit	Recent Movers
WNJOB	Chose neighborhood because close to work	Recent Movers

WNLOOK	Chose neighborhood for its looks/design	Recent Movers
WNOTHR	Chose neighborhood for other reasons	Recent Movers
WNPEPL	Chose neighborhood since close to friends/family	Recent Movers
WNSCH	Chose neighborhood because of good schools	Recent Movers
WNSRV	Chose neighborhood for other public services	Recent Movers
WNTRAN	Chose neighborhood since close to Public trans.	Recent Movers
XCOND	Previous residence was condo/co-op	Recent Movers
XCOOP	Previous residence was a cooperative	Recent Movers
XCOST	Current housing costs same as old unit	Recent Movers
XHEAD	Previous unit owned/rented by one who moved here	Recent Movers
XHRATE	Current unit better/worse than old unit	Recent Movers
XINUS	Previous residence outside United States	Recent Movers
XNRATE	Current neighborhood better/worse than old one	Recent Movers
XPER	# people living in last unit before move	Recent Movers
XREL	Previous unit owner/rented by relative	Recent Movers
XTEN	Tenure of previous residence	Recent Movers
XUNIT	Type of unit of previous residence	Recent Movers
AMPM	Time usually leave for work - am or pm	Commuting
CARS	Number of cars kept for use by household members	Commuting
DISTJ	Number of miles traveled to work	Commuting
HJOB	Reports to work at same place each day	Commuting
PASS	Number of passengers in carpool	Commuting
TIMEJ	Length of trip to work	Commuting
TIMETRN	Travel time to nearest bus stop, train station, or subway stop	Commuting
TRAN	Method of transportation to work	Commuting
TRN	Is the public transportation satisfactory?	Commuting
TRUCKS	Number of vans or trucks for household use	Commuting
USETRN	Someone in household uses Public transportation	Commuting
VEHCL	Drive to work alone or with others	Commuting
WTIME	Time usually leave for work	Commuting
ANCHOR	Method used to anchor mobile home	Mobile Homes
CAMF	Frequency of assoc/mobile home park fee	Mobile Homes
CAMFQ	Frequency of assoc/mobile home park fee	Mobile Homes
FRSIT	First site mobile home ever placed on	Mobile Homes
IFOTHF	Other mobile home fees required	Mobile Homes
MH41	Model year of 1st mobile home used for living quarters	Mobile Homes
MH42	Model year of 2nd mobile home used for living quarters	Mobile Homes
MH43	Model year of 3rd mobile home used for living quarters	Mobile Homes

MH44	Model year of 4th mobile home used for living quarters	Mobile Homes
MH45	Model year of 5th mobile home used for living quarters	Mobile Homes
MHGONE	Old mobile home gone	Mobile Homes
MHSETQ	Type of mobile home foundation	Mobile Homes
MHSTAY	Mobile home to stay or be moved	Mobile Homes
TPARK	Number of mobile homes in group	Mobile Homes
BEAF78	Unit built before/after 1978	Lead Based Paint
BIGP	Area of peeling paint larger than 8 x 11	Lead Based Paint
BIGPEL	Peeling paint outside larger than door	Lead Based Paint
EVRTES	Unit ever tested for lead paint	Lead Based Paint
LDMAYB	Seller/agent said lead paint possible	Lead Based Paint
LDTEST	Unit tested for lead paint	Lead Based Paint
MUSTEL	Knew you must be told about lead paint	Lead Based Paint
OUTPEL	Outside paint peeling or flaking	Lead Based Paint
OUTPNT	Any part of outside of unit painted	Lead Based Paint
PAPHLT	Received pamphlet about lead paint	Lead Based Paint
PEELAM	Number of other rooms with peeling paint	Lead Based Paint
PEELSZ	Size of area of peeling/flaking paint	Lead Based Paint
SMPEEL	Peeling paint more/less than 1/2 door	Lead Based Paint
SNDPNT	Old paint sanded or scraped	Lead Based Paint
TPBPAI	Unit tested for lead paint before purchase	Lead Based Paint
TPBPIP	Lead pipes inspected before purchase	Lead Based Paint
TPBSOL	Lead solder inspected before purchase	Lead Based Paint
APTAD	Space added to apartment	Upgrade and Remodeling
APTCH	Type of change to apartment	Upgrade and Remodeling
APTCM	Apartment combined with other apartment	Upgrade and Remodeling
APTSP	Apartment split into several apartments	Upgrade and Remodeling
CABNX	Number of cabinets replaced/repaired	Upgrade and Remodeling
CABREP	Replaced/repaired any cabinets in unit	Upgrade and Remodeling
DOORX	Number of doors replaced/repaired	Upgrade and Remodeling
RAC	Cost of replacements/additions to unit	Upgrade and Remodeling
RAD	Cost of alteration/repair	Upgrade and Remodeling
RAH	Household member performed alteration/repair	Upgrade and Remodeling
RAN	Number of replacements/additions made to unit	Upgrade and Remodeling
RAS	Type of alteration/repair - 1999 version	Upgrade and Remodeling
RAW	Alteration/repair is addition/replacement	Upgrade and Remodeling
RAY	Year alteration/repair completed	Upgrade and Remodeling
SUBFIX	Household got government loan/grant for alterations	Upgrade and Remodeling

USFCAM	Amount of square foot change in unit	Upgrade and Remodeling
USFCHG	Change in square footage of unit	Upgrade and Remodeling
WALLX	# inside walls/ceilings repaired/replaced	Upgrade and Remodeling
WALREP	Inside walls/ceilings repaired/replaced	Upgrade and Remodeling
WINREP	Windows repaired or replaced	Upgrade and Remodeling
WINX	Number of windows repaired or replaced	Upgrade and Remodeling
JAFUEL	Edit flag for AFUEL	Allocation Variables
JAGE	Edit flag for AGE	Allocation Variables
JAIR	Edit flag for AIR	Allocation Variables
JALMV	Edit flag for ALMV	Allocation Variables
JAMEDU	Edit flag for SAMEDU	Allocation Variables
JAMRTZ	Edit flag for AMRTZ	Allocation Variables
JAMTE	Edit flag for AMTE	Allocation Variables
JAMTF	Edit flag for AMTF	Allocation Variables
JAMTG	Edit flag for AMTG	Allocation Variables
JAMTI	Edit flag for AMTI	Allocation Variables
JAMTM	Edit flag for AMTM	Allocation Variables
JAMTM2	Edit flag for AMTM2	Allocation Variables
JAMTO	Edit flag for AMTO	Allocation Variables
JAMTT	Edit flag for AMTT	Allocation Variables
JAMTW	Edit flag for AMTW	Allocation Variables
JANPMT	Edit flag for LANPMT	Allocation Variables
JANVAR	Edit flag for CANVAR	Allocation Variables
JANVR2	Edit flag for CANVR2	Allocation Variables
JAPPLY	Edit flag for APPLY	Allocation Variables
JARAGE	Edit flag for GARAGE	Allocation Variables
JARSYS	Edit flag for OARSYS	Allocation Variables
JASPI2	Edit flag for GASPI2	Allocation Variables
JASPIP	Edit flag for GASPIP	Allocation Variables
JATBUY	Edit flag for MATBUY	Allocation Variables
JATBY2	Edit flag for MATBY2	Allocation Variables
JATERS	Edit flag for WATERS	Allocation Variables
JATVTY	Edit flag for NATVTY	Allocation Variables
JAUNDY	Edit flag for LAUNDY	Allocation Variables
JBANK	Edit flag for BANK	Allocation Variables
JBANK2	Edit flag for BANK2	Allocation Variables
JBATHS	Edit flag for BATHS	Allocation Variables
JBEDX	Edit flag for BEDX	Allocation Variables
JBIGP	Edit flag for BIGP	Allocation Variables

JBILLE	Edit flag for BILLE	Allcoation Variables
JBILLF	Edit flag for BILLF	Allocation Variables
JBILLG	Edit flag for BILLG	Allocation Variables
JBILLO	Edit flag for BILLO	Allocation Variables
JBILLT	Edit flag for BILLT	Allocation Variables
JBILLW	Edit flag for BILLW	Allocation Variables
JBLON2	Edit flag for BLOON2	Allocation Variables
JBLOON	Edit flag for BLOON	Allocation Variables
JBSINK	Edit flag for BSINK	Allocation Variables
JBUILT	Edit flag for BUILT	Allocation Variables
JBUSIN	Edit flag for BUSIN	Allocation Variables
JBUYE	Edit flag for BUYE	Allocation Variables
JBUYE2	Edit flag for BUYE2	Allocation Variables
JBUYF	Edit flag for BUYF	Allocation Variables
JBUYF2	Edit flag for BUYF2	Allocation Variables
JBUYG	Edit flag for BUYG	Allocation Variables
JBUYG2	Edit flag for BUYG2	Allocation Variables
JBUYI	Edit flag for BUYI	Allocation Variables
JBUYO	Edit flag for BUYO	Allocation Variables
JBUYO2	Edit flag for BUYO2	Allocation Variables
JBUYT	Edit flag for BUYT	Allocation Variables
JBUYT2	Edit flag for BUYT2	Allocation Variables
JBUYW	Edit flag for BUYW	Allocation Variables
JBUYW2	Edit flag for BUYW2	Allocation Variables
JCARS	Edit flag for CARS	Allocation Variables
JCCESS	Edit flag for ACCESS	Allocation Variables
JCFUEL	Edit flag for CFUEL	Allocation Variables
JCLIMB	Edit flag for CLIMB	Allocation Variables
JCNTRL	Edit flag for RCNTRL	Allocation Variables
JCONDO	Edit flag for CONDO	Allocation Variables
JCOOK	Edit flag for COOK	Allocation Variables
JCPRIC	Edit flag for CPRICE	Allocation Variables
JDAFUR	Edit flag for DAFUR	Allocation Variables
JDATE	Edit flag for DATE	Allocation Variables
JDCOOK	Edit flag for DCOKST	Allocation Variables
JDELEC	Edit flag for DELEC	Allocation Variables
JDENS	Edit flag for DENS	Allocation Variables
JDFLIN	Edit flag for DFLIN	Allocation Variables
JDFLOT	Edit flag for DFLOT	Allocation Variables
JDFPLI	Edit flag for DFRPLI	Allocation Variables

JDFRPL	Edit flag for DFRPL	Allocation Variables
JDFUEL	Edit flag for DFUEL	Allocation Variables
JDHOTH	Edit flag for DHOTH	Allocation Variables
JDHPMP	Edit flag for DHPMP	Allocation Variables
JDIRAC	Edit flag for ODIRAC	Allocation Variables
JDISH	Edit flag for DISH	Allocation Variables
JDISPL	Edit flag for DISPL	Allocation Variables
JDISTJ	Edit flag for DISTJ	Allocation Variables
JDPLF	Edit flag for DPLF	Allocation Variables
JDPORH	Edit flag for DFORTH	Allocation Variables
JDRY	Edit flag for DRY	Allocation Variables
JDSTEA	Edit flag for DSTEAM	Allocation Variables
JDSTOV	Edit flag for DSTOVE	Allocation Variables
JEDRMS	Edit flag for BEDRMS	Allocation Variables
JEELAM	Edit flag for PEELAM	Allocation Variables
JEGMOR	Edit flag for REGMOR	Allocation Variables
JELDUS	Edit flag for WELDUS	Allocation Variables
JELEV	Edit flag for ELEV	Allocation Variables
JELLAR	Edit flag for CELLAR	Allocation Variables
JELUMN	Edit flag for HELUMN	Allocation Variables
JELUMP	Edit flag for HELUMP	Allocation Variables
JENURE	Edit flag for TENURE	Allocation Variables
JEQUIP	Edit flag for HEQUIP	Allocation Variables
JESMOR	Edit flag for RESMOR	Allocation Variables
JESMR2	Edit flag for RESMR2	Allocation Variables
JEVROD	Edit flag for EVROD	Allocation Variables
JEWDIS	Edit flag for SEWDIS	Allocation Variables
JEWDUS	Edit flag for SEWDUS	Allocation Variables
JEWMOR	Edit flag for NEWMOR	Allocation Variables
JEWMR2	Edit flag for NEWMR2	Allocation Variables
JEXCLU	Edit flag for KEXCLU	Allocation Variables
JFAFUR	Edit flag for FAFUR	Allocation Variables
JFAMRM	Edit flag for FAMRM	Allocation Variables
JFARM2	Edit flag for MFARM2	Allocation Variables
JFBLOW	Edit flag for IFBLOW	Allocation Variables
JFCOLD	Edit flag for IFCOLD	Allocation Variables
JFCOOK	Edit flag for FCOKST	Allocation Variables
JFELEC	Edit flag for FELECT	Allocation Variables
JFFLIN	Edit flag for FFLIN	Allocation Variables
JFFLOT	Edit flag for FFLOT	Allocation Variables

JFFPLI	Edit flag for FFRPLI	Allocation Variables
JFFRPL	Edit flag for FFRPL	Allocation Variables
JFHOTH	Edit flag for FHOTH	Allocation Variables
JFHPMP	Edit flag for FHPMP	Allocation Variables
JFOTHF	Edit flag for IFOTHF	Allocation Variables
JFPLF	Edit flag for FPLF	Allocation Variables
JFPLWK	Edit flag for FPLWK	Allocation Variables
JFPORH	Edit flag for FPORTH	Allocation Variables
JFRENT	Edit flag for FRENT	Allocation Variables
JFSTEA	Edit flag for FSTEAM	Allocation Variables
JFSTOV	Edit flag for FSTOVE	Allocation Variables
JGRAD	Edit flag for GRAD	Allocation Variables
JHALFB	Edit flag for HALFB	Allocation Variables
JHARAT	Edit flag for SHARAT	Allocation Variables
JHARFR	Edit flag for SHARFR	Allocation Variables
JHARPF	Edit flag for SHARPF	Allocation Variables
JHERE	Edit flag for HERE	Allocation Variables
JHFUEL	Edit flag for HFUEL	Allocation Variables
JHHAGE	Edit flag for HHAGE	Allocation Variables
JHHATVTY	Edit flag for HHNATVTY	Allocation Variables
JHHGRAD	Edit flag for HHGRAD	Allocation Variables
JHHITSHP	Edit flag for HHCITSHP	Allocation Variables
JHHMAR	Edit flag for HHMAR	Allocation Variables
JHHMOVE	Edit flag for HHMOVE	Allocation Variables
JHHMOVM	Edit flag for HHMOVM	Allocation Variables
JHHMVG	Edit flag for HHMVG	Allocation Variables
JHHNUSYR	Edit flag for HHINUSYR	Allocation Variables
JHHRACE	Edit flag for HHRACE	Allocation Variables
JHHREL	Edit flag for HHREL	Allocation Variables
JHHSEX	Edit flag for HHSEX	Allocation Variables
JHHSPAN	Edit flag for HHSPAN	Allocation Variables
JHHSPOS	Edit flag for HHSPOS	Allocation Variables
JHNGET	Edit flag for WHNGET	Allocation Variables
JHOLES	Edit flag for HOLES	Allocation Variables
JHOTFE	Edit flag for MHOTFE	Allocation Variables
JHSTAY	Edit flag for MHSTAY	Allocation Variables
JHYMOV	Edit flag for WHYMOVE	Allocation Variables
JHYTOH	Edit flag for WHYTOH	Allocation Variables
JHYTON	Edit flag for WHYTON	Allocation Variables
JIFDRY	Edit flag for IFDRY	Allocation Variables

JIFFEE	Edit flag for IFFEE	Allocation Variables
JIFSEW	Edit flag for IFSEW	Allocation Variables
JIFTLT	Edit flag for IFTLT	Allocation Variables
JILEAK	Edit flag for ILEAK	Allocation Variables
JILLEF	Edit flag for BILLEF	Allocation Variables
JILLEG	Edit flag for BILLEG	Allocation Variables
JILLEO	Edit flag for BILLEO	Allocation Variables
JILLET	Edit flag for BILLET	Allocation Variables
JILLEW	Edit flag for BILLEW	Allocation Variables
JILLFE	Edit flag for BILLFE	Allocation Variables
JILLFG	Edit flag for BILLFG	Allocation Variables
JILLFO	Edit flag for BILLFO	Allocation Variables
JILLFT	Edit flag for BILLFT	Allocation Variables
JILLFW	Edit flag for BILLFW	Allocation Variables
JILLGE	Edit flag for BILLGE	Allocation Variables
JILLGF	Edit flag for BILLGF	Allocation Variables
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JILLGT	Edit flag for BILLGT	Allocation Variables
JILLGW	Edit flag for BILLGW	Allocation Variables
JILLOE	Edit flag for BILLOE	Allocation Variables
JILLOF	Edit flag for BILLOF	Allocation Variables
JILLOG	Edit flag for BILLOG	Allocation Variables
JILLOT	Edit flag for BILLOT	Allocation Variables
JILLOW	Edit flag for BILLOW	Allocation Variables
JILLTE	Edit flag for BILLTE	Allocation Variables
JILLTF	Edit flag for BILLTF	Allocation Variables
JILLTG	Edit flag for BILLTG	Allocation Variables
JILLTO	Edit flag for BILLTO	Allocation Variables
JILLTW	Edit flag for BILLTW	Allocation Variables
JILLWE	Edit flag for BILLWE	Allocation Variables
JILLWF	Edit flag for BILLWF	Allocation Variables
JILLWG	Edit flag for BILLWG	Allocation Variables
JILLWO	Edit flag for BILLWO	Allocation Variables
JILLWT	Edit flag for BILLWT	Allocation Variables
JIMSHR	Edit flag for TIMSHR	Allocation Variables
JINCO2	Edit flag for PINCO2	Allocation Variables
JINCOP	Edit flag for PINCOP	Allocation Variables
JINCS	Edit flag for INCS	Allocation Variables
JINING	Edit flag for DINING	Allocation Variables
JINTF	Edit flag for INTF	Allocation Variables

JINTF2	Edit flag for INTF2	Allocation Variables
JINTW	Edit flag for INTW	Allocation Variables
JINTW2	Edit flag for INTW2	Allocation Variables
JIRSYS	Edit flag for AIRSYS	Allocation Variables
JITSHP	Edit flag for CITSHP	Allocation Variables
JIVING	Edit flag for LIVING	Allocation Variables
JKITCH	Edit flag for KITCH	Allocation Variables
JLEAK	Edit flag for LEAK	Allocation Variables
JLINE1	Edit flag for DLINE1	Allocation Variables
JLOORS	Edit flag for FLOORS	Allocation Variables
JLOT	Edit flag for LOT	Allocation Variables
JLPRIC	Edit flag for LPRICE	Allocation Variables
JLRENT	Edit flag for LRENT	Allocation Variables
JLT25K	Edit flag for LT25K	Allocation Variables
JM3ROD	Edit flag for M3ROD	Allocation Variables
JMAMT2	Edit Flag for PMAMT2	Allocation Variables
JMAR	Edit flag for MAR	Allocation Variables
JMARKT	Edit flag for MARKT	Allocation Variables
JMCHEP	Edit flag for WMCHEP	Allocation Variables
JMCHTN	Edit flag for WMCHTN	Allocation Variables
JMCLOS	Edit flag for WMCLOS	Allocation Variables
JMCNDO	Edit flag for WMCNDO	Allocation Variables
JMCNT	Edit flag for MCNT	Allocation Variables
JMCOM	Edit flag for MCOM	Allocation Variables
JMCOM2	Edit flag for MCOM2	Allocation Variables
JMDISL	Edit flag for WMDISL	Allocation Variables
JMEVIC	Edit flag for WMEVIC	Allocation Variables
JMFAML	Edit flag for WMFAML	Allocation Variables
JMFARM	Edit flag for MFARM	Allocation Variables
JMFEMP	Edit flag for WMFEMP	Allocation Variables
JMG	Edit flag for MG	Allocation Variables
JMGOVP	Edit flag for WMGOVP	Allocation Variables
JMGOVT	Edit flag for WMGOVT	Allocation Variables
JMHOUS	Edit flag for WMHOUS	Allocation Variables
JMIAMT	Edit flag for PMIAMT	Allocation Variables
JMICE	Edit flag for MICE	Allocation Variables
JMIPMT	Edit flag for PMIPMT	Allocation Variables
JMJOBS	Edit flag for WMJOBS	Allocation Variables
JMLARG	Edit flag for WMLARG	Allocation Variables
JMMARR	Edit flag for WMMARR	Allocation Variables

JMMORT	Edit flag for AMMORT	Allocation Variables
JMMRT2	Edit flag for AMMRT2	Allocation Variables
JMMRT3	Edit flag for AMMRT3	Allocation Variables
JMMRT4	Edit flag for AMMRT4	Allocation Variables
JMONHH	Edit flag for WMONHH	Allocation Variables
JMOTHR	Edit flag for WMOTHR	Allocation Variables
JMOVAC	Edit flag for MOVAC	Allocation Variables
JMOVE	Edit flag for MOVE	Allocation Variables
JMOVM	Edit flag for MOVM	Allocation Variables
JMOWNR	Edit flag for WMOWNR	Allocation Variables
JMPMT2	Edit flag for PMPMT2	Allocation Variables
JMPRIV	Edit flag for WMPRIV	Allocation Variables
JMQUAL	Edit flag for WMQUAL	Allocation Variables
JMRTZ2	Edit flag for AMRTZ2	Allocation Variables
JMVG	Edit flag for MVG	Allocation Variables
JNFEEQ	Edit flag for CONFEEQ	Allocation Variables
JNHOME	Edit flag for WNHOME	Allocation Variables
JNITSF	Edit flag for UNITSF	Allocation Variables
JNLOOK	Edit flag for WNLOOK	Allocation Variables
JNOOTH	Edit flag for NOOTHRM	Allocation Variables
JNOTHR	Edit flag for WNOTHR	Allocation Variables
JNPEPL	Edit flag for WNPEPL	Allocation Variables
JNTRAN	Edit flag for WNTRAN	Allocation Variables
JNUSYR	Edit flag for INUSYR	Allocation Variables
JNYCAR	Edit flag for ANYCAR	Allocation Variables
JNYRUG	Edit flag for ANYRUG	Allocation Variables
JOAFUE	Edit flag for OAFUEL	Allocation Variables
JOILET	Edit flag for TOILET	Allocation Variables
JOOMSA	Edit flag for ROOMSA	Allocation Variables
JOPERM	Edit flag for MOPERM	Allocation Variables
JORTIN	Edit flag for MORTINS	Allocation Variables
JORTN2	Edit flag for MORTN2	Allocation Variables
JOTHFN	Edit flag for OTHFN	Allocation Variables
JOTPIP	Edit flag for HOTPIP	Allocation Variables
JOTSUR	Edit flag for NOTSUR	Allocation Variables
JOVEN	Edit flag for OVEN	Allocation Variables
JOVGRP	Edit flag for MOVGRP	Allocation Variables
JOWIRE	Edit flag for NOWIRE	Allocation Variables
JPAR	Edit flag for PAR	Allocation Variables
JPASS	Edit flag for PASS	Allocation Variables

JPLUGS	Edit flag for PLUGS	Allocation Variables
JPMOVM	Edit flag for PMOVM	Allocation Variables
JPMT	Edit flag for PMT	Allocation Variables
JPMT2	Edit flag for PMT2	Allocation Variables
JPMT3	Edit flag for PMT3	Allocation Variables
JPMT4	Edit flag for PMT4	Allocation Variables
JPMVYR	Edit flag for PMOVYR	Allocation Variables
JPORCH	Edit flag for PORCH	Allocation Variables
JPQALIM	Edit flag for PQALIM	Allocation Variables
JPQDIV	Edit flag for PQDIC	Allocation Variables
JPQIDRI	Edit flag for PQIDRI	Allocation Variables
JPQINT	Edit flag for PQINT	Allocation Variables
JPQOTALM	Edit flag for PQOTALM	Allocation Variables
JPQOTHER	Edit flag for PQOTHER	Allocation Variables
JPQOTHNR	Edit flag for PQOTHNR	Allocation Variables
JPQRENT	Edit flag for PQRENT	Allocation Variables
JPQIDRI	Edit flag for PQIDRI	Allocation Variables
JPQOTALM	Edit flag for PQOTALM	Allocation Variables
JPQOTHNR	Edit flag for PQOTHNR	Allocation Variables
JPQRETIR	Edit flag for PQRETIR	Allocation Variables
JPQSAL	Edit flag for PQSAL	Allocation Variables
JPQSALNR	Edit flag for PQSALNR	Allocation Variables
JPQSELF	Edit flag for PQSELF	Allocation Variables
JPQSELFN	Edit flag for PQSELFN	Allocation Variables
JPQSLFNR	Edit flag for PQSELFNR	Allocation Variables
JPQSS	Edit flag for PQSS	Allocation Variables
JPQSSI	Edit flag for PQSSI	Allocation Variables
JPQWELF	Edit flag for PQWELF	Allocation Variables
JPQWKCMP	Edit flag for PQWKCMP	Allocation Variables
JPRENT	Edit flag for PRENT	Allocation Variables
JPROJ	Edit flag for PROJ	Allocation Variables
JPVALU	Edit flag for PVALUE	Allocation Variables
JPVOTHER	Edit flag for PVOTHER	Allocation Variables
JQALIM	Edit flag for QALIM	Allocation Variables
JQBUS	Edit flag for QBUS	Allocation Variables
JQDIV	Edit flag for QDIV	Allocation Variables
JQIDRI	Edit flag for QIDRI	Allocation Variables
JQINT	Edit flag for QINT	Allocation Variables
JQOTALM	Edit flag for QOTALM	Allocation Variables
JQOTHER	Edit flag for QOTHER	Allocation Variables

JQRENT	Edit flag for QRENT	Allocation Variables
JQRETIR	Edit flag for QRETIR	Allocation Variables
JQSELF	Edit flag for QSELF	Allocation Variables
JQSS	Edit flag for QSS	Allocation Variables
JQSSI	Edit flag for QSSI	Allocation Variables
JQWELF	Edit flag for QWELF	Allocation Variables
JQWKCMP	Edit flag for QWKCMP	Allocation Variables
JRACE	Edit flag for RACE	Allocation Variables
JRACKS	Edit flag for CRACKS	Allocation Variables
JRAS	Edit flag for RAS	Allocation Variables
JRATS	Edit flag for RATS	Allocation Variables
JRECRM	Edit flag for RECRM	Allocation Variables
JREEZE	Edit flag for FREEZE	Allocation Variables
JREFI	Edit flag for REFI	Allocation Variables
JREFI2	Edit flag for REFI2	Allocation Variables
JREFR	Edit flag for REFR	Allocation Variables
JREL	Edit flag for REL	Allocation Variables
JRENEW	Edit flag for RENEW	Allocation Variables
JRENT	Edit flag for RENT	Allocation Variables
JREUAD	Edit flag for REUAD	Allocation Variables
JRMOR2	Edit flag for YRMOR2	Allocation Variables
JROPSL	Edit flag for CROPSL	Allocation Variables
JRSHOP	Edit flag for DRSHOP	Allocation Variables
JRSTHO	Edit flag for FRSTHO	Allocation Variables
JRSTOC	Edit flag for FRSTOC	Allocation Variables
JRTYP1	Edit flag for MRTYP1	Allocation Variables
JRTYP2	Edit flag for MRTYP2	Allocation Variables
JRUCKS	Edit flag for TRUCKS	Allocation Variables
JSAL	Edit flag for SAL	Allocation Variables
JSEGAS	Edit flag for USEGAS	Allocation Variables
JSEX	Edit flag for SEX	Allocation Variables
JSFCHG	Edit flag for USFCHG	Allocation Variables
JSFLIN	Edit flag for SFLIN	Allocation Variables
JSINK	Edit flag for SINK	Allocation Variables
JSPAN	Edit flag for SPAN	Allocation Variables
JSPORH	Edit flag for SPORTH	Allocation Variables
JSPOS	Edit flag for SPOS	Allocation Variables
JSTORG	Edit flag for STORG	Allocation Variables
JTBSUN	Edit flag for ATBSUN	Allocation Variables
JTEN	Edit flaf for TEN	Allocation Variables

JTERM	Edit flag for TERM	Allocation Variables
JTERM2	Edit flag for TERM2	Allocation Variables
JTHPMT	Edit flag for OTHPMT	Allocation Variables
JTHRUN	Edit flag for OTHRUN	Allocation Variables
JTIMEJ	Edit flag for TIMEJ	Allocation Variables
JTPARK	Edit flag for TPARK	Allocation Variables
JTPMT2	Edit flag for OTPMT2	Allocation Variables
JTRAN	Edit flag for TRAN	Allocation Variables
JTRASH	Edit flag for TRASH	Allocation Variables
JTUB	Edit flag for TUB	Allocation Variables
JTXRE	Edit flag for TXRE	Allocation Variables
JTYPE	Edit flag for TYPE	Allocation Variables
JUBMOR	Edit flag for SUBMOR	Allocation Variables
JUBMR2	Edit flag for SUBMR2	Allocation Variables
JUBRNT	Edit flag for SUBRNT	Allocation Variables
JUBSEW	Edit flag for PUBSEW	Allocation Variables
JUMAIR	Edit flag for NUMAIR	Allocation Variables
JUMSEW	Edit flag for NUMSEW	Allocation Variables
JUNIT2	Edit flag for NUNIT2	Allocation Variables
JUNITS	Edit flag for NUNITS	Allocation Variables
JURNER	Edit flag for BURNER	Allocation Variables
JUSELECT	Edit flag for USELECT	Allocation Variables
JUSEOIL	Edit flag for USEOIL	Allocation Variables
JUSEOTHR	Edit Flag for USEOTHR	Allocation Variables
JUSPER	Edit flag for BUSPER	Allocation Variables
JVACAN	Edit flag for VACANCY	Allocation Variables
JVALU	Edit flag for VALUE	Allocation Variables
JVARY	Edit flag for VARY	Allocation Variables
JVARY2	Edit flag for VARY2	Allocation Variables
JVCNT1	Edit flag for MVCNT1	Allocation Variables
JVCNT2	Edit flag for MVCNT2	Allocation Variables
JVCNT3	Edit flag for MVCNT3	Allocation Variables
JVEHCL	Edit flag for VEHCL	Allocation Variables
JVOTHER	Edit flag for VOTHER	Allocation Variables
JVOTHER2	Edit flag for VOTHER2	Allocation Variables
JWALLX	Edit flag for WALLX	Allocation Variables
JWASH	Edit flag for WASH	Allocation Variables
JWATER	Edit flag for WATER	Allocation Variables
JWFUEL	Edit flag for WFUEL	Allocation Variables
JWHAVL	Edit flag for WHAVL	Allocation Variables

JWHDSN	Edit flag for WHDSN	Allocation Variables
JWHDY	Edit flag for WHDY	Allocation Variables
JWHEXT	Edit flag for WHEXT	Allocation Variables
JWHFIN	Edit flag for WHFIN	Allocation Variables
JWHHRB	Edit flag for WHHRB	Allocation Variables
JWHHRW	Edit flag for WHHRW	Allocation Variables
JWHKIT	Edit flag for WHKIT	Allocation Variables
JWHOTH	Edit flag for WHOTH	Allocation Variables
JWHQUL	Edit flag for WHQUL	Allocation Variables
JWHSIZ	Edit flag for WHSIZ	Allocation Variables
JWHYRD	Edit flag for WHYRD	Allocation Variables
JWKCMP	Edit flag for QWKCMP	Allocation Variables
JWNFUN	Edit flag for WNFUN	Allocation Variables
JWNHER	Edit flag for OWNHERE	Allocation Variables
JWNJOB	Edit flag for WNJOB	Allocation Variables
JWNLOT	Edit flag for OWNLOT	Allocation Variables
JWNSCH	Edit flag for WNSCH	Allocation Variables
JWNSRV	Edit flag for WNSRV	Allocation Variables
JWTIME	Edit flag for WTIME	Allocation Variables
JXCLUS	Edit flag for EXCLUS	Allocation Variables
JXHEAD	Edit flag for XHEAD	Allocation Variables
JXPER	Edit flag for XPER	Allocation Variables
JXTEN	Edit flag for XTEN	Allocation Variables
JXUNIT	Edit flag for XUNIT	Allocation Variables
JYRMOR	Edit flag for YRMOR	Allocation Variables
JZINCN	Edit flag for ZINCN	Allocation Variables
FMR	Fair market rent (average)	Income Limits
FMRA	Fair market rent (minimum)	Income Limits
FMRB	Fair market rent (maximum)	Income Limits
IPOV	Poverty level income	Income Limits
L30	Extremely low income limit (average)	Income Limits
L30A	Extremely low income limit (minimum)	Income Limits
L30B	Extremely low income limit (maximum)	Income Limits
L50	Very low income limit (average)	Income Limits
L50A	Very low income limit (minimum)	Income Limits
L50B	Very low income limit (maximum)	Income Limits
L80	Low income limit (average)	Income Limits
L80A	Low income limit (minimum)	Income Limits
L80B	Low income limit (maximum)	Income Limits

LMED	Average median income (average)	Income Limits
LMEDA	Average median income (minimum)	Income Limits
LMEDB	Average median income (maximum)	Income Limits

Sample status, weights, interview status

This section documents key variables used in sampling and interviewing in the survey. CONTROL contains the basic case identification number. WEIGHT is the adjusted weight assigned to each case in the sample. Pure weight (PWT) is also provided. The remaining variables provide information on the status of the unit, on various aspects of the interview, on vacant units and non-interviews. These variables include the reasons for vacancy and non-interviews and some descriptions for units, which have been temporarily or definitely removed from the housing stock. A few concepts related to weights, vacancy, merger and conversions are discussed below. Finally, this section deals with the treatment of non-interviews and missing data in the AHS.

Notes:

Merging files
The most important variable for merging is the CONTROL variable. The CONTROL variable in each file contains the 12-digit control code for each housing unit. These codes are unique to each housing unit in the national survey data.

However, for the metropolitan survey data, these codes are only unique to a housing unit within an SMSA. For SAS users, the file-flattening program that can be downloaded with the data uses SMSA CONTROL in the file merging procedures. Users of other statistical programs must use both variables to identify a particular housing unit when writing their own programs to merge files from the metropolitan sample.

New Weight
In December 2002, HUD and Census released a new 2001 national dataset in order to add a variable, WGT90GEO for AHS national records. This new weight is adjusted for 1990 metropolitan geography, as opposed to the standard weight, which is based on 1980 geography. This new weight is provided to allow matching to the printed reports. Both weights sum to national control totals for total units for 2001. Totals for all units will match when computed with both sets of weights, although occupied unit totals and any breakdown do not match. Additional information on how to use the new weight is described in the beginning of the chapter on Sample status, weights, and interview status.

HUD and Census recommend that WGT90GEO, the 1990 geography-based weight, be used only to match numbers from the public use file (PUF) with numbers in the publication at the US and Census region level. For historical comparisons and other analyses, use the 1980 geography-based weights (WEIGHT), as these are comparable to previous publications.

For more details about how weights are computed, see Appendix B of the 2001 AHS National Survey. Also, Table V in Appendix C of that publication compares some key tabulations using the two sets of weights.

Types and Treatment of Missing Data

There are three sources of missing data in the American Housing Survey Database: non-interviewed units, unanswered questions that did not apply to the unit, and unanswered questions that did apply to the unit.

Non-interviewed Units: Units which have missing data because no interview was conducted are identified by the variable ISTATUS (same as STATUS). Interviews do not take place for a variety of reasons, e.g., the unit could not be located by the interviewer, the household could not be reached or refused the interview, or the unit did not qualify as an eligible housing unit. In addition, units which were not part of the original cohort are assigned missing data in the longitudinal file for years before their first interview.

There are three types of Non-interviews:

Type A: The unit is occupied by people eligible for the interview. An interview was attempted but could not be obtained (e.g., no one home, respondent refusal, sample unit cannot be reached because of impassable roads, language problems).

Type B: The unit is not eligible for an interview at present but could become eligible for an interview in the future (e.g., unit currently is for nonresidential use, unoccupied site for mobile home, unit under construction; unit severely damaged by fire, unit is permanent or temporary business or commercial storage, converted to institutional use). Note that vacant units and units occupied entirely by people with URE are not considered non-interviews. Type B non-interviews will be revisited each survey year, and if they become housing units again, they will be interviewed.

Type C: The unit is not eligible for the sample, because it no longer exists or because of sampling, reasons (e.g., unit demolished, disaster loss, house or mobile home moved, unused permit abandoned, merged - not in current sample).

Zero Weighted Units: Users should note that, in addition to non-interview units which have a weight of zero, there are other cases which have data present on the files and have been assigned a weight of zero (see the variable WEIGHT in this section). Theses zero weighted units are:

Units in the neighborhood sample. Each cluster of neighborhoods should be weighted equally with other clusters, to calculate the percent of clusters having a particular trait.

Units accidentally interviewed which should not be in the sample. Use of data from these units would cause misrepresentation in the estimates.

Vacant and URE units which are tents, boats, or are located in transient hotels, which are not considered housing units.

Vacancy Status: A housing unit is vacant if no one is living in it at the time of the interview, unless its occupants are only temporarily absent. In addition, housing units where all the

occupants have a usual residence elsewhere are grouped with vacant units. Vacant housing units are classified as either “seasonal” and “migratory” or “year-round.”

“Seasonal” Units are intended for occupancy during only certain seasons of the year. Included are units intended for recreational use, such as beach cottages and hunting cabins, and vacant units held for herders and loggers.

“Migratory” units are vacant units held for occupancy by migratory labor employed in farm work during the crop season.

“Year-round” units: Vacant housing units are available or intended for occupancy at any time of the year. A unit in a resort area which is usually occupied on a year round basis is considered year-round. A unit used only occasionally throughout the year is also considered year-round.

For “year-round” units, vacancy status is categorized in groups such as:

For rent – Owners of some units offer them for rent. Other owners solicit offers either for rent or for sale. When separate categories for these are not shown, they are both included in for rent, as in the rental vacancy rate.

For sale only – Units “for sale only" are offered for sale, and the owner does not solicit renter-occupants, even though the owner might eventually rent the unit.

Rented or sold – If any money rent has been paid or agreed upon, but the new renter has not moved in as of the date of the interview, or if the unit has recently been sold, but the new owner has not yet moved in, the unit is classified as rented or sold.

Occasional use – These are units held for weekend or other occasional use throughout the year. Second homes may be classified here or as seasonal.

Other vacant – If a vacant year-round unit does not fall into any of the classifications specified in the distribution, it is classified as “other vacant.” For example, this category includes units held for settlement of an estate, units held for occupancy by a caretaker or janitor, and units held for personal reasons of the owner.

URE: These are temporarily occupied by persons with Usual Residence Elsewhere. If all people in a housing unit usually live elsewhere, the unit is classified as vacant. For example, a beach cottage occupied at the time of the interview by a family that has a usual residence in the city is included in the count of vacant units. Their home in the city or the home of a comparable vacationing family also can be in the AHS sample and would be reported as occupied since the occupants are only temporarily absent. URE units also may be classified in any of the vacancy categories: seasonal or for sale.

Units Changed by Merger: A merger is the result of combining two or more housing units into fewer units through structural alteration or change in use. Structural alteration includes such changes as the removal of partitions or dismantling of kitchen facilities. Change in use may result from a simple rearrangement of space without structural alteration, such as unlocking a

door which formerly separated two housing units. A change in use also occurs, for example, when a family occupies both floors of a house which formerly contained a separate housing unit on each floor.

Conversion to More Units: Conversions to more units take place when one or more apartments or houses are subdivided to build more or smaller apartments. All units resulting from the conversion become part of the sample if they meet the housing unit definition and are not sample units in another Census Survey.

Non-interviewed units are assigned a weight of zero. Eligible units which were not interviewed are compensated for by an increase in the weights of other nearby units. Thus, the totals are accurate, but there is an implicit assumption that the non-responding units are few, about 5 percent, so the correction is small. The specific units involved change slightly each year, causing the weights of almost all other units to change slightly as well.

BBLDG =

Type B noninterview building

1	Building contains at least one housing unit-either occupied or vacant.
2	Unit being classified as Type B is the only unit in the building.
3	All units would qualify for a Type B or C noninterview.
B	Not applicable
Blank	Not reported

Long description:
In ADDITION to the unit that is being classified as a TYPE B (Enter 2 or 3 if the building does not contain any housing units)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview] AND [(NOT under construction or a storage) and (NOT OTHER unit or converted to institutional unit or occupancy is NOT prohibited and interior is NOT exposed to the elements and NOT other Type B noninterview)] ; OR
2 : [NOT noninterview]

BOARDU =

Type B unit boarded up

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Is the unit boarded up?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview] AND [(NOT under construction or a storage) and (NOT OTHER unit or converted to institutional unit or occupancy is NOT prohibited and interior is NOT exposed to the elements and NOT other Type B noninterview)] ; OR
2 : [NOT noninterview]

CONTROL =

Control number

Long description:
This is the scrambled control number from the masterfile. It is used to preserve confidentiality and to enable longitudinal matches to earlier files.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	homimp; houshld; jtw; mortg; owner; person; ratiov
Module 2001 and later:	homimp; jtw; mortg; owner; person; ratiov; rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NOTE: The ratio verification module, ratiov, was not present in the 2007 sample.

DATE =
Interview date

01011997:Present	January 1, 1997 - Present

Type:	Character
Edit flag variable:	JDATE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HISTRY =
Status of unit

1	Returning sample unit from a previous enumeration
8	Added unit within current sample unit/property

Long description:
This recode indicates whether a unit has been added within the current sample unit or property. A unit has a value of '8', when it is a new unit found to exist:

> within a returning sample unit (a house splits so the basement is rented as an apartment) or, within the property containing a returning sample unit (someone moves a mobile home to the same property as an original sample unit, the mobile home is a separate housing unit but uses the same address)

Otherwise, the unit is given the value of '1'

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2003N, 2005N, 2007N, 2007MSA

ISTATUS =
Interview status

1	Occupied interview
2	URE (Usual Residence Elsewhere) interview
3	Vacant interview
4	Noninterview

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MARKET =
Unit for rent only, sale only, or either

1	Rent only?
2	Rent or for sale?
3	Sale only?
B	Not applicable
R	Refused
Blank	Not reported

Long description:
Is it for ...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(NOT 'for rent or for sale' and NOT For sale only and NOT 'sold, but not yet occupied') or (((For rent or for sale or for sale only) or Sold, but not yet occupied) and Ownership of unit time shared or don't know or refused)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
3 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
4 : [Occupied interview and Owned] AND [Unit is not currently for sale or rent] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

MARKT =
Unit currently for rent or sale

1	yes
2	no
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is this home currently for rent or sale?

Type:	Character
Edit flag variable:	JMARKT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(NOT 'for rent or for sale' and NOT For sale only and NOT 'sold, but not yet occupied') or (((For rent or for sale or for sale only) or Sold, but not yet occupied) and Ownership of unit time shared or don't know or refused)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
3 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

MOVAC =
months unit has been vacant

00	Less than 1 month
1:24	1-24 MONTHS
25	Over 2 years
26	NEVER OCCUPIED
B	Not applicable
D	Don't Know
R	Refused

Long description:
How many months has that unit has been vacant?

Type:	Numeric
Edit flag variable:	JMOVAC
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
3 : [Occupied interview and Owned] AND [(The current value of the land is between 1 and 999998) or Does not know what the current value of the land is or Refused to answer what the current value of the land was] ; OR
4 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR
5 : [URE interview] ; OR
6 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

NOINT =
Noninterview reason

1	Type A - No one home
2	Type A - Temporarily absent
3	Type A - Refused
4	Type A - Unable to locate
5	Type A - Language problem
6	Type A - Other, occupied
10	Type B - Permit granted, construction not started
11	Type B - Under construction, not ready
12	Type B - Permanent or temporary business or commercial storage
13	Type B - Unoccupied site for mobile home or tent
14	Type B - OTHER unit or converted to institutional unit
15	Type B - Occupancy prohibited
16	Type B - Interior exposed to the elements
17	Type B - not classified above, Specify
30	Type C - Demolished or disaster loss
31	Type C - House or mobile home moved
32	Type C - Unit eliminated in structural conversion
33	Type C - Merged not in current sample
36	Type C - Permit abandoned
37	Type C - not classified above
38	Type C - Unit eliminated in subsampling
39	Unit deleted in prelisting subsampling
B	Not applicable

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT noninterview]

PWT =
Pure weight - inverse of prob of selection

00000:99999 0-99,999

Long description:
Product of base weight, weighting control factors, and sample adjustment factor.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	weight
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

REUAD =
Reason unit got added to sample

3	New Construction
4	Mobile Home moved in
5	House moved in
6	Building relisted due to structural changes
7	Unit created when original living quarters split into more units
8	Unit created when original quarters merged to fewer units
9	Conversion of nonresidential unit
10	Other, specify
11	Sample adjustment
B	Not applicable
D	Don't Know

Long description:
FR INSTRUCTION: Enter the reason this unit is being added.

Type:	Numeric
Edit flag variable:	JREUAD
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [HU is not part of a new incoming sample] ; OR
3 : [Noninterview] AND [(Type A noninterview)] ; OR
4 : [Noninterview] AND [(Type B noninterview)] ; OR
5 : [Noninterview] AND [(Type C noninterview)]

S150MV =

Vacant/URE unit <= 150 miles of owners res.

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
****ENTER CODE OR ASK****
Is this unit within 150 miles of the owner's current residence?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SAMEDU =

Same HU as last enumeration

1	Yes
2	No (For example: replacement Mobile Home, wrong unit enumerated last time)
B	Not applicable

Long description:
Is this the same housing unit that
was at this address last enumeration period?

Type:	Character
Edit flag variable:	JAMEDU
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview or noninterview)] AND [HU is part of a new incoming sample]

SXUREV =
Vacant/URE unit was previous residence

X	It was a previous usual residence
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Which of the following reasons is why the owner(s) own this vacant/URE housing unit?
Because

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

VACVAC =
Unit for vacation or other short-term use

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is this housing unit for vacation or other short-term use?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
5 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance] ; OR
6 : [Occupied interview] AND [Rented] ; OR
7 : [Occupied interview] AND [Occupied without payment]

WEIGHT =
Final weight

00000:99999 0-99,999

Long description:
Product of pure weight (PWT), noninterview adjustment factor, 1st stage ratio estimation factor, 2nd stage ratio estimation factor, and 3rd stage ratio estimation factors.
Based on 1980 Census geography for the National Records.
Based on relevant geography (1980, 1990, or 2000) for the MS records.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	weight
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
This variable should be used to analyze 1999 and earlier data or to link the 2001 national data to the earlier datasets.
Please see the narrative about weights for a brief discussion.

WGT90GEO =
Final weight based on 1990 Census geography

00000:99999 0-99,999

Long description:
Product of pure weight (PWT), noninterview adjustment factor, 1st stage ratio estimation factor, 2nd stage ratio estimation factor, and 3rd stage ratio estimation factors.
Based on 1990 Census geography.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2003N, 2005N, 2007N, 2007MSA

Notes:
This variable should be used to analyze the 2001 national data when trying to match to the published reports and geographic analysis.
Please see the narrative about weights for a brief discussion.

Geography

The national survey identifies the four Census regions (REGION). It also identifies the metropolitan areas over 100,000 in population (SMSA), shows which units are located within the central city of an SMSA (METRO3), and classifies climate severity to help analyze utility costs (DEGREE, in Utilities section).

The metropolitan survey's geographic variables are STATE, COUNTY, SMSA, and ZONE.

Every four years, the national survey includes a Metro supplement—additional survey data for the six largest metropolitan areas: Chicago, Detroit, Los Angeles, New York, Northern New Jersey, and Philadelphia. 1995, 1999, and 2003 are the years this supplement was included, and a note for the SMSA variable specifies exactly which areas were covered.

Notes:

Metro Area Identification: In the 1997 survey, the variable METRO was replaced with METRO3 because the census was unable to convert 1990-based urbanized areas to 1980-based geography used by the AHS. The new coding has fewer distinctions than the older one, making it more difficult to identify metropolitan area status. Pre-1997 data cannot be compared completely with later figures.

County: County codes are only available in the metropolitan files. The primary divisions of most states are termed counties. Exceptions are as follows:

Louisiana uses the term "parish" rather than "county."

Alaska has county equivalents defined by the state.

Maryland, Missouri, Nevada, and Virginia contain one or more cities that are independent of any county. For statistical purposes, these independent cities are treated as county equivalents.

1980 Design SMSA Code: The SMSA codes are used to uniquely identify each MSA. When using the metropolitan data, the SMSA variable also must be used in conjunction with the CONTROL variable to merge files from the AHS metropolitan surveys because the CONTROL codes are only unique to housing units within each SMSA.

Zone: Zone codes are only available in the metropolitan files. A zone is defined for the AHS only as a socio-economically homogeneous area of more than 100,000 people. It does not necessarily correspond to a geographic subdivision, although in almost all cases each identified zone is equivalent to a group of Census tracts. A zone may follow the boundaries of a county or cover a portion of a county. It may also cover several counties or townships or portion of several counties. The areas in a zone are not always adjacent. The limited sample size in each zone precludes reliable analysis of any single zone.

CMSA =
1980 design CMSA code

00	Not in a 1980 design CMSA
07	Boston-Lawrence-Salem, MA-NH
10	Buffalo-Niagara Falls, NY
31	Dallas-Fort Worth, TX
34	Denver-Boulder, CO
41	Hartford-New Britain-Middletown, CT
47	Kansas City, MO - Kansas City, KS
49	Los Angeles-Anaheim-Riverside, CA
56	Miami-Fort Lauderdale, FL
70	New York-Northern New Jersey-Long Island, NY-NJ-CT
78	Pittsburgh-Beaver Valley, PA
79	Portland-Vancouver, OR-WA
80	Providence-Pawtucket-Fall River, RI-MA
82	Saint Louis-East Saint Louis-Alton, MO-IL
91	Seattle-Tacoma, WA

Long description:
This is the 1980 design consolidated MSA code placed on the public use file. Due to confidentiality restrictions, only certain CMSA codes are allowed on the public use file.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N, 2007MSA

COUNTY =
County code

001:840	001-840
946	Brazoria, Chambers, & Galveston Counties, TX
947	Fredericksburg City, VA AND Clarke, Fauquier, Spotsylvania, & Warren Counties, VA AND Jefferson County, WV
948	Fayette, Shelby, & Tipton Counties, TN
949	Crawford County, AR AND Forrest County, MS
950	Gaston & Lincoln Counties, NC
951	Cabarrus & Rowan Counties, NC
952	Mecklenberg & Union Counties, NC
953	Island, King, & Snohomish Counties, WA
954	Franklin, Lincoln, St. Charles, & Warren Counties, MO
955	Clinton, Monroe, & St. Clair Counties, IL
956	Jersey & Madison Counties, IL
957	No longer used
958	Austin, Fort Bend, Harris, Liberty, Montgomery, San Jacinto, & Waller Counties, TX
959	Hartford County, CT AND parts of Litchfield, Middlesex, New London, & Tolland Counties, CT
960	No longer used
961	Fairfield & Madison Counties, OH
962	Delaware, Franklin, & Pickaway Counties, OH
963	No longer used
964	Carroll & Howard Counties, MD
965	Anne Arundel & Queen Anne Counties, MD
966	Dekalb & Fulton Counties, GA
967	Bartow, Cherokee, Douglas, Forsyth, & Paulding Counties, GA
968	Coweta, Fayette, Henry, & Spalding Counties, GA
969	Barrow, Newton, Rockdale, & Walton Counties, GA
970	Comal, Guadalupe, & Wilson Counties, TX
971	Genesee, Livingston, Ontario, Orleans, & Wayne Counties, NY
972	Columbia & Yamhill Counties, OR
973	Clackamas & Multnomah Counties, OR
974	Jefferson, Plaquemines, St. Bernard, St. Charles, & St. John the Baptist Parishes, LA
975	Johnson, Leavenworth, Miami, & Wyandotte Counties, KS
976	Cass, Clay, Clinton, Lafayette, Platte, & Ray Counties, MO
977	Douglas & Jefferson Counties, CO
978	Boone, Campbell, & Kenton Counties, KY AND Dearborn County, IN
979	Clermont & Warren Counties, OH
980	Manassas & Manassas Park Cities, VA AND Loudon, Prince William, & Stafford Counties, VA
981	Fairfax & Falls Church Cities, VA AND Fairfax County, VA
982	Calvert & Charles Counties, MD
983	Hernando & Pasco Counties, FL
984	Carver, Chisago, Isanti, Scott, Sherburne, & Wright Counties MN AND Pierce & Saint Croix Counties, WI
985	Johnson & Tarrant Counties, TX
986	No longer used
987	Ellis, Kaufman, & Rockwell Counties, TX
988	Canadian, Cleveland, Logan, McClain, Oklahoma, & Pottawatomie Counties, OK
989	Chesapeake & Suffolk Cities, VA AND Isle of Wight County, VA AND Currituck County, NC

990	Hampton, Poquoson, & Williamsburg Cities, VA AND Gloucester, James City, Mathews, & York Counties, VA
991	Ozaukee & Washington Counties, WI
992	Ashtabula, Geauga, Lake, & Medina Counties, OH
993	Blount, St. Clair, & Shelby Counties, AL
994	Johnson, Morgan, Shelby, & part of Marion Counties, IN
995	Hamilton, Hancock, & part of Marion Counties, IN
996	Boone, Hendricks, & part of Marion Counties, IN
997	Central City Indianapolis part of Marion County, IN
999	Can not disclose county code

Long description:
FIPS County codes, Independent City codes, and Pseudo county codes created to protect confidentiality.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Unit of observation:	TOPPUF
Present in survey year(s):	1998MSA, 2004MSA

Notes:
Variable may be changed and/or suppressed in the Metro survey to comply with 100,000 population rule.

METRO =

Central city / suburban status

1	Primary central city of the MSA
2:6	Secondary central cities of the MSA
7	Suburb of the MSA

Long description:
This recode specifies all central cities in each MSA.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Unit of observation:	TOPPUF
Present in survey year(s):	1998MSA, 2004MSA

Notes:
Variable may be changed and/or suppressed in the Metro survey to comply with 100,000 population rule.

METRO3 =
Central city / suburban status

1	Central city of MSA
2	Inside MSA, but not in central city - urban
3	Inside MSA, but not in central city - rural
4	Outside MSA, urban
5	Outside MSA, rural

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N, 2007MSA

Notes:
Variable may be changed and/or suppressed in National Survey to comply with 100,000 population rule.

PMSA =
1990 design PMSA code

0040:9340	0040-9340
9999	Not in a PMSA

Long description:
1990 design PMSA code

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Unit of observation:	TOPPUF
Present in survey year(s):	1998MSA

PSUDOTCT =

Census tract for 1970, 1980 or 1990 containing case

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2002MSA, 2004MSA

Notes:
Variable may be changed and/or suppressed in the Metro survey to comply with 100,000 population rule. Number does not correspond to the real Census tract numbers to preserve confidentiality.

REGION =

Census region

1	Northeast
2	Midwest
3	South
4	West

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N, 2007MSA

Notes:
Northeast includes: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania.
Midwest includes: Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas.
South includes: Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, Texas.
West includes: Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, Hawaii.

SMSA =
1980 design PMSA code

0080	Akron, OH
0160	Albany-Schenectady-Troy, NY
0200	Albuquerque, NM
0240	Allentown-Bethlehem-Easton, PA
0275	Alton-Granite City, IL
0360	Anaheim-Santa Ana (Orange County), CA
0460	Appleton-Oshkosh-Neenah, WI
0520	Atlanta, GA
0560	Atlantic City, NJ
0600	Augusta, GA-SC
0620	Aurora-Elgin, IL
0640	Austin, TX
0680	Bakersfield, CA
0720	Baltimore, MD
0760	Baton Rouge, LA
0840	Beaumont-Port Arthur, TX
0845	Beaver, PA
0875	Bergen-Passaic, NJ
1000	Birmingham, AL
1120	Boston, MA
1125	Boulder-Longmont, CO
1160	Bridgeport-Milford, CT
.	Buffalo, NY (Metro surveys only)
1320	Canton, OH
1440	Charleston, SC
.	Charlotte, NC (Metro surveys only)
1560	Chattanooga, TN-GA
1600	Chicago, IL
1640	Cincinnati, OH-KY-IN
1680	Cleveland, OH
1720	Colorado Springs, CO
1760	Columbia, SC
1840	Columbus, OH
1880	Corpus Christi, TX
1920	Dallas, TX
1960	Davenport-Rock Island-Moline, IA-IL
2020	Daytona Beach, FL
2080	Denver, CO
2120	Des Moines, IA
2160	Detroit, MI
2240	Duluth, MN-WI
2285	East Saint Louis-Belleville, IL
2320	El Paso, TX
2360	Erie, PA
2400	Eugene-Springfield, OR
2440	Evansville, IN-KY
2640	Flint, MI
2680	Fort Lauderdale-Hollywood, FL
2700	Fort Myers-Cape Coral, FL
2760	Fort Wayne, IN

2800	Fort Worth-Arlington, TX
2840	Fresno, CA
2960	Gary-Hammond, IN
3000	Grand Rapids, MI
3120	Greensboro-Winston Salem-High Point, NC
3160	Greenville-Spartanburg, SC
3280	Hartford, CT
3320	Honolulu, HI
3360	Houston, TX
3480	Indianapolis, IN
3560	Jackson, MS
3600	Jacksonville, FL
3640	Jersey City, NJ
3660	Johnson City-Kingsport-Bristol, TN-VA
3760	Kansas City, MO-KS
3840	Knoxville, TN
3965	Lake County, IL
3980	Lakeland-Winter Haven, FL
4000	Lancaster, PA
4040	Lansing-East Lansing, MI
4120	Las Vegas, NV
4160	Lawrence-Haverhill, MA-NH
4280	Lexington-Fayette, KY
4400	Little Rock-North Little Rock, AR
4480	Los Angeles-Long Beach, CA
4720	Madison, WI
4880	McAllen-Edinburgh-Mission, TX
4900	Melbourne-Titusville-Palm Bay, FL
4920	Memphis, TN-AR-MS
5000	Miami-Hialeah, FL
5015	Middlesex-Somerset-Hunterdon, NJ
5080	Milwaukee, WI
5120	Minneapolis-Saint Paul, MN
5160	Mobile, AL
5170	Modesto, CA
5190	Monmouth-Ocean, NJ
5240	Montgomery, AL
5360	Nashville, TN
5380	Nassau-Suffolk, NY
5480	New Haven-Meriden, CT
5560	New Orleans, LA
5600	New York City, NY
5640	Newark, NJ
5680	Norfolk-Newport News (Metro surveys only), VA-NC
.	Norfolk-Virginia Beach (Newport News-Hampton added after 1983), VA-NC
5775	Oakland, CA
5880	Oklahoma City, OK
5920	Omaha, NE-IA
5960	Orlando, FL
6000	Oxnard-Ventura, CA
6080	Pensacola, FL
6120	Peoria, IL
6160	Philadelphia, PA-NJ

6200 Phoenix, AZ
6280 Pittsburgh, PA
. Portland, OR - WA (Metro surveys only)
6480 Providence, RI
6640 Raleigh-Durham, NC
6780 Riverside-San Bernardino (6780 used in national surveys), CA
6840 Rochester, NY
6880 Rockford, IL
6920 Sacramento, CA
7040 Saint Louis, MO-IL
7090 Salem-Gloucester, MA
7120 Salinas-Seaside-Monterey, CA
7160 Salt Lake City-Ogden, UT
7240 San Antonio, TX
7280 Riverside-San Bernardino (6780 in all national surveys), CA
6780 San Bernardino-Riverside (7280 in all metro surveys), CA
7320 San Diego, CA
7360 San Francisco, CA
7400 San Jose, CA
7480 Santa Barbara-Santa Maria-Lompoc, CA
7500 Santa Rosa-Petaluma, CA
7510 Sarasota, FL
7560 Scranton-Wilkes Barre, PA
7600 Seattle, WA
7680 Shreveport, LA
7840 Spokane, WA
8000 Springfield, MA
8040 Stamford, CT
8120 Stockton, CA
8160 Syracuse, NY
8200 Tacoma, WA
8280 Tampa-Saint Petersburg-Clearwater, FL
8400 Toledo, OH
8480 Trenton, NJ
8520 Tucson, AZ
8560 Tulsa, OK
8680 Utica-Rome, NY
8720 Vallejo-Fairfield-Napa, CA
8840 Washington, DC-MD-VA
8880 Waterbury, CT
8960 West Palm Beach-Boca Raton, FL
9040 Wichita, KS
9240 Worcester, MA
9320 Youngstown-Warren, OH
9991 Chicago Areas (0620-Aurora-Elgin, 1600-Chicago, 3690-Joliet, 3965-Lake)
9992 New York Areas (5380-Nassau-Suffolk, 5600-New York)
9993 Northern New Jersey Areas (0875-Bergen-Passaic, 3640-Jersey City, 5015-Middlesex-Somerset-Hunterdon, 5190-Monmouth-Ocean, 5640-Newark, 8480-Trenton)
9999 Non-Metro or Suppressed MS

Long description:
1980 design SMSA code used to uniquely identify each MSA

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
9999 code not present in MSA files. Codes 9991-9993 are used for a few cases in 1995N and 1999N, where rare combinations of SMSA and METRO prevent us showing exact metro codes.
See http://www.census.gov/hhes/www/housing/ahs/metrodates.html for a list of which metropolitan areas are included in each metropolitan survey.
As a supplement to the national survey, the 1995, 1999, and 2003 National data include extra cases to allow separate analyses of 6 areas:
Chicago (0620, 1600, 3965, 9991), Detroit (2160), Los Angeles (4480), New York (5380, 5600, 9992), Northern New Jersey (0875, 3640, 5015, 5190, 5640, 8480, 9993), and Philadelphia (6160).
All cases within these 18 MSA codes are covered, except Joliet City outside Chicago, and non-urbanized

STATE =
FIPS state code

01	Alabama
02	Alaska
04	Arizona
05	Arkansas
06	California
08	Colorado
09	Connecticut
10	Delaware
11	District of Columbia
12	Florida
13	Georgia
15	Hawaii
16	Idaho
17	Illinois
18	Indiana
19	Iowa
20	Kansas
21	Kentucky
22	Louisiana
23	Maine
24	Maryland
25	Massachusetts
26	Michigan
27	Minnesota
28	Mississippi
29	Missouri
30	Montana
31	Nebraska
32	Nevada
33	New Hampshire
34	New Jersey
35	New Mexico
36	New York
37	North Carolina
38	North Dakota
39	Ohio
40	Oklahoma
41	Oregon
42	Pennsylvania
44	Rhode Island
45	South Carolina
46	South Dakota
47	Tennessee
48	Texas
49	Utah
50	Vermont
51	Virginia
53	Washington
54	West Virginia
55	Wisconsin

56	Wyoming
99	Can not disclose state code

Long description:
FIPS State Code

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Unit of observation:	TOPPUF
Present in survey year(s):	1998MSA, 2004MSA

Notes:
Variable may be changed and/or suppressed in the Metro survey to comply with 100,000 population rule.

ZONE =

Defined area of > 100,000 population

001:099	Zones inside the central city of an MSA
101:199	Zones in the suburbs of an MSA
201:299	Hybrid zones - contain cases in both the central city and the suburbs of an MSA

Long description:
A zone is defined as a socio-economically homogeneous area of greater than 100,000 population. It does not necessarily correspond to a geographic subdivision although in almost all cases each identified zone is equivalent to a group of Census tracts. A zone may follow the boundaries of a county or cover a portion of a county. It may also cover several counties or townships or portions of several counties. The areas in a zone are not always adjacent.
Note that these zones are not intended for use in separate analyses, but rather as analytic building blocks, because the limited sample size in each zone will preclude reliable results for any single area.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 2002MSA, 2004MSA

Unit

This chapter provides information on unit characteristics, facilities and major equipment. Data in this section include unit size, number of rooms, bedrooms, bathrooms and other rooms in the unit, the number of people per room, and information on additions and major alterations undertaken in the last two years. In addition, there is information on energy conservation features, such as storm windows and insulation, and on recent installations of major equipment. For data on fuels used to operate equipment discussed in this section and on utility costs; refer to the Utilities section. In general, the variables are available for all units in the sample.

Notes:

Unit Size: Includes basements and finished attics. Excludes unfinished attics, carports, attached garages, and porches that are not protected from the elements. The information is obtained from the respondent and by exterior measurements if the respondent authorizes the interviewer to do so. Interviewers are given very specific instructions on how to elicit the information from the respondent and on how to measure the unit from the outside. If the respondent does not know the total square footage of the unit, the interviewer elicits information on a floor or room basis, records the length and width for each floor and provides sketches of the units. This information is reviewed by Census and used to calculate the square footage of the unit.

Lot Size: Respondents are asked for the size of the lot. Respondents can state the dimensions or the square footage of the lot or report its size in whole acres. If the respondent provides a range, the value of the mid-point of the range is noted in the data files. If a lot is divided by a road, the portion on the other side of the road is only included in the lot size if it is on the same deed as the lot on which the sample unit is located. For rental units, the acreage includes only the land included in the rent, not the acreage of the entire property belonging to the owner.

Rooms: Starting in 1999, the collection of room counts by floors was eliminated. 1997 was the only year where room counts by floor was conducted. Room counts of each type were collected for the housing units as a whole. Also, a probe was modified to ensure that one-room units were not under-reported. These changes resulted in higher estimates of one-room units and units with no bedrooms.

Rooms counted are whole rooms used for living purposes, such as living rooms, dining rooms, bedrooms, kitchens, finished attic or basement rooms, recreation rooms, permanently enclosed basement rooms, permanently enclosed porches that are suitable for year-round use, lodgers' rooms, and rooms used for offices by a person living in the unit.

A partially divided room, such as a dinette next to a kitchen or living room, is a separate room only if there is a partition from floor to ceiling, but not if the partition consists only of shelves or cabinets. A dining area in an L-shaped living room is not recorded as a dining room and not counted as a room.

Excluded from the count of rooms are bathrooms, halls, foyers or vestibules, balconies, closets, alcoves, pantries, strip or pullman kitchens, laundry or furnace rooms, unfinished attics or basements, other unfinished space used for storage, open porches, trailers used only as bedrooms, and offices used only by people not living in the unit.

If a room is used by occupants of more than one unit, the room is included with the unit from which it is most easily reached.

Bedrooms: The number of bedrooms in a housing unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping, such as guest rooms, even though used infrequently, are counted as bedrooms.
Rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a hideaway bed, or an extra bedroom used for storage, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified by definition as having no bedroom.

Bathrooms: A unit has a full bathroom if it has a room with a flush toilet, bathtub or shower, a sink, and hot and cold piped water in the structure for the exclusive use of the occupants of the unit. A half bathroom has either a flush toilet or a bathtub or shower for exclusive use, but does not have all the facilities for a complete bathroom.

Porch, Balcony, Deck: A porch, deck, or balcony must be attached to the unit, not only to the building. It can be open or enclosed. It must measure at least 4 by 4 feet. An enclosed porch used for year-round living and reported as a room is not reported as a porch to avoid double counting.

Telephone Available: Access to a telephone is described by one of two variables. The variable TELHH is used if a telephone is located in the household. The variable TELAV is used if there is a telephone elsewhere on which householders can be contacted.

Complete Kitchen Facilities: A unit has complete kitchen facilities if it has all three of the following for the exclusive use of the occupants of the unit: (1) an installed sink with piped water, (2) a mechanical refrigerator, and (3) built-in burners, not portable. All kitchen facilities must be located in the structure. They need not be in the same room. Quarters with only portable cooking equipment are not considered as having a range or stove. An icebox is not included as a mechanical refrigerator.

The kitchen facilities are for the exclusive use of the occupants when they are used only by the occupants of one housing unit, including lodgers or other unrelated people living in the unit. When a structure consists of only one housing unit, all equipment located inside the structure is classified, by definition, for exclusive use.

For vacant units from which one or all of the kitchen facilities have been removed, the kitchen facilities used by the last occupant are to be reported.

Complete Plumbing Facilities: A unit has “complete plumbing facilities” if it has hot and cold piped water inside the unit, a flush toilet, and a bathtub or shower inside the structure for the exclusive use of the occupants of the housing unit. All plumbing facilities must be located in the

unit but they need not be in the same room. Note that plumbing facilities are considered complete if they are located in the structure in which the unit located, while in the Census, facilities are complete only if they are inside the specific housing unit. Plumbing facilities are shared if they are also for the use of the occupants of other housing units.

Source of Water or Water Supply: "A public system or private company" refers to a common source supplying running water to six or more housing units. The water may be supplied by a city, county, water district, or private water company, or it may be obtained from a well which supplies six or more housing units. If a well provides water for five or fewer housing units, it is classified as an "individual well". Water sources such as springs, creeks, rivers, cisterns, ponds, or lakes are in the "other" category.

Sewage Disposal: A "public sewer" is connected to a city, county, sanitary district, neighborhood, or subdivision sewer system. It may be operated by a government body or private organization. A "septic tank or cesspool" is an underground tank or pit used for disposal of sewage which serves five or fewer units. Small sewage treatment plants, which in some localities are called neighborhood septic tanks, are classified as public sewers.

Air Conditioning: Air conditioning is defined as the cooling of air by a refrigeration unit. This definition excludes evaporative coolers, fans, or blowers that are not connected to a refrigeration unit. A "room unit" is an individual air conditioner which is installed in a window or an outside wall and in generally intended to cool one room. A "central system" is a central installation which air-conditions the entire housing unit. In an apartment building, a central system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems that provide central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system.

Heating Equipment: "Warm-air furnace" refers to a central system that provides warm air through ducts leading to various rooms. An "electric heat pump" refers to an electric all-in-one heating-cooling system, which uses indoor and outdoor coils, a refrigerator, and a compressor to provide heating in the winter and cooling in the summer. Only heat pumps that are centrally installed with ducts to the rooms are in this category. "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Built-in electric units" are permanently installed in floors, walls, ceilings, or baseboards. A "floor, wall, or other pipeless furnace or built-in hot air heater without ducts" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed.

"Room heaters with flue" include circulating heaters, convectors, radiant gas heaters and other nonportable heaters that burn gas, oil, kerosene, or other liquid fuels, and connect to a flue, vent, or chimney to remove smoke and fumes. "Room heaters without flue" include any room heaters that burn gas, oil, or kerosene and do not connect to a flue, vent, or chimney. Fireplaces, stoves and electric portable heaters are reported separately. According to the interviewer instructions, portable heaters burning liquid fuel should be included under "fireplaces, etc.", not under "room heaters without flue", but the questionnaire does not mention the portability distinction, so some portable room heaters may be classified "room heaters", while others are classified "fireplaces, etc."

For vacant units from which the heating equipment had been removed, the equipment used by the last occupants is to be reported.

Microwave Oven: The variable OVEN is used when a microwave oven is present. Prior to 1997, the variable was used when a conventional or microwave was present. The questionnaire was changed because it was believed that it was more relevant to ask about a microwave. Due to the question change, data under this variable prior to 1997 cannot be compared to more recent data.

Year Householder Moved Into Unit: In 1999, a change was made in the way these data were processed. The change allows the year the householder moved into a mobile home to be earlier than the year the structure was built. The change was made in order to accommodate mobile home householders who purchased a new mobile home but were still living in the same site, making the year their structure was built later than the year they moved in.

Rooms Used For Business: In order to differentiate rooms used exclusively for business from rooms used for business and personal use, the variable OFFICE was split into the variables EXCLUS, for rooms used only for business purposes, and BUSPER, identifying rooms used for business and personal use. An error in the 1997 questionnaire omitted BUSPER, so it is not possible to tell if rooms have mixed usage in that year.

ACCESS =

Direct access to unit

1	Yes, direct access
2	No, through another unit
B	Not applicable

Long description:
Does this housing unit have direct access either from the outside or through a common hall?

Type:	Character
Edit flag variable:	JCCESS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Institutional] ; OR
3 : [Noninterview] AND [(Type A noninterview)] ; OR
4 : [Noninterview] AND [(Type B noninterview)] ; OR
5 : [Noninterview] AND [(Type C noninterview)]

ACCESSB =

Entry system required to access building

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

AGERES =
Age restricted development

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

AIR =
Room air conditioner

1	Yes
2	No
B	Not applicable

Long description:
Do you (also) use any room air conditioners?
Do other residents use any room air conditioners?
Does the housing unit have any room air conditioners?

Type:	Numeric
Edit flag variable:	JAIR
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

AIRSYS =
Central air conditioner

1	Yes
2	No
B	Not applicable

Long description:
Does this heat pump/heating equipment provide air conditioning for this home?
Does this housing unit have central air conditioning?

Type:	Character
Edit flag variable:	JIRSYS
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

ANYCAR =
Wall-to-wall carpeting in any area of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do any areas in your home have wall-to-wall carpeting?

Type:	Character
Edit flag variable:	JNYCAR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [No carpeting in unit] ; OR
3 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
4 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [NOT occupied interview]

ANYPNT =
Any painting done on inside of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
In the past 12 months, was any painting done on the inside of your home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

ANYRUG =

Any rugs or carpeting in unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
The next few questions are about carpeting and paint in your home.
Do you have ANY rugs or carpeting in your home?

Type:	Character
Edit flag variable:	JNYRUG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

APTFL =

Number of floors in the apartment itself

1:3	1-3
4	4 or more

Long description:
How many floors are in this APARTMENT itself?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

ASSTSERV =

Manager provides personal care assistance

1	Yes
2	No
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

Notes:
One or more instances of assistance with: meals, transportation, housekeeping, financial management, aid with telephone, and shopping

ATBSUN =

Number of unfinished attics/basements in unit

0:5	0-5 Unfinished Attics/Basements

Long description:
Recoded sum of ATBSUN1 through ATBSUN5

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

BATHS =

Number of full bathrooms in unit

0:10	0-10 Full Bathrooms
B	Not applicable

Long description:
Recoded sum of BATHS1 through BATHS5

Type:	Numeric
Edit flag variable:	JBATHS
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

BATTERY =

Smoke detector batteries replaced in last 6 months

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long Description:
Have the batteries in your smoke detector been replaced in the past 6 months?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Unit's smoke detector is not powered by batteries]

BDCARP =
Wall-to-wall carpeting in bedroom

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Is there wall-to-wall carpeting in your bedroom/any of your bedrooms?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [The unit does not have any wall to wall carpeting] ; OR
3 : [Occupied interview] AND [No carpeting in unit] ; OR
4 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
5 : [Occupied interview] AND [The unit has not bedrooms] ; OR
6 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
7 : [NOT occupied interview]

BEDRMS =
Number of bedrooms in unit

0:10	0-10 Full Bedrooms
B	Not applicable

Long description:
Recoded sum of BEDRMS1 through BEDRMS5

Type:	Numeric
Edit flag variable:	JEDRMS
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

BEDX =
Number of bedrooms with wall-to-wall carpeting

0	No bedrooms
1:10	1-10 bedrooms
B	Not applicable
D	Don't Know
R	Refused

Long description:
How many of your bedrooms have wall-to-wall carpeting?

Type:	Numeric
Edit flag variable:	JBEDX
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [The unit does not have any wall to wall carpeting] ; OR
3 : [Occupied interview] AND [No carpeting in unit] ; OR
4 : [Occupied interview] AND [The bedroom doesn't have wall to wall carpeting] ; OR
5 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
6 : [Occupied interview] AND [The unit has not bedrooms] ; OR
7 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
8 : [NOT occupied interview]

BUILT =
Year unit was built

2000:2005	2000-2005
1995	1995-1999
1990	1990-1994
1985	1985-1989
1980	1980-1984
1975	1975-1979
1970	1970-1974
1960	1960-1969
1950	1950-1959
1940	1940-1949
1930	1930-1939
1920	1920-1929
1919	1919 or earlier
B	Not applicable

Long description:
Year this housing unit was built.
(If respondent replies DK or is uncertain, probe: Do you know
what decade, such as the 90's, 80's, 70's or some other decade?)

Type:	Numeric
Edit flag variable:	JBUILT
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

BURNER =

Unit has working built-in cooking burners

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit, have any built-in cooking burners that are in working order?

Type:	Character
Edit flag variable:	JURNER
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit have working cook stove and/or range oven] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

BUSIN =

Number of offices/business rooms in unit

0:5	0-5 Offices/Business rooms

Long description:
Recoded sum of BUSIN1 through BUSIN5

Type:	Numeric
Edit flag variable:	JBUSIN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

BUSPER =
rooms used for business/personal use

0	None
1:10	1-10
B	Not applicable
D	Don't Know
R	Refused

Long description:
How many rooms, if any, are used both as business space and for personal use?

Type:	Numeric
Edit flag variable:	JUSPER
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

CELLAR =
Unit has a basement

1	With a basement under all of the house
2	With a basement under part of the house
3	With a crawl space
4	On a concrete slab
5	In some other way (SPECIFY)
B	Not applicable

Long description:
Is this house built-

Type:	Numeric
Edit flag variable:	JELLAR
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building or mobile home)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

CLIMB =
Number of floors from main entrance to apartment

0	Same floor
1:20	1-20
21	21 or more
B	Not applicable

Long description:
How many stories are there from the main entrance of the building to the main entrance of this apartment?

Type:	Numeric
Edit flag variable:	JCLIMB
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable has a topcode computed for each SMSA-METRO3 combination shown in the public use file.
For the Metro Survey, the variable has a topcode computed for each SMSA-ZONE combination shown in the public use file.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

CONDO =
Unit is condominium or cooperative

1	Either Condo or Cooperative
3	No, Neither one
B	Not applicable

Long description:
Is this housing unit part of a condominium
or cooperative or neither one?

Type:	Character
Edit flag variable:	JCONDO
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Cooperative units are combined with condominium units.

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

COOK =
Unit has working cookstove or range/oven

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit have some type of cooking stove,
or a range with an oven--one that is in working order?

Type:	Character
Edit flag variable:	JCOOK
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

DENS =
Number of dens/libraries/tv rooms in unit

0:5	0-5 Dens/Libraries/TV Rooms
B	Not applicable

Long description:
Recoded sum of DENS1 through DENS5

Type:	Numeric
Edit flag variable:	JDENS
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

DINING =

Number of dining rooms in unit

0:5	0-5 Dining rooms
B	Not applicable

Long description:
Recoded sum of DINING1 through DINING5

Type:	Numeric
Edit flag variable:	JINING
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

DIRAC =

Number of offices having direct access

0	None have direct access to the outside
1:10	1-10 have direct access to the outside
B	Not applicable
R	Refused

Long description:
And, how many offices used for business have direct access to the outside?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview] AND [(No offices are used exclusively for business)]

DISH =
Unit has working dishwasher

1	Yes
2	No
B	Not applicable

Long description:
Recode created from DISHQ, APPLWK, DISHWK, DISHFX

Type:	Character
Edit flag variable:	JDISH
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

DISPL =
Unit has working garbage disposal

1	Yes
2	No
B	Not applicable

Long description:
Recode created from DISPLQ, APPLWK, DISPLWK, DISPLFX

Type:	Character
Edit flag variable:	JDISPL
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit doesn't have kitchen sink] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

DRSHOP =

Medical office/community store on property

1	Yes
2	No
B	Not applicable

Long description:
Is there a medical or dental office or any commercial establishment on the property?

Type:	Character
Edit flag variable:	JRSHOP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Rented or occupied without payment)]

DRY =

Unit has working clothes dryer

1	Yes
2	No
B	Not applicable

Long description:
Recode created from DRYQ, APPLWK, DRYWK, DRYFX

Type:	Character
Edit flag variable:	JDRY
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

DSTEAM =
Steam/hot water system-DK if supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDSTEA
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Steam system NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DSTOVE =
Woodburning stove - DK if supplemental/parallel

B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDSTOV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Wood stove NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

EBAR =
Windows covered with metal bars

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any of the windows in any rooms covered with metal bars?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EHEIGHT =
Height of apartment buildings within 1/2 blk

1	Tallest has seven or more stories
2	Tallest has 4-6 stories
3	Tallest has fewer then 4 stories
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

ELEV =
Working passenger elevator

1	No elevator
2	At least one working elevator
3	All elevators not working
B	Not applicable

Long description:
Is there a working passenger elevator to your floor?
(COUNT FREIGHT ELEVATORS ALSO MEANT TO BE USED BY PASSENGERS)

Type:	Character
Edit flag variable:	JELEV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

EXCLUS =

Number offices used exclusively for business

0	No offices used exclusively for business
1:10	1-10 offices used exclusively for business
B	Not applicable
D	Don't Know
R	Refused

Long description:
You mentioned having some offices in your home.
How many of these offices are used exclusively for business?

Type:	Numeric
Edit flag variable:	JXCLUS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

FAMRM =
Number of family rooms/great rooms in unit

0:5	0-5 Family rooms/"Great" rooms
B	Not applicable

Long description:
Recoded sum of FAMRM1 through FAMRM5

Type:	Numeric
Edit flag variable:	JFAMRM
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

FIREX =
Unit has a fire extinguisher

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long Description:
Is there a fire extinguisher in the home that was purchased or recharged in the last 2 years?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview)]

FLOODPLN =
Unit in a flood plain

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is this property in a flood plain?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no bodies of water within half a block of unit] ; OR
2 : [Noninterview]

FLOORS =
Number of stories in building

1:20	1 TO 20
21	21 or more
B	Not applicable

Long description:
How many stories are there in this building ?
(IF SPLIT LEVEL, COUNT GREATEST NUMBER OF STORIES ON TOP OF EACH OTHER)

Type:	Numeric
Edit flag variable:	JLOORS
Allocation Matrix:	Matrix E
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable has a topcode computed for each SMSA-METRO3 combination shown in the public use file.
For the Metro Survey, the variable has a topcode computed for each SMSA-ZONE combination shown in the public use file.

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

FLOT =
Heating equipment vented to outside

X	Yes, VENTED to the outside through a chimney, flue, or pipes
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Is it VENTED to the outside through a chimney, flue, or pipes
OR is it UNVENTED?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [Working room heaters] ; OR
4 : [(NOT occupied interview or URE interview or vacant interview)]

FPINS =
Fireplace has inserts

1	Yes, all with inserts
2	Yes, some with inserts
3	No, none have inserts
B	Not applicable
D	Don't Know
R	Refused

Long description:
Does it have inserts, that is, equipment designed to circulate more heat into the room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Don't consider fireplace to be heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FPLWK =
Unit has useable fireplace

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit have a useable fireplace?

Type:	Numeric
Edit flag variable:	JFPLWK
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

FRPL =
Fireplace does not have inserts

X	No, none have inserts
B	Not applicable
Blank	Not reported

Long description:
Does it have inserts, that is, equipment designed to circulate more heat into the room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FRPLI =
Fireplace has inserts

X	Yes, some or all with inserts
B	Not applicable
Blank	Not reported

Long description:
Does it have inserts, that is, equipment designed to circulate more heat into the room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FRSTOC =
Current occupants are first occupants

1	First occupants
2	Previously occupied
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Were you the first occupant to occupy this home or did someone else live here before you did?

Type:	Character
Edit flag variable:	JRSTOC
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit was built before 1990] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

GARAGE =

Garage or carport included with unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is a garage or carport included with this housing unit?

Type:	Character
Edit flag variable:	JARAGE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

HALB =

Additional half bathrooms in unit

1	Yes
2	No

Long description:
Do you have any additional half bathrooms
anywhere in your home?
Is that in an area or room adjoining any your bathroom?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

HALFB =

Number of half bathrooms in unit

0:10	0-10 Half Bathrooms
B	Not applicable

Long description:
Recoded sum of HALFB1 through HALFB5

Type:	Numeric
Edit flag variable:	JHALFB
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

HOTPIP =

Unit has hot & cold running water

1	Yes
2	No
B	Not applicable

Long description:
Does this full bath contain both hot and cold water?
Does this housing unit have both hot and cold water?

Type:	Character
Edit flag variable:	JOTPIP
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

INCP =
Offstreet parking included

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is a driveway/lot/parking area off the street provided?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit has garage] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

KEXCLU =
Kitchen facilities for household use only

1	Yes
2	No
B	Not applicable

Long description:
Are these kitchen facilities for your household's use only/only for the use of future tenants/owners?

Type:	Character
Edit flag variable:	JEXCLU
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview) and (Apartment building or Attached mobile home)] AND [Unit doesn't have kitchen sink or No working refrigerator or (Unit does not have working cook stove and/or range oven and Unit does not have working cooking burners and No working microwave oven - other)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

KITCH =

Number of kitchens in unit

0:5	0-5 Kitchens
B	Not applicable

Long description:
Recoded sum of KITCH1 through KITCH5

Type:	Numeric
Edit flag variable:	JKITCH
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

KITCHEN =

Complete kitchen facilities in unit

1	Have complete kitchen facilities
2	Lacking complete kitchen facilities
B	Not applicable

Long description:
To have complete kitchen facilities, the unit must meet the following conditions:
Single unit HUs: must have a sink, refrigerator, and (range, cookstove, microwave, or built-in cooking burners) in the kitchen

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

LAT70S =
Year unit built in late 1970s

5:9	1975-1979
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
We have some additional questions for older homes. We have recorded that your house was built in the late 1970's. What was the exact year?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
2 : [Occupied interview] AND [Unit was built during 1970 or earlier and Unit was built during or after 1919] ; OR
3 : [NOT occupied interview]

LAUNDY =

Number of laundry/utility rooms in unit

0:5	0-5 Laundry/utility rooms
B	Not applicable

Long description:
Recoded sum of LAUNDY1 through LAUNDY5

Type:	Numeric
Edit flag variable:	JAUNDY
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

LIVING =

Number of living rooms in unit

0:5	0-5 Living rooms
B	Not applicable

Long description:
Recoded sum of LIVING1 through LIVING5

Type:	Numeric
Edit flag variable:	JIVING
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

LOT =
Square footage of lot

200:999998	200-999,998 Square feet
B	Not applicable
.	Not reported

Long description:
About how large is the lot?
*** INCLUDE ALL CONNECTING LAND THAT IS OWNED OR THAT
IS RENTED WITH THE HOME***
*** IF OVER 1 ACRE, DROP ANY FRACTIONS, DON'T ROUND UP ***
*** IF UNDER 1 ACRE, CONVERT TO APPROXIMATE SQUARE FEET ***
One eighth acre = 5500 sq. ft. Half acre = 22000 sq. ft.
Quarter acre = 11000 sq. ft. Three quarters acre = 33000 sq. ft.
One third acre = 14000 sq. ft. One acre = 44000 sq. ft.

Type:	Numeric
Edit flag variable:	JLOT
Allocation Matrix:	Matrix E
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Apartment building or Attached mobile home] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview and Owned] AND [(Unit is a condo or cooperative)]

LVCARP =

Wall-to-wall carpeting in living room

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is there wall-to-wall carpeting in living room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [(The number of living rooms in a unit is not between 1 and 5)] ; OR
3 : [Occupied interview] AND [The unit does not have any wall to wall carpeting] ; OR
4 : [Occupied interview] AND [No carpeting in unit] ; OR
5 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
6 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
7 : [NOT occupied interview]

MOBILTYP =

Manufactured/mobile home type

1	Single-wide unit
2	Double-wide or larger unit
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

MONOX =
Unit has carbon monoxide detector

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long Description:
Is a working carbon monoxide detector inside the home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

MOPERM =
months since occupied as permanent home

0	Less than 1 month
1:24	1-24 MONTHS
25	Over 2 years
26	NEVER OCCUPIED AS A PERMANENT HOME
27	Don't know
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How many months has it been since this housing unit was occupied as a permanent home?

Type:	Numeric
Edit flag variable:	JOPERM
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
3 : [Occupied interview and Owned] AND [(The current value of the land is between 1 and 999998) or Does not know what the current value of the land is or Refused to answer what the current value of the land was] ; OR
4 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

NOOTHRM =
No other rooms in unit

X	No OTHER rooms
B	Not applicable
Blank	Not reported

Long description:
Besides all of these rooms, are there any OTHER rooms in your home?
If "Yes"- What are they?" "How many?" (enter in list below)
If "No" - Enter "X" here: No OTHER rooms
(ENTER THE NUMBER OF EACH TYPE OF ROOM RESPONDENT MENTIONS. DO NOT COUNT THE SAME ROOM MORE THAN ONCE.)

Type:	Character
Edit flag variable:	JNOOTH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

NUMAIR =
Number of room air conditioners

1:7	
8	8 or more
B	Not applicable

Long description:
How Many?

Type:	Numeric
Edit flag variable:	JUMAIR
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Room air conditioners are not used or Does not know if there is a room air conditioner or Refused to answer whether there is a room air conditioner] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

NUNIT2 =
Are these living quarters in a…

1	One-unit building, detached from any other building
2	One-unit building, attached to one or more buildings
3	Building with two or more apartments
4	Manufactured (mobile) home
B	Not applicable

Long description:
These living quarters in a -

Type:	Character
Edit flag variable:	JUNIT2
Allocation Matrix:	Matrix A
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For 1997 and 1999 National and 1998 Metro surveys the categories for mobile homes are:
4 = One-unit mobile home
5 = Two or more unit mobile home

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [Noninterview] AND [(Type A noninterview)] ; OR
3 : [Noninterview] AND [(Type B noninterview)] ; OR
4 : [Noninterview] AND [(Type C noninterview)]

NUNITS =
Number of units in building

1:997	1-997 apartments
998	998 apartments or more
B	Not applicable

Long description:
How many apartments, both occupied and vacant, are in the building?

Type:	Numeric
Edit flag variable:	JUNITS
Allocation Matrix:	Matrix A
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable has a topcode computed for each SMSA-METRO3 combination shown in the public use file.
For the Metro Survey, the variable has a topcode computed for each SMSA-ZONE combination shown in the public use file.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [Noninterview] AND [(Type A noninterview)] ; OR
3 : [Noninterview] AND [(Type B noninterview)] ; OR
4 : [Noninterview] AND [(Type C noninterview)]

OARSYS =

Unit has another central a/c system

1	Yes
2	No
B	Not applicable

Long description:
Besides this heat pump, does this home have another
CENTRAL air conditioning system?
Does this home have ANOTHER CENTRAL air conditioning system?

Type:	Character
Edit flag variable:	JARSYS
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Central air conditioning system is not used] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

OBEDRM =

Number of offices used for bedroom

0	No offices are also used as bedrooms/guest rooms
1:10	1-10 offices are also used as bedrooms/guest rooms

Long description:
Concerning the offices(s) NOT used exclusively for business,
what else are they used for?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

ODIN =
Number of offices used as dining room

0	No offices are also used as dining rooms
1:5	1-5 offices are also used as dining rooms

Long description:
Concerning the offices(s) NOT used exclusively for business, what else are they used for?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

ODIRAC =
Number of offices having direct access

0	No offices have direct access to the outside
1:10	1-10 offices have direct access to the outside

Long description:
And, how many offices used exclusively for business have direct access to the outside?

Type:	Numeric
Edit flag variable:	JDIRAC
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

OKITCH =
Number of offices used for kitchen

0	No offices are also used as kitchens
1:5	1-5 offices are also used as kitchens

Long description:
Concerning the offices(s) NOT used exclusively for business, what else are they used for?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

OLIVIN =
Number of offices used for living room

0	No offices are also used as living rooms
1:5	1-5 offices are also used as living rooms

Long description:
Concerning the offices(s) NOT used exclusively for business, what else are they used for?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

OOTHRM =

Number of offices used for other room

0	No offices are also used as other rooms
1:5	1-5 offices are also used as other rooms

Long description:
Concerning the offices(s) NOT used exclusively for business,
what else are they used for?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

OTBUP =

Other building on property used as living quarters

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Is there any other building on the property
for people to live in--either occupied or vacant?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview] AND [(Type A noninterview)] ; OR
2 : [Noninterview] AND [(Type B noninterview)] ; OR
3 : [Noninterview] AND [(Type C noninterview)]

OTHFN =
Number of other finished rooms in unit

0:10	0-10
B	Not applicable

Long description:
Recoded sum of OTHFN1 through OTHFN5

Type:	Numeric
Edit flag variable:	JOTHFN
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Prior to 2001 National survey, the maximum value for OTHFN was 5.

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

OTHLQ =
Other living quarters on property

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any occupied or vacant apartments besides yours in this house?
Are there any occupied or vacant apartments besides yours in this house/building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [NOT house, apartment, flat or mobile home] ; OR
3 : [Noninterview] AND [(Type A noninterview)] ; OR
4 : [Noninterview] AND [(Type B noninterview)] ; OR
5 : [Noninterview] AND [(Type C noninterview)]

OTHLQ1 =
Other apartments in building

1	Yes
2	No

Long description:
Are there any occupied or vacant apartments besides yours in this house/building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

OTHLQ2 =

Other apartments in building

1	Yes
2	No

Long description:
Are there any occupied or vacant apartments besides yours in this house?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

OTHRUN =

Number of other unfinished rooms in unit

0:5	0-5 Other Unfinished rooms
B	Not applicable

Long description:
Recoded sum of OTHUN1 through OTHUN5

Type:	Numeric
Edit flag variable:	JTHRUN
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

OVEN =
Unit has a working microwave oven

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit have a microwave oven that is in working order?

Type:	Character
Edit flag variable:	JOVEN
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit has working cooking burners] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Unit have working cook stove and/or range oven] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

OWNHERE =
Owner/resident manager lives on-site

1	Yes
2	No
B	Not applicable

Long description:
Does either the owner or a resident manager live in this building/complex?
(Exclude staff who do only maintenance.)

Type:	Character
Edit flag variable:	JWNHER
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	owner
Module 2001 and later:	owner
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(One-unit mobile home and Less than 2 mobile homes in group) or (One-unit building)]

OWNLOT =

Household owns the land

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you own the land?

Type:	Character
Edit flag variable:	JWNLOT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [((Occupied interview and (One-unit or apartment building) and Not owned) or ((URE interview or vacant interview) and ((One-unit or apartment building) or Mobile home to be moved)) or Noninterview)] AND [Reported if household owns the land]

PERSERV =

Management provides personal care assistance

1	Yes
2	No
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

Notes:
One or more instances of assistance with bathing, eating, moving about, dressing, toilet use

PHONE =
Telephone available for use

1	Telephone in unit or one is available for the household's use
2	No telephone in unit and none available for the household's use
B	Not applicable
D	Don't Know

Long description:
This recode indicates whether or not a telephone is in the housing unit. If there is no telephone in the unit, then the recode indicates whether or not there is a telephone available somewhere for the household's use

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PLUGS =
Every room has working electrical plug

1	Yes
2	No
B	Not applicable

Long description:
In our last interview in (date) we recorded that every room had an electrical outlet or wall plug that worked.
Is this still correct? Does every room have an electrical outlet or wall plug that works?

Type:	Character
Edit flag variable:	JPLUGS
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No electrical wiring] ; OR
2 : [Noninterview]

PORCH =

Unit has porch/deck/balcony/patio

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit have a porch, deck, balcony, or patio?
(Measuring at least 4 feet by 4 feet)

Type:	Character
Edit flag variable:	JPORCH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

PUBSEW =

Unit connected to public sewer

1	Yes
2	No
B	Not applicable

Long description:
Is this housing unit connected to a public sewer?

Type:	Character
Edit flag variable:	JUBSEW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

RECRM =
Number of recreation rooms in unit

0:5	0-5 Recreation rooms
B	Not applicable

Long description:
Recoded sum of RECRM1 through RECRM5

Type:	Numeric
Edit flag variable:	JRECRM
Allocation Matrix:	Matrix B
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

REFR =
Unit has a working refrigerator

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit have a refrigerator that is in working order?
(Exclude ice boxes.)

Type:	Character
Edit flag variable:	JREFR
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

ROOMS =

Number of rooms in unit

1:20	1-20 rooms
21	21 rooms or more
B	Not applicable

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Top coded at 21. Listed topcode appears on microdata.

ROOMSA =

Rooms used for both business & other

1	Yes
2	No

Long description:
Are any of your rooms used both as business space and for something else, such as a guest room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 2004MSA

ROOMSB =

Number of rooms used for both business & other

1:99	1-99 rooms used for both business and something else

Long description:
How many rooms are used for both?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 2004MSA

SEWDIS =

Type of sewage disposal

1	Septic tank or cesspool
2	Chemical toilet
3	Outhouse or privy
4	Other
5	None
B	Not applicable

Long description:
What means of sewage disposal does this housing unit have?

Type:	Character
Edit flag variable:	JEWDIS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit connected to public sewer] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

SEWDUS =
Number of units connected to sewage system

1	One
2	2 to 5
3	6 or more
B	Not applicable

Long description:
How many homes are connected to the sewage system?

Type:	Character
Edit flag variable:	JEWDUS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Chemical toilet or outhouse or privy or other non-septic tank or none sewage disposal) or Don't know type of sewage disposal or Refused to disclose type of sewage disposal] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Unit connected to public sewer] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SHARAT =
Unit shares attic or basement

1	Yes
2	No
B	Not applicable
D	Don't Know

Long description:
Does this housing unit share an attic or basement with the housing unit next door?

Type:	Character
Edit flag variable:	JHARAT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [NOT detached building and Unit doesn't share attic or basement and Unit doesn't share furnace or boiler] ; OR
3 : [Noninterview] AND [(Type A noninterview)] ; OR
4 : [Noninterview] AND [(Type B noninterview)] ; OR
5 : [Noninterview] AND [(Type C noninterview)]

SHARFR =
Unit shares furnace or boiler

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit share a furnace or boiler with the housing unit next door?

Type:	Character
Edit flag variable:	JHARFR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Unoccupied site for mobile home, trailer or tent or group quarters)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [NOT detached building and Unit doesn't share attic or basement and Unit doesn't share furnace or boiler] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [Unit shares attic or basement] ; OR
4 : [Noninterview] AND [(Type A noninterview)] ; OR
5 : [Noninterview] AND [(Type B noninterview)] ; OR
6 : [Noninterview] AND [(Type C noninterview)]

SINHV =
Inherited this vacant/URE unit

X	It was inherited
B	Not applicable
Blank	Not reported

Long description:
Which of the following reasons is why the owner(s) own this housing unit? Because

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SINK =
Unit has kitchen sink

1	Yes
2	No
B	Not applicable

Long description:
Does this housing unit have a kitchen sink?

Type:	Character
Edit flag variable:	JSINK
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SINVV =
Own vacant/URE unit as an investment

X	It is for investment purposes
B	Not applicable
Blank	Not reported

Long description:
Which of the following reasons is why the owner(s) own this housing unit? Because

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SMOKE =
Smoke detector

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long Description:
Is a working smoke detector inside the home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SMOKPWR =
Smoke detector power source

1	Electricity
2	Batteries
3	Electricity and batteries
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long Description:
Is the smoke detector powered by electricity, batteries, or both?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have a smoke detector]

SOTHV =
Own vacant/URE unit for some other reason

X	Some other reason (SPECIFY)
B	Not applicable
Blank	Not reported

Long description:
Which of the following reasons is why the owner(s) own this vacant/URE housing unit? Because

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SPRNKLR =
Sprinkler system inside the unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long Description:
Is a fire sprinkler system inside the home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SRECV =
Own vacant/URE unit for recreation

X	It is used for recreational purposes
B	Not applicable
Blank	Not reported

Long description:
Which of the following reasons is why the owner(s) own this vacant/URE housing unit? Because

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SRENTV =

Number of nights vacant/URE unit was rented out

1	0-2 nights
2	3-7 nights
3	8 or more nights
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
In the past year, how many nights was this vacant/URE housing unit unit rented out?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SSELV =

Want to sell vacant/URE unit - not sold yet

X	Owner(s) wish to sell it but have not yet been able to
B	Not applicable
Blank	Not reported

Long description:
Which of the following reasons is why the owner(s) own this vacant/URE housing unit? Because

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

STEAM =

Steam system used as supplemental heating equip

X	Steam/hot water system with radiators OR other system using steam/hot water
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

STORG =

Number of storage rooms/pantries in unit

0:5	0-5 Storage rooms/Pantries

Long description:
Recoded sum of STORG1 through STORG5

Type:	Numeric
Edit flag variable:	JSTORG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

TELAV =
Telephone available elsewhere

1	Yes
2	No

Long description:
Is there a telephone elsewhere on which people in this household can be contacted?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

TELHH =
Telephone in housing unit

1	Yes
2	No

Long description:
If we need to contact you by telephone to followup on missing data, is there a telephone in this housing unit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

TENURE =
Owner/renter status of unit

1	Owned or being bought by someone in your household?
2	Rented for cash rent
3	Occupied without payment of cash rent?
B	Not applicable

Long description:
Is this housing unit -
READ CATEGORIES UNTIL A "YES" REPLY IS RECEIVED

Type:	Character
Edit flag variable:	JENURE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Noninterview] AND [(Type B noninterview)] ; OR
3 : [Noninterview] AND [(Type C noninterview)]

TIMSHR =
Ownership of unit time shared

1	Yes
2	No
B	Not applicable

Long description:
Is the ownership of this housing unit time-shared?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
3 : [Occupied interview and Owned] AND [(The current value of the land is between 1 and 999998) or Does not know what the current value of the land is or Refused to answer what the current value of the land was] ; OR
4 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TRASH =

Unit has working built-in trash compactor

1	Yes
2	No
B	Not applicable

Long description:
Recode created from TRASHQ, APPLWK, TRASHWK, TRASHFX

Type:	Character
Edit flag variable:	JTRASH
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

TUB =

Unit has a bathtub or shower

1	Yes
2	No
B	Not applicable

Long description:
Does this full bath contain a bathtub or a shower?
Does this housing unit have a bathtub or a shower?

Type:	Character
Edit flag variable:	JTUB
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

TYPE =
Housing unit type

1	House, apartment, flat
2	Mobile home with No permanent room added
3	Mobile home with permanent room added
4	HU, in nontransient hotel, motel, etc.
5	HU, in permanent transient hotel, motel, etc.
6	HU, in rooming house
7	Boat or recreation vehicle
8	Tent, cave, or railroad car
9	HU, not specified above
10	Unoccupied site for mobile home, trailer or tent
11	Group Quarters
B	Not applicable

Long description:
Is this unit (or address) a house, an apartment, a manufactured/mobile home, or some other type of residence?

Type:	Numeric
Edit flag variable:	JTYPE
Allocation Matrix:	Matrix A
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview] AND [(Type C noninterview)]

UNITSF =
Square footage of unit

99	99 square feet or less
100:99997	100-99,997 square feet
99998	98,998 square feet or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
Thinking about all the rooms you mentioned earlier, as well as the hallways and entry ways in this housing unit, about how many square feet is that?
(Include: Finished attics. Exclude: Unfinished attics, carports, and attached garages. Also exclude porches that are not protected from the elements and heated.

Type:	Numeric
Edit flag variable:	JNITSF
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

VACANCY =
Vacancy status

1	For rent only
2	For rent or for sale
3	For sale only
4	Rented, but not yet occupied
5	Sold, but not yet occupied
6	Held for occasional use throughout the year
7	Other (specify)
8	Seasonal-Summer only
9	Seasonal-Winter only
10	Other seasonal (SPECIFY)
11	Migratory
B	Not applicable

Long description:
Does the owner/manager intend for this housing unit to be -
Is that housing unit -
Is seasonal housing unit INTENDED for year-round use, for occupancy only on a seasonal basis, or for use by migrant workers?

Type:	Numeric
Edit flag variable:	JVACAN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
3 : [Occupied interview and Owned] AND [(The current value of the land is between 1 and 999998) or Does not know what the current value of the land is or Refused to answer what the current value of the land was] ; OR
4 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

WASH =
Unit has a working washing machine

1	Yes
2	No
B	Not applicable

Long description:
Recode created from WASHQ, APPLWK, WASHWK, WASHFX

Type:	Character
Edit flag variable:	JWASH
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

WATER =
Source of water for unit

1	Public or private system
2	Individual well
3	Spring
4	Cistern
5	Stream or lake
6	Commercial bottled water
7	Other
B	Not applicable

Long description:
Does most of the water for this housing unit come from a water system, either public or private, from an individual well, or from some other source?

Type:	Character
Edit flag variable:	JWATER
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

WATERD =
Source of drinking water

1	Public or private water system
2	Individual well
3	Spring
4	Cistern
5	Stream or lake
6	Commercial bottled water
7	Other; SPECIFY
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Where do you get your water for drinking?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Water safe for drinking & cooking or Don't know if water safe for drinking & cooking or Refuse to disclose if water safe for drinking & cooking] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [URE interview or Vacant interview] AND [Water NOT safe for drinking & cooking]

WELDUS =
Number of units this water source serves

1	Only this home
2	2 to 5
3	6 to 9
4	10 to 14
5	15 or more
B	Not applicable

Long description:
How many homes does the water source serve?

Type:	Character
Edit flag variable:	JELDUS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Water source other than public or private, natural, or bottled] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

WELL =
Well drilled or dug

1	Drilled
2	Dug
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is the well drilled or dug?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
A q-code error in the 2003 National Survey caused some ineligible households to be asked the verify version of the question rather than the- Is the well drilled or dug? - question.
This causes the number of not reported drilled versus dug wells to double from 2001 to 2003 in the data.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Public or private water system or (Spring or cistern or 'stream or lake' source of water)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Source of water - commercial bottled water] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [Water source other than public or private, natural, or bottled] ; OR
4 : [(NOT occupied interview or URE interview or vacant interview)]

WFPROP =
Unit is waterfront property

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Would you call this housing unit waterfront property?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no bodies of water within half a block of unit] ; OR
2 : [Noninterview]

WHNGET =
Year unit bought/obtained/received

1900:2007	1900-2007
B	Not applicable

Long description:
When did this household bought/obtained/received the unit?
(IF LAND AND BUILDING BOUGHT AT DIFFERENT TIMES, BUILDING ONLY)

Type:	Numeric
Edit flag variable:	JHNGET
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

YRRND =
Unit suitable for year round use

1	Yes
2	No
B	Not applicable
D	Don't Know

Long description:
Does the construction and heating of this housing unit make it suitable for year-round use?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(NOT seasonal or migratory)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
3 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
4 : [Occupied interview and Owned] AND [(The current value of the land is between 1 and 999998) or Does not know what the current value of the land is or Refused to answer what the current value of the land was] ; OR
5 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR
6 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

Unit Quality

Data in this section include a measure of overall quality of the unit, residents' satisfaction with the unit, deficiencies outside and inside the unit (e.g., leaks, holes, cracks, blown fuses, equipment breakdowns) and in the common halls (such as non-working light fixtures or loose railings) and maintenance and repairs information.

Housing adequacy: This three-scale index, in which one is adequate and three is severely inadequate, is a summary measure of housing quality. The criteria used to cerate this index is provided in the long description for the variable.

Common stairways: Data for common stairways were collected for housing units in structures of two or more units with common stairways. The data reflect the physical condition of the stairway, i.e., whether there were loose, broken or missing steps or stair railings. Common stairways are stairways, which are usually used by the occupants or guests to get to the door of the unit. They may be inside or outside of the building. The condition of stairways is reported for all units. These questions were dropped starting in 2007.

Peeling paint: Peeling paint must be on the inside walls or ceilings, and at least one area of the peeling paint must be larger than 8 inches by 11 inches.

Signs of basement water leakage: Signs of basement water leakage are recorded. Water leakage is present if the basement shows signs of water having leaked in from the outside, even if the signs only appear when it rains or during other similar situations. "No water leakage" means that the basement shows no sign of water leakage, or that the signs of water leakage are caused by a problem inside the structure such as faulty plumbing. If the basement shows signs of water having leaked in from the outside but the problem causing the leakage has been corrected, the unit was classified as having no basement leakage. This item is available if the respondent reported a water leakage in the last 12 months.

Leaking roof: Units with "water leakage" are those in which the roof shows signs of water having leaked in from the outside or where the roof leaks when it rains. "No water leakage" means that the roof shows no signs of water having leaked in from the outside, or that the roof shows signs of water leakage but the problem causing the leakage has been corrected. If the signs of water leakage are caused by a problem inside the structure such as faulty plumbing the unit is classified as having no basement leakage. This item is available if the respondent reported that water did leak from the outside in the last 12 months.

Other leakages: Data are available on water leakages through the walls and around the windows as well as leakages caused by faulty water pipes, plumbing backups or other causes. Leakages through broken or deteriorated windows are counted, while water leakages which came in through an open window are excluded. Leakages are reported if they occurred in the last 12 months.

Inside walls and ceilings: Data are collected on whether there are open cracks or holes and broken plaster or peeling paint on the inside walls or ceilings of a housing unit. Included are cracks or holes that do not go all the way through to the next room or to the outdoors. Hairline cracks or cracks that appear in the walls or ceilings but are not large enough for a fingernail file to be inserted, and very small holes caused by nails or other similar objects are not considered to be open cracks or holes.

Inside floors: Data are collected on whether there are holes in the inside floors of a housing unit. The holes do not have to go through the floor. Excluded are very small holes caused by nails or other similar objects.

Flush toilet, water supply, public sewage disposal and heating equipment breakdown: Plumbing breakdowns are reported if they lasted six or more consecutive hours, whether the problem was created by faulty equipment or by an interruption of the water supply. Heating equipment breakdowns, however, are not counted if they resulted from an interruption of the power supply or lack of fuel. The number of plumbing breakdowns refers to the three months before the interview unless the respondent has been in the unit for less than three months. Data on breakdowns or failure of flush toilets, water supply, sewage disposal and heating equipment were collected only if the housing unit had been occupied by the reference person of the household at least three months before the interview. The data are collected for all units and the questions are reworded as “Since you have lived here.” For breakdowns or failures of heating equipment, data are collected only of the unit had been occupied by the reference person during the winter before the interview. To qualify as having lived here “last winter”, the reference person must have moved into the unit before the previous February.

Electric wiring: A housing unit is classified as having exposed electric wiring if the unit has any wiring that is not enclosed, either in the walls or in metal coverings located in living areas only. Extension cords and other types of wiring that extend from a wall outlet to an appliance or lamp are not considered as exposed wiring.

Electric wall outlets: A housing unit is classified as having electric wall outlets in each room if there is at least one working electric wall outlet or wall plug in each room of the unit. A working electric wall outlet or wall plug is one that is in operating condition, i.e., can be used when needed. If a room does not have an electric wall outlet, an extension cord used in place of a wall outlet is not considered to be an electric wall outlet.

Outside structural conditions: These data are provided by observation. A sagging roof is reported if it is substantial and can be seen without climbing on the roof. Missing roof materials include rotted, broken or missing shingles, tiles, slates, etc. caused by extensive damage from fire, storm or serious neglect. Holes are reported if missing materials expose the inside of the unit to the elements. Missing materials on the walls and chimney do not have to expose the inside of the unit to the elements to be reported. The defects may have been caused by fire, storm, flood, neglect or vandalism. Boarded-up windows include both windows and doors which are covered by board, brick, metal or other material. Broken windows are reported if several panes are missing or broken. Foundation defects include large cracks, holes, and rooted, loose or missing material. None of the above defects are reported if the conditions are due to construction activities, unless it is obvious that the work has been abandoned.

Unit is uncomfortably cold: Respondents are asked if any of the occupants of the unit last winter experienced discomfort because the unit was too cold for 24 consecutive hours or more. The respondent's definition of "last winter" is accepted. The reasons for discomfort due to cold are also provided.

Radon, asbestos and water quality tests: Respondents are asked if the buyer, seller, or their representative made any inquiries, inspected or tested the house for any of the listed conditions. They are also asked if water is safe for drinking and cooking.

BADSTEP =
Loose/broken/missing steps in common stairs

1	No common stairways
2	Yes
3	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do the common stairways located inside this building or attached to the outside of this building have any loose, broken or missing steps?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
2 : [Noninterview]

BDSTPQ =
Loose/broken/missing steps in common stairs

1	Yes
2	No
3	No common stairways

Long description:
Do the common stairways located inside this building or attached to the outside of this building have any loose, broken or missing steps?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

BLDMNT =
Satisfaction with building maintenance

1	Completely satisfied
2	Partly satisfied
3	Dissatisfied
4	Landlord not responsible for building maintenance
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
On maintenance of the building, are you completely satisfied, partly satisfied, or dissatisfied?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

BLEAK =
Water leak in basement

X	Basement
B	Not applicable
Blank	Not reported

Long description:
Did the water come in from the --

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any outside water leaks within the last 12 months] ; OR
3 : [Noninterview]

BSINK =
Unit has a bathroom sink

1	Yes
2	No
B	Not applicable

Long description:
Does this full bath contain a bathroom sink?
Does this housing unit have a bathroom sink?

Type:	Character
Edit flag variable:	JBSINK
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

CRACKS =

Open cracks wider than dime

1	Yes
2	No
B	Not applicable

Long description:
People sometimes have problems with cracks or holes in their home's floors, walls, or ceilings -- not little hairline cracks or nail holes, but OPEN cracks or holes. In the INSIDE walls or ceilings of this housing unit,are there any OPEN HOLES or CRACKS WIDER THAN THE EDGE OF A DIME?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

DFIRE =

Type C-30/31 severely damaged by fire

1	Yes
2	No

Long description:
Was that unit demolished, moved, or considered a disaster loss, because it was severely damaged by fire?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [Noninterview] AND [(NOT demolished disaster losses or NOT moved)] ; OR
2 : [NOT noninterview]

DISAS =
Type C severely damaged by natural disaster

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Other natural disaster?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview] AND [(NOT demolished disaster losses or NOT moved)] ; OR
2 : [NOT noninterview]

DORREP =
Any doors repaired/replaced in unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
In the past 2 years, have any doors or door frames in your home been replaced or repaired?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

EBOARD =
Windows boarded up

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any of the windows in this housing unit boarded up?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EBROKE =
Windows broken

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any of the windows in this housing unit broken?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ECRUMB =
Holes/cracks or crumbling in foundation

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there holes or open cracks or crumbling in the foundation of this housing unit--that is, in the base on which the housing unit stands?
(Do not count holes made for ventilation)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EGOOD =
No listed conditions seen in/on unit

1	No listed conditions seen in or on the unit
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EHOLER =
Roof has holes

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does the roof have any holes?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ELEVWK =
At least one elevator in working order

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

EMISSR =
Roof missing shingles/other roofing materials

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
The next questions are about the CONDITION of the outside of this housing unit.
Does the roof have missing shingles or other missing roofing materials?
(Do not count gutters or downspouts)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EMISSW =
Outside walls missing siding/bricks/etc

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do the outside walls have any missing siding, bricks, or other missing wall materials?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ESAGR =
Roof's surface sags or is uneven

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does the roof's surface sag or appear uneven?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ESLOPW =
Outside walls slope/lean/slant/buckle

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do the outside walls slope, lean, buckle or slant?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EVROD =
Evidence of rodents in unit

1	Yes
2	No
B	Not applicable

Long description:
Have you ever seen signs of mice or rats INSIDE your housing unit ?
(EXCLUDE RATS/MICE KEPT AS PETS OR SNAKE FOOD OR OTHERWISE DELIBERATELY BROUGHT INSIDE)

Type:	Character
Edit flag variable:	JEVROD
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Noninterview]

EXPOSE =
Type B interior exposed to elements

1	Exposed to the elements?
2	Not exposed to the elements?
B	Not applicable
Blank	Not reported

Long description:
Is the interior-

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview] AND [NOT a storage and (NOT OTHER unit or converted to institutional unit or occupancy is NOT prohibited)] ; OR
2 : [NOT noninterview]

FREEZE =
Unit cold for 24+ hrs was uncomfortable

1	Yes
2	No
3	Did not live here last winter
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Last winter, for any reason, was your housing unit so cold for 24 hours or more that it was uncomfortable?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
3 : [Noninterview]

GRDMNT =
Satisfaction with grounds maintenance

1	Completely satisfied
2	Partly satisfied
3	Dissatisfied
4	Landlord not responsible for ground maintenance
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
On maintenance of the grounds, are you completely satisfied, partly satisfied, or dissatisfied?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

HOLES =
Holes in floor

1	Yes
2	No
B	Not applicable

Long description:
How about the floors in this housing unit
Are any holes in the floors big enough for someone to catch their foot on?
(ABOUT 4 INCHES ACROSS ABOUT THE HEIGHT OF A SOUP CAN)

Type:	Character
Edit flag variable:	JHOLES
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

HOWH =
Rating of unit as a place to live

1:10	Rating (10 is best, 1 is worst)
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
On a scale of 1 to 10, how would you rate your unit as a place to live?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview]

IFBLOW =
Fuses blown or circuit breakers tripped

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Have any fuses blown or circuit breakers tripped in your home?

Type:	Character
Edit flag variable:	JFBLOW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No electrical wiring] ; OR
2 : [Noninterview]

IFCOLD =
Main heating equipment broke down

1	Yes
2	No, didn't break down OR no heating equipment
B	Not applicable
D	Don't Know

Long description:
Was that because the MAIN heating equipment broke down?

Type:	Character
Edit flag variable:	JFCOLD
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
3 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
4 : [Noninterview]

IFDRY =
Unit completely without running water

1	Yes
2	No water stoppage
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Was your home ever COMPLETELY without running water

Type:	Character
Edit flag variable:	JIFDRY
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit does not have hot and cold running water] ; OR
3 : [Noninterview]

IFSEW =
Sewage system broke down

1	Yes
2	No
B	Not applicable

Long description:
Did the sewage system break down in your home -- that is, since last interview?

Type:	Character
Edit flag variable:	JIFSEW
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit is NOT connected to public sewer and (NOT septic tank or cesspool or chemical toilet sewage disposal)] ; OR
3 : [Noninterview]

IFTLT =
Any toilet breakdowns in last 3 months

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Was there any time in last 3 months when the toilet BROKEN, or STOPPED UP, or otherwise NOT WORKING, so you COULDN'T USE it?
Did that happen at all WITHIN THE PAST THREE MONTHS, that is, since 3 months ago (date)?

Type:	Character
Edit flag variable:	JIFTLT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There are less than two bathrooms in the unit and Unit does NOT have a flush toilet] ; OR
3 : [Noninterview]

ILEAK =

Any inside water leaks in last 12 months

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now about water leaks from INSIDE. Since you lived here, did water leak in -- from broken pipes or water heaters, backed up plumbing, or other equipment failure inside the unit?
Did any inside water leaks happen within the past 12 months -- that is, since 12 months ago (date)?

Type:	Character
Edit flag variable:	JILEAK
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Noninterview]

IMAINT =

Receive adequate maintenance

1	Yes
2	No

Long description:
In your opinion, do you receive adequate maintenance for your home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

LEAK =
Any outside water leaks in last 12 months

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
These next questions are about water leaks - either from OUTSIDE your housing unit or from INSIDE. While you have been living here, did water ever leak INTO your housing unit DIRECTLY FROM THE OUTSIDE -- for example, through the roof, outside walls, basement or any closed windows or skylights? Did water leak in from the outside, within the past 12 months, -- that is, since 12 months ago (date)?

Type:	Character
Edit flag variable:	JLEAK
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Noninterview]

LTSOK =
Hallway lights working

1	No public halls
2	All work
3	Some work
4	None work
5	No light fixtures
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any of the hallway lights in this building in working order?
Do all of the hallway lights work?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
2 : [Noninterview]

LTSOK1 =
Hallway lights working

1	Yes
2	No
3	No public halls
4	No light fixtures
5	Don't know

Long description:
Are any of the hallway lights in this building in working order?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
2 : [Noninterview]

LTSOK2 =
All hallway lights working

1	Yes
2	No

Long description:
Do all of the hallway lights work?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
2 : [Noninterview]

M3ROD =
Rodents seen in unit recently

1	Yes
2	No
B	Not applicable

Long description:
Was that within the past 3 months -- that is, since 3 months ago (date)?

Type:	Character
Edit flag variable:	JM3ROD
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit has no evidence of rodents] ; OR
3 : [Noninterview]

MAJR1 =
Starts major maintenance/repairs soon enough

1	Yes usually
2	Not usually
3	Very mixed
4	Haven't needed any
5	Landlord not responsible for maintenance
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When the owner has to do MAJOR maintenance or repairs:
Do they start quickly enough?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

MAJR2 =
Solves major problems quickly

1	Yes
2	No
3	Mixed
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do they solve the problem quickly once they start?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

MAJR3 =
Polite/considerate of home (major repairs)

1	Yes
2	No
3	Mixed
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are they polite and considerate of your home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

MICE =
Mice seen in unit recently

X	Mouse
B	Not applicable
Blank	Not reported

Long description:
Was it a rat, a mouse, or aren't you sure what it was?

Type:	Character
Edit flag variable:	JMICE
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit has no evidence of rodents] ; OR
3 : [Occupied interview] AND [Rodents have not been recently seen in unit] ; OR
4 : [Noninterview]

MINR1 =
Starts minor maintenance/repairs soon enough

1	Yes usually
2	Not usually
3	Very mixed
4	Haven't needed any
5	Landlord not responsible for minor repairs
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
For MINOR maintenance or repairs:
Do they start quickly enough?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

MINR2 =
Solves minor problems quickly

1	Yes
2	No
3	Mixed
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do they solve the problem quickly once they start?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

MINR3 =
Polite/considerate of home (min repairs)

1	Yes
2	No
3	Mixed
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are they polite and considerate of your home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Owned] ; OR
3 : [Noninterview]

NLEAK1 =
Inside water leak from some other source

X	Other (SPECIFY)
B	Not applicable
Blank	Not reported

Long description:
Where did the water come from?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any water leaks within the last 12 months] ; OR
3 : [Noninterview]

NLEAK2 =
Source of inside water leak unknown

X	Unknown
B	Not applicable
Blank	Not reported

Long description:
Where did the water come from?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any water leaks within the last 12 months] ; OR
3 : [Noninterview]

NOTSUR =
Not sure if rodents were rats or mice

X	Not sure
B	Not applicable
Blank	Not reported

Long description:
Was it a rat, a mouse, or aren't you sure what it was?

Type:	Character
Edit flag variable:	JOTSUR
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit has no evidence of rodents] ; OR
3 : [Occupied interview] AND [Rodents have not been recently seen in unit] ; OR
4 : [Noninterview]

NOWIRE =
Electrical wiring concealed by walls/wiring

1	Yes
2	No
3	No electrical wiring
B	Not applicable

Long description:
Is all the electrical wiring in the finished areas of this home concealed in the walls?
In our last interview in (year) we recorded that all the electrical wiring in the finished areas of this home was concealed in the walls. Is this still correct?
(EXCLUDE APPLIANCE CORDS, EXTENSION CORDS, CHANDELIER CORDS, PHONE, ANTENNA, CABLE TV WIRES, ETC.)

Type:	Character
Edit flag variable:	JOWIRE
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

NUMBLOW =
times fuses blown or breakers tripped

1:7	1-7 times
8	8 or more times
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
How many times fuses blown or breakers tripped?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No electrical wiring] ; OR
2 : [Occupied interview] AND [No fuses have been blown] ; OR
3 : [Noninterview]

NUMCOLD =
times main heating equipment broke down

0	Never broken down for 6 hours
1:7	1-7 breakdowns lasting 6 hours or more
8	8 or more breakdowns lasting 6 hours or more
B	Not applicable
D	Don't Know
R	Refused

Long description:
How many times did main heating equipment break down for 6 hours or more?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Cold temperature was not due to heating equipment breakdown or lack of equipment] ; OR
6 : [Noninterview]

NUMDRY =
times completely without running water

0	None lasted 6 hours
1:7	1-7 water stoppages lasting 6 hours or more
8	8 or more water stoppages lasting 6 hours or more
B	Not applicable
D	Don't Know

Long description:
How many times was it not available for 6 hours or more?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit does not have hot and cold running water] ; OR
3 : [Occupied interview] AND [Unit is not completely without running water] ; OR
4 : [Noninterview]

NUMSEW =
Number of sewage system breakdowns

0	None lasted 6 hours
1:7	1-7 sewage breakdowns lasting 6 hours or more
8	8 or more sewage breakdowns lasting 6 hours or more
B	Not applicable

Long description:
How many of these breakdowns lasted 6 hours or more?

Type:	Character
Edit flag variable:	JUMSEW
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Sewage system has not broken down] ; OR
3 : [Occupied interview] AND [Unit is NOT connected to public sewer and (NOT septic tank or cesspool or chemical toilet sewage disposal)] ; OR
4 : [Noninterview]

NUMTLT =

Number of toilet breakdowns 6 hours or more

0	Never broken down for 6 hours
1:7	1-7 toilet breakdowns lasting 6 hours or more
8	8 or more toilet breakdowns lasting 6 hours or more
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
And how many of those times toilet not working for SIX HOURS or MORE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There are less than two bathrooms in the unit and Unit does NOT have a flush toilet] ; OR
3 : [Occupied interview] AND [Toilet has not broken down in the past three months] ; OR
4 : [Noninterview]

OMAINT =

Buildings & grounds maintained properly

1	Yes
2	No

Long description:
In your opinion, are the buildings and grounds properly maintained?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

OTHCLD =
Unit cold for some other reason

1	Yes
2	No
B	Not applicable
R	Refused

Long description:
Was it cold for any other reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Cold temperature was not due to heating equipment breakdown or lack of equipment] ; OR
6 : [Noninterview]

OTLEAK =
Water leak from other outside source

X	Somewhere else (SPECIFY)
B	Not applicable
Blank	Not reported

Long description:
Did the water come in from the --

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any outside water leaks within the last 12 months] ; OR
3 : [Noninterview]

PILEAK =
Inside water leak from leaking pipes

X	Pipes leaked (include pipe leaks from other apartments)
B	Not applicable
Blank	Not reported

Long description:
Where did the water come from?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any water leaks within the last 12 months] ; OR
3 : [Noninterview]

PLEAK =
Inside water leak from plumbing fixtures

X	Own plumbing fixtures backed up and/or overflowed
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Where did the water come from?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any water leaks within the last 12 months] ; OR
3 : [Noninterview]

PLUMB =
Complete plumbing facilities in unit

1	have complete plumbing facilities for exclusive use
2	lacking complete plumbing facilities for exclusive use
B	Not applicable

Long description:
To have complete plumbing facilities, the unit must have exclusive use of hot and cold running water, a toilet, and a bathtub/shower in the bathroom. Lack of any of these items or lack of exclusive use means the unit does not have complete plumbing facilities.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RAILOK =
Railings on common stairs firmly attached

1	No stair railings
2	All firmly attached
3	Some/none firmly attached
B	Not applicable
D	Don't Know
R	Refused

Long description:
Are any railings on the common stairways firmly attached?
("Firmly Attached" = secured strongly enough to be used with complete confidence.)
Are all of them firmly attached?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(There are no common stairways)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
3 : [Noninterview]

RAILOK1 =
Railings on stairs firmly attached

1	Yes
2	No
3	No Stair Railings

Long description:
Are any railings on the common stairways firmly attached?
("Firmly Attached" = secured strongly enough to be used with complete confidence.)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
2 : [Noninterview]

RAILOK2 =
All stair railings firmly attached

1	Yes
2	No

Long description:
Are all of them firmly attached?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT apartment building and NOT attached mobile home] ; OR
2 : [Noninterview]

RATS =
Rats seen in unit recently

X	Rat
B	Not applicable
Blank	Not reported

Long description:
Was it a rat, a mouse, or aren't you sure what it was?

Type:	Character
Edit flag variable:	JRATS
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Unit has no evidence of rodents] ; OR
3 : [Occupied interview] AND [Rodents have not been recently seen in unit] ; OR
4 : [Noninterview]

RLEAK =
Water leak in roof

X	Roof
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Did the water come in from the --

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any outside water leaks within the last 12 months] ; OR
3 : [Noninterview]

TALWIR =
Aluminum wiring inspected before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for aluminum wiring?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TASB =
Unit tested for asbestos before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for asbestos?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TOILET =
Unit has a flush toilet

1	Yes
2	No
B	Not applicable

Long description:
Does this full bath contain a flush toilet?
Does this housing unit have a flush toilet?

Type:	Character
Edit flag variable:	JOILET
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

TRADON =
Unit tested for radon before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for radon?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TREP =
Repairs made because of inspection/test

1	yes
2	no
B	Not applicable
D	Don't Know
R	Refused

Long description:
Were any repairs or replacements made as a result of the inquiry, inspection, or test?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [Unit NOT tested for asbestos before purchase and Unit NOT tested for lead paint before purchase and Unit NOT tested for radon before purchase and Lead pipes NOT inspected before purchase and Lead solder NOT inspected before purchase and Water quality was NOT tested before purchase or don't know or refused and Aluminum wiring NOT inspected before purchase] ; OR
3 : [Occupied interview] AND [Not owned] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TWATER =
Water quality tested before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for water quality?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

WATERS =
Water safe for drinking & cooking

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
In your opinion, is the water from this source safe for cooking and drinking?

Type:	Character
Edit flag variable:	JATERS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

WHYCD1 =
Unit cold due to utility interruption

X	Utility interruption
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What was the reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Unit cold NOT for other reason and Cold temperature was due to heating equipment breaking down] ; OR
6 : [Noninterview]

WHYCD2 =
Unit cold due to inadeq. heating capacity

X	Inadequate heating capacity
B	Not applicable
Blank	Not reported

Long description:
What was the reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Unit cold NOT for other reason and Cold temperature was due to heating equipment breaking down] ; OR
6 : [Noninterview]

WHYCD3 =
Unit cold due to inadequate insulation

X	Inadequate insulation
B	Not applicable
Blank	Not reported

Long description:
What was the reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Unit cold NOT for other reason and Cold temperature was due to heating equipment breaking down] ; OR
6 : [Noninterview]

WHYCD4 =
Unit cold due to cost of heating

X	Cost of heating
B	Not applicable
Blank	Not reported

Long description:
What was the reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Unit cold NOT for other reason and Cold temperature was due to heating equipment breaking down] ; OR
6 : [Noninterview]

WHYCD5 =
Unit cold because of some other reason

X	Other, specify
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
What was the reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [(Don't if main heating equipment broke down or not applicable)] ; OR
3 : [Occupied interview] AND [Unit was not unbearably cold for 24 hours last winter] ; OR
4 : [Occupied interview] AND [There is no heating equipment or Type of heating equipment is not specified] ; OR
5 : [Occupied interview] AND [Unit cold NOT for other reason and Cold temperature was due to heating equipment breaking down] ; OR
6 : [Noninterview]

WLEAK =
Water leak in wall or closed door/window

X	Walls or around closed windows or closed doors
B	Not applicable
Blank	Not reported

Long description:
Did the water come in from the --

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any outside water leaks within the last 12 months] ; OR
3 : [Noninterview]

WTRHRL =
Source of inside water leak is broken water heat

X	Unknown
B	Not applicable
Blank	Not reported

Long description:
Where did the water come from?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [There have not been any water leaks within the last 12 months] ; OR
3 : [Noninterview]

ZADEQ =
Recoded adequacy of housing

1	adequate
2	moderately inadequate
3	severely inadequate
B	Not applicable

Long description:
New Description:
If the unit meets just one of the following conditions:

- Unit has less than 2 full bathrooms (BATHS < 2) and the unit has at least one of the following:
  - Unit does not have hot and cold running water (HOTPIP=’2')
  - Unit does not have a bathtub or shower (TUB=’2')
  - Unit does not have a flush toilet (TOILET=’2')
  - Unit shares plumbing facilities (SHARPF=’1')
- Unit was cold for 24 hours or more (FREEZE = '1') and there have been more than 2 breakdowns of the heating equipment that lasted longer than 6 hours (NUMCOLD is '3', ‘4',’5',’6',’7',or ‘8)
- Electricity is not used (BUYE = '1')
- Unit has exposed wiring (NOWIRE = '2') and not every room has working electrical plugs (PLUGS = '2') and the fuses have blown more than twice(NUMBLOW is '3', ‘4',’5',’6',’7',or ‘8')

then assign ZADEQ as severely inadequate (ZADEQ=’3')

Determine how many of the following conditions the unit meets:
Unit has had outside water leaks in the last 12 months (LEAK = '1')
Unit has had inside water leaks in the last 12 months (ILEAK = '1')
Unit has holes in the floor (HOLES = '1')
Unit has open cracks wider than a dime (CRACKS='1')
Unit has an area of peeling paint larger than 8 x 11 (BIGP = '1')
Rats have been seen recently in the unit (RATS = 'X')

- If the unit meets 5 or 6 of the conditions, then assign ZADEQ as severely inadequate (ZADEQ=’3')
- If the unit meets 3 or 4 of the conditions and has not been identified as being severely inadequate (ZADEQ=’3'), then assign ZADEQ as moderately inadequate (ZADEQ=’2')

If the unit has not been identified as being severely inadequate (ZADEQ=’3') and meets one of the following conditions:

- There have been more than 2 breakdowns of the toilet that lasted longer than 6 hours (NUMTLT is '3', ‘4',’5',’6',’7',or ‘8)
- The main heating equipment is unvented room heaters burning kerosene, gas, or oil (HEQUIP = 7)
- The unit is lacking complete kitchen facilities (KITCHEN = '2')

then assign ZADEQ as moderately inadequate (ZADEQ=’2')

Previous Description:
A unit is severely inadequate if any of the following conditions exist:
1. The unit lacks complete plumbing facilities.
2. There were 3 or more heating equipment breakdowns lasting 6 hours or more in the last 90 days.
3. The unit has no electricity.
4. The electrical wiring is not concealed, working wall outlets are not present in every room, and fuses/breakers blew 3 or more times in the last 90 days.
5. 5 or more of the following exist:
outside water leaks, inside water leaks, holes in the floor, cracks wider than a dime in the walls, areas of peeling paint or plaster larger than 8 1/2 x 11, rodents seen in the unit recently
6. all 4 of the following exist:
no working light fixtures or no light fixtures at all in public hallways, loose, broken, or missing steps in common stairways, stair railings not firmly attached or no stair railings on stairs at all, there are 3 or more floors between the unit and the main entrance to the building and there is no elevator
NOTE: This last condition was no longer used beginning with the 2007 surveys.

A unit is moderately inadequate if it is not severely inadequate and any of the following conditions exist:
1. The unit lacks complete kitchen facilities.
2. There were 3 or more toilet breakdowns lasting 6 hours or more in the last 90 days
3. An unvented room heater is the main heating equipment.
4. 3 or 4 of the following exist:
outside water leaks, inside water leaks, holes in the floor, cracks wider than a dime in the walls, areas of peeling paint or plaster larger than 8 1/2 x 11, rodents seen in the unit recently
5. 3 of the following exist:
no working light fixtures or no light fixtures at all in public hallways, loose, broken, or missing steps in common stairways, stair railings not firmly attached or no stair railings on stairs at all, there are 3 or more floors between the unit and the main entrance to the building and there is no elevator
NOTE: This last condition was no longer used beginning with the 2007 surveys.

A unit is adequate if it is neither severely nor moderately inadequate.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Housing Cost

Housing Costs data include monthly mortgage and rent costs, taxes, condominium or mobile home park fees, and insurance expenses. Utility costs for fuels, water and trash are documented in the Utilities section of this codebook. Indicators of whether a unit is in a public housing project or is subsidized, as well as information on housing costs paid by non-relatives living in the unit are documented in the Income Section of this codebook. The cost of routine maintenance is included in the housing costs summary variable—ZSMHC (see below).

The AHS distinguishes between several types of units in collecting housing cost data for owner-occupied units. The intent is to identify units where special factors affect the cost variables, e.g., units on more than 10 acres. Information is collected for all owner-occupied units. The questions distinguish between the cost associated with the sample unit itself and the costs associated with other portions of the property. The same variable name is used for all groups of respondents.

Costs for all households

Monthly housing costs: These data are combined into one variable (ZSMHC) by summing, when applicable, utility costs, real estate taxes, cost of homeowner insurance, condominium/homeowner's association fee, land/site rent, other mortgage charges, other required mortgage fees, mortgage payments, routine maintenance costs, and rent payments.

Costs for Owners

Value: The information is collected for all owner-occupied units, but is not collected for renter-occupied units.
For owner-occupied units, value represents the respondent's estimate of the property's sale price (house and lot) if it were for sale. For vacant units, value represents the property's sale price at the time of the interview, and may differ from the price at which the property is sold. The variable is available for all owner-occupied units and represents the value of the sample unit and its yard (VALUE). The value of the overall property for multi-family units, structures with commercial/medical establishments, and structures on more than 10 acres are recorded under the variable PVALUE.

Purchase Price: This is the price that was paid at the time the property was acquired (house and lot), not the estimated value at the time of the interview. If only the house is owned, but not the land, the respondent is asked for a combined estimate of the value of the house and lot at the time of purchase. If the house was a single-family unit at the time of purchase, but was split into two or more units since the purchase, the purchase price is the value of the complete structure at the time of the purchase. Purchase price includes the costs of furnishings if the property was acquired furnished. An estimate is accepted if the respondent does not know the exact purchase price. The amount reported excludes closing costs.

Fees: A “condominium fee” includes all operating and maintenance costs of the common property and related administrative costs such as utilities billed communally and management fees. A “cooperative maintenance fee” (also called carrying charges) is the share of the cooperative’s annual budget to be paid by the person occupying the sample unit, for real estate taxes, mortgage interest and operating costs. A “mobile home park fee” is the regular payment to the park management, which could include utility charges, mail handling, and/or fees for the maintenance of common areas. A “homeowners’ association fee” could include payments for the upkeep of common property (e.g., street lights, parking areas, lawns), the use and maintenance of recreational facilities, and security guards. Any fee that is optional is excluded.

Mortgage: A mortgage or similar debt refers to all forms of debt where the property is pledged as security for payment of the debt. It includes debt instruments such as deeds of trust, trust deeds, mortgage bonds, and vendor liens. In the first three arrangements, a third party, known as the trustee, holds the title to the property until the debt is paid. In the vendor lien arrangement, the buyer receives the title but the seller (vendor) reserves, in the deed to the buyer, a lien on the property to secure payment of the balance of the purchase price. Mortgage data include contracts to purchase, land contracts, and lease-purchase agreements, in which the title to the property stays with the seller until the agreed-upon payments have been made by the buyer.

Home Equity Loans/Lines of Credit: In 1997, the survey introduced 10 variables with information about aspects of home equity loans. The 2001 survey is further revised to differentiate between loans and lines of credit. A *home equity loan* is a fixed amount of money with a fixed repayment plan. A *home equity line of credit* is open-ended and may be available for as long as the person owns the unit.

Lower-Cost Mortgages: These are generally 1 to 3 percent below the current mortgage interest rate at the time the loan was obtained. These loans are managed through state or local governments, and financed from the proceeds from revenue bonds, e.g., loans for first-time homebuyers. These loans do not include federally funded programs from the Department of Veterans’ Affairs.

Wrap-around mortgage: A wrap-around mortgage is a second or junior mortgage with a face value of both the amount it secures and the balance due under the first mortgage.

Current Interest Rate: For variable interest rates, the respondent is asked to report the interest in effect at the time of the interview. If the last payment under the old schedule has been made, the rate for the next payment is recorded.

Monthly mortgage payment: The data includes all owner-occupied units. If a mortgage exists, data are collected on the monthly dollar amount paid for the mortgage’s principal and interest only. Separate amounts are available for the first mortgage, second mortgage, and any other mortgages combined.

Real estate taxes last year: The data come only from owner-occupied units. “Real estate taxes last year” refers to the yearly total amount of all real estate taxes payable in the entire property during the last billing period. It includes special assessments, school taxes, state and local real estate taxes. Excluded are payments on delinquent taxes due from prior years. Even

when the real estate taxes are included with the mortgage, a separate amount for the taxes is obtained. The information is collected for all units, including renter-occupied units, in which case the question refers to household property insurance.

Costs for Renters

Monthly Contract Rent: The monthly rent agreed to, or contracted for, even if the furnishings, utilities, or services are included. Starting in 1997, units reporting “no cash rent” still have a value calculated for them for total monthly housing costs. The effect is a slight decrease in the number of units reporting no monthly housing costs and a slight increase in the number of units reporting a small monthly housing cost.

ADDTN2 =
Percentage of 2nd mortgage used for additions/improvements

0:100	0-100 Percent
B	Not applicable
D	Don't Know
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

ADDTNS =
Percentage of 1st mortgage used for additions/improvements

0:100	0-100 Percent
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

AMMORT =
Amount of 1st mortgage when acquired

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
How much was left to pay off when you assumed it?
How much was borrowed?

Type:	Numeric
Edit flag variable:	JMMORT
Allocation Matrix:	Matrix H
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

AMMRT2 =
Amount of 2nd mortgage when acquired

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
How much was left to pay off when you assumed it?
How much was borrowed?

Type:	Numeric
Edit flag variable:	JMMRT2
Allocation Matrix:	Matrix H
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

AMMRT3 =
Amount borrowed by 3rd mortgage

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
For the third mortgage, how much did you borrow?

Type:	Numeric
Edit flag variable:	JMMRT3
Allocation Matrix:	Matrix H
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Has a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

AMMRT4 =
Amount borrowed by 4th & other mortgages

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
For the other mortgages, how much did you borrow?

Type:	Numeric
Edit flag variable:	JMMRT4
Allocation Matrix:	Matrix H
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Has a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Has a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages]

AMRTZ =
Years needed to pay off 1st mortgage

1:40	1-40 Years
B	Not applicable

Long description:
At your current payments, how long would it take to pay off the loan?

Type:	Numeric
Edit flag variable:	JAMRTZ
Allocation Matrix:	Matrix I
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and NOT assumed 1st mortgage] AND [(Term of 1st mortgage between 15 and 41 years)] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [Assumed 1st mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

AMRTZ2 =
Years needed to pay off 2nd mortgage

1:40	1-40 Years
B	Not applicable

Long description:
At your current payments, how long would it take to pay off the loan?

Type:	Numeric
Edit flag variable:	JMRTZ2
Allocation Matrix:	Matrix I
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and NOT assumed 2nd mortgage] AND [(Term of 2nd mortgage between 15 and 41 years)] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [Assumed 2nd mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

AMTI =
Annual cost of homeowners insurance

1:9997	$1-$9,997
9998	$9,998 or more
B	Not applicable

Long description:
In the last 12 months what was the total cost?

Type:	Numeric
Edit flag variable:	JAMTI
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [(Rent control/stabilization or NO rent control/stabilization) or Don't know if rent control/stabilization or Refused to disclose if rent control/stabilization] ; OR
4 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Owned by public housing authority] ; OR
5 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Government subsidizes rent for unit] ; OR
6 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
7 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
8 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
9 : [Occupied interview and (Rented or occupied without payment)] AND [Respondent does not have homeowner's insurance or Respondent doesn't know if home equity has homeowner's insurance or Respondent refused to answer if home equity has homeowner's insurance] ; OR
10 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

AMTM =
Amount of other charges included in 1st mortgage

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How much were the other charges last year?
(Exclude property tax and homeowner's insurance)

Type:	Numeric
Edit flag variable:	JAMTM
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage] AND [No other charges including in 1st mortgage payment] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

AMTM2 =
Amount of other charges included in 2nd mortgage

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
.	Not reported

Long description:
How much were the other charges last year?
(Exclude property tax and homeowner's insurance)

Type:	Numeric
Edit flag variable:	JAMTM2
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage] AND [No other charges including in 2nd mortgage payment] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

AMTT =
Annual cost of garbage & trash

4:9997	$4-$9,997
9998	$9,998 or more
B	Not applicable

Long description:
From 12 months ago to current month and year, what was the total cost for garbage and trash collection?

Type:	Numeric
Edit flag variable:	JAMTT
Allocation Matrix:	Matrix D
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
5 : [Occupied interview] AND [Garbage and trash billed with other utilities]

AMTW =
Annual cost of water & sewage

4:9997	$4-$9,997
9998	$9,998 or more
B	Not applicable

Long description:
From 12 months ago to current month and year, what was the total cost for water supply and sewage disposal?

Type:	Numeric
Edit flag variable:	JAMTW
Allocation Matrix:	Matrix D
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
5 : [Occupied interview] AND [Water and sewage billed with other utilities]

AMTX =
Annual real estate tax payment

0	$0
50	$1 - $99
150	$100 - $199
250	$200 - $299
350	$300 - $399
450	$400 - $499
550	$500 - $599
650	$600 - $699
750	$700 - $799
850	$800 - $899
950	$900 - $999
1050	$1,000 - $1,099
1150	$1,100 - $1,199
1250	$1,200 - $1,299
1350	$1,300 - $1,399
1450	$1,400 - $1,499
1550	$1,500 - $1,599
1650	$1,600 - $1,699
1750	$1,700 - $1,799
1850	$1,800 - $1,899
1950	$1,900 - $1,999
2050	$2,000 - $2,099
2150	$2,100 - $2,199
2250	$2,200 - $2,299
2350	$2,300 - $2,399
2450	$2,400 - $2,499
2550	$2,500 - $2,599
2650	$2,600 - $2,699
2750	$2,700 - $2,799
2850	$2,800 - $2,899
2950	$2,900 - $2,999
3050	$3,000 - $3,099
3150	$3,100 - $3,199
3250	$3,200 - $3,299
3350	$3,300 - $3,399
3450	$3,400 - $3,499
3550	$3,500 - $3,599
3650	$3,600 - $3,699
3750	$3,700 - $3,799
3850	$3,800 - $3,899
3950	$3,900 - $3,999
4050	$4,000 - $4,099
4150	$4,100 - $4,199
4250	$4,200 - $4,299
4350	$4,300 - $4,399
4450	$4,400 - $4,499
4550	$4,500 - $4,599
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.
The values are rounded to the nearest integer in the sequence 5, 15, 25, 35, 45.

ARM =

1st mortgage changes due to interest rate

X	Change based on interest rates
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

ARM2 =
2nd mortgage changes due to interest rate

X	Change based on interest rates
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

ARMASK =
1st mortgage changes for other reason

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Do they change for any other reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage and 1st mortgage payments do NOT change] AND [First mortgage changes for taxes/insurance and (Changes in first mortgage are due to interest rate or Part of first mortgage payments rise on fixed schedule or Entire first mortgage payments rise on fixed schedule or First mortgage's last payment was greatest or 1st mortgage changes for other reason)] ; OR
3 : [Occupied interview and Owned and One or more regular mortgage and 1st mortgage payments do NOT change] AND [First mortgage does not change for taxes/insurance] ; OR
4 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

ARMASK2 =
2nd mortgage changes for other reason

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Do they change for any other reason?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage and 2nd mortgage payments do NOT change] AND [Second mortgage changes for taxes/insurance and (Changes to second mortgage are due to interest rate or Part of second mortgage payments rise on fixed schedule or Entire second mortgage payments rise on fixed schedule or Second mortgage's last payment was greatest or 2nd mortgage changes for other reason)] ; OR
5 : [Occupied interview and Owned and Two or more regular mortgage and 2nd mortgage payments do NOT change] AND [Second mortgage does not change for taxes/insurance] ; OR
6 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
7 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages]

BANK =
1st mortgage borrowed from bank

1	Bank or Organization
2	Individual
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you borrow money from a bank or other organization OR did you borrow it from an individual?

Type:	Character
Edit flag variable:	JBANK
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is NOT other type and Know type of 1st mortgage and Didn't refuse to disclose type of 1st mortgage] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

BANK2 =
2nd mortgage borrowed from bank

1	Bank or Organization
2	Individual
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you borrow money from a bank or other organization OR did you borrow it from an individual?

Type:	Character
Edit flag variable:	JBANK2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is NOT other type and Know type of 2nd mortgage and Didn't refuse to disclose type of 2nd mortgage] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

BLOON =
1st mortgage's last payment biggest

X	Last payment biggest
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	JBLOON
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

BLOON2 =
2nd mortgage's last payment biggest

X	Last payment biggest
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	JBLOON2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

BUYI =
Household has homeowners insurance

1	Yes
2	No
B	Not applicable

Long description:
Does this household have homeowner's insurance?
Does this household have household property insurance?

Type:	Character
Edit flag variable:	JBUYI
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [(Rent control/stabilization or NO rent control/stabilization) or Don't know if rent control/stabilization or Refused to disclose if rent control/stabilization] ; OR
4 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Owned by public housing authority] ; OR
5 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Government subsidizes rent for unit] ; OR
6 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
7 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
8 : [(NOT occupied interview or URE interview or vacant interview)]

BUYT =
Pay for garbage/trash separately

1	Not used
2	Included in rent, site rent, condominium or other fee, etc.
3	Obtained free
B	Not applicable
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	JBUYT
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of garbage and sewer is within range)] ; OR
5 : [Occupied interview] AND [Garbage and trash billed with other utilities]

BUYT2 =
Pay for garbage/trash separately

1	Yes
2	No
3	Not used
B	Not applicable

Long description:
Do you pay for garbage and trash collection?
Are you billed separately for garbage and trash collection?

Type:	Character
Edit flag variable:	JBUYT2
Allocation Matrix:	Matrix D, E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview]

BUYW =
Pay for water/sewage separately

2	Included in rent, site rent, condominium or other fee, etc.
3	Obtained free
B	Not applicable
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	JBUYW
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of water is within range)] ; OR
5 : [Occupied interview] AND [Water and sewage billed with other utilities]

BUYW2 =
Pay for water/sewage separately

1	Yes
2	No
3	Not used
B	Not applicable

Long description:
Do you pay for water and sewage disposal?
Are you billed separately for water and sewage disposal?

Type:	Character
Edit flag variable:	JBUYW2
Allocation Matrix:	Matrix D, E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview]

CANVAR =
Term of 1st mortgage can vary

X	Can Vary
B	Not applicable
Blank	Not reported

Long description:
When you first obtained THIS mortgage, how many years was it for?

Type:	Character
Edit flag variable:	JANVAR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage] AND [Assumed 1st mortgage] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

CANVR2 =
Term of 2nd mortgage can vary

X	Can Vary
B	Not applicable
Blank	Not reported

Long description:
When you first obtained THIS mortgage, how many years was it for?

Type:	Character
Edit flag variable:	JANVR2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage] AND [Assumed 2nd mortgage] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

CASH =

Amount of cash received from 1st mortgage

1:999999	$1-999,999
B	Not applicable
B	Not applicable
D	Don't Know
.	Not reported
R	Refused

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

CASH2 =

Amount of cash received from 2nd mortgage

1:999999	$1-999,999
D	Don't Know
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

CONFEE =
Monthly condo/homeowner's association/mobile home fee

0	$0
5	$1 - $9
15	$10 - $19
25	$20 - $29
35	$30 - $39
45	$40 - $49
55	$50 - $59
65	$60 - $69
75	$70 - $79
85	$80 - $89
95	$90 - $99
105	$100 - $109
115	$110 - $119
125	$120 - $129
135	$130 - $139
145	$140 - $149
155	$150 - $159
165	$160 - $169
175	$170 - $179
185	$180 - $189
195	$190 - $199
205	$200 - $209
215	$210 - $219
225	$220 - $229
235	$230 - $239
245	$240 - $249
255	$250 - $259
265	$260 - $269
275	$270 - $279
285	$280 - $289
295	$290 - $299
305	$300 - $309
315	$310 - $319
325	$320 - $329
335	$330 - $339
345	$340 - $349
355	$350 - $359
365	$360 - $369
375	$370 - $379
385	$380 - $389
395	$390 - $399
405	$400 - $409
415	$410 - $419
425	$420 - $429
435	$430 - $439
445	$440 - $449
455	$450 - $459
465	$460 - $469
475	$470 - $479
485	$480 - $489

495	$490	-	$499
505	$500	-	$509
515	$510	-	$519
525	$520	-	$529
535	$530	-	$539
545	$540	-	$549
555	$550	-	$559
565	$560	-	$569
575	$570	-	$579
585	$580	-	$589
595	$590	-	$599
605	$600	-	$609
615	$610	-	$619
625	$620	-	$629
635	$630	-	$639
645	$640	-	$649
655	$650	-	$659
665	$660	-	$669
675	$670	-	$679
685	$680	-	$689
695	$690	-	$699
705	$700	-	$709
715	$710	-	$719
725	$720	-	$729
735	$730	-	$739
745	$740	-	$749
755	$750	-	$759
765	$760	-	$769
775	$770	-	$779
785	$780	-	$789
795	$790	-	$799
805	$800	-	$809
815	$810	-	$819
825	$820	-	$829
835	$830	-	$839
845	$840	-	$849
855	$850	-	$859
865	$860	-	$869
875	$870	-	$879
885	$880	-	$889
895	$890	-	$899
905	$900	-	$909
915	$910	-	$919
925	$920	-	$929
935	$930	-	$939
945	$940	-	$949
955	$950	-	$959
965	$960	-	$969
975	$970	-	$979
985	$980	-	$989
995	$990	-	$999
1005	$1,000	-	$1,009
1015	$1,010	-	$1,019

1025	$1,020	-	$1,029
1035	$1,030	-	$1,039
1045	$1,040	-	$1,049
1055	$1,050	-	$1,059
1065	$1,060	-	$1,069
1075	$1,070	-	$1,079
1085	$1,080	-	$1,089
1095	$1,090	-	$1,099
1105	$1,100	-	$1,109
1115	$1,110	-	$1,119
1125	$1,120	-	$1,129
1135	$1,130	-	$1,139
1145	$1,140	-	$1,149
1155	$1,150	-	$1,159
1165	$1,160	-	$1,169
1175	$1,170	-	$1,179
1185	$1,180	-	$1,189
1195	$1,190	-	$1,199
1205	$1,200	-	$1,209
1215	$1,210	-	$1,219
1225	$1,220	-	$1,229
1235	$1,230	-	$1,239
1245	$1,240	-	$1,249
1255	$1,250	-	$1,259
1265	$1,260	-	$1,269
1275	$1,270	-	$1,279
1285	$1,280	-	$1,289
1295	$1,290	-	$1,299
1305	$1,300	-	$1,309
1315	$1,310	-	$1,319
1325	$1,320	-	$1,329
1335	$1,330	-	$1,339
1345	$1,340	-	$1,349
1355	$1,350	-	$1,359
1365	$1,360	-	$1,369
1375	$1,370	-	$1,379
1385	$1,380	-	$1,389
1395	$1,390	-	$1,399
1405	$1,400	-	$1,409
1415	$1,410	-	$1,419
1425	$1,420	-	$1,429
1435	$1,430	-	$1,439
1445	$1,440	-	$1,449
1455	$1,450	-	$1,459
1465	$1,460	-	$1,469
1475	$1,470	-	$1,479
1485	$1,480	-	$1,489

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes

Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.
The values are rounded to the nearest integer in the sequence 50, 150, 250, 350.

CPRICE =

Cost of construction plus value of land

1:999997	$1-$999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What was the construction cost as well as the value of the land at that time?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [(Purchase price of unit and land was between 1 and 999998) or Doesn't know purchase price of land and unit or Refused to answer what the purchase price of the land and unit was] ; OR
3 : [Occupied interview and Owned] AND [Received unit as gift or inheritance or Unit is a gift or inheritance] ; OR
4 : [Occupied interview] AND [Not owned] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

CSTMNT =
Annual cost for routine maintenance

0	Nothing
1:9997	$1 - $9,997
9998	$9,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
In a TYPICAL YEAR about how much does your household spend for routine repairs and maintenance, such as painting, plumbing, roofing, or other minor repairs?
(IF DON'T KNOW, ASK FOR BEST ESTIMATE)

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded in the 99.5th percentile.

DWNPAY =
Main source of downpayment on unit

1	Sale of previous home if sold during 12 months prior to purchase of new home
2	Savings or cash on hand
3	Sale of other investment
4	Borrowing, other than a mortgage on this property
5	Inheritance or gift
6	Land where building was built used for financing
7	Other (Specify)
8	No down payment
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Was the main source of down payment the sale of a previous home, savings, or something else? (IF BOUGHT OUTRIGHT, ENTER MAIN SOURCE OF FULL PAYMENT)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [Received unit as gift or inheritance or Unit is a gift or inheritance] ; OR
3 : [Occupied interview] AND [Not owned] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

DOWNPCT =

Down payment percentage

0	No down payment
1	0-2 percent
2	3-5 percent
3	6-10 percent
4	11-15 percent
5	16-20 percent
6	21-40 percent
7	41-99 percent
8	Bought outright
B	Not applicable
D	Don't Know
R	Refused

Long description:
Recode - Down payment as a percentage of purchase price

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview]; OR
2 : [Occupied interview and Renter]

EXTLN2 =

2nd mortgage refinanced to renew/extend

X	Refinanced to renew/extend loan
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

EXTLON =
1st mortgage refinanced to renew/extend

X	Refinanced to renew/extend loan
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

FIXED =
1st mortgage changes for taxes/insurance

X	Change in taxes or insurance, or due to decline in principal balance
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

FIXED2 =
2nd mortgage changes for taxes/insurance

X	Change in taxes or insurance, or due to decline in principal balance
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

FLRENT =
Frequency of land/site rent payment

1:52	1-52 times per year
53	53 times or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How many times a year is the land/site rent due?
How many times a year is the land rent due?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required) and (One-unit or apartment building) and (Unit is a condo or cooperative)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Separate rent is not paid for land or Did not know if separate rent was paid for land or Refused to answer whether separate rent was paid for land) and (Unit is not a condo or cooperative) and (One-unit or apartment building)] ; OR
3 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
4 : [(Occupied interview or URE interview or vacant interview)] AND [Separate rent is not paid for land or Did not know if separate rent was paid for land or Refused to answer whether separate rent was paid for land] ; OR
5 : [(URE interview or vacant interview) and (For sale only or Sold, but not yet occupied)] AND [(Refused to disclose if household owns land on which mobile home sits or Don't know if household owns land or Refused to disclose if household owns land) and (Mobile home)] ; OR
6 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
7 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
8 : [Occupied interview and Owned and Have mortgage] AND [Land rent included with mortgage payment] ; OR

9 : [Occupied interview and Owned] AND [(Household owns land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits) and (Mobile home)]

FMHOTF =
Frequency of other mobile home fee payments

1:52	1-52 times per year
53	53 times or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How many times a year are the fees due?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Other mobile home fees are not required or Did not know if other mobile home fees are required or Refused to answer whether other mobile home fees were required) and (Mobile home) and (Mobile home NOT to be moved)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [(NOT mobile home)] ; OR
4 : [(Occupied interview or URE interview or vacant interview)] AND [Other mobile home fees are not required or Did not know if other mobile home fees are required or Refused to answer whether other mobile home fees were required] ; OR
5 : [(URE interview or vacant interview)] AND [(Mobile home) and (For sale only or Sold, but not yet occupied) and Mobile home to be moved] ; OR
6 : [(URE interview or vacant interview)] AND [(Mobile home) and (NOT for rent, rented, for sale, or sold)] ; OR
7 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
8 : [(NOT occupied interview or URE interview or vacant interview)]

FRENT =
Frequency of rent payment

1:52	1-52 times per year
53	53 times or more
B	Not applicable

Long description:
How often is the rent payment for this unit due?

Type:	Numeric
Edit flag variable:	JFRENT
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
5 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance] ; OR
6 : [Occupied interview] AND [Occupied without payment]

GPM =
1st mortgage payments rise on fixed schedule part

X	Rise at fixed schedule during part of loan
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

GPM2 =
2nd mortgage payments rise on fixed schedule part

X	Rise at fixed schedule during part of loan
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

GPMW =
1st mortgage payments rise on fixed schedule whole

X	Rise at fixed schedule during whole length of loan
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

GPMW2 =
2nd mortgage payments rise on fixed schedule whole

X	Rise at fixed schedule during whole length of loan
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

GTCAS2 =
2nd mortgage refinanced to receive cash

X	Refinanced to receive cash
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

GTCASH =
1st mortgage refinanced to receive cash

X	Refinanced to receive cash
B	Not applicable
D	Don't Know
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HEARHS =
How first heard about this unit

1	Advertisement (newspaper, booklet of homes available, internet, etc)
2	Broker
3	Sign on property
4	Friend, relative, or acquaintance
5	Other - Specify
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How did you hear about this housing unit?
Probe: How did you FIRST hear?(if more than one source)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HEBAL1 =
Outstanding loan against 1st home equity loan

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Do you now have an outstanding loan borrowed against 1st home equity loan?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans and The first home equity loan is not a line of credit] AND [The first home equity loan is not a lump sum] ; OR
3 : [Occupied interview and Owned and One or more home equity loans] AND [The first home equity loan is a lump sum] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEBAL2 =
Outstanding loan against 2nd home equity loan

1	Yes
2	No
B	Not applicable

Long description:
Do you now have an outstanding loan borrowed against the second loan?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans and The second home equity loan is not a line of credit] AND [The second home equity loan is not a lump sum] ; OR
4 : [Occupied interview and Owned and Two or more home equity loans] AND [The second home equity loan is a lump sum] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEBAL3 =
Outstanding loan against 3rd home equity loan

1	Yes
2	No
B	Not applicable

Long description:
Do you now have an outstanding loan borrowed against the third loan?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon, possible that there are no cases in the data.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans and The third home equity loan is not a line of credit] AND [The third home equity loan is not a lump sum] ; OR
5 : [Occupied interview and Owned and Three or more home equity loans] AND [The third home equity loan is a lump sum] ; OR
6 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
10 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEBAM1 =
Outstanding balance on 1st home equity loan

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What is your current (outstanding) balance on 1st home equity loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans and The first home equity loan is a line of credit] AND [No outstanding loan against first home equity loan] ; OR
3 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEBAM2 =
Outstanding balance on 2nd home equity loan

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
.	Not reported

Long description:
What is your current (outstanding) balance on the second loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans and The second home equity loan is a line of credit] AND [No outstanding loan against second home equity loan] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEBAM3 =
Outstanding balance on 3rd home equity loan

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
What is your current (outstanding) balance on the third loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans and The third home equity loan is a line of credit] AND [No outstanding loan against third home equity loan] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HECR1 =
Credit limit on 1st home equity loan

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused

Long description:
What is your total credit limit on your 1st home equity loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [The first home equity loan is not a line of credit] ; OR
3 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HECR2 =
Credit limit on 2nd home equity loan

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know

Long description:
What is your total credit limit on your second home equity loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [The second home equity loan is not a line of credit] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HECR3 =
Credit limit on 3rd home equity loan

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
What is your total credit limit on your third home equity loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon, possible that there are no cases in the data.
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans] AND [The third home equity loan is not a line of credit] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEINF1 =
Interest rate on 1st home equity loan - fraction

0	no fraction
1	1/8 percent
2	1/4 percent
3	3/8 percent
4	1/2 percent
5	5/8 percent
6	3/4 percent
7	7/8 percent
B	Not applicable

Long description:
What is the current interest rate on 1st home equity loan
(Round down to nearest 1/8 percent)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For 1999 National and 1998 Metro surveys the valid values are:
0 = no fraction
1 = 1/4 percent
2 = 1/2 percent
3 = 3/4 percent

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans and Outstanding loan against first home equity loan and Does not know if there is an outstanding loan against first home equity loan and Refused to answer if there is an outstanding loan against first home equity loan] AND [(Interest rate on first home equity loan is not between 1 and 25%)] ; OR
3 : [Occupied interview and Owned and One or more home equity loans and The first home equity loan is a line of credit] AND [No outstanding loan against first home equity loan] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR

7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEINF2 =
Interest rate on 2nd home equity loan - fraction

0	no fraction
1	1/8 percent
2	1/4 percent
3	3/8 percent
4	1/2 percent
5	5/8 percent
6	3/4 percent
7	7/8 percent
B	Not applicable

Long description:
What is the current interest rate on the second loan?
(Round down to nearest 1/8 percent)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For 1999 National and 1998 Metro surveys the valid values are:
0 = no fraction
1 = 1/4 percent
2 = 1/2 percent
3 = 3/4 percent

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans and Outstanding loan against second home equity loan and Does not know if there is an outstanding loan against second home equity loan and Refused to answer if there is an outstanding loan against second home equity loan] AND [(Interest rate on second home equity loan is not between 1 and 25%)] ; OR
4 : [Occupied interview and Owned and Two or more home equity loans and The second home equity loan is a line of credit] AND [No outstanding loan against second home equity loan] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR

7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEINF3 =
Interest rate on 3rd home equity loan - fraction

0	no fraction
1	1/8 percent
2	1/4 percent
3	3/8 percent
4	1/2 percent
5	5/8 percent
6	3/4 percent
7	7/8 percent
B	Not applicable

Long description:
What is the current interest rate on the third loan?
(Round down to nearest 1/8 percent)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Notes:
For 1999 National and 1998 Metro surveys the valid values are:
0 = no fraction
1 = 1/4 percent
2 = 1/2 percent
3 = 3/4 percent

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans and Outstanding loan against third home equity loan and Does not know if there is an outstanding loan against third home equity loan and Refused to answer if there is an outstanding loan against third home equity loan] AND [(Interest rate on third home equity loan is not between 1 and 25%)] ; OR
5 : [Occupied interview and Owned and Three or more home equity loans and The third home equity loan is a line of credit] AND [No outstanding loan against third home equity loan] ; OR
6 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR

9 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
10 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEINW1 =
Interest rate on 1st home equity loan - whole #

1:12	1-12% (whole number part)
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What is the current interest rate on 1st home equity loan
(Round down to nearest 1/8 percent)

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans and The first home equity loan is a line of credit] AND [No outstanding loan against first home equity loan] ; OR
3 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEINW2 =
Interest rate on 2nd home equity loan - whole #

1:12	1-12% (whole number part)
B	Not applicable
D	Don't Know
.	Not reported

Long description:
What is the current interest rate on the second loan?
(Round down to nearest 1/8 percent)

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans and The second home equity loan is a line of credit] AND [No outstanding loan against second home equity loan] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEINW3 =
Interest rate on 3rd home equity loan - whole #

1:12	1-12% (whole number part)
B	Not applicable

Long description:
What is the current interest rate on the third loan?
(Round down to nearest 1/8 percent)

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans and The third home equity loan is a line of credit] AND [No outstanding loan against third home equity loan] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEL =

Has a home equity loan

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you (also) have a Home Equity loan or Home Equity line of credit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Notes:
In 1997, in MORTG module.

HELC =

Has a home equity line of credit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HELCN =
Number of home equity lines of credit

1:100	1-100 lines of credit
B	Not applicable
D	Don't Know
R	Refused

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HELMP1 =
1st home equity loan lump sum

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How much was the lump sum of 1st home equity loan

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans and The first home equity loan is not a line of credit] AND [The first home equity loan is not a lump sum] ; OR
3 : [Occupied interview and Owned and One or more home equity loans] AND [The first home equity loan is a line of credit] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HELMP2 =
2nd home equity loan lump sum

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know

Long description:
How much was the lump sum on the second loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans and The second home equity loan is not a line of credit] AND [The second home equity loan is not a lump sum] ; OR
4 : [Occupied interview and Owned and Two or more home equity loans] AND [The second home equity loan is a line of credit] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HELMP3 =
3rd home equity loan lump sum

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable

Long description:
How much was the lump sum on the third loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans and The third home equity loan is not a line of credit] AND [The third home equity loan is not a lump sum] ; OR
5 : [Occupied interview and Owned and Three or more home equity loans] AND [The third home equity loan is a line of credit] ; OR
6 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
10 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HELUMN =
Number of lump sum home equity loans

1:100	1-100 Loans
B	Not applicable

Type:	Numeric
Edit flag variable:	JELUMN
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HELUMP =
Has a lump sum home equity loan

1	Yes
2	No
B	Not applicable

Type:	Character
Edit flag variable:	JELUMP
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HENUM =
Number of home equity loans

1:100	1-100 Loans
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How many home equity loans do you have?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Notes:
In 1997, in MORTG module.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
2 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEPMT1 =
1st home equity loan monthly payment

1:9997	$1-9997
9998	$9998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What was your last monthly payment?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans and The first home equity loan is a line of credit] AND [No outstanding loan against first home equity loan] ; OR
3 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEPMT2 =
2nd home equity loan monthly payment

1:9997	$1-9997
9998	$9998 or more
B	Not applicable
D	Don't Know
.	Not reported

Long description:
What was your last monthly payment on the second loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans and The second home equity loan is a line of credit] AND [No outstanding loan against second home equity loan] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HEPMT3 =
3rd home equity loan monthly payment

1:9997	$1-9997
9998	$9998 or more
B	Not applicable

Long description:
What was your last monthly payment on the third loan?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and Three or more home equity loans and The third home equity loan is a line of credit] AND [No outstanding loan against third home equity loan] ; OR
5 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HETYP1 =
1st home equity loan type

1	Line of credit
2	Lump sum
B	Not applicable
D	Don't Know
R	Refused

Long description:
Some people have a home equity loan that allows them to borrow against it as often as they wish up to a fixed limit. Other loans are a one-time, lump sum payment, which must be repaid over a period of time. What kind of home equity loan is the 1st loan? Is it a line of credit, or lump sum?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HETYP2 =
2nd home equity loan type

1	Line of credit
2	Lump sum
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
What kind of home equity loan is the second loan? Is it a line of credit, or lump sum?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

HETYP3 =
3rd home equity loan type

1	Line of credit
2	Lump sum
B	Not applicable

Long description:
What kind of home equity loan is the third loan? Is it a line of credit, or lump sum?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [Occupied interview and Owned and Has a home equity loan] AND [Less than one home equity loan] ; OR
2 : [Occupied interview and Owned and One or more home equity loans] AND [One home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more home equity loans] AND [Two home equity loans] ; OR
4 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Four or more regular mortgage] AND [Does not have a home equity loan] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan]

IFFEE =
Condo/co-op/assoc/mobile home park fee required

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is there a required condo/co-op association fee?
Do you pay any required mobile home park fee?
Are there any required mobile home park fee?
Is there a required homeowner's association fee?

Type:	Character
Edit flag variable:	JIFFEE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and (Rented or occupied without payment)) or ((URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied)))] AND [(One-unit or apartment building)] ; OR
2 : [(URE interview or vacant interview) and (For sale only or Sold, but not yet occupied)] AND [Mobile home to be moved] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(NOT occupied interview or URE interview or vacant interview)]

IMPROV =
Funds from 1st home equity loan used for additions/improvements

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

IMPRV2 =
Funds from 2nd home equity loan used for additions/improvements

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

INCPER =
1st mortgage refinanced to increase payment

X	Refinanced to increase payment period
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

INCPR2 =
2nd mortgage refinanced to increase payment

X	Refinanced to increase payment period
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

INCS =
Pay separate rent for land

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you pay separate rent for the land?
In some parts of the country people own their homes but rent the land.
Do you pay rent for the land?
Do you separate rent for the land?

Type:	Character
Edit flag variable:	JINCS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required) and (One-unit or apartment building) and (Unit is a condo or cooperative)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
3 : [(URE interview or vacant interview) and (For sale only or Sold, but not yet occupied)] AND [(Refused to disclose if household owns land on which mobile home sits or Don't know if household owns land or Refused to disclose if household owns land) and (Mobile home)] ; OR
4 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and Owned] AND [(Household owns land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits) and (Mobile home)] ; OR
7 : [Occupied interview and Owned] AND [(Household doesn't own land on which mobile home sits or Not reported if household owns land on which mobile home sits) and No mortgages and (Mobile home)]

INPMT2 =
2nd mortgage payment includes insurance

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Besides principal and interest, does the payment include homeowner's insurance?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

INSPMT =
1st mortgage payment includes insurance

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Besides principal and interest, does the payment include homeowner's insurance?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

INTF =
Interest rate of 1st mortgage - fraction

0	no fraction
1	1/8 percent
2	1/4 percent
3	3/8 percent
4	1/2 percent
5	5/8 percent
6	3/4 percent
7	7/8 percent
B	Not applicable

Long description:
What is the current interest rate on the mortgage?
(Rounded down to nearest 1/8 percent)

Type:	Character
Edit flag variable:	JINTF
Allocation Matrix:	Matrix I
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For 1997 National and 1998 Metro surveys the valid values are:
0 = no fraction
1 = 1/4 percent
2 = 1/2 percent
3 = 3/4 percent

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

INTF2 =
Interest rate of 2nd mortgage - fraction

0	no fraction
1	1/8 percent
2	1/4 percent
3	3/8 percent
4	1/2 percent
5	5/8 percent
6	3/4 percent
7	7/8 percent
B	Not applicable

Long description:
What is the current interest rate on the mortgage?
(Rounded down to nearest 1/8 percent)

Type:	Character
Edit flag variable:	JINTF2
Allocation Matrix:	Matrix I
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For 1999 National and 1998 Metro surveys the valid values are:
0 = no fraction
1 = 1/4 percent
2 = 1/2 percent
3 = 3/4 percent

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

INTW =
Interest rate of 1st mortgage - whole #

1:20	1-20% (whole number part)
B	Not applicable

Long description:
What is the current interest rate on the mortgage?
(Rounded down to nearest 1/8 percent)

Type:	Numeric
Edit flag variable:	JINTW
Allocation Matrix:	Matrix I
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

INTW2 =
Interest rate of 2nd mortgage - whole #

1:20	1-20% (whole number part)
B	Not applicable

Long description:
What is the current interest rate on the mortgage?
(Rounded down to nearest 1/8 percent)

Type:	Numeric
Edit flag variable:	JINTW2
Allocation Matrix:	Matrix I
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

LANDC =
Land contract for mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

LANPMT =
Land rent included with mortgage payment

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Is the land rent included with the mortgage payment?

Type:	Character
Edit flag variable:	JANPMT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and Owned and No mortgages) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [Unit is not a condo or cooperative and Separate rent is paid for land and (One-unit or apartment building)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required) and (One-unit or apartment building) and (Unit is a condo or cooperative)] ; OR
3 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Other mobile home fees are not required or Did not know if other mobile home fees are required or Refused to answer whether other mobile home fees were required) and (Mobile home) and (Mobile home NOT to be moved)] ; OR
4 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Separate rent is not paid for land or Did not know if separate rent was paid for land or Refused to answer whether separate rent was paid for land) and (Unit is not a condo or cooperative) and (One-unit or apartment building)] ; OR
5 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
6 : [(Occupied interview or URE interview or vacant interview)] AND [Other mobile home fees are required] ; OR
7 : [(URE interview or vacant interview)] AND [(For rent only or 'for rent or for sale') or Rented, but not yet occupied] ; OR
8 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
9 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
10 : [Occupied interview] AND [Rented] ; OR
11 : [Occupied interview] AND [Occupied without payment]

LOOKHS =
Looked at both houses/mobile home & apartments

1	Yes
2	No
3	Looked only at this unit
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you look at both houses and apartments?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

LOOKNS =
Looked at other neighborhoods

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When you were going to move, did you look for a house/apartment in any neighborhood other than this?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

LOON =
% of 1st mortgage due in last payment

1	1-25 percent
2	26-50 percent
3	51-75 percent
4	76-100 percent
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Of the total amount you borrowed, what percentage will have to be paid off in this last payment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage and 1st mortgage payments do NOT change and First mortgage changes for taxes/insurance and Changes in first mortgage are not due to interest rate and Part of first mortgage payments do not change and Entire first mortgage payments do not change and First mortgage's last payment was not greatest and 1st mortgage doesn't change for other reason] AND [Payments on loan don't change for reasons other than listed] ; OR
3 : [Occupied interview and Owned and One or more regular mortgage and 1st mortgage payments do NOT change] AND [First mortgage's last payment was not greatest] ; OR
4 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

LOON2 =
% of 2nd mortgage due in last payment

1	1-25 percent
2	26-50 percent
3	51-75 percent
4	76-100 percent
B	Not applicable
D	Don't Know

Long description:
Of the total amount you borrowed, what percentage will have to be paid off in this last payment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages and 2nd mortgage payments do NOT change and Second mortgage changes for taxes/insurance and Changes to second mortgage are not due to interest rate and Part of second mortgage payments do not change and Entire second mortgage payments do not change and Second mortgage's last payment was not greatest and 2nd mortgage doesn't change for other reason] AND [Payments on loan don't change for more than one other reason than listed] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
5 : [Occupied interview and Owned and Two or more regular mortgage and 2nd mortgage payments do NOT change] AND [Second mortgage's last payment was not greatest] ; OR
6 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
7 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages]

LOWIN2 =
2nd mortgage refinanced to get lower interest

X	Refinanced to get lower interest rate
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

LOWINT =
1st mortgage refinanced to get lower interest

X	Refinanced to get lower interest rate
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

LPRICE =
Purchase price of unit and land

1:999997	$1-$999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What was the price? (EXCLUDE CLOSING COST)
(FOR MOBILE HOMES, EXCLUDE VALUE OF THE LAND)

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [(Respondent owns land on which home was built)] ; OR
3 : [Occupied interview and Owned] AND [Received unit as gift or inheritance or Unit is a gift or inheritance] ; OR
4 : [Occupied interview] AND [Not owned] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

LRENT =
Land/site rent

0	No cash rent
1:9996	$1-$9,996
9997	Include in mobile home park fee or association fee
9998	$9,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What is the cost each month?
What does it cost each month?

Type:	Numeric
Edit flag variable:	JLRENT
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required) and (One-unit or apartment building) and (Unit is a condo or cooperative)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Separate rent is not paid for land or Did not know if separate rent was paid for land or Refused to answer whether separate rent was paid for land) and (Unit is not a condo or cooperative) and (One-unit or apartment building)] ; OR
3 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
4 : [(Occupied interview or URE interview or vacant interview)] AND [Separate rent is not paid for land or Did not know if separate rent was paid for land or Refused to answer whether separate rent was paid for land] ; OR
5 : [(URE interview or vacant interview) and (For sale only or Sold, but not yet occupied)] AND [(Refused to disclose if household owns land on which mobile home sits or Don't know if household owns land or Refused to disclose if household owns land) and (Mobile home)] ; OR
6 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
7 : [(NOT occupied interview or URE interview or vacant interview)] ; OR

8 : [Occupied interview and Owned and Have mortgage] AND [Land rent included with mortgage payment] ; OR
9 : [Occupied interview and Owned] AND [(Household owns land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits) and (Mobile home)]

LVALUE =

Current value of land

1:999997	$1-$999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused

Long description:
How much do you think the land would sell for on today's market?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
3 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
4 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

MATBUY =
Got 1st mortgage in same year bought unit

1	Yes
2	No
B	Not applicable

Long description:
Did you get the first mortgage the same year you bought your home?

Type:	Character
Edit flag variable:	JATBUY
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

MATBY2 =
Got 2nd mortgage in same year bought unit

1	Yes
2	No
B	Not applicable

Long description:
Did you get the second mortgage the same year you bought your home?

Type:	Character
Edit flag variable:	JATBY2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

MCNT =
Number of regular mortgages

0:6	0-6 regular mortgages
7	7 or more regular mortgages
B	Not applicable
.	Not reported

Type:	Numeric
Edit flag variable:	JMCNT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1997 and 1998, in MORTG module.

Conditions not in universe:
1 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
2 : [Occupied interview and Owned] AND [No mortgages]

MCOM =
1st mortgage covers business on property

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does this mortgage cover a business on this property?

Type:	Character
Edit flag variable:	JMCOM
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

MCOM2 =
2nd mortgage covers business on property

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Does this mortgage cover a business on this property?

Type:	Character
Edit flag variable:	JMCOM2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

MFARM =
1st mortgage covers farm land

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does this mortgage cover farm land?

Type:	Character
Edit flag variable:	JMFARM
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

MFARM2 =
2nd mortgage covers farm land

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Does this mortgage cover farm land?

Type:	Character
Edit flag variable:	JFARM2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

MG =
Any mortgages on this property

1	Yes
2	No
B	Not applicable

Long description:
Not counting Home Equity loans, is there a mortgage or any loans on this housing unit?

Type:	Character
Edit flag variable:	JMG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1997, in MORTG module.

MH32 =
Mobile home on property used for living quarters

1	Yes
2	No

Long description:
Are there any homes on this property that are
used for living purposes by this household?

Type:	Character
Edit flag variable:	JMH32
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building and NOT two unit building) or ((Mobile home) and NOT 1 mobile home in group)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

MHOTFE =
Amount of other required mobile home fees

1:997	$1-$997
998	$998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What is the average cost each month for those fees?

Type:	Numeric
Edit flag variable:	JHOTFE
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Other mobile home fees are not required or Did not know if other mobile home fees are required or Refused to answer whether other mobile home fees were required) and (Mobile home) and (Mobile home NOT to be moved)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [(NOT mobile home)] ; OR
4 : [(Occupied interview or URE interview or vacant interview)] AND [Other mobile home fees are not required or Did not know if other mobile home fees are required or Refused to answer whether other mobile home fees were required] ; OR
5 : [(URE interview or vacant interview)] AND [(Mobile home) and (For sale only or Sold, but not yet occupied) and Mobile home to be moved] ; OR
6 : [(URE interview or vacant interview)] AND [(Mobile home) and (NOT for rent, rented, for sale, or sold)] ; OR
7 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
8 : [(NOT occupied interview or URE interview or vacant interview)]

MORTIN =
Type of 1st mortgage

1	FHA
2	VA
3	Farmer's Home Administration Mortgage
4	Some other type
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is the mortgage an FHA, VA, Farmers Home Administration Mortgage, or some other type?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

MORTN2 =
Type of 2nd mortgage

1	FHA
2	VA
3	Farmer's Home Administration Mortgage
4	Some other type
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is the mortgage an FHA, VA, Farmers Home Administration Mortgage, or some other type?

Type:	Character
Edit flag variable:	JORTN2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

MRTYP1 =
Type of 1st mortgage

1	Regular mortgage
2	Lump sum
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	JRTYP1
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MRTYP2 =
Type of 2nd mortgage

1	Regular mortgage
2	Lump sum
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	JRTYP2
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NEWMOR =
1st mortgage new or assumed

1	New
2	Assumed
3	Wrap around
B	Not applicable

Long description:
With regard to the first mortgage, did you get a new mortgage or did you assume someone else's mortgage?

Type:	Character
Edit flag variable:	JEWMOR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage] AND [Did not get first mortgage in same year as bought unit] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

NEWMR2 =
2nd mortgage new or assumed

1	New
2	Assumed
3	Wrap around
B	Not applicable

Long description:
With regard to the second mortgage, did you get a new mortgage or did you assume someone else's mortgage?

Type:	Character
Edit flag variable:	JEWMR2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage] AND [Did not get second mortgage in same year bought unit] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

NUMMOR =
Number of mortgages including home equity loans

0:6	0-6 regular mortgages and/or home equity loans
7	7 or more regular mortgages and/or home equity loans
B	Not applicable
D	Don't Know

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Not topcoded in surveys 2001 and later
In surveys 2001 and later, households with 0 mortgages are categorized as B, Not applicable.

On the PUF the recode NUMMOR is created by adding the count of regular mortgages (MG,REGMOR) plus the home equity lump sum mortgages (HELUMP, HELUMN) plus the home equity lines of credit (HELC, HELCN) to get a count of the total number of mortgages in the unit. Missing data for regular mortgages and home equity lump sums are allocated. Data for home equity lines of credit are not allocated. When NUMMOR is created for any unit where the line of credit data are missing, refused (R), or answered don't know (D) NUMMOR is assigned the value D (don't know). For example if there were two regular mortgages (MG=1 and REGMOR = 2) and two lump sum home equity loans (HELUMP = 2 and HELUMN = 2) but the data for lines of credit were refused (HELC = R and HELCN = B) then NUMMOR is coded as a D. Please keep in mind that NUMMOR is useable but it is not a count of regular mortgages and should not be used as such. The best count of regular mortgages would be obtained by adding REGMOR (when MG = 1) to HELUMN (when HELUMP = 1).

OTHPMT =
Other charges including in 1st mortgage payment

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Besides principal and interest, does the payment include anything else? (exclude anything already mentioned)

Type:	Character
Edit flag variable:	JTHPMT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

OTHREF =
1st mortgage refinanced for other reason

X	Refinanced for other reason
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

OTPMT2 =
Other charges including in 2nd mortgage payment

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Besides principal and interest, does the payment include anything else? (exclude anything already mentioned)

Type:	Character
Edit flag variable:	JTPMT2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

OTREF2 =
2nd mortgage refinanced for other reason

X	Refinanced for other reason
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PERUS1 =
Percentage of 1st mortgage loan used for additions/improvements

0:100	0-100 Percent
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PERUS2 =
Percentage of 2nd mortgage loan used for additions/improvements

0:100	0-100 Percent
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PINCO2 =
2nd mortgage covers other units

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Does this mortgage cover other homes or apartments besides this one?

Type:	Character
Edit flag variable:	JINCO2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

PINCOP =
1st mortgage covers other units

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does this mortgage cover other homes or apartments besides this one?

Type:	Character
Edit flag variable:	JINCOP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

PMAMT2 =
Amount of mortgage insurance included in 2nd mortgage

1:3999	$1-3,999
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

PMIAMT =
Amount of mortgage insurance included in 1st mortgage

1:3999	$1-3,999
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Type:	Numeric
Edit flag variable:	JMIAMT
Allocation Matrix:	None
Topcoded:	Yes
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

PMIPMT =
1st mortgage payments include private mortgage insurance

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	JMIPMT
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PMPMT2 =
2nd mortgage payments include private mortgage insurance

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PMT =
Monthly payment for 1st mortgage

1:9997	$1-9,997
9998	$9,998 or more
B	Not applicable
.	Not reported

Long description:
What is the current monthly payment? (Include as much of PITI as they pay)

Type:	Numeric
Edit flag variable:	JPMT
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

PMT2 =
Monthly payment for 2nd mortgage

1:9997	$1-9,997
9998	$9,998 or more
B	Not applicable

Long description:
What is the current monthly payment? (Include as much of PITI as they pay)

Type:	Numeric
Edit flag variable:	JPMT2
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

PMT3 =
Monthly payment for 3rd mortgage

1:9997	$1-9,997
9998	$9,998 or more
B	Not applicable

Long description:
What is your current monthly payment for the third mortgage?

Type:	Numeric
Edit flag variable:	JPMT3
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Has a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

PMT4 =
Monthly payment for all other mortgages

1:9997	$1-9,997
9998	$9,998 or more
B	Not applicable

Long description:
What is your current monthly payment for the other mortgages?

Type:	Numeric
Edit flag variable:	JPMT4
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Has a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Has a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages]

POOR =
Household income as percent of poverty line

1:82908	1:82908
.	Not reported

Long description:
Household income as percent of poverty line

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

PRENT =
Amount of rent actually paid

0	None
1:9997	$1-$9,997
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
Of the $amount rent you reported, how much is this household required to pay?

Type:	Numeric
Edit flag variable:	JPRENT
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [((Rent adjusted or NOT adjusted because relationship w/ owner) or Don't know if rent adjusted because relationship w/ owner or Refused to disclose if rent adjusted because relationship w/ owner) and] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [(Did NOT received voucher to help pay rent or Don't know if received voucher to help pay rent or Refused to disclose if received voucher to help pay rent) and] ; OR
8 : [Occupied interview and (Rented or occupied without payment)] AND [Don't know if owned by public housing authority and (Income info required for lease renewal or Refused to disclose if income info required for lease renewal) and DO NOT report income to public housing authority or a state or local housing agency and] ; OR
9 : [Occupied interview and (Rented or occupied without payment)] AND [Don't know if owned by public housing authority and (Income info NOT required for lease renewal or Don't know if

income info required for lease renewal) and Government doesn't subsidize rent for unit or don't know or refused and] ; OR
10 : [Occupied interview and (Rented or occupied without payment)] AND [Government doesn't subsidize rent for unit and] ; OR
11 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
12 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

PROJ =
Building owned by public housing authority

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Is the building owned by a public housing authority?

Type:	Character
Edit flag variable:	JPROJ
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview and (Rented or occupied without payment)] AND [Government doesn't subsidize rent for unit and] ; OR
5 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
6 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

PVALUE =
Current value of unit

1:999997	$1-$999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How much do you think the unit would sell for on today's market?

Type:	Numeric
Edit flag variable:	JPVALU
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(One-unit building) and Unit is not a condo or cooperative and Lot is less than or equal to 440000 square feet and There is no medical office or community store on the property] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [(NOT one-unit mobile home and Unit is a condo or cooperative) or One-unit mobile home] ; OR
3 : [(URE interview or vacant interview)] AND [(NOT 'for rent or for sale' and NOT For sale only and NOT 'sold, but not yet occupied') or (((For rent or for sale or for sale only) or Sold, but not yet occupied) and Ownership of unit time shared or don't know or refused)] ; OR
4 : [(URE interview or vacant interview)] AND [Sold, but not yet occupied and Ownership of unit NOT time shared] ; OR
5 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
7 : [Occupied interview and Owned] AND [(The current value of the land is between 1 and 999998) or Does not know what the current value of the land is or Refused to answer what the current value of the land was] ; OR
8 : [Occupied interview and Owned] AND [Household doesn't own land on which mobile home sits or Household doesn't own land on which mobile home sits or Don't know if household owns land on which mobile home sits or Not reported if household owns land on which mobile home sits] ; OR

9 : [Occupied interview] AND [(Rented or occupied without payment)] ; OR
10 : [Vacant interview] AND [For rent only or For rent or for sale or Rented, but not yet occupied] ; OR
11 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

RAM =
Has reserve annuity or home equity conversion mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA

RAMAP =
Applied for reverse annuity mortgage

1	Yes
2	No

Long description:
Have you applied for this kind of mortgage that would give you payments?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Notes:
In 1997, in MORTG module. In 1998, in HOUSHLD Module.

RAMORT =
Heard of reverse annuity mortgage

1	Yes
2	No

Long description:
Some people take out a special mortgage called a Reverse Annuity

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Notes:
In 1997, in MORTG module. In 1998, in HOUSHLD Module.

RCNTRL =
Rent limited by rent control/stabilization

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does the government limit the rent on the unit through rent control or rent stabilization?

Type:	Character
Edit flag variable:	JCNTRL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Owned by public housing authority] ; OR
3 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Government subsidizes rent for unit] ; OR
4 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
5 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
6 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [(Did NOT received voucher to help pay rent or Don't know if received voucher to help pay rent or Refused to disclose if received voucher to help pay rent) and] ; OR
8 : [Occupied interview and (Rented or occupied without payment)] AND [Respondents were assigned to particular location of public housing and] ; OR
9 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
10 : [Occupied interview and (Rented or occupied without payment)] AND [Owned by public housing authority] ; OR
11 : [Occupied interview and (Rented or occupied without payment)] AND [Report income to public housing authority or a state or local housing agency and] ; OR
12 : [Occupied interview and (Rented or occupied without payment)] AND [Received voucher to help pay rent and] ; OR
13 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
14 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

REDMO2 =

Refinanced to reduce monthly payment of 2nd loan

X	Yes, refinanced to reduce monthly payment of 2nd loan
B	Not applicable
Blank	Not reported

Long description:
What were the reasons for refinancing of the 2nd mortgage?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied and not Owned]; OR
3 : [Occupied and Owned and no second mortgage]

REDMON =

Refinanced to reduce monthly payment

X	Yes, refinanced to reduce monthly payment
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

REDPA2 =
Reason for refinancing reduced payment period of 2nd mortgage

X	Refinanced to reduce payment period of 2nd mortgage
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

REDPAY =
Reason for refinancing reduced payment period of 1st mortgage

X	Refinanced to reduce payment period of 1st mortgage
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

REFI =
Mortgage a refinancing of previous mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	JREFI
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

REFI2 =
2nd mortgage a refinancing of 1st mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	JREFI2
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

REGMOR =
Number of regular mortgages on unit

0	No mortgages
1:7	1-7 mortgages
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How many mortgages (or loans) are there now on the unit?

Type:	Numeric
Edit flag variable:	JEGMOR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1997, in MORTG module.

RENEW =
Income info required for lease renewal

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
As a part of your rental agreement, do you need to answer questions about your income whenever your lease is up for renewal?

Type:	Character
Edit flag variable:	JRENEW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
7 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
8 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

RENT =
Amount reported for payment period in FRENT

1	Rent depends on the income of the occupants, such as public housing or
2:29997	$2-$29,997
29998	$29,998 or more
B	Not applicable

Long description:
How much is the rent?
*** IF PARKING PRICED SEPARATELY, EXCLUDE IT HERE ***

Type:	Numeric
Edit flag variable:	JRENT
Allocation Matrix:	Matrix E
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.
The use of ‘1’ as a code, as defined above, applies to any URE or vacant unit for which RENT is collected. For occupied units, however, ‘1’ is a dollar amount like any other.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
5 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance] ; OR
6 : [Occupied interview] AND [Occupied without payment]

RESMOR =
Amount of 1st mortgage applies only to unit

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How much of the amount of 1st mortgage applies just to your home?

Type:	Numeric
Edit flag variable:	JESMOR
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage doesn't cover other units and 1st mortgage doesn't cover farm land and 1st mortgage doesn't cover business on property] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

RESMR2 =
Amount of 2nd mortgage applies only to unit

1:999997	$1-999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know

Long description:
How much of the amount of 2nd mortgage applies just to your home?

Type:	Numeric
Edit flag variable:	JESMR2
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
For the National Survey, the variable is topcoded using VALUE's topcode.
For the Metro Survey, the variable is topcoded using VALUE's topcode or its own 97th percentile topcode, whichever is lower.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage doesn't cover other units and 2nd mortgage doesn't cover farm land and 2nd mortgage doesn't cover business on property] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

RNTADJ =
Rent adjusted because relationship w/ owner

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is the rent adjusted because someone in the household works for or is related to the owner?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [(Did NOT received voucher to help pay rent or Don't know if received voucher to help pay rent or Refused to disclose if received voucher to help pay rent) and] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [Respondents were assigned to particular location of public housing and] ; OR
8 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
9 : [Occupied interview and (Rented or occupied without payment)] AND [Owned by public housing authority] ; OR
10 : [Occupied interview and (Rented or occupied without payment)] AND [Report income to public housing authority or a state or local housing agency and] ; OR
11 : [Occupied interview and (Rented or occupied without payment)] AND [Received voucher to help pay rent and] ; OR
12 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
13 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

SELL =
Borrowed 1st mortgage from former owner

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Was that the former owner of the home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [First mortgage was not borrowed from an individual] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is NOT other type and Know type of 1st mortgage and Didn't refuse to disclose type of 1st mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

SELL2 =
Borrowed 2nd mortgage from former owner

1	Yes
2	No
B	Not applicable

Long description:
Was that the former owner of the home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [Second mortgage was not borrowed from an individual] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is NOT other type and Know type of 2nd mortgage and Didn't refuse to disclose type of 2nd mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

SUBMOR =
Government program provides 1st mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you get your mortgage through a State or local government program that provides lower cost mortgages?

Type:	Character
Edit flag variable:	JUBMOR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

SUBMR2 =
Government program provides 2nd mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Did you get the second mortgage through a State or local government program that provides lower cost mortgages?

Type:	Character
Edit flag variable:	JUBMR2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

SUBMR3 =
Government program provides 3rd mortgage

1	Yes
2	No
B	Not applicable

Long description:
Did you get the third mortgage through a State or local government program that provides lower cost mortgages?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Has a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

SUBMR4 =
Government program provides 4th & other mort

1	Yes
2	No
B	Not applicable

Long description:
Did you get the other mortgages through a State or local government program that provides lower cost mortgages?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two regular mortgages] AND [Has a home equity loan] ; OR
4 : [Occupied interview and Owned and Two regular mortgages] AND [Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned and Three regular mortgages] AND [Has a home equity loan] ; OR
6 : [Occupied interview and Owned and Three regular mortgages] AND [Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
8 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
9 : [Occupied interview and Owned] AND [No mortgages]

TADJ =
Purchase price changed due to inspection/test

1	yes
2	no
B	Not applicable
D	Don't Know
R	Refused

Long description:
Were any adjustments made to the purchase price of the house as a result of the inquiry, inspection, or test?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [Unit NOT tested for asbestos before purchase and Unit NOT tested for lead paint before purchase and Unit NOT tested for radon before purchase and Lead pipes NOT inspected before purchase and Lead solder NOT inspected before purchase and Water quality was NOT tested before purchase or don't know or refused and Aluminum wiring NOT inspected before purchase] ; OR
3 : [Occupied interview] AND [Not owned] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TAXPMT =
Property taxes included in 1st mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Besides principal and interest, does the payment include property taxes?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
2 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned] AND [No mortgages]

TERM =
Term of 1st mortgage

1:40	1-40 years
B	Not applicable

Long description:
How many years remained on the mortgage then?
When you first obtained THIS mortgage, how many years was it for?

Type:	Numeric
Edit flag variable:	JTERM
Allocation Matrix:	Matrix I
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and NOT assumed 1st mortgage] AND [Term of first mortgage can vary] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

TERM2 =
Term of 2nd mortgage

1:40	1-40 Years
B	Not applicable

Long description:
How many years remained on the mortgage then?
When you first obtained THIS mortgage, how many years was it for?

Type:	Numeric
Edit flag variable:	JTERM2
Allocation Matrix:	Matrix I
Topcoded:	Yes
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and NOT assumed 2nd mortgage] AND [Term of second mortgage can vary] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

TXPMT2 =
Property taxes included in 2nd mortgage

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Besides principal and interest, does the payment include property taxes?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

TXRE =
Received real estate property tax rebate

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Last year did you receive a real estate property tax rebate, lower tax rate, tax credit or exemption from part of your real estate taxes?

Type:	Character
Edit flag variable:	JTXRE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only or 'for rent or for sale') or Rented, but not yet occupied] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
4 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
5 : [Occupied interview] AND [Rented] ; OR
6 : [Occupied interview] AND [Occupied without payment]

VALUE =
Current market value of unit

1:999997	$1-$999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
Current market value of this housing unit.

Type:	Numeric
Edit flag variable:	JVALU
Allocation Matrix:	Matrix E
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile ONLY in the Metro Survey.
Topcoded at 350,000 ONLY in the National Survey.

Conditions not in universe:
1 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
3 : [Occupied interview] AND [(Rented or occupied without payment)] ; OR
4 : [Vacant interview] AND [For rent only or For rent or for sale or Rented, but not yet occupied] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

VARM =
1st mortgage changes for other reason

X	Other, specify
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and (1st mortgage is FHA or 1st mortgage is VA or 1st mortgage is other type or "Don't know" type of 1st mortgage or Refused to disclose type of 1st mortgage)] AND [1st mortgage payments change or don't know or refused] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

VARM2 =
2nd mortgage changes for other reason

X	Other, specify
B	Not applicable
Blank	Not reported

Long description:
How do they change?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and (2nd mortgage is FHA or 2nd mortgage is VA or 2nd mortgage is other type or "Don't know" type of 2nd mortgage or Refused to disclose type of 2nd mortgage)] AND [2nd mortgage payments change or don't know or refused] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

VARY =
1st mortgage payments change

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are the payments on this loan the same during the whole length of the mortgage?

Type:	Character
Edit flag variable:	JVARY
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage] AND [1st mortgage is Farmers Home Administration Mortgage] ; OR
2 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
3 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
4 : [Occupied interview and Owned] AND [No mortgages]

VARY2 =
2nd mortgage payments change

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are the payments on this loan the same during the whole length of the mortgage?

Type:	Character
Edit flag variable:	JVARY2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage] AND [2nd mortgage is Farmers Home Administration Mortgage] ; OR
4 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
5 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
6 : [Occupied interview and Owned] AND [No mortgages]

VCHRMOV =
Can use voucher to move to another location

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
(A housing voucher gives a renter the right to choose where they live AND it helps pay for rent.)
Does your household have a housing voucher?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied and Owned]; OR
3 : [Occupied without payment] AND [Household does not have a voucher]

YRMOR =
Year 1st mortgage obtained

1900:2007	1900-2007
B	Not applicable

Long description:
What year did you get the mortgage?

Type:	Numeric
Edit flag variable:	JYRMOR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
If YRMOR is blank, mortgage was obtained in year of unit purchase (see WHNGET).

Conditions not in universe:
1 : [Occupied interview and Owned and One or more regular mortgage and Got first mortgage in the same year as unit was bought] AND [NOT assumed 1st mortgage] ; OR
2 : [Occupied interview and Owned and One or more regular mortgage] AND [Assumed 1st mortgage] ; OR
3 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
4 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
5 : [Occupied interview and Owned] AND [No mortgages]

YRMOR2 =
Year 2nd mortgage obtained

1900:2007	1900-2007
B	Not applicable

Long description:
What year did you get the mortgage?

Type:	Numeric
Edit flag variable:	JRMOR2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
If YRMOR2 is blank, mortgage was obtained in year of unit purchase (see WHNGET).

Conditions not in universe:
1 : [Occupied interview and Owned and One regular mortgage] AND [Has a home equity loan] ; OR
2 : [Occupied interview and Owned and One regular mortgage] AND [Does not have a home equity loan] ; OR
3 : [Occupied interview and Owned and Two or more regular mortgage and Got second mortgage in same year bought unit] AND [NOT assumed 2nd mortgage] ; OR
4 : [Occupied interview and Owned and Two or more regular mortgage] AND [Assumed 2nd mortgage] ; OR
5 : [Occupied interview and Owned and Have mortgage] AND [(NOT between one and seven or more regular mortgages)] ; OR
6 : [Occupied interview and Owned] AND [No mortgages and Does not have a home equity loan] ; OR
7 : [Occupied interview and Owned] AND [No mortgages]

ZSMHC =
Monthly housing costs

0:99999	$0-$99,999
B	Not applicable

Long description:
The monthly housing cost recode is the sum of the monthly costs (or averages) of all of the applicable following items:
electricity, gas, fuel oil, other fuels(e.g. wood, coal, kerosene, etc.), garbage and trash, water and sewage, real estate taxes, property insurance, condominium fees, homeowner's association fees, mobile home park fees, land or site rent, other required mobile home fees, rent, mortgage payments, home equity loan payments, other charges included in mortgage payments, and routine maintenance

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Not coded directly, but components are topcoded.
Monthly mortgage payment is not the same as PMT, which includes taxes and insurance.

Household Composition

Data on household composition are collected for all members of the household and describe both individual members and aggregate household demographics. Basic demographic data such as age, sex, and race are available, as well as data on years of education. The variables reflect the answers as stated by the respondent.

Some variables are collected for each individual household member, while other information is only reported as a summary for the household. Summary household variables include total number of people, number of adults, number of children, number of people not related to the head of household or reference person, and number of people 65 years or older. The availability of these summary variables varies from year to year and for metro and national surveys. Any variable can be recreated using the detailed information for each household member. Additional information on household members is contained in the Recent Mover and Income sections.

A person is counted at the usual place of residence for that person. This refers to the place where the person lives and sleeps most of the time. This place is not necessarily the same as legal residence, voting residence, or domicile. Unmarried students temporarily away in another locality to attend school are considered household members, unless they have left home permanently.

General Household Information

The questions summarizing the household characteristics are usually asked of the "reference person." The variables in this group provide general information about the household, such as number of people in household, number of people in family, number of children and number of adults. More detailed household level variables can be constructed using person-level variables.

Household: A household consists of all the people who occupy a housing unit whether or not they are related. By definition, the count of households is the same as the count of occupied housing units.

Number of people in household: All people occupying the housing unit are counted. These people include not only occupants related to the reference person but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the reference person.

Subfamily: A subfamily is a multiperson family separate from the reference person. A subfamily is a married couple with or without children, or one parent with one or more of their own single (never married) children living in a household and related to, but not including the reference person or spouse of the reference person. The most common example of a subfamily is a young married couple sharing the home of the husband or wife's parents.
FAMTYP identifies the subfamily members and position. FAMNUM identifies subfamily number.

Own children: A child is defined as an "own" child if he or she is a single (never married) son, daughter, stepchild, or adopted child of the reference person. Own children of subfamilies are excluded from the total count of own children, as are foster children.

Relationships

This group of questions is asked of every household member and describes the respondent's relationship to the reference person.

Line number (PLINE1-PLINE16): A line number is assigned to each household member's name as it is written during the interview. Line numbers are consistent from survey to survey, and are not reassigned while the same household is present in the housing unit. For example, if the household as a whole stays in place, but the person on line 4 moves out, and a new baby is born, the baby is assigned a new line number at the end of the list, and no person in the household is assigned line number 4. There is no link between the line number and the reference person.

Reference person (Householder): Family relationships are coded in relation to a "reference person (householder)". The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder. If no household member occupying the sample unit owns or rents the unit, the householder is the first household member listed who is 18 years old or older, or the first person listed if all household members are under 18.

Relationship: The variable REL provides the relationship code of each person in the household to the reference person. The variable PAR provides the line number of the father or mother of a given household member, if living in the household. If both are present, the line number of the first person listed is entered. The second parent, if present, can be identified by using the variable SPOS, which includes the line number of spouse. These two variables, together with the relationship codes, can be used to determine the composition of a household.

Other relative: This category includes all people related to the reference person by blood, marriage, or adoption except wife, husband, or child of reference person and members of subfamilies.

Nonrelative: A nonrelative of the reference person is any person in the household who is not related to the reference person by blood, marriage, or adoption. Roomers, boarders, lodgers, partners, resident employees, wards, and foster children are in this category.

Personal Characteristics

The American Housing Survey has information on each person in each household: age, sex, marital status, relationship to a reference person, race, etc. These can be found in the corresponding variables in the individual person file.

Age: The age classification refers to the age reported as of each person's last birthday.

Race: Household members were asked to self-identify race. The possible choices were:

1) White Only
2) Black Only
3) American Indian, Alaskan Native Only
4) Asian Only
5) Hawaiian, Pacific Islander Only
6) White / Black
7) White / American Indian, Alaska Native
8) White / Asian
9) White / Hawaiian, Pacific Islander
10) Black / American Indian, Alaska Native
11) Black / Asian
12) Black / Hawaiian, Pacific Islander
13) American Indian, Alaska Native / Asian
14) Asian / Hawaiian, Pacific Islander
15) White / Black / American Indian, Alaska Native
16) White / Black / Asian
17) White / American Indian, Alaska Native / Asian
18) White / Asian/Hawaiian, Pacific Islander
19) White / American Indian, Alaska Native / Asian
20) Other combinations of 2 or 3 races
21) Other combinations of 4 or 5 races

Note that these options are not the same as present in the 2000 Census.

Spanish origin: Spanish origin was determined on the basis of a question that asked for self-identification of a person's origin or descent. Note that Spanish origin modifies race, and does not replace it. For example, according to the Census definitions, it is possible to be Black of Spanish origin or White of Spanish origin.

Education level of person: The data refer to the highest grade of regular school completed and not to the highest grade attended. For people still attending school, the highest grade completed is one less than the one in which they are currently enrolled. Regular school refers to formal education obtained in graded public, private, or parochial schools, colleges, universities, or professional schools, whether day or night school, and whether attendance was full or part time. That is, "regular schooling" is formal education, which may advance a person toward an elementary or high school diploma, or college, university, or professional school degree. Schooling or tutoring in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system. Reference

persons whose highest grade completed was in a foreign school system or in an upgraded school were instructed to report the approximate equivalent grade (or years) in the regular United States school system. They were not reported as having completed a given grade if they dropped out or failed to pass the last grade attended. Education received in the following types of schools is not counted as “Regular schooling”: vocational schools, trade schools, and noncredit adult education classes.

Employment: A series of questions about person’s employment identifies whether the person worked last week, the number of hours worked and the type of employment (self-employed, work for an employer, etc.). See the Income section for information on earnings from employment.

AGE =
Age of person

If using single file version of AHS, this variable becomes: **AGE1-AGE16**
Information for AGE1 variable (head of household) is also stored in: **HHAGE**

0:120 0-120 years old

Type:	Numeric
Edit flag variable:	JAGE
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at 90.
This variable is changed in a number of rare event situations.

APPLY =
How got to live in public housing

1	Applied to management on own
2	Assigned to specific address
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How did you come to live here?
Did you apply on your own to the management here, OR did an agency, such as public housing authority assign this address to you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [Don't know if owned by public housing authority and (Income info required for lease renewal or Refused to disclose if income info required for lease renewal) and DO NOT report income to public housing authority or a state or local housing agency and] ; OR
8 : [Occupied interview and (Rented or occupied without payment)] AND [Don't know if owned by public housing authority and (Income info NOT required for lease renewal or Don't know if income info required for lease renewal) and Government doesn't subsidize rent for unit or don't know or refused and] ; OR
9 : [Occupied interview and (Rented or occupied without payment)] AND [Owned by public housing authority] ; OR
10 : [Occupied interview and (Rented or occupied without payment)] AND [Government doesn't subsidize rent for unit and] ; OR
11 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
12 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

CITSHP =
U.S. Citizenship

If using single file version of AHS, this variable becomes: **CITSHP1-CITSHP16**
Information for CITSHP1 variable (head of household) is also stored in: **HHCITSHP**

1	Native, born in US
2	Native, born in Puerto Rico or US outlying area
3	Native born abroad of US parent(s)
4	Foreign born, US citizen by naturalization
5	Foreign born, not a US citizen
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	JITSHP
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

CUSHOM =
How owner obtained unit

1	Buy the house already built
2	Sign a sales agreement that included the land as well as the cost of building the
3	Have a general contractor build it on YOUR OWN LAND (ALSO INCLUDES LEASED LAND)
4	Build it yourself on YOUR OWN LAND
5	Receive it as a gift or inheritance
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How did you obtain this home? Did you-

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [(Apartment building or mobile home)] ; OR
3 : [Occupied interview and Owned] AND [Tenants are not first occupants or Respondent doesn't know if home equity is the first occupant or Refused to answer whether tenant is first occupant or Same household members live in unit] ; OR
4 : [Occupied interview] AND [Not owned] ; OR
5 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

DLINE1 =
Line Number of respondent

1:30	1-30
B	Not applicable

Type:	Numeric
Edit flag variable:	JLINE1
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
To determine if the reference person and the respondent are the same:
1) If DLINE1=PLINE and for that person REL=1 or REL=2, then the respondent is the household reference person.
2) If DLINE1=PLINE and REL>2 then the respondent is not the household reference person.
You can identify the relationship of the respondent based on the REL variable.
3) If DLINE1=B (so no one living in the unit), then check RESPTYP, and that will report the type of respondent.

FAMNUM =
Family number

If using single file version of AHS, this variable becomes: **FAMNUM1-FAMNUM16**

0	Not a family
1	Primary family
2	1st Subfamily
3	2nd Subfamily
4	3rd Subfamily
5	4th Subfamily
6	5th Subfamily
7	6th Subfamily
8	7th Subfamily
9	8th Subfamily

Long description:
This is a recode created during the application of the Current Population Survey (CPS) demographic edits. It indicates whether or not this person belongs to the primary family, a subfamily, or no family within the household. If the person belongs to a family, the recode indicates which family.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

FAMREL =
Family relationship

If using single file version of AHS, this variable becomes: **FAMREL1-FAMREL16**

0	Not in a family
1	Reference person of family
2	Spouse of reference person of family
3	Child of reference person of family
4	Other relative of reference person of family

Long description:
This is a recode created during the application of the Current Population Survey (CPS) demographic edits. It indicates whether or not this person belongs to the primary family, a subfamily, or no family within the household. If the person belongs to a family, the recode indicates what his/her relationship to the reference person is.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

FAMTYP =
Family type

If using single file version of AHS, this variable becomes: **FAMTYP1-FAMTYP16**

1	Primary family
2	Primary individual
3	Related subfamily
4	Unrelated subfamily
5	Secondary individual

Long description:
This is a recode created during the application of the Current Population Survey (CPS) demographic edits. It indicates whether or not this person belongs to the primary family, a subfamily, or no family within the household.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

FRSTHO =
Ever owned home before

1	yes
2	no
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you ever owned a home before?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [Money from sale of previous home was main source of money for downpayment] ; OR
3 : [Occupied interview] AND [Not owned] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

GRAD =
Educational level of person

If using single file version of AHS, this variable becomes: **GRAD1-GRAD16**
Information for GRAD1 variable (head of household) is also stored in: **HHGRAD**

31	Less than 1st grade
32	1st,2nd,3rd or 4th grade
33	5th or 6th grade
34	7th or 8th grade
35	9th grade
36	10th grade
37	11th grade
38	12th grade, no diploma
39	HIGH SCHOOL GRADUATE - high school DIPLOMA or equivalent (For example: GED)
40	Some college but no degree
41	Diploma or certificate from a vocational, technical, trade or business school beyond
42	Associate degree in college - Occupational/vocational program
43	Associate degree in college - Academic program
44	Bachelors degree (For example: BA, AB, BS)
45	Master's degree (For example: MA, MS, MEng, MEd, MSW, MBA)
46	Professional School Degree (For example: MD, DDS, DVM, LLB, JD)
47	Doctorate degree (For example: PhD, EdD)
.	Not reported
B	Not applicable

Long description:
What is the highest level of school education this person completed or the highest degree this person received?

Type:	Numeric
Edit flag variable:	JGRAD
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Not asked for persons under the age of 14.

HERE =
Nonrelative is present

If using single file version of AHS, this variable becomes: **HERE1-HERE16**

1	Yes
2	No
B	Not applicable

Long description:
I have a few questions that I would like to ask (a nonrelative).
Is s/he here now?

Type:	Character
Edit flag variable:	JHERE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [(Answered if nonrelative is present and Person is a relative of reference person)]

HHAGE =
Age of householder

Information for this variable is also stored in: **AGE1**

0:120	0-120 years old

Type:	Numeric
Edit flag variable:	JHHAGE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHCITSHP =
US Citizenship of householder

Information for this variable is also stored in: **CITSHP1**

1	Native, born in US
2	Native, born in Puerto Rico or US outlying area
3	Native born abroad of US parent(s)
4	Foreign born, US citizen by naturalization
5	Foreign born, not a US citizen
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	JHHITSHP
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHGRAD =

Education level of householder

Information for this variable is also stored in: **GRAD1**

31	Less than 1st grade
32	1st, 2nd, 3rd or 4th grade
33	5th or 6th grade
34	7th or 8th grade
35	9th grade
36	10th grade
37	11th grade
38	12th grade
39	High School Graduate - High School Diploma or equivalent (For Ex: GED)
40	Some college but no degree
41	Diploma or certificate from a vocational, technical, trade business school beyond high school
42	Associate degree in college - Occupational/vocational program
43	Associate degree in college - Academic program
44	Bachelors degree (For Ex: BA, AB, BS)
45	Master's Degree (For Ex: MA, MS, Meng, Med, MSW, MBA)
46	Professional School Degree (For Ex: MD, DDS, DVM, LLB, JD)
47	Doctorate Degree (For Ex: PhD, EdD)
.	Not reported

Type:	Numeric
Edit flag variable:	JHHGRAD
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHINUSYR =
Year householder came to US

Information for this variable is also stored in: **INUSYR1**

1911:2007	1911-2007
X	Person
.	Not reported
B	Not applicable

Type:	Numeric
Edit flag variable:	JHHNUSYR
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHMAR =
Marital status of householder

Information for this variable is also stored in: **MAR1**

1	Married, Spouse Present
2	Married, Spouse Absent
3	Widowed
4	Divorced
5	Separated
6	Never married
Blank	Not reported

Type:	Character
Edit flag variable:	JHHMAR
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHNATVTY =
Country of birth of householder

Information for this variable is also stored in: **NATVTY1**

57	United States
72	Puerto Rico
96	Outlying Area of the US
109	France
110	Germany
117	Hungary
119	Ireland/Eire
120	Italy
128	Poland
147	Yugoslavia
185	Armenia
192	Russia
195	Ukraine
202	Bangladesh
206	Cambodia
207	China
209	Hong Kong
210	India
211	Indonesia
212	Iran
213	Iraq
214	Israel
215	Japan
218	Korea/South Korea
221	Laos
222	Lebanon
229	Pakistan
231	Philippines
238	Taiwan
239	Thailand
242	Vietnam
301	Canada
311	Costa Rica
312	El Salvador
313	Guatemala
314	Honduras
315	Mexico
316	Nicaragua
337	Cuba
339	Dominican Republic
342	Haiti
343	Jamaica
351	Trinidad and Tobago
375	Argentina
377	Brazil
379	Colombia
380	Ecuador
383	Guyana

385	Peru
440	Nigeria
555	Elsewhere
610	Other North and Central America
611	Other Caribbean
620	Other South America
640	Other Africa
641	North Africa
650	Other Europe
651	Portugal with Azores
652	Great Britain
653	Scandinavia
654	Other Northern Europe
660	Other Asia
661	Other Middle East
670	Australia/Oceania
.	Not reported
B	Not applicable

Type:	Character
Edit flag variable:	JHHATVTY
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHPLINE =

Line number of householder

Information for this variable is also stored in: **PLINE1**

1:30	1-30

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

HHRACE =

Race of householder

Information for this variable is also stored in: **RACE1**

1	White Only
2	Black Only
3	American Indian, Alaskan Native Only
4	Asian Only
5	Hawaiian, Pacific Islander Only
6	White / Black
7	White / American Indian, Alaska Native
8	White / Asian
9	White / Hawaiian, Pacific Islander
10	Black / American Indian, Alaska Native
11	Black / Asian
12	Black / Hawaiian, Pacific Islander
13	American Indian, Alaska Native / Asian
14	Asian / Hawaiian, Pacific Islander
15	White / Black / American Indian, Alaska Native
16	White / Black / Asian
17	White / American Indian, Alaska Native / Asian
18	White / Asian/Hawaiian, Pacific Islander
19	White / American Indian, Alaska Native / Asian
20	Other combinations of 2 or 3 races
21	Other combinations of 4 or 5 races

Type:	Character
Edit flag variable:	JHHRACE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHREL =

Relationship of householder to household

Information for this variable is also stored in: **REL1**

1	Reference person with relatives in household
2	Reference person without relatives in household
20	Spouse (husband/wife)
22	Child of reference person
23	Grandchild of reference person
24	Parent of reference person
25	Sibling (brother/sister) of reference person
26	Other relative of reference person
31	Unmarried partner (with own relatives)
32	Unmarried partner (without own relatives)
33	House/roommate (with own relatives)
34	House/roommate (without own relatives)
35	Roomer/boarder (with own relatives)
36	Roomer/boarder (without own relatives)
37	Other nonrelative (with own relatives)
38	Other nonrelative (without own relatives)

Type:	Numeric
Edit flag variable:	JHHREL
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

HHSEX =
Sex of householder

Information for this variable is also stored in: **SEX1**

1	Male
2	Female

Type:	Character
Edit flag variable:	JHHSEX
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHSPAN =
Spanish origin of householder

Information for this variable is also stored in: **SPAN1**

1	Yes
2	No

Type:	Character
Edit flag variable:	JHHSPAN
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHSPOS =

Line number of spouse of householder

Information for this variable is also stored in: **SPOS1**

1:30	1-30
.	Not reported

Type:	Numeric
Edit flag variable:	JHHSPOS
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHTEN =

Householder is owner/renter of unit

Information for this variable is also stored in: **TEN1**

X	Person owns or rents unit
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHWLINEQ =
Householder worked at all last week

Information for this variable is also stored in: **WLINEQ1**

1	Yes
2	No
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

INUSYR =
Year came to U.S.

If using single file version of AHS, this variable becomes: **INUSYR1-INUSYR16**
Information for INUSYR1 variable (head of household) is also stored in: **HHINUSYR**

1911:2007	1911-2007
B	Not applicable
.	Not reported

Type:	Numeric
Edit flag variable:	JNUSYR
Allocation Matrix:	None
Topcoded:	Yes
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Bottomcoded at (survey year - 90)

LIVEAT =
Everyone in household lives or eats together

1	Yes
2	No
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do all the persons in this household live or eat together?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [Noninterview] AND [(Type C noninterview)]

LONGIT =
Characteristics of household in 70/80/90

01	01 - family income less than $3,000, 1 person in family, owned HU
02	02 - family income less than $3,000, 1 person in family, rented HU
03	03 - family income less than $3,000, 2 persons in family, rented HU
04	04 - family income less than $3,000, 2 persons in family, owned HU
05	05 - family income less than $3,000, 3 persons in family, owned HU
06	06 - family income less than $3,000, 3 persons in family, rented HU
07	07 - family income less than $3,000, 4 persons in family, rented HU
08	08 - family income less than $3,000, 4 persons in family, owned HU
09	09 - family income less than $3,000, 5 or more persons in family, owned HU
10	10 - family income less than $3,000, 5 or more persons in family, rented HU
11	11 - family income $3,000 - $5,999, 5 or more persons in family, rented HU
12	12 - family income $3,000 - $5,999, 5 or more persons in family, owned HU
13	13 - family income $3,000 - $5,999, 4 persons in family, owned HU
14	14 - family income $3,000 - $5,999, 4 persons in family, rented HU
15	15 - family income $3,000 - $5,999, 3 persons in family, rented HU
16	16 - family income $3,000 - $5,999, 3 persons in family, owned HU
17	17 - family income $3,000 - $5,999, 2 persons in family, owned HU
18	18 - family income $3,000 - $5,999, 2 persons in family, rented HU
19	19 - family income $3,000 - $5,999, 1 person in family, rented HU
20	20 - family income $3,000 - $5,999, 1 person in family, owned HU
21	21 - family income $6,000 - $9,999, 1 person in family, owned HU
22	22 - family income $6,000 - $9,999, 1 person in family, rented HU
23	23 - family income $6,000 - $9,999, 2 persons in family, rented HU
24	24 - family income $6,000 - $9,999, 2 persons in family, owned HU
25	25 - family income $6,000 - $9,999, 3 persons in family, owned HU
26	26 - family income $6,000 - $9,999, 3 persons in family, rented HU
27	27 - family income $6,000 - $9,999, 4 persons in family, rented HU
28	28 - family income $6,000 - $9,999, 4 persons in family, owned HU
29	29 - family income $6,000 - $9,999, 5 or more persons in family, owned HU
30	30 - family income $6,000 - $9,999, 5 or more persons in family, rented HU
31	31 - family income $10,000 - $14,999, 5 or more persons in family, rented HU
32	32 - family income $10,000 - $14,999, 5 or more persons in family, owned HU
33	33 - family income $10,000 - $14,999, 4 persons in family, owned HU
34	34 - family income $10,000 - $14,999, 4 persons in family, rented HU
35	35 - family income $10,000 - $14,999, 3 persons in family, rented HU
36	36 - family income $10,000 - $14,999, 3 persons in family, owned HU
37	37 - family income $10,000 - $14,999, 2 persons in family, owned HU
38	38 - family income $10,000 - $14,999, 2 persons in family, rented HU
39	39 - family income $10,000 - $14,999, 1 person in family, rented HU
40	40 - family income $10,000 - $14,999, 1 person in family, owned HU
41	41 - family income $15,000 or more, 1 person in family, owned HU
42	42 - family income $15,000 or more, 1 person in family, rented HU
43	43 - family income $15,000 or more, 2 persons in family, rented HU
44	44 - family income $15,000 or more, 2 persons in family, owned HU
45	45 - family income $15,000 or more, 3 persons in family, owned HU
46	46 - family income $15,000 or more, 3 persons in family, rented HU
47	47 - family income $15,000 or more, 4 persons in family, rented HU
48	48 - family income $15,000 or more, 4 persons in family, owned HU
49	49 - family income $15,000 or more, 5 or more persons in family, owned HU
50	50 - family income $15,000 or more, 5 or more persons in family, rented HU

51 51 - low value vacants (rent less than $80 or value less than $15,000)
52 52 - medium value vacants (rent $80 - $119 or value $15,000 - $24,999)
53 53 - high value vacants (rent $120 or more or value $25,000 or more)
54 54 - residual vacants (those not for sale or for rent; includes seasonal and migratory vacants
55 55 - housing unit in group quarters
56 56 - other group quarters which was not a housing unit in 1970, but became a housing unit since
101 101 - rented HU, contract rent less than $100, 1-3 rooms in HU
102 102 - rented HU, contract rent less than $100, 4 or 5 rooms in HU
103 103 - rented HU, contract rent less than $100, 6 or more rooms in HU
104 104 - rented HU, contract rent $100 - $149, 6 or more rooms in HU
105 105 - rented HU, contract rent $100 - $149, 4 or 5 rooms in HU
106 106 - rented HU, contract rent $100 - $149, 1-3 rooms in HU
107 107 - rented HU, contract rent $150 - $199, 1-3 rooms in HU
108 108 - rented HU, contract rent $150 - $199, 4 or 5 rooms in HU
109 109 - rented HU, contract rent $150 - $199, 6 or more rooms in HU
110 110 - rented HU, contract rent $200 - $249, 6 or more rooms in HU
111 111 - rented HU, contract rent $200 - $249, 4 or 5 rooms in HU
112 112 - rented HU, contract rent $200 - $249, 1-3 rooms in HU
113 113 - rented HU, contract rent $250 - $299, 1-3 rooms in HU
114 114 - rented HU, contract rent $250 - $299, 4 or 5 rooms in HU
115 115 - rented HU, contract rent $250 - $299, 6 or more rooms in HU
116 116 - rented HU, contract rent $300 - $349, 6 or more rooms in HU
117 117 - rented HU, contract rent $300 - $349, 4 or 5 rooms in HU
118 118 - rented HU, contract rent $300 - $349, 1-3 rooms in HU
119 119 - rented HU, contract rent $350 - $399, 1-3 rooms in HU
120 120 - rented HU, contract rent $350 - $399, 4 or 5 rooms in HU
121 121 - rented HU, contract rent $350 - $399, 6 or more rooms in HU
122 122 - rented HU, contract rent $400 or more, 6 or more rooms in HU
123 123 - rented HU, contract rent $400 or more, 4 or 5 rooms in HU
124 124 - rented HU, contract rent $400 or more, 1-3 rooms in HU
125 125 - rented HU, contract rent N/A, 1-3 rooms in HU
126 126 - rented HU, contract rent N/A, 4 or 5 rooms in HU
127 127 - rented HU, contract rent N/A, 6 or more rooms in HU
128 128 - owned HU, value less than $20,000, 6 or more rooms in HU
129 129 - owned HU, value less than $20,000, 4 or 5 rooms in HU
130 130 - owned HU, value less than $20,000, 1-3 rooms in HU
131 131 - owned HU, value $20,000 - $29,999, 1-3 rooms in HU
132 132 - owned HU, value $20,000 - $29,999, 4 or 5 rooms in HU
133 133 - owned HU, value $20,000 - $29,999, 6 or more rooms in HU
134 134 - owned HU, value $30,000 - $34,999, 6 or more rooms in HU
135 135 - owned HU, value $30,000 - $34,999, 4 or 5 rooms in HU
136 136 - owned HU, value $30,000 - $34,999, 1-3 rooms in HU
137 137 - owned HU, value $35,000 - $39,999, 1-3 rooms in HU
138 138 - owned HU, value $35,000 - $39,999, 4 or 5 rooms in HU
139 139 - owned HU, value $35,000 - $39,999, 6 or more rooms in HU
140 140 - owned HU, value $40,000 - $49,999, 6 or more rooms in HU
141 141 - owned HU, value $40,000 - $49,999, 4 or 5 rooms in HU
142 142 - owned HU, value $40,000 - $49,999, 1-3 rooms in HU
143 143 - owned HU, value $50,000 - $64,999, 1-3 rooms in HU
144 144 - owned HU, value $50,000 - $64,999, 4 or 5 rooms in HU
145 145 - owned HU, value $50,000 - $64,999, 6 or more rooms in HU

146	146 - owned HU, value $65,000 - $79,999, 6 or more rooms in HU
147	147 - owned HU, value $65,000 - $79,999, 4 or 5 rooms in HU
148	148 - owned HU, value $65,000 - $79,999, 1-3 rooms in HU
149	149 - owned HU, value $80,000 - $99,999, 1-3 rooms in HU
150	150 - owned HU, value $80,000 - $99,999, 4 or 5 rooms in HU
151	151 - owned HU, value $80,000 - $99,999, 6 or more rooms in HU
152	152 - owned HU, value $100,000 - $149,999, 6 or more rooms in HU
153	153 - owned HU, value $100,000 - $149,999, 4 or 5 rooms in HU
154	154 - owned HU, value $100,000 - $149,999, 1-3 rooms in HU
155	155 - owned HU, value $150,000 or more, 1-3 rooms in HU
156	156 - owned HU, value $150,000 or more, 4 or 5 rooms in HU
157	157 - owned HU, value $150,000 or more, 6 or more rooms in HU
158	158 - owned HU, value N/A, 6 or more rooms in HU
159	159 - owned HU, value N/A, 4 or 5 rooms in HU
160	160 - owned HU, value N/A, 1-3 rooms in HU
161	161 - institutionalized group quarters
162	162 - noninstitutionalized group quarters
201	201 - rented HU, 1-3 rooms in HU, no cash rent
202	202 - rented HU, 1-3 rooms in HU, rent less than $80
203	203 - rented HU, 1-3 rooms in HU, rent $80 - $124
204	204 - rented HU, 1-3 rooms in HU, rent $125 - $174
205	205 - rented HU, 1-3 rooms in HU, rent $175 - $224
206	206 - rented HU, 1-3 rooms in HU, rent $225 - $274
207	207 - rented HU, 1-3 rooms in HU, rent $275 - $324
208	208 - rented HU, 1-3 rooms in HU, rent $325 - $374
209	209 - rented HU, 1-3 rooms in HU, rent $375 - $424
210	210 - rented HU, 1-3 rooms in HU, rent $425 - $474
211	211 - rented HU, 1-3 rooms in HU, rent $475 - $524
212	212 - rented HU, 1-3 rooms in HU, rent $525 - $549
213	213 - rented HU, 1-3 rooms in HU, rent $550 - $599
214	214 - rented HU, 1-3 rooms in HU, rent $600 - $649
215	215 - rented HU, 1-3 rooms in HU, rent $650 - $699
216	216 - rented HU, 1-3 rooms in HU, rent $700 - $749
217	217 - rented HU, 1-3 rooms in HU, rent $750 - $999
218	218 - rented HU, 1-3 rooms in HU, rent $1,000 or more
219	219 - rented HU, 4 rooms in HU, rent $1,000 or more
220	220 - rented HU, 4 rooms in HU, rent $750 - $999
221	221 - rented HU, 4 rooms in HU, rent $700 - $749
222	222 - rented HU, 4 rooms in HU, rent $650 - $699
223	223 - rented HU, 4 rooms in HU, rent $600 - $649
224	224 - rented HU, 4 rooms in HU, rent $550 - $599
225	225 - rented HU, 4 rooms in HU, rent $525 - $549
226	226 - rented HU, 4 rooms in HU, rent $475 - $524
227	227 - rented HU, 4 rooms in HU, rent $425 - $474
228	228 - rented HU, 4 rooms in HU, rent $375 - $424
229	229 - rented HU, 4 rooms in HU, rent $325 - $374
230	230 - rented HU, 4 rooms in HU, rent $275 - $324
231	231 - rented HU, 4 rooms in HU, rent $225 - $274
232	232 - rented HU, 4 rooms in HU, rent $175 - $224

Long description:
This variable describes the household which lived in this unit in 1970 for the sample cases which were selected from the 1970 Census, the household that lived in this unit in 1980 for the sample cases which

were selected from the 1980 Census, or the household that lived in this unit in 1990 for the sample cases selected from the 1990 Census. This household may not be the same as the household living in this unit at the time of the interview. If the unit was vacant in 1970, 1980, or 1990, the variable provides information about the vacancy of the unit in that year. The codes for cases selected from the 1970 Census are 01-56. The codes for cases selected from the 1980 Census are 101-162. The codes for cases selected from the 1990 Census are 201-391.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Unit of observation:	TOPPUF
Present in survey year(s):	1998MSA, 2003N, 2004MSA

Notes:
Variable may be changed and/or suppressed in the Metro survey to comply with 100,000 population rule.

MAR =

Marital status of person

If using single file version of AHS, this variable becomes: **MAR1-MAR16**
Information for MAR1 variable (head of household) is also stored in: **HHMAR**

1	Married, SPOUSE PRESENT
2	Married, SPOUSE ABSENT
3	Widowed
4	Divorced
5	Separated
6	Never married
Blank	Not reported
B	Not applicable

Long description:
Are you now married,
widowed, divorced, separated, or never married?

Type:	Character
Edit flag variable:	JMAR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Not asked for persons under the age of 14.

NATVTY =
Country of birth

If using single file version of AHS, this variable becomes: **NATVTY1-NATVTY16**
Information for NATVTY1 variable (head of household) is also stored in: **HHNATVTY**

57	United States
72	Puerto Rico
96	Outlying Area of the US
109	France
110	Germany
117	Hungary
119	Ireland/Eire
120	Italy
128	Poland
147	Yugoslavia
185	Armenia
192	Russia
195	Ukraine
202	Bangladesh
206	Cambodia
207	China
209	Hong Kong
210	India
211	Indonesia
212	Iran
213	Iraq
214	Israel
215	Japan
218	Korea/South Korea
221	Laos
222	Lebanon
229	Pakistan
231	Philippines
238	Taiwan
239	Thailand
242	Vietnam
301	Canada
311	Costa Rica
312	El Salvador
313	Guatemala
314	Honduras
315	Mexico
316	Nicaragua
337	Cuba
339	Dominican Republic
342	Haiti
343	Jamaica
351	Trinidad and Tobago
375	Argentina
377	Brazil
379	Colombia
380	Ecuador

383	Guyana
385	Peru
440	Nigeria
555	Elsewhere
610	Other North and Central America
611	Other Caribbean
620	Other South America
640	Other Africa
641	North Africa
650	Other Europe
651	Portugal with Azores
652	Great Britain
653	Scandinavia
654	Other Northern Europe
660	Other Asia
661	Other Middle East
670	Australia/Oceania
.	Not reported

Type:	Character
Edit flag variable:	JATVTY
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Ethnic and/or political affiliations are collapsed into broad categories.

NOSTEP =

Entrance accessible w/o steps or stairs

1	Yes
2	No
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N

NROWNR =
Ownership shared w/ person not living here

1	yes
2	no
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is the ownership of the unit shared with anyone NOT living here?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(NOT 'for rent or for sale' and NOT For sale only and NOT 'sold, but not yet occupied') or (((For rent or for sale or for sale only) or Sold, but not yet occupied) and Ownership of unit time shared or don't know or refused)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
3 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

NRPAYM =
Person not living here help pay mortgage/util

1	yes
2	no
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does anyone not living here pay some of the mortgage or utility costs?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(NOT 'for rent or for sale' and NOT For sale only and NOT 'sold, but not yet occupied') or (((For rent or for sale or for sale only) or Sold, but not yet occupied) and Ownership of unit time shared or don't know or refused)] ; OR
2 : [Occupied interview and (Rented or occupied without payment)] AND [(Mobile home)] ; OR
3 : [Occupied interview and (Rented or occupied without payment)] AND [(NOT mobile home)] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

PAR =
Line number of parent of person

If using single file version of AHS, this variable becomes: **PAR1-PAR16**

1:30	1-30
.	Not reported

Type:	Numeric
Edit flag variable:	JPAR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PER =
Number of persons in household

1:30	1-30 persons
B	Not applicable

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PERSINT =
Personal/telephone interview

1	Personal visit
2	Telephone interview

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PERSON =
Line number of person

If using single file version of AHS, this variable becomes: **PERSON1-PERSON16**

1:30	1-30

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1998, in PERSON module.

The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

PERSON =

Line number of person

If using single file version of AHS, this variable becomes: **PERSON1-PERSON16**

1:30 1-30

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1998, in PERSON module.

The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

PLINE =

Line number of person

If using single file version of AHS, this variable becomes: **PLINE1-PLINE16**
Information for PLINE1 variable (head of household) is also stored in: **HHPLINE**

1:30 1-30

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

PREOCC =
Received unit as gift or purchased it

1	Gift or inheritance
2	Purchased
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you receive the home as a gift or inheritance or did you purchase it?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview and Owned] AND [(Respondent obtained home) or Did not know how obtained home or Refused to answer how obtained home or Not reported how owner obtained unit] ; OR
3 : [Occupied interview] AND [Not owned] ; OR
4 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

RACE =

Race of person

If using single file version of AHS, this variable becomes: **RACE1-RACE16**
Information for RACE1 variable (head of household) is also stored in: **HHRACE**

1	White Only
2	Black Only
3	American Indian, Alaskan Native Only
4	Asian Only
5	Hawaiian, Pacific Islander Only
6	White / Black
7	White / American Indian, Alaska Native
8	White / Asian
9	White / Hawaiian, Pacific Islander
10	Black / American Indian, Alaska Native
11	Black / Asian
12	Black / Hawaiian, Pacific Islander
13	American Indian, Alaska Native / Asian
14	Asian / Hawaiian, Pacific Islander
15	White / Black / American Indian, Alaska Native
16	White / Black / Asian
17	White / American Indian, Alaska Native / Asian
18	White / Asian/Hawaiian, Pacific Islander
19	White / Black / American Indian, Alaska Native / Asian
20	Other combinations of 2 or 3 races
21	Other combinations of 4 or 5 races

Long description:
What is the person's race?

Type:	Character
Edit flag variable:	JRACE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In surveys prior to FY2003, the RACE codes are as follows:
1 = White
2 = Black
3 = American Indian, Aleut, or Eskimo
4 = Asian or Pacific Islander
5 = Other Race
In surveys prior to 2005, the RACE code read as follows:
19 = White / American Indian, Alaska Native / Asian
In 2005, this was changed to add Black

REL =

Relationship of person to reference person

If using single file version of AHS, this variable becomes: **REL1-REL16**
Information for REL1 variable (head of household) is also stored in: **HHREL**

1	Reference person with relatives in household
2	Reference person without relatives in household
20	Spouse (husband/wife)
22	Child of reference person
23	Grandchild of reference person
24	Parent of reference person
25	Sibling (brother/sister) of reference person
26	Other relative of reference person
31	Unmarried partner (with own relatives)
32	Unmarried partner (without own relatives)
33	House/roommate (with own relatives)
34	House/roommate (without own relatives)
35	Roomer/boarder (with own relatives)
36	Roomer/boarder (without own relatives)
37	Other nonrelative (with own relatives)
38	Other nonrelative (without own relatives)

Long description:
What is this person's relationship to reference person?

Type:	Numeric
Edit flag variable:	JREL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The householder is not necessarily the first member listed for the household or even the person with the lowest PLINE value. The householder is determined through the REL variable. REL values of 1 or 2 identify the householder.

REMP =
Employed by household

1	Yes
2	No

Long description:
Is this person an employee of the household?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

RESPTYP =
Type of respondent

1:5	1-5
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
FR:MARK WITHOUT ASKING
What type of respondent is this?
(1) Owner
(2) Manager
(3) Neighbor
(4) Real Estate Agent
(5) Other

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Occupied interview] AND [(NOT URE interview or vacant interview)] ; OR
2 : [Noninterview]

SAMEHH =
Same household members live in unit

1	Yes
2	No
3	Don't Know
Blank	Not reported

Long description:
Same household members lived in unit for previous enumeration?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The conversion to automated interviewing in 1997 introduced some flaws into the SAMEHH variable that have continued to occur in subsequent surveys.
Comparing data across years using SAMEHH does not yield accurate results. A partial fix is to check STATUS in the preceding year.
If STATUS ne 1 or 4 (where NOINT = 1-6) then SAMEHH must be 2.
To obtain better results, Census suggests that alternate variables such as MOVE or AGE may be useful.

SAMEHH2 =

Same household members live in unit (recode)

1	Same household (SAMEHH=1) and current year and prior year are regular interviews
2	Different household (SAMEHH=2) and current year and prior year are regular interviews
3	Occupied and don't know if same household (SAMEHH=3) and current year and prior year are regular interviews
4	New household, current year is regular interviews, prior year is URE or vacant interview
5	New household, current year is regular interview, prior year is new interview or unit is new to sample
B	Not applicable
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

SCHHO =

Children in household schooled at home

X	Home schooled
B	Not applicable
Blank	Not reported

Long description:
Do children attend a public school or a private school?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1: [NOT occupied interview]; OR
2: [Occupied interview] AND [No hh member ages 5 thru 15]

SCHNO =

Nobody in household attends school

X	Does not attend school
B	Not applicable
Blank	Not reported

Long description:
Does anyone in household attend a public school or a private school?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SCHOTH =

Someone in household attends other type of school

X	Other school (ungraded schools, special schools, preschools, early learning centers,
B	Not applicable
Blank	Not reported

Long description:
Does anyone in household attend a public school or a private school?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SCHPRI =
Someone in household attends private school

X	Private school (K-12)
B	Not applicable
Blank	Not reported

Long description:
Does anyone in household attend a public school or a private school?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SCHPUB =
Someone in household attends public school

X	Public school (K-12)
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does anyone in household attend a public school or a private school?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SEX =
Sex of person

If using single file version of AHS, this variable becomes: **SEX1-SEX16**
Information for SEX1 variable (head of household) is also stored in: **HHSEX**

1	Male
2	Female

Long description:
What is the sex of this person: Male or Female?

Type:	Character
Edit flag variable:	JSEX
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SNITEV =
Number of nights owner spends at vacant/URE unit

1	0-2 nights
2	3-7 nights
3	8 or more nights
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
In the past year, how many nights did the owner(s) stay in this vacant/URE unit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SPAN =
Spanish origin of person

If using single file version of AHS, this variable becomes: **SPAN1-SPAN16**
Information for SPAN1 variable (head of household) is also stored in: **HHSPAN**

1	Yes
2	No

Long description:
Is this person Hispanic or Spanish-American?

Type:	Character
Edit flag variable:	JSPAN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SPOS =
Line number of spouse of person

If using single file version of AHS, this variable becomes: **SPOS1-SPOS16**
Information for SPOS1 variable (head of household) is also stored in: **HHSPOS**

1:30	1-30
.	Not reported

Type:	Numeric
Edit flag variable:	JSPOS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

STATUS =

Interview status

1	Occupied interview
2	URE (Usual Residence Elsewhere) interview
3	Vacant interview
4	Noninterview

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

TEN =

This person is owner/renter of unit

If using single file version of AHS, this variable becomes: **TEN1-TEN16**
Information for TEN1 variable (head of household) is also stored in: **HHTEN**

X	Person owns or rents unit
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In the 1999 National data, some of the values of TEN are coded '1' when they should be coded 'X.'

WHDY =
Number of days worked at home

If using single file version of AHS, this variable becomes: **WHDY1-WHDY16**

0:7 0-7 Days

Long description:
How many separate days last week did this person work at home instead of traveling to work?

Type:	Character
Edit flag variable:	JWHDY
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHHRB =
hours worked at home (self-employed)

If using single file version of AHS, this variable becomes: **WHHRB1-WHHRB16**

1:168 1-168 Hours

Long description:
Last week, how many hours did this person work at home as a self-employed person or contract worker or business owner?

Type:	Numeric
Edit flag variable:	JWHHRB
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHHRW =

hours worked at home (wage & salary)

If using single file version of AHS, this variable becomes: **WHHRW1-WHHRW16**

0:168	0-168 Hours

Long description:
Last week, how many hours did this person work at home on a wage or salary job?

Type:	Numeric
Edit flag variable:	JWHHRW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHOME =

Work at home for employer

If using single file version of AHS, this variable becomes: **WHOME1-WHOME16**

1	Yes
2	No

Long description:
Last week, did this person do any of the regularly scheduled work for the employer at home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WINUS =
Place of work outside the U.S.

If using single file version of AHS, this variable becomes: **WINUS1-WINUS16**

1	Place of work outside of U.S.
9	Work inside U.S. or Not Applicable

Long description:
In what City, State, Zip code, and county did this person work last week?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WLINEQ =
Work at all last week

If using single file version of AHS, this variable becomes: **WLINEQ1-WLINEQ16**
Information for WLINEQ1 variable (head of household) is also stored in: **HHWLINEQ**

1	Yes
2	No
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did this person work at any time last week?
(DO NOT COUNT A PERSON AS WORKING IF HE/SHE WAS ABSENT FROM WORK ALL LAST WEEK DUE TO ILLNESS, VACATION, STRIKE, LAYOFF, ETC.)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

ZADULT =

Number of adults 18+ in household

0:10	0-10 adults
11	11 adults or more
B	Not applicable

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded but users can also add all of the people in household.
Topcoded at 11. Listed topcode appears on microdata.

ZMVGRP =

Total Number of mover groups in the household

0:4	0:4
B	Not applicable
Blank	Not reported

Long description:
Total number of mover groups in the household

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

Income

Data on income are available at various levels of detail: individual household member income, relative/non-relative income, family income, and household income. The term “family” means the reference person and anyone else in the household related to the reference person. Data are available for total income, as well as individual income and assets components such as wages, social security, pensions, welfare, alimony, estates and interest income. This section also includes variables on subsidies received by the family (housing subsidies, energy subsidies, food stamps) and on contributions towards rent made by non-relatives living in the unit.

Notes:

Accounting Period: There may be significant differences in the income data among the AHS, other surveys, and Decennial Census. For example, the time period for income data in the AHS refers to the 12 months before the interview. Other income data generally refer to the calendar year before the date of the interview. Additional differences in the income date may be attributed to the various ways income questions are asked. Because the AHS questions refer to the last 12 months, there may be some inconsistencies in the way respondents provide income information within the AHS. The interviews are conducted in the fall of the survey year. Some respondents may provide information based on their last income tax return, while others may give answers based on their current income tax return, while still others may give answers based on their current income. Income includes a full year of income for all current members, even if they did not live in the household all year.

Wages and salaries: In all years, wages and salaries are reported separately for each family member (SAL1-SAL15). Similarly, sources of family income other than wages are available in all years. The level of detail in reporting income amounts from other sources and income of non-relatives varies from year to year. (See documentation of variables in this section.) Family income other than wages and salaries is aggregated under one variable (VOTHER). Total income of nonrelatives (wages, salaries and other incomes) is reported separately for each non-relative. The variable SAL (SAL1-SAL15 in the “flattened form”) – wage and salary income of person – contains the wages and salaries for family members, and total income of non-relatives. To determine whether a person is family or non-relative, use the variable REL (REL1-REL15 in the “flattened form”) – relationship to the reference person – in the Household Composition Section. It should be noted that the reference person is always family, even if he or she has no relative in the household.

Income: Income in the AHS is based on the respondent’s reply to questions about income for the 12 months before the interview. Income is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare payments, and all other money income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, union dues, bond purchases, health insurance premiums, Medicare deductions, etc.

Numerous studies have attempted to assess the accuracy of self-reported income in various surveys. These studies show there are errors in both directions (over- and under-reporting), but that in general, income is underreported.
Since 1999, income data are collected for all individuals occupying the housing unit who are 16 years of age and older. Previously, income data had been collected for all people 14 years old and over.

Wage or salary income: These are defined as the total money earnings received for work performed as an employee. It includes wages, salaries, piece-rate payments, commissions, tips, cash bonuses, and Armed Forces pay. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, professional practice, partnership, or farm in which the person was self-employed.
Salary income includes salaries received by an official of a corporation even though the person may own stock in the corporation or be the sole employee. It excludes salaries that owners of incorporated businesses pay themselves. Respondents are first asked if the family has a business. The income from the business is to be included in the total "other income" figure. If the respondent does not distinguish between salaries paid by the corporation or paid to himself/herself and other income from business, such as profit, the total business income may be reported under wages or under other income, or in certain cases double-counted, although interviewers are instructed to watch for double-counting.

Social Security or Railroad Retirement income: This category includes cash receipts of Social Security pensions; survivors' benefits; disability insurance programs for retired people, dependents of deceased insured workers, or disabled workers; and deductions for Medicare and health insurance premiums. Cash receipt of retirement, disability and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Separate payments received for hospital or other medical-care are excluded. This category does not include money received from the Supplemental Security Income Program (SSI), which is included under other income below.

Income from all other sources: This includes money income received from sources such as periodic payments from estates and trust funds; dividends; interest; net rental income from property rentals' net receipts from roomers or boarders; net royalties; public assistance or welfare payments, which include cash received from public assistance programs, such as old age assistance, aid to families with dependent children, and aid to the blind or totally disables; unemployment insurance benefits; money received for transportation and/or subsistence by people participating in special government training programs, such as the Area Redevelopment Act and the Manpower Development and Training Act; workmen's compensation cash benefits; periodic payments by the Veterans' Administration to disabled members of the Armed Forces or to survivors of deceased veterans; public or private pensions; periodic receipts from insurance policies or annuities; alimony or child support from people who are not members of the household; net gambling gains; and nonservice scholarships and fellowships. Money from the following sources is not included as income: value of income "in kind", such as free living quarters, household subsidies, food stamps, or food produced and consumed by the household; money received from the sale of property (unless the recipient was engaged in the business of selling banks deposits); accrued interest on "uncashed" savings bonds; exchange of money between relatives living in the same household; and gifts and lump-sum insurance payments, inheritances, and other types of lump-sum receipts.

Publicly Owned or Subsidized Housing: These data are not based on government or local records. The figures are, therefore, subject to the ability of a respondent to properly classify the unit as public or private and, if private, as subsidized or nonsubsidized housing. The publicly owned housing is not necessarily subsidized. For example, it includes houses owned by state colleges and by military bases as well as low-income housing projects. Subsidized housing, furthermore, includes state and local programs as well as federal and need not be low-income housing. There are known to be errors in reporting, which HUD has been researching. One report to reference is, "Quality Control for Rental Assistance Subsidy Determinations: Final Report for FY 2007". Visit the publications section of HUD USER for additional recently released reports.

CROPSL =
Receive farm income

1	Yes
2	No
B	Not applicable

Long description:
During the past 12 months did sales of crops, livestock, and other farm products from this place amount to $1,000 or more?

Type:	Character
Edit flag variable:	JROPSL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [((One-unit building) or One-unit mobile home) and Received income from business/farm/ranch and Lot is less than or equal to 44000 square feet] ; OR
3 : [Occupied interview] AND [((One-unit building) or One-unit mobile home) and Did NOT receive income from business/farm/ranch or not applicable or not reported] ; OR
4 : [Occupied interview] AND [Apartment building or Attached mobile home]

FOOD =
Meals included in rent paid to household

If using single file version of AHS, this variable becomes: **FOOD1-FOOD16**

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does that include meals?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or)] ; OR
5 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and This person is owner/renter of unit] ; OR
6 : [Occupied interview] AND [The person is 16 years or older and Relative or reference person] ; OR
7 : [Occupied interview] AND [The person is 15 years or younger] ; OR
8 : [Occupied interview] AND [Lodger does not pay a fixed amount to the household or Does not know how much lodger pays to household or Refused to answer how much lodger pays to the household]

HHFOOD =
Lodger contributes to household for food

X household groceries

Long description:
Do you ask lodgers to contribute on a regular basis to the household costs for:

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

HHMORT =
Lodger contributes to household for mort/rent

X the mortgage or rent

Long description:
Do you ask lodgers to contribute on a regular basis to the household costs for:

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

HHOTH =
Lodger contributes to household for other costs

X anything else

Long description:
Do you ask lodgers to contribute on a regular basis to the household costs for:

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

HHUTFU =
Lodger contributes to household for utilities

X	utilities or fuels

Long description:
Do you ask lodgers to contribute on a regular basis to the household costs for:

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

INV20K =
Total savings/investments over $25,000

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is the total amount of savings and investments over $25,000?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [Occupied interview] AND [(Total Household Income LE $25,000 OR Unknown) AND Savings, Investments in a farm or business, or Other investments (excluding their home)]

LODRNT =

Amount lodger pays to household

If using single file version of AHS, this variable becomes: **LODRNT1-LODRNT16**

1:9997	$1-$9,997
9998	$9,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How much is this amount?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or)] ; OR
5 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and This person is owner/renter of unit] ; OR
6 : [Occupied interview] AND [The person is 16 years or older and Relative or reference person] ; OR
7 : [Occupied interview] AND [The person is 15 years or younger] ; OR
8 : [Occupied interview] AND [Lodger does not pay a fixed amount to the household or Does not know how much lodger pays to household or Refused to answer how much lodger pays to the household]

LODSTA =

Lodger pays fixed amount to household

If using single file version of AHS, this variable becomes: **LODSTAT1-LODSTAT16**

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
On a regular basis, (name of lodger) pay a fixed amount as a lodger to someone in this household?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or)] ; OR
5 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and This person is owner/renter of unit] ; OR
6 : [Occupied interview] AND [The person is 16 years or older and Relative or reference person] ; OR
7 : [Occupied interview] AND [The person is 15 years or younger]

LT25K =
Income in last 12 months over $25,000

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Was income total during the last 12 months over $25,000?

Type:	Character
Edit flag variable:	JLT25K
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N

Conditions not in universe:
1 : [NOT occupied interview]

OTHEST =
Anyone home who can estimate nonrelative income

If using single file version of AHS, this variable becomes: **OTHEST1-OTHEST16**

2	No
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is there anyone home now who could provide an estimate of nonrelative lodger's income in the last 12 months?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [NOT occupied interview]

PQALIM =

Person has alimony or child support income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months, did you_name receive alimony or child support?

Type:	Character
Edit flag variable:	JPQALIM
Allocation Matrix:	Regression based
Topcoded:	No
Module 1999 and earlier:	
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Age NOT 16 or older]; OR
3 : [Occupied interview] AND [Age NOT 16 or older] AND [Relationship to Householder NOT relative]

PQIDRI =

Received interest, dividends, royalty income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any interest, dividends, net rental income, royalty income, or income from and trusts DURING THE PAST 12 MONTHS? Report even small amounts credited to your account.

Type:	Character
Edit flag variable:	JPQIDRI
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N

PQDIV =
Person has dividends

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months, did you_name have dividends from stocks?

Type:	Character
Edit flag variable:	JPQDIV
Allocation Matrix:	Regression based
Topcoded:	No
Module 1999 and earlier:	
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Age NOT 16 or older]; OR
3 : [Occupied interview] AND [Age NOT 16 or older] AND [Relationship to Householder NOT relative]

PQINT =

Person has interest income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months, did you_name have interest from savings, money marketfunds, IRA's, CDs, or other interest bearing accounts?

Type:	Character
Edit flag variable:	JPQINT
Allocation Matrix:	Regression based
Topcoded:	No
Module 1999 and earlier:	
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Age NOT 16 or older]; OR
3 : [Occupied interview] AND [Age NOT 16 or older] AND [Relationship to Householder NOT relative]

PQOTALM =

Received VA/unemployment/child support/alimony/other income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive income on a REGULAR basis from any other source such as Veteran's Administration (VA) payments, unemployment compensation, child support or alimony DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQOTALM
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N

PQOTHER =

Person has unempl/workers comp/VA/other pay

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months, did you receive unemployment compensation, any veteran's payments not already mentioned or any other income?

Type:	Character
Edit flag variable:	JPQOTHER
Allocation Matrix:	Regression based
Topcoded:	No
Module 1999 and earlier:	
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview]; OR
2 : [Occupied interview] AND [Age NOT 16 or older]

PQOTHNR =

Other income received by nonrelative

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive income on a REGULAR basis from any other sources DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQOTHNR
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PQRENT =

Person has rental income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months, did you_name receive rental income?

Type:	Character
Edit flag variable:	JPQRENT
Allocation Matrix:	Regression based
Topcoded:	No
Module 1999 and earlier:	
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:

1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Age NOT 16 or older]; OR
3 : [Occupied interview] AND [Age NOT 16 or older] AND [Relationship to Householder NOT relative]

PQRETIR =

Received retirement or survivor pension

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any retirement or survivor pensions DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQRETIR
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PQSAL =

Wages/salary received by reference person/relative

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
During the past 12 months, did you receive any wages, salary, tips, bonuses, or commissions?

Type:	Character
Edit flag variable:	JPQSAL
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PQSALNR =

Salary received by nonrelative

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
During the past 12 months, did you receive any wages, salary, tips, bonuses, or commissions?

Type:	Character
Edit flag variable:	JPQSALNR
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PQSELF =
Received self-employment income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any self-employment income DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQSELF
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

Notes:
Report income from own business (farm or non-farm) including proprietorship and partnership.

PQSELFNR =
Received self-employment income by nonrelative

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any self-employment income DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQSELFNR
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

Notes:
Report income from own business (farm or non-farm) including proprietorship and partnership.

PQSS =
Received Social Security or Railroad Retirement pension

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any Social Security or Railroad Retirement benefits DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQSS
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PQSSI =
Received Supplemental Security Income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any Supplemental Security Income (SSI) payments DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQSSI
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

Notes:
Exclude Supplemental Security Disability Income (SSDI).

PQWELF =

Received AFDC, TANF or other public assistance or welfare program payments

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any public assistance or public welfare payments from the state or local welfare office DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQWELF
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PQWKCMP =

Received SSDI, work. comp., vet. or other disability payments

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any disability payments such as SSDI, worker's compensation, veteran's disability or other disability payments DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JPQWKCMP
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

PVOTHER =

Sum of a person's other income

If using single file version of AHS, this variable becomes: **PVOTHER1-PVOTHER16**

-10000:-10	-$10,000 to -$10
0:9999997	$0 to $9,999,997
9999998	$9,999,998 or more
B	Not applicable
.	Not reported

Long description:
A sum of all other non-wage income for a person.

Type:	Numeric
Edit flag variable:	JPVOTHER
Allocation Matrix:	Regression based
Topcoded:	Yes
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

QALIM =

Received alimony or child support

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Recode - Some family member received alimony/child support DURING THE PAST 12 MONTHS
householder or relative age 16 or older - set to 1 if any family member's PQALIM is 1 else 2

Previously - In the past 12 months did-you receive alimony/child support?

Type:	Character
Edit flag variable:	JQALIM
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QBINV =

Household has farm or business investments

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Have investments in a farm or business?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Income in last 12 months over $25,000] ; OR
3 : [Occupied interview] AND [Total household income is greater than $25,000]

QBUS =

Received income from business/farm/ranch

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months did you have a business, farm or ranch?

Type:	Character
Edit flag variable:	JQBUS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QDIV =
Received dividends from stock

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Recode - Some family member had dividend income DURING THE PAST 12 MONTHS
householder or relative age 16 or older - set to 1 if any family member's PQDIV is 1 else 2

Previously - In the past 12 months did you have dividends from stocks?

Type:	Character
Edit flag variable:	JQDIV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QFS1 =
Received food stamps in last 12 months

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did you receive Food Stamp Benefits in the past 12 months?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Income in last 12 months over $25,000] ; OR
3 : [Occupied interview] AND [Total household income is greater than $25,000]

QIDRI =
Received interest/rental/royalty/estate income

1	Yes
2	No
Blank	Not reported

Type:	Character
Edit flag variable:	JQIDRI
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

QINT =

Received interest from savings, cd, etc

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months did-you have interest from savings, money market funds, IRA's, certificates of deposit or other interest bearing accounts?

Type:	Character
Edit flag variable:	JQINT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QMEN =

Any income not already mentioned

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
We want to make sure we've included all income. In the past 2 months, did you have any income not already mentioned?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QOINV =
Household has other investments

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
have other investments (excluding this home)?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Income in last 12 months over $25,000] ; OR
3 : [Occupied interview] AND [Total household income is greater than $25,000]

QOTALM =
Received VA/unemploy/child support/alim/other

1	Yes
2	No
Blank	Not reported

Type:	Character
Edit flag variable:	JQOTALM
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

QOTHER =
Received unemployment/vet payments/other inc

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months did-you receive unemployment compensation, any veterans' payments not already mentioned or any other income?

Type:	Character
Edit flag variable:	JQOTHER
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QRENT =
Received rental income

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months did-you receive rental income?

Type:	Character
Edit flag variable:	JQRENT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

QRETIR =
Received retirement or survivor pension

1	Yes
2	No
Blank	Not reported

Type:	Character
Edit flag variable:	JQRETIR
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

QSAVNG =
Household has savings

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
have savings?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Income in last 12 months over $25,000] ; OR
3 : [Occupied interview] AND [Total household income is greater than $25,000]

QSELF =
Received self-employment income

1	Yes
2	No
Blank	Not reported

Type:	Character
Edit flag variable:	JQSELF
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

QSS =
Received social security or pension

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months did you receive Social Security/pensions?

Type:	Character
Edit flag variable:	JQSS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview]

QSSI =
Received supplemental security income

1	Yes
2	No
Blank	Not reported

Type:	Character
Edit flag variable:	JQSSI
Allocation Matrix:	Regression based
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

QWELF =
Received AFDC, TANF or other public assistance or welfare program payments

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Did you receive any public assistance or public welfare payments from the state or local welfare office DURING THE PAST 12 MONTHS?

Type:	Character
Edit flag variable:	JQWELF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The question was revised in 2005 from the following:
In the past 12 months did you receive SSI/AFDC/other welfare?

Conditions not in universe:
1 : [NOT occupied interview]

QWKCMP =

Received workers compensation or other disability payments

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
In the past 12 months did you receive worker's compensation or other disability payments?

Type:	Character
Edit flag variable:	JWKCMP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [NOT occupied interview]

RCARP =

Receive help w/ transportation expenses

X	Car or transportation expenses (include gas, car payments tolls, public transportation)
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RCLOT =
Receive help with clothing expenses

X	Clothes
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RCOST =
Receive help with rent payments

X	The rent
D	Don't Know
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

REPHA =
Report income to public housing authority

1	A building manager or landlord?
2	A public housing authority or a state or local housing agency?
3	Or, someone else? Specify
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
To whom did you report
your income--

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [(Income info NOT required for lease renewal or Don't know if income info required for lease renewal or Refused to disclose if income info required for lease renewal) and] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
8 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
9 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

RGROC =
Receive help with grocery bills

X	Food or groceries
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RKIDC =
Receive help with child care payments

X	Child care
D	Don't Know
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RMEDI =
Receive help with medical bills

X	Medical care or medicine
D	Don't Know
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RNTDUE =
Frequency of lodger's rent payment to household

If using single file version of AHS, this variable becomes: **RNTDUE1-RNTDUE16**

1:52	1-52 times per year
53	53 times or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How often is this amount due?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or)] ; OR
5 : [Occupied interview] AND [The person is 16 years or older and Non-Relative and This person is owner/renter of unit] ; OR
6 : [Occupied interview] AND [The person is 16 years or older and Relative or reference person] ; OR
7 : [Occupied interview] AND [The person is 15 years or younger] ; OR
8 : [Occupied interview] AND [Lodger does not pay a fixed amount to the household or Does not know how much lodger pays to household or Refused to answer how much lodger pays to the household]

ROTHE =
Received other assistance making ends meet

1	Yes
2	No
D	Don't Know
Blank	Not reported

Long description:
Do you receive any financial help or assistance in making ends meet?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RUTIL =
Receive help with utility bills

X	Utility bills
Blank	Not reported

Long description:
In these difficult economic times, many people have trouble making ends meet. Do you receive any EXTRA help from people or groups outside the household to meet your monthly expenses, such as help with -

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	ratiov
Module 2001 and later:	ratiov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SAL =
Wage & salary income of person

If using single file version of AHS, this variable becomes: **SAL1-SAL16**

0	None
1:999997	$1-$999,997
999998	$999,998 or more
B	Not applicable

Long description:
In the past 12 months, how much did you earn in wages, salaries, tips, and commissions before deductions? (IF DON'T KNOW, ASK FOR BEST ESTIMATE)

Type:	Numeric
Edit flag variable:	JSAL
Allocation Matrix:	Regression based
Topcoded:	Yes
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	SAL
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at 1,000,000.

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [(Person is not household member or The is 15 years or younger)]

SUBRNT =
Government subsidizes rent for unit

0	Blank (Missing)
1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does the Federal, State, or local government pay some of the cost of the unit?

Type:	Character
Edit flag variable:	JUBRNT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or Rented, but not yet occupied)] AND [Owned by public housing authority] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [Report income to public housing authority or a state or local housing agency and] ; OR
8 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
9 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

SUBRNT1 =
Government subsidizes rent for unit

1	Yes
2	No
3	Don't know

Long description:
Do you pay a lower rent because the government is paying part of the cost of the unit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
5 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

SUBRNT2 =
Government subsidizes rent for unit

1	Yes
2	No

Long description:
Does the Federal, State, or local government pay some of the cost of the unit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

VCHER =
Received voucher to help pay rent

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did a public housing authority, or some similar agency, give you a CERTIFICATE or VOUCHER to help pay the rent for this housing unit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
2 : [(URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied))] AND [ ] ; OR
3 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
4 : [(URE interview or vacant interview)] AND [For sale only or Sold, but not yet occupied] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and (Rented or occupied without payment)] AND [Respondents were assigned to particular location of public housing and] ; OR
7 : [Occupied interview and (Rented or occupied without payment)] AND [ ] ; OR
8 : [Occupied interview and (Rented or occupied without payment)] AND [Don't know if owned by public housing authority and (Income info required for lease renewal or Refused to disclose if income info required for lease renewal) and DO NOT report income to public housing authority or a state or local housing agency and] ; OR
9 : [Occupied interview and (Rented or occupied without payment)] AND [Don't know if owned by public housing authority and (Income info NOT required for lease renewal or Don't know if income info required for lease renewal) and Government doesn't subsidize rent for unit or don't know or refused and] ; OR
10 : [Occupied interview and (Rented or occupied without payment)] AND [Owned by public housing authority] ; OR
11 : [Occupied interview and (Rented or occupied without payment)] AND [Government doesn't subsidize rent for unit and] ; OR
12 : [Occupied interview and Owned] AND [Respondent has homeowner's insurance] ; OR
13 : [Occupied interview and Owned] AND [Respondent does not have homeowner's insurance]

VOTHER =

Total amount of other family income

If using single file version of AHS, this variable becomes: **VOTHER1-VOTHER16**

-10000:9999997	-$10,000-$9,999,997
9999998	$9,999,998 or more
B	Not applicable

Long description:
In the past 12 months, what was the total income from:

Type:	Numeric
Edit flag variable:	JVOTHER
Allocation Matrix:	Regression based
Topcoded:	Computed from topcoded values
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at 100,000. Listed topcode appears on microdata.
Bottomcoded at -10,000. Listed bottomcode appears on microdata.
In surveys prior to 2005, the Census Bureau's practice was that if a household listed no sources of nonlabor income, VOTHER was coded as blank, not zero. Similarly, if a person had no labor income, SAL was coded as blank. Beginning in 2005, these became zero values instead.

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [(Did NOT receive income from business/farm/ranch and Did not receive social security income or pension and Did NOT receive interest from savings, cd, etc. and Did NOT receive dividends from stock and Did NOT receive rental income and did NOT receive ssi, afdc, other welfare and Did NOT receive alimony or child support and Did NOT receive workers company or other disability and Did NOT receive unemployment /vet. Payments/other income)]

VOTHER2 =
Total amount of other household income

-10000:9999997	-$10,000-$9,999,997
9999998	$9,999,998 or more
B	Not applicable

Type:	Numeric
Edit flag variable:	JVOTHER2
Allocation Matrix:	Regression based
Topcoded:	Yes
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

Notes:
Topcoded at 100,000. Listed topcode appears on microdata.
Bottomcoded at -10,000. Listed bottomcode appears on microdata.

Conditions not in universe:
1 : [NOT occupied interview]

ZINC =
Family income

-10000	Loss of $10,000 or more
-9999:-1	Loss of $1-$9,999
0	No income
1:9999995	Income of $1-$9,999,995
9999996	Income of $9,999,996 or more
B	Not applicable

Long description:
The family income recode is the sum of the wage & salary income of the householder and all related individuals age 14+ and all other reported income.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	Regression based
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1999, this question covers people age 16 and older.
Topcoded at 9,999,996. Listed topcode appears on microdata.
Bottomcoded at -10,000. Listed bottomcode appears on microdata.

ZINC2 =
Household Income

-10000	Loss of $10,000 or more
-9999:-1	Loss of $1-$9,999
0	No income
1:9999995	Income of $1-$9,999,995
9999996	Income of $9,999,996 or more
B	Not applicable

Long description:
The household income recode is the sum of the wage & salary income of all household members age 14+ and all other reported income.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	Regression based
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1999, this question covers people age 16 and older.
Topcoded at 9,999,996. Listed topcode appears on microdata.

ZINCH =
This month's income same as 1 year ago

1	Yes, about the same, or within 10 percent, or just cost of living adjustments
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is your total income THIS MONTH about the same as it was a year ago?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview]

ZINCN =
Expected income in next 12 months

0	None
1:999997	$1 - $999,997
999998	$999,998 or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
What do you expect your total income to be in the NEXT 12 MONTHS?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at 1,000,000.

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [This month's income is the same as 1 year ago]

Neighborhood

Data on neighborhood conditions include the presence of particular services, their dependability/adequacy, and the presence/extent of bother of particular detriments (e.g., litter, crime pollution. Users should note that data on neighborhood conditions are based on subjective assessments of the respondent rather than on objective evaluations of the neighborhood (there are a few exceptions where the enumerator's observations are available; these are indicated as appropriate). Furthermore, neighborhood is not defined to the respondent; it is whatever the respondent considers his/her neighborhood to be. Items related to previous neighborhood are presented in the Recent Mover section. Starting in 1997, interviewers are asked to complete, by observation, a few questions describing the immediate surroundings of the sample unit. The area is defined as ½ block in any direction from the front of the building. These variables are identified in the documentation by the words "within ½ block" in the variable description.

Some of the questions were asked in a three-part format: Does the problem exist, is it disturbing to you, and does the problem make you want to move? The following questions:

1) Neighborhood crime (CRIMEA, CRIMEB, CRIMEC)
2) Neighborhood smells (ODORA, ODORB, ODORC)
3) Street noise (STRNA, STRNB, STRNC)

The phrase "want to move" in these variables is not intended as a measure of mobility but as a measure of dissatisfaction. Nevertheless, the variables are weakly correlated to mobility.

ACCESSC =

Entry system required to access community

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

BADPER =

People in neighborhood are bothersome

X	People
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

BADPRP =
Undesirable neighborhood/property bothersome

X	Undesirable commercial, institutional, or industrial property
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

BADSRV =
Poor city/county services are bothersome

X	Poor city/county services
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

COMMRECR =
Community recreational facilities available

1	Yes
2	No
B	Not applicable

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

COMMSERV =
Community services provided

1	Yes
2	No
B	Not applicable

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

CRIME =

Serious neighborhood crime in last 12 months

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
To the best of your knowledge, have any serious crimes occurred in your neighborhood in the past 12 months? For example, burglary, robbery, theft, rape, or murder?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1: [NOT occupied interview]

CRIMEA =

Neighborhood has neighborhood crime

1	YES
2	NO
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
The following questions are concerned with specific aspects of your PRESENT neighborhood.
Does the neighborhood have neighborhood crime?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

CRIMEB =
Neighborhood crime bothersome

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Does the neighborhood crime bother you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

CRIMEC =
Crime so bad you want to move

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is it so objectionable that you would like to move from the neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

EABAN =
Abandoned/vandalized buildings within 1/2 blk

1	Yes, one
2	Yes, more than one
3	No
4	No other buildings within 300 feet
0	Not reported
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any vandalized or abandoned buildings within half a block of this building?
Is there more than one vandalized or abandoned building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EAGE =
Unit about same age as nearby units

1	Older
2	Same age
3	Younger
4	Very mixed
5	No other residential buildings
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Finally, is this building older, younger or about the same age at the nearby buildings?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EAPTBL =
Apartment buildings within 1/2 block of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any apartment buildings within a half a block of this building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EBARCL =
Buildings w/ bars on windows within 1/2 blk

1	Yes, one building with bars
2	Yes, more than one building
3	No bars on windows
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now, thinking of ALL of the buildings that are within half a block of this building, do any of these buildings have metal bars on their windows? Is there more than one building with metal bars on the windows?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no abandoned or vandalized buildings within 300 feet] ; OR
2 : [Noninterview]

ECOM1 =
Business/institutions within 1/2 block

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any businesses or institutions, such as stores, restaurants, schools or hospitals within half a block of this building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ECOM2 =
Factories/other industry within 1/2 block

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How about any factories or other industrial structures?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EGREEN =
Open spaces within 1/2 block of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any open spaces, such as parks, woods, farms or ranches within a half block of this building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EHIGH =
Apartment buildings 7+ stories tall within 1/2 blk

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Think of the apartment buildings that are located within a half block
of this building, are any of these apartment buildings 7 or more stories tall?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no apartment buildings within half a block of the unit] ; OR
2 : [Noninterview]

EJUNK =
Trash/junk in streets/properties in 1/2 blk

1	Major accumulation
2	Minor accumulation
3	None
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is there trash, litter or junk in the streets, roads, empty lots or on any properties within half a block of this building? (INCLUDE THIS BUILDING)
Is there a small amount or a large amount of trash, litter or junk?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ELOW1 =
Single-family town/rowhouses in 1/2 blk

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How about single-family townhouses or rowhouses?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ELOW2 =
Apartment buildings <4 stories tall within 1/2 blk

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any less than 4 stories tall?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no apartment buildings within half a block of the unit] ; OR
2 : [Noninterview]

EMID =
Apartment buildings 4-6 stories within 1/2 block

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any of these apartment buildings 4 to 6 stories tall?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no apartment buildings within half a block of the unit] ; OR
2 : [Noninterview]

EMOBIL =
Mobile homes within 1/2 block of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any mobile homes? (EXCLUDE CAMPERS)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EPRKG =
Parking lots within 1/2 block of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any parking lots within a half block of this building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EPRKGA =
Nearby parking lots useable by anyone

X	Parking lots can be used by anyone
B	Not applicable
Blank	Not reported

Long description:
Referring to the parking lots you just mentioned, can these parking lots be used by those who work or shop in your neighborhood, or are they only to be used by those who live in your neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no parking lots within half a block of the unit] ; OR
2 : [Noninterview]

EPRKGR =
Nearby parking lots for residents only

X	Parking lots only for residents
B	Not applicable
Blank	Not reported

Long description:
Referring to the parking lots you just mentioned, can these parking lots be used by those who work or shop in your neighborhood, or are they only to be used by those who live in your neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no parking lots within half a block of the unit] ; OR
2 : [Noninterview]

EPRKGS =
Nearby parking lots for shoppers/workers

X	Parking lots for shoppers or workers only
B	Not applicable
Blank	Not reported

Long description:
Referring to the parking lots you just mentioned, can these parking lots be used by those who work or shop in your neighborhood, or are they only to be used by those who live in your neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [There are no parking lots within half a block of the unit] ; OR
2 : [Noninterview]

EROAD =
Roads within 1/2 block need repairs

1	Major repair work
2	Minor repair work
3	No repair work
4	No streets within half a block
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
What is the condition of the streets within half a block of this building?
Do these streets need major repairs, minor repairs or no repair work?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ESFD =
Single family homes within 1/2 block

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any single-family houses?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

ETRANS =
Railroad/airport/4-lane hwy within 1/2 block

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How about any railroads, airports or highways with at least 4 lanes -- any of these within a half block of this building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

EWATER =

Bodies of water within 1/2 block of unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
These next questions ask about the area that is within a half block of this building. For this survey, a half block is about 300 feet in length. Are there any bodies of water, such as ponds, lakes, rivers or the ocean within a half block of this building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

GATED =

Walls/fences surrounding community

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is your community surrounded by walls or fences preventing access by persons other than residents?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HOWN =

Rating of neighborhood as place to live

0	No neighborhood
1:10	Rating (10 is best, 1 is worst)
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
How would you rate your neighborhood on a scale of 1-10?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview]

LITTER =

Litter in neighborhood bothersome

X	Litter or housing deterioration
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NEWTRN =

Neighborhood Public transportation satisfactory

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is there public transportation for this area?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NOISE =

Noise in neighborhood is bothersome

X	Noise
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NOISN1 =

Hear neighbors through floor/walls/ceiling

1	Never (at most once per year)
2	Rarely (less than 2 times per month)
3	Sometimes (less than 2 times per week)
4	Frequently (2 or more times per week)
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
What about inside your building? How often, if ever, do you hear neighbors through the floors, walls or ceilings of your housing unit?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NOISN2 =
Loudness of neighbor's noise bothersome

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is the loudness of the noise bothersome?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NOISN3 =
Timing of neighbor's noise bothersome

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is the time of the noise bothersome?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NOPROB =
Nothing bothersome in neighborhood

X	No problem
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NORC =
Majority of neighbors 55+

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NPROBS =
Anything bothersome in neighborhood

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is there anything about the neighborhood that bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

ODOR =
Neighborhood has bad smells

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does the neighborhood have smoke, gas, or bad smells?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1: [NOT occupied interview]

ODORA =

Neighborhood has bad smells

1	YES
2	NO
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
The following questions are concerned with specific aspects of your PRESENT neighborhood.
Does the neighborhood have smoke, gas, or bad smells?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

ODORB =

Neighborhood smells are bothersome

1	Yes
2	No
B	Not applicable
D	Don't Know

Long description:
Does the smoke, gas, or bad smells bother you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

ODORC =
Smells are so bad you want to move

1	Yes
2	No
B	Not applicable
D	Don't Know

Long description:
Is it so objectionable that you would like to move from the neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

OTHNHD =
Other problems bothersome in neighborhood

X	Other (SPECIFY)
B	Not applicable
R	Refused
Blank	Not reported

Long description:
What about the neighborhood bothers you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SATPOL =

Neighborhood police protection satisfactory

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you have satisfactory police protection for this area?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SCH =

Neighborhood public Elementary school satisfactory

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is the public elementary school for this area satisfactory?
(IF MORE THAN ONE PUBLIC ELEMENTARY SCHOOL, ASK ABOUT THE CLOSEST ONE TO THE SAMPLE UNIT.)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SCHCLS =

Neighborhood public Elementary school within 1 mile

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is that public elementary school within one mile of here?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SCHM =

Public Elementary school so bad you want to move

1	Yes
2	No
B	Not applicable
D	Don't Know

Long description:
Is it so unsatisfactory that you would like to move from the neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SHARPF =
Unit shares plumbing facilities

1	Yes
2	No
B	Not applicable

Long description:
Some people live in neighborhoods where some of the houses don't have complete plumbing facilities so they must use other people's bathrooms. Does anyone not living in your home, not counting guests or workers, regularly use your

Type:	Character
Edit flag variable:	JHARPF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have hot and cold running water and Unit does not have a bathroom sink and Unit does NOT have a flush toilet and Unit does NOT have a bathtub or shower] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

SHP =
Neighborhood shopping satisfactory

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you have satisfactory neighborhood shopping, that is, grocery stores or drug stores?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

SHPCLS =
Neighborhood stores within 1 mile

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are any of these stores within one mile of you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

STRN =
Neighborhood has heavy street noise/traffic

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now, I am going to ask you a few questions that are more NEIGHBORHOOD specific.
Does your neighborhood have bothersome street noise or heavy traffic?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1: [NOT occupied interview]

STRNA =
Neighborhood has heavy street noise/traffic

1	YES
2	NO
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
The following questions are concerned with specific aspects of your PRESENT neighborhood.
Does the neighborhood have street noise or heavy street traffic?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

STRNB =
Neighborhood street noise/traffic bothersome

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does the street noise or heavy street traffic bother you?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

STRNC =
St. noise/traffic so bad you want to move

1	Yes
2	No
B	Not applicable
D	Don't Know

Long description:
Is it so objectionable that you would like to move from the neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Utilities

This section documents data collected about the types of fuel used to operate different types of equipment in the home (including supplemental heating equipment), and the costs of utilities. Data are also available on the costs of services such as garbage collection. Cost data on mortgages and rent, taxes, furnishings, and insurance are presented in the Housing Costs section.

Notes:

Heating and Cooking Fuel: “Gas from underground pipes” is gas run through pipes from a central system to serve the neighborhood. “Bottled, or other liquid fuel” is stored in tanks that are refilled or exchanged when empty. “Kerosene and other liquid fuel” includes kerosene, gasoline, alcohol, and other combustible liquids. “Other fuel” includes any other fuel such as briquettes made of pitch and sawdust, corncobs, or purchased steam.

Utility Costs: Data about the cost of utilities are not collected if the cost is included in rent, site rent, condominium or other fee, or if the fuel is not used or obtained free. The amount for each utility is the average for the past 12 months to take seasonal variations into account. Collecting information on utility costs is difficult. Unless a household subscribes to a continuous level billing plan, utility costs fluctuate greatly from month to month. Heating bills are much higher in cold winters and air conditioning affects the electricity costs during summer. Some households receive a combined bill for more than one fuel. Respondents are asked to state their average monthly costs based on the last 12 months. If the respondent does not know the exact cost, the interviewer accepts an estimate, probing as necessary to obtain the estimate. A separate variable allows the user to determine which utilities are included in the combined amount. If a respondent does not know the cost of fuel oil, coal, or wood, the interviewer helps the respondent by obtaining information on the number of gallons (tons or cords) used and the cost per unit. If the occupants have been living in the unit for less than twelve months, an estimate based on experience and general knowledge of costs is recorded.

Main House Heating Fuel: In 1999, the type of gas (piped versus bottled) used as a main house heating fuel for vacant units was collected. In 1997, the type of gas used was inadvertently omitted from the survey, so data are not available for that year.

BUYx Variables: These variables indicate whether a renter in an occupied unit pays for utilities (electricity, other fuel, gas, oil, trash pickup, and water) separately or whether they are included in the rent. When BUYx equals ‘b’, x is paid for separately and therefore should have a value in AMTx, which is the average monthly cost of a particular utility.

AFUEL =
Type of fuel used for air conditioning

1	Electricity
2	Gas, LP Gas (liquid propane)
3	Other, (Specify)
B	Not applicable

Long description:
What kind of fuel does it use?

Type:	Character
Edit flag variable:	JAFUEL
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Central air conditioning system is not used] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

AFUR =
Forced air furnace as supplemental heating equip

X	Forced warm-air furnace with ducts & vents to individual rooms
B	Not applicable
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does your housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

AMTE =
Average monthly cost of electricity

1:997	$1-$997
998	$998 or more
B	Not applicable

Long description:
In the past 12 months what was the average MONTHLY cost for electricity

Type:	Numeric
Edit flag variable:	JAMTE
Allocation Matrix:	Matrix D
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for electricity separately)]

AMTF =
Annual cost of other fuels

4:9997	$4-$9,997
9998	$9,998 or more
B	Not applicable

Long description:
From 12 months ago to current month and year, what was the total ANNUAL cost for wood, coal, kerosene or any other fuel?

Type:	Numeric
Edit flag variable:	JAMTF
Allocation Matrix:	Matrix D
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
5 : [Occupied interview] AND [The total annual cost for wood, coal, kerosene or any other fuels was billed with other fuels]

AMTG =
Average monthly cost of gas

1:997	$1-$997
998	$998 or more
B	Not applicable

Long description:
In the past 12 months what was the average MONTHLY cost for gas?

Type:	Numeric
Edit flag variable:	JAMTG
Allocation Matrix:	Matrix D
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
5 : [Occupied interview] AND [Gas billed with other utilities] ; OR
6 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

AMTO =
Annual cost of fuel oil

4:9997	$4-$9,997
9998	$9,998 or more
B	Not applicable

Long description:
From 12 months ago to current month and year, what was the total cost for fuel oil?

Type:	Numeric
Edit flag variable:	JAMTO
Allocation Matrix:	Matrix D
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Topcoded at the 97th percentile.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
5 : [Occupied interview] AND [Fuel oil billed with other utilities]

BILLE =
Type of billing for electricity

X	Billed with other utilities
B	Not applicable
Blank	Not reported

Long description:
Was the cost for electricity

Type:	Character
Edit flag variable:	JBILLE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [Electric not billed with gas and electric not billed with oil and electric not billed with other fuels and electric not billed with trash/garbage and electric not billed with water/sewage]

BILLEF =
Electricity billed with other fuels

X	Other fuel
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for electricity is billed with --

Type:	Character
Edit flag variable:	JILLFE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N

Notes:
This variable should not have been included on the national PUF. All values for the National PUF should be “B”. The variable is created as a function of how data are collected, but does not result in a value. For the Metro PUF, this variable is not included.

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [Electricity not billed with other fuels]

BILLEG =

Electricity billed with gas

X	Gas
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for electricity is billed with --

Type:	Character
Edit flag variable:	JILLGE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N

Notes:
All values for the National PUF should be “B”. The variable is created as a function of how data are collected, but does not result in a value. For the Metro PUF, this variable is not included.

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [Electricity not billed with gas]

BILLEO =

Electricity billed with fuel oil

X	Oil
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for electricity is billed with --

Type:	Character
Edit flag variable:	JILLOE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N

Notes:
All values for the National PUF should be “B”. The variable is created as a function of how data are collected, but does not result in a value. For the Metro PUF, this variable is not included.

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [Electricity not billed with oil]

BILLET =

Electricity billed with garbage/trash

X	Garbage and trash
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for electricity is billed with --

Type:	Character
Edit flag variable:	JILLTE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N

Notes:
All values for the National PUF should be “B”. The variable is created as a function of how data are collected, but does not result in a value. For the Metro PUF, this variable is not included.

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [Electricity not billed with trash]

BILLEW =

Electricity billed with water/sewage

X	Water and sewage
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for electricity is billed with --

Type:	Character
Edit flag variable:	JILLWE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N

Notes:
All values for the National PUF should be “B”. The variable is created as a function of how data are collected, but does not result in a value. For the Metro PUF, this variable is not included.

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [Electricity not billed with water/sewage]

BILLF =
Type of billing for other fuels

1	Billed separately
2	Billed with other utilities
B	Not applicable
Blank	Not reported

Long description:
Was the total ANNUAL cost for wood, coal, kerosene or any other fuels...

Type:	Character
Edit flag variable:	JBILLF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)]

BILLFE =
Other fuels billed with electricity

X	Electricity
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for wood, coal, kerosene, or any other fuel is billed with --

Type:	Character
Edit flag variable:	JILLFE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for electricity separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
7 : [Occupied interview] AND [Other fuels are billed separately or Does not know the type of billing for other fuels or Refused to answer the type of billing for other fuels]

BILLFG =
Other fuels billed with gas

X	Gas
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for wood, coal, kerosene, or any other fuel is billed with --

Type:	Character
Edit flag variable:	JILLFG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon result, possible that there are no cases in the data.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
7 : [Occupied interview] AND [Other fuels are billed separately or Does not know the type of billing for other fuels or Refused to answer the type of billing for other fuels] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLFO =
Other fuels billed with fuel oil

X	Fuel oil
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for wood, coal, kerosene, or any other fuel is billed with --

Type:	Character
Edit flag variable:	JILLFO
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
7 : [Occupied interview] AND [Other fuels are billed separately or Does not know the type of billing for other fuels or Refused to answer the type of billing for other fuels]

BILLFT =
Other fuels billed with garbage/trash

X	Garbage and trash
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for wood, coal, kerosene, or any other fuel is billed with --

Type:	Character
Edit flag variable:	JILLFT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Other fuels are billed separately or Does not know the type of billing for other fuels or Refused to answer the type of billing for other fuels]

BILLFW =
Other fuels billed with water/sewage

X	Water and sewage
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for wood, coal, kerosene, or any other fuel is billed with --

Type:	Character
Edit flag variable:	JILLFW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Other fuels are billed separately or Does not know the type of billing for other fuels or Refused to answer the type of billing for other fuels]

BILLG =
Type of billing for gas

2	Billed with other utilities
B	Not applicable

Long description:
Was the average monthly cost for gas...

Type:	Character
Edit flag variable:	JBILLG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLGE =
Gas billed with electricity

X	Electricity
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for gas is billed with --

Type:	Character
Edit flag variable:	JILLGE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for electricity separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
7 : [Occupied interview] AND [Gas is billed separately or Does not know how gas is billed or Refused to answer how gas is billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLGF =
Gas billed with fuel oil

X	Fuel oil
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for gas is billed with --

Type:	Character
Edit flag variable:	JILLGF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
7 : [Occupied interview] AND [Gas is billed separately or Does not know how gas is billed or Refused to answer how gas is billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLGO =
Gas billed with other fuels

X	Other fuel
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for gas is billed with --

Type:	Character
Edit flag variable:	JILLGO
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
7 : [Occupied interview] AND [Gas is billed separately or Does not know how gas is billed or Refused to answer how gas is billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLGT =
Gas billed with garbage/trash

X	Garbage and trash
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for gas is billed with --

Type:	Character
Edit flag variable:	JILLGT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Gas is billed separately or Does not know how gas is billed or Refused to answer how gas is billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLGW =
Gas billed with water/sewage

X	Water and sewage
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for gas is billed with --

Type:	Character
Edit flag variable:	JILLGW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon result, possible that there are no cases in the data.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Gas is billed separately or Does not know how gas is billed or Refused to answer how gas is billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLO =
Type of billing for fuel oil

X	Billed with other utilities
B	Not applicable
Blank	Not reported

Long description:
Was the total cost for fuel oil...

Type:	Character
Edit flag variable:	JBILLO
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for fuel oil separately)]

BILLOE =
Fuel oil billed with electricity

X	Electricity
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for fuel oil is billed with --

Type:	Character
Edit flag variable:	JILLOE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for electricity separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
7 : [Occupied interview] AND [Fuel oil is billed separately or Does not know the type of billing for fuel oil or Refused to answer the type of billing for fuel oil]

BILLOF =
Fuel oil billed with other fuels

X	Other fuel
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for fuel oil is billed with --

Type:	Character
Edit flag variable:	JILLOF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon result, possible that there are no cases in the data.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
7 : [Occupied interview] AND [Fuel oil is billed separately or Does not know the type of billing for fuel oil or Refused to answer the type of billing for fuel oil]

BILLOG =
Fuel oil billed with gas

X	Gas
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for fuel oil is billed with --

Type:	Character
Edit flag variable:	JILLOG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
7 : [Occupied interview] AND [Fuel oil is billed separately or Does not know the type of billing for fuel oil or Refused to answer the type of billing for fuel oil] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLOT =
Fuel oil billed with garbage/trash

X	Garbage and trash
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for fuel oil is billed with --

Type:	Character
Edit flag variable:	JILLOT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Fuel oil is billed separately or Does not know the type of billing for fuel oil or Refused to answer the type of billing for fuel oil]

BILLOW =
Fuel oil billed with water/sewage

X	Water and sewage
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for fuel oil is billed with --

Type:	Character
Edit flag variable:	JILLOW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Fuel oil is billed separately or Does not know the type of billing for fuel oil or Refused to answer the type of billing for fuel oil]

BILLT =
Type of billing for garbage & trash

2	Billed with other utilities
B	Not applicable

Long description:
Was the total cost for garbage and trash collection...

Type:	Character
Edit flag variable:	JBILLT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of garbage and sewer is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)]

BILLTE =
Garbage/trash billed with electricity

X	Electricity
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for garbage and trash collection is billed with --

Type:	Character
Edit flag variable:	JILLTE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of garbage and sewer is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for electricity separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Garbage and trash are billed separate from other utilities or Does not know type of billing for garbage and trash or Refused to answer how garbage and trash are billed]

BILLTF =
Garbage/trash billed with other fuels

X	Other fuel
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for garbage and trash collection is billed with --

Type:	Character
Edit flag variable:	JILLTF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon result, possible that there are no cases in the data.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of garbage and sewer is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Garbage and trash are billed separate from other utilities or Does not know type of billing for garbage and trash or Refused to answer how garbage and trash are billed]

BILLTG =
Garbage/trash billed with gas

X	Gas
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for garbage and trash collection is billed with --

Type:	Character
Edit flag variable:	JILLTG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of garbage and sewer is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Garbage and trash are billed separate from other utilities or Does not know type of billing for garbage and trash or Refused to answer how garbage and trash are billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLTO =
Garbage/trash billed with fuel oil

X	Fuel oil
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for garbage and trash collection is billed with --

Type:	Character
Edit flag variable:	JILLTO
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon result, possible that there are no cases in the data.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of garbage and sewer is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
6 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
7 : [Occupied interview] AND [Garbage and trash are billed separate from other utilities or Does not know type of billing for garbage and trash or Refused to answer how garbage and trash are billed]

BILLTW =
Garbage/trash billed with water/sewage

X	Water and sewage
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for garbage and trash collection is billed with --

Type:	Character
Edit flag variable:	JILLTW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
5 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
6 : [Occupied interview] AND [Garbage and trash are billed separate from other utilities or Does not know type of billing for garbage and trash or Refused to answer how garbage and trash are billed]

BILLW =
Type of billing for water & sewage

2	Billed with other utilities
B	Not applicable

Long description:
Was the total cost for water supply and sewage disposal...

Type:	Character
Edit flag variable:	JBILLW
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of water is within range)] ; OR
5 : [Occupied interview] AND [(Don't pay for water separately or water is not used)]

BILLWE =
Water/sewage billed with electricity

X	Electricity
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for water supply and sewage disposal is billed with --

Type:	Character
Edit flag variable:	JILLWE
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of water is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for electricity separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Water and sewage billed separately from other utilities or Does not know type of billing for water and sewage or Refused to answer how water and sewage are billed]

BILLWF =
Water/sewage billed with other fuels

X	Other fuel
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for water supply and sewage disposal is billed with --

Type:	Character
Edit flag variable:	JILLWF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of water is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for other non-specified fuels separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Water and sewage billed separately from other utilities or Does not know type of billing for water and sewage or Refused to answer how water and sewage are billed]

BILLWG =
Water/sewage billed with gas

X	Gas
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for water supply and sewage disposal is billed with --

Type:	Character
Edit flag variable:	JILLWG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of water is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for gas separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Water and sewage billed separately from other utilities or Does not know type of billing for water and sewage or Refused to answer how water and sewage are billed] ; OR
8 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BILLWO =
Water/sewage billed with fuel oil

X	Fuel oil
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for water supply and sewage disposal is billed with --

Type:	Character
Edit flag variable:	JILLWO
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Uncommon result, possible that there are no cases in the data.

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of water is within range)] ; OR
5 : [Occupied interview] AND [(Answered if pay for fuel oil separately)] ; OR
6 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
7 : [Occupied interview] AND [Water and sewage billed separately from other utilities or Does not know type of billing for water and sewage or Refused to answer how water and sewage are billed]

BILLWT =
Water/sewage billed with garbage/trash

X	Garbage and trash
B	Not applicable
Blank	Not reported

Long description:
Average monthly cost for water supply and sewage disposal is billed with --

Type:	Character
Edit flag variable:	JILLWT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Answered if pay for garbage/trash separately)] ; OR
5 : [Occupied interview] AND [(Don't pay for water separately or water is not used)] ; OR
6 : [Occupied interview] AND [Water and sewage billed separately from other utilities or Does not know type of billing for water and sewage or Refused to answer how water and sewage are billed]

BUYE =
Pay for electricity separately

1	Not used
2	Included in rent, site rent, condominium or other fee, etc.
3	Obtained free
B	Not applicable
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	JBUYE
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(The average monthly cost of electricity is within the range)]

BUYE2 =
Pay for electricity separately

1	Yes
2	No, included in rent
3	Not used
B	Not applicable

Long description:
Do you pay separately for electricity?

Type:	Character
Edit flag variable:	JBUYE2
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For sale only or Sold, but not yet occupied) and Unit is a condo] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview]

BUYF =
Pay for other fuels separately

1	Not used
2	Included in rent, site rent, condominium or other fee, etc.
3	Obtained free
B	Not applicable
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	JBUYF
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of other fuels is within range)] ; OR
5 : [Occupied interview] AND [The total annual cost for wood, coal, kerosene or any other fuels was billed with other fuels]

BUYF2 =
Pay for other fuels separately

1	Yes
2	No, included in rent
3	Not used
B	Not applicable

Long description:
Do you pay separately for any other fuel?

Type:	Character
Edit flag variable:	BUYF2
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For sale only or Sold, but not yet occupied) and Unit is a condo] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview]

BUYG =
Pay for gas separately

1	Not used
2	Included in rent, site rent, condominium or other fee, etc.
3	Obtained free
B	Not applicable
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	JBUYG
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1999, there was an error in some of the responses for BUYG, reporting blank values that should have been “1” (Not used). This can be corrected by looking at AMTG. If BUYG is properly blanked, AMTG should have a value. If AMTG is blank, then blank values of BUYG should be treated as “1.”

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Average monthly cost of gas is within range)] ; OR
5 : [Occupied interview] AND [Gas billed with other utilities] ; OR
6 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

BUYG2 =
Pay for gas separately

1	Yes
2	No, included in rent
3	Not used
B	Not applicable

Long description:
Do you pay separately for gas?

Type:	Character
Edit flag variable:	JBUYG2
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For sale only or Sold, but not yet occupied) and Unit is a condo] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview]

BUYO =
Pay for fuel oil separately

1	Not used
2	Included in rent, site rent, condominium or other fee, etc.
3	Obtained free
B	Not applicable
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	JBUYO
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [(Annual cost of fuel oil is within range)] ; OR
5 : [Occupied interview] AND [Fuel oil billed with other utilities]

BUYO2 =
Pay for fuel oil separately

1	Yes
2	No, included in rent
3	Not used
B	Not applicable

Long description:
Do you pay separately for fuel oil?

Type:	Character
Edit flag variable:	JBUYO2
Allocation Matrix:	Matrix D
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For sale only or Sold, but not yet occupied) and Unit is a condo] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview]

CFUEL =
Fuel used most for cooking

1	Electricity
2	Gas, LP Gas (liquid propane (LP) same as bottled gas)
3	Kerosene or other liquid fuel
4	Coal or coke
5	Wood
6	Other; (SPECIFY)
7	No fuel used
B	Not applicable

Long description:
What fuel is used MOST for cooking--electricity, gas or something else?

Type:	Character
Edit flag variable:	JCFUEL
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have working cook stove and/or range oven and Unit does not have working cooking burners and No working microwave oven] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

COKST =
Cook stove used as supplemental heating equipment

X	Electric or gas cook stove
B	Not applicable
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DAFUR =
Forced air furnace - DK if supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDAFUR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Forced warm-air furnace with ducts & vents to individual rooms are not supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DCOKST =
Cookstove - DK if supplemental/parallel heat equipment

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDCOOK
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Cook stove is not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DEGREE =
Average heating/cooling degree days

1	Coldest:	7,001+ heating degree days and < 2,000 cooling degree days
2	Cold:	5,500-7,000 heating degree days and < 2,000 cooling degree days
3	Cool:	4,000-5,499 heating degree days and < 2,000 cooling degree days
4	Mild:	< 4,000 heating degree days and < 2,000 cooling degree days
5	Mixed:	2,000-3,999 heating degree days and 2,000+ cooling degree days
6	Hot:	< 2,000 heating degree days and 2,000+ cooling degree days

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N, 2007MSA

Notes:
Variable may be changed and/or suppressed in National Survey to comply with 100,000 population rule.

DELECT =
Built-in electric unit-DK if supplemental/parallel

B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Built in electrical units are not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DFLOT =
Vented room heater - DK if supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDFLOT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Heating equipment is vented to outside] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DFRPL =
Fireplace w/out inserts-DK supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDFRPL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace has inserts to circulate more heat] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DFRPLI =
Fireplace w/ inserts-DK if supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDFPLI
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace does not have inserts] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DFUEL =
Fuel used by clothes dryer

1	Electricity
2	Gas, LP gas (liquid propane)
3	Other - SPECIFY
B	Not applicable

Long description:
What type of fuel does the dryer use?

Type:	Character
Edit flag variable:	JDFUEL
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have a working clothes dryer] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

DHOTH =
Other type of heat equipment-DK if supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDHOTH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Other equipment is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DHPMP =
Heat pump - DK is supplemental/parallel heat equipment

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	JDHPMP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Electric heat pump is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

DPLF =
Pipeless furnace - DK if supplemental/parallel

B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
This variable is a recode added to the file for the sole purpose of denoting that this piece of secondary heating equipment exists in the housing unit, but we do not know if it is a supplemental or parallel piece of heating equipment. The only nonblank value it will contain is a 'D'.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
Answer choice of D is appropriate response for condition being true.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Pipeless furnace is NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

ELECT =
Electrical units used as supplemental heat equip

X	BUILT-IN electric units
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FAFUR =
Fuel used by forced warm-air furnace

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the forced warm-air furnace with ducts and vents to individual rooms use?

Type:	Character
Edit flag variable:	JFAFUR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Forced warm-air furnace with ducts & vents to individual rooms are not supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FCOKST =
Fuel used by cookstove

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Type:	Numeric
Edit flag variable:	JFCOOK
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Cook stove is not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FELECT =
Fuel used by built-in electric units

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the built-in electric unit use?

Type:	Character
Edit flag variable:	JFELEC
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Built in electrical units are not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FFLIN =
Fuel used by unvented room heaters

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the unvented room heater burning kerosene, gas, or oil use?

Type:	Character
Edit flag variable:	JFFLIN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Heating equipment is vented to outside] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FFLOT =
Fuel used by vented room heaters

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the vented room heater burning kerosene, gas, or oil use?

Type:	Character
Edit flag variable:	JFFLOT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Heating equipment is vented to outside] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FFRPL =
Fuel used by fireplace without inserts

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable
D	Don't Know
R	Refused

Long description:
What fuel is used for the fireplace without inserts?

Type:	Numeric
Edit flag variable:	JFFRPL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace has inserts to circulate more heat] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FFRPLI =
Fuel used by fireplace with inserts

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable
D	Don't Know

Long description:
What fuel is used for the fireplace with inserts?

Type:	Numeric
Edit flag variable:	JFFPLI
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace does not have inserts] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FHOTH =
Fuel used by other supplemental heating equipment

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable
D	Don't Know

Long description:
What type of fuel does the other heating equipment use?

Type:	Character
Edit flag variable:	JFHOTH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Other equipment is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FHPMP =
Fuel used by electric heat pump

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the electric heat pump use?

Type:	Character
Edit flag variable:	JFHPMP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Electric heat pump is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FLIN =
Heating equipment not vented to outside

X	No, UNVENTED
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Is it VENTED to the outside through a chimney, flue, or pipes OR is it UNVENTED?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [Working room heaters] ; OR
4 : [(NOT occupied interview or URE interview or vacant interview)]

FPLF =
Fuel used by built-in pipeless furnace

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the floor, wall, or other pipeless furnace built into the structure use?

Type:	Character
Edit flag variable:	JFPLF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Pipeless furnace is NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FPORTH =
Fuel used by portable electric heaters

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the portable electric heater use?

Type:	Numeric
Edit flag variable:	JFPORH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Portable heaters are NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FSTEAM =
Fuel used by steam/hot water system

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the steam/hot water system with radiators OR other system using steam/hot water use?

Type:	Character
Edit flag variable:	JFSTEA
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Steam system NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

FSTOVE =
Fuel used by woodburning/franklin stove

1	Electricity
2	Gas, LP gas (propane)
3	Fuel Oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other, (SPECIFY)
B	Not applicable

Long description:
What type of fuel does the woodburning, pot belly, or franklin stove use?

Type:	Character
Edit flag variable:	JFSTOV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Wood stove NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

GASPI2 =
Source of gas heat for vacant units

1	Underground pipes serving the neighborhood
2	Bottled gas
B	Not applicable

Long description:
Is it from underground pipes or bottled gas?

Type:	Character
Edit flag variable:	JASPI2
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [Unit is not heated by liquid gas or propane] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
3 : [Occupied interview]

GASPIP =
Gas from underground pipes or bottles

1	Underground pipes serving neighborhood
2	Bottled gas
B	Not applicable

Long description:
Is the gas from underground pipes or bottled gas?

Type:	Character
Edit flag variable:	JASIP
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
4 : [Occupied interview] AND [Gas is not used] ; OR
5 : [Occupied interview] AND [Household does NOT use gas or Don't know if household uses gas or Refused to disclose if household uses gas]

HEQUIP =
Main heating equipment

1	Forced warm-air furnace with ducts and vents to individual rooms
2	Steam or hot water system with radiators OR other system using steam or hot water
3	Electric heat pump
4	Built-in electric baseboard heating or electric coils in floors, ceilings, or walls
5	Floor, wall, or other pipeless furnace built into the building
6	VENTED room heaters burning kerosene, gas, or oil
7	UNVENTED room heaters burning kerosene, gas, or oil
8	Portable electric heaters
9	Woodburning stove, pot belly stove, Franklin stove
10	Fireplace WITH inserts
11	Fireplace WITHOUT inserts
12	Other heating equipment
13	No heating equipment
14	Cooking stove (gas or electric)
B	Not applicable

Type:	Numeric
Edit flag variable:	JEQUIP
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

HFUEL =
Fuel used most for heating unit

1	Electricity
2	Gas, LP gas (liquid propane(LP) same as bottled gas)
3	Fuel oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other; SPECIFY
9	None
B	Not applicable

Long description:
What fuel is used MOST for heating this housing unit?

Notes:
In 2005, “Other, SPECIFY” was not a valid category option.

Type:	Character
Edit flag variable:	JHFUEL
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

HOTH =
Other equipment used as supplemental heating equip

X	Other, specify
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

HPMP =
Heat pump used as supplemental heating equipment

X	Electric heat pump
B	Not applicable
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

NONE =
No supplemental heating equipment

X	No more types of heating equipment
B	Not applicable
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [See comments] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

OAFUEL =
Fuel used by other central a/c unit

1	Electricity
2	Gas, LP Gas (liquid propane (LP) same as bottled gas)
3	Other: specify
B	Not applicable

Long description:
What kind of fuel does this other central air conditioning system use?

Type:	Numeric
Edit flag variable:	JOAFUE
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Central air conditioning system is not used] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No other central A/C system or Don't know if other central A/C system or Refused to disclose if other central A/C system] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PAFUR =
Forced air furnace is parallel supplemental equipment

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this forced warm-air furnace with ducts and vents to individual rooms used to heat an area of this housing unit that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Forced warm-air furnace with ducts & vents to individual rooms are not supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PCOKST =
Cookstove is parallel supplemental heating equip

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this electric or gas cook stove
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Cook stove is not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PELECT =
Built-in electric unit is parallel equipment

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this built-in electric unit
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Built in electrical units are not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PFLOT =
Vented room heater is parallel supplemental equip

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this vented room heater burning kerosene, gas, or
oil used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Heating equipment is vented to outside] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PFRPL =
Fireplace without inserts is parallel equipment

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this fireplace without inserts
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace has inserts to circulate more heat] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PFRPLI =
Fireplace w/ inserts is parallel equip

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this fireplace with inserts
used to heat an area of this unit
that would not be heated by primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace does not have inserts] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PHOTH =
Some other type is parallel supplemental equip

1	Yes
B	Not applicable
Blank	Not reported

Long description:
Is this other heating equipment
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Other equipment is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PHPMP =
Heat pump is parallel supplemental equipment

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this electric heat pump
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Electric heat pump is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PLF =
Pipeless furnace used as supplemental heating equipment

X	Floor, wall or other pipeless furnace built into the structure
B	Not applicable
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PORTH =
Portable heaters used as supplemental heating equipment

X	PORTABLE electric heaters?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PPLF =
Pipeless furnace is parallel supplemental equip

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this floor, wall, or other pipeless furnace built into
the structure used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Pipeless furnace is NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PSTEAM =
Steam/hot water system is parallel equip

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this steam/hot water system with radiators OR other system using steam/hot water used to heat an area of this housing unit that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Steam system NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

PSTOVE =
Woodburning stove is parallel supplemental equip

X	Unit has parallel use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this woodburning, pot belly, or franklin stove
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Wood stove NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SAFUR =
Forced air furnace is supplemental heating equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this forced warm-air furnace with ducts and vents to individual rooms used to heat an area of this housing unit that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Forced warm-air furnace with ducts & vents to individual rooms are not supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SCOAL =
Supplemental heating equipment uses coal/coke

1	Coal/coke is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SCOKST =
Cookstove is supplemental heating equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this electric or gas cook stove
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Cook stove is not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SELECT =
Built-in electric units are supplemental heat equipment

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this built-in electric unit
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?
PLEASE NOTE - Because of conflicts with system reserved words in FERRET,
this item is known as SELECT_ in the FERRET system.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Built in electrical units are not used as supplemental heating equipment] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SFLIN =
Unvented room heaters are supplemental heat equipment

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable

Long description:
Is this unvented room heater burning kerosene, gas, or
oil used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	JSFLIN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Heating equipment is vented to outside] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SFLOT =
Vented room heaters are supplemental heat equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this vented room heater burning kerosene, gas, or
oil used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Heating equipment is vented to outside] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SFRPL =
Fireplace without inserts is supplemental equip

X	No, none have inserts
B	Not applicable
Blank	Not reported

Long description:
Does it have inserts, that is, equipment designed to circulate more heat into the room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Notes:
The fireplaces in question must be considered supplemental heating equipment. The inserts option is only to distinguish between the two possibilities for supplemental heating fireplaces.

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace has inserts to circulate more heat] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SFRPLI =
Fireplace w/ inserts is supplemental heat equip

X	Yes, some or all with inserts
B	Not applicable
Blank	Not reported

Long description:
Does it have inserts, that is, equipment designed to circulate more heat into the room?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have useable fireplace or Did not know if unit had useable fireplace or Refused to answer if unit had useable fireplace] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Fireplace does not have inserts] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SGAS =
Supplemental heating equipment uses gas

1	Gas is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SHOTH =
Some other type is supplemental heating equipment

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is some other heating equipment
used to heat an area of this housing unit
that would not be heated by some heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Other equipment is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SHPMP =
Heat pump is supplemental heating equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is some electric heat pump
used to heat an area of this housing unit
that would not be heated by some heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Electric heat pump is not used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SJUICE =

Supplemental heating equipment uses electricity

1	Electricity is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SKERO =

Supplemental heating equipment uses kerosene

1	Kerosene is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SOIL =

Supplemental heating equipment uses fuel oil

1	Fuel oil is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SOTHER =

Supplemental heating equipment uses other fuel

1	Other fuel is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

SPLF =
Pipeless furnace is supplemental heating equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this floor, wall, or other pipeless furnace built into
the structure used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Pipeless furnace is NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SPORTH =
Portable heaters are supplemental heating equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable

Long description:
Is this portable electric heater
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	JSPORH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Portable heaters are NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SSTEAM =
Steam/hot water system is supplemental heat equipment

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this steam/hot water system with radiators OR other system using steam/hot water used to heat an area of this housing unit that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Steam system NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SSTOVE =
Woodburning stove is supplemental heating equip

X	Unit has supplemental use, [insert name of equipment type]
B	Not applicable
Blank	Not reported

Long description:
Is this woodburning, pot belly, or franklin stove
used to heat an area of this housing unit
that would not be heated by this primary heating equipment?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Wood stove NOT used as supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SSUN =
Supplemental heating equipment uses solar energy

1	Solar energy is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users
a variable just like the one they received prior to the 1997
AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

STOVE =
Wood stove used as supplemental heating equipment

X	Woodburning, Pot Belly, or Franklin stoves?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
What OTHER kinds of working heating equipment does this housing unit HAVE or USE?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [No fuel is used for heating the unit] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No supplemental heating equipment] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

SWOOD =
Supplemental heating equipment uses wood

1	Wood is a fuel used by supplemental heating equipment
Blank	Not reported

Long description:
This variable is a recode added to the file to provide the data users a variable just like the one they received prior to the 1997 AHS-National file

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

Conditions not in universe:
1 : [(NOT occupied interview or URE interview or vacant interview)]

USEGAS =
Household uses gas

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you use gas?

Type:	Character
Edit flag variable:	JSEGAS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] AND [(For rent only, or 'for rent or for sale' for sale only, or rented, but not yet occupied, or sold, but not yet occupied)] ; OR
2 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

USELECT =
Household uses electricity

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you use electricity in your home?

Type:	Character
Edit flag variable:	JUSELECT
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [there are no working electrical plugs or (heating fuel is not electric and cooking fuel is not electric and a/c fuel is not electric and dryer fuel is not electric and other a/c unit fuel is not electric and the fuel used to heat water is not electric)]

USEOIL =
Household uses oil

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you use fuel oil in your home?

Type:	Character
Edit flag variable:	JUSEOIL
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [heating fuel is not fuel oil and the fuel used to heat water is not fuel oil]

USEOTHR =
Household uses other fuels

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Do you use wood, coal, kerosene or any other fuel in your home?

Type:	Character
Edit flag variable:	JUSEOTHR
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [Not occupied interview]; OR
2 : [Occupied interview] AND [heating fuel is not other fuels and cooking fuel is not other fuels and a/c fuel is not other fuels and dryer fuel is not other fuels and other a/c unit fuel is not other fuels and the fuel used to heat water is not other fuels]

WFUEL =
Fuel used most to heat water

1	Electricity
2	Gas, LP gas (liquid propane(LP) same as bottled gas)
3	Fuel oil
4	Kerosene or other liquid fuel
5	Coal or coke
6	Wood
7	Solar energy
8	Other; SPECIFY
B	Not applicable

Long description:
What type of fuel is used MOST to heat the water?

Type:	Character
Edit flag variable:	JWFUEL
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [Unit does not have hot and cold running water] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

Recent Movers

Data on recent movers are shown for households where the householder or a member of the household moved into the present unit during the 24 months prior to the interview. Questions in this section ask about the reasons for moving and for choosing the current unit as well as about the previous residence. Questions about the previous residence are asked of every recent mover in the household while the questions about the reasons for moving and choice of unit are asked only of mover respondents.

Choice of present home: The respondent was asked to state all reasons for choosing the present house or apartment and then state the main reason the present house or apartment was chosen. The distribution for choice of present home may not add up to 100 percent because the respondent was not limited to one response.

Choice of present neighborhood: The respondent was asked to state all reasons for choosing the present neighborhood and then state the main reason the present neighborhood was chosen. The distribution for choice of present neighborhood may not add up to 100 percent because the respondent was not limited to one response.

Present and previous units: The present unit is the one occupied by the householder or respondent at the time of the interview. The previous unit is the one from which the householder or respondent moved. If the householder or respondent moved more than once during the 12 months prior to the date of the interview, the previous unit is the one from which they last moved.

Previous home owned or rented by someone who moved here: Data are shown for units where anyone in the present household moved within the United States during the past year.

Recent movers' comparison to previous home: This item is based on the respondent's comparison between the present unit and previous unit as to which was better.

Recent movers' comparison to previous neighborhood: This item is based on the respondent's comparison between the present neighborhood and the previous neighborhood as to which was better. The definition of neighborhood is whatever the respondent considers it to be.

Tenure of previous unit: The previous unit was owner occupied if the owner or co-owner lived in the unit. All other previous units were renter occupied.

Structure type of previous residence: These data are based on the respondent's classification.

ALMV =

All movers lived in same previous residence

1	Yes
2	No
B	Not applicable

Long description:
Earlier you told me (READ NAMES ABOVE) moved into this housing unit after another member?. Did you move here from the same previous residence?

Type:	Character
Edit flag variable:	JALMV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

FAMGRP =

Family mover group

If using single file version of AHS, this variable becomes: **FAMGRP1-FAMGRP16**

1:4	1-4

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

HHMOVE =
Year householder moved in

Information for this variable is also stored in: **MOVE1**

1800:2007 1800:2007

Type:	Numeric
Edit flag variable:	JHHMOVE
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHMOVM =
Month householder moved in

Information for this variable is also stored in: **MOVM1**

Type:	Numeric
Edit flag variable:	JHHMOVM
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HHMVG =
Recent mover group of householder

Information for this variable is also stored in: **MVG1**

1:4	1-4
B	Not applicable

Type:	Character
Edit flag variable:	JHHMVG
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HUHIS =
What happened to the old unit

1	Moved
2	Demolished
3	Lost to disaster (fire, tornado, etc.)
4	Wrong unit visited last enumeration period
5	Other, specify
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
What happened to the old unit?
[if htype eq <3> or htype eq <4>]
(IF THE RESPONDENT DOES NOT KNOW, ASK OWNER OF MH PARK)
[endif]

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview or noninterview)] AND [HU is part of a new incoming sample] ; OR
2 : [(Occupied interview or URE interview or vacant interview or noninterview)] AND [NOT different HU as last enumeration]

LISCH =

Any changes to apartment in last 2 years

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
We are interested in any changes that may have taken place in the apartment since number of last year. Has any construction or other changes been done to this apartment that has altered the size of the apartment in the past 2 years, that is since number of last year?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MOVE =

Year person moved in

If using single file version of AHS, this variable becomes: **MOVE1-MOVE16**
Information for MOVE1 variable (head of household) is also stored in: **HHMOVE**

1800:2007	1800-2007
.X	Person born here

Long description:
When did this person move to this housing unit?

Type:	Numeric
Edit flag variable:	JMOVE
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MOVGRP =
Recent mover group

If using single file version of AHS, this variable becomes: **MOVGRP1-MOVGRP16**

1:4 1-4

Type:	Character
Edit flag variable:	JOVGRP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MOVM =
Month person moved in

If using single file version of AHS, this variable becomes: **MOVM1-MOVM16**
Information for MOVM1 variable (head of household) is also stored in: **HHMOVM**

1:12 January-December

Long description:
When did you move to this housing unit?

Type:	Numeric
Edit flag variable:	JMOVM
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MVCNT1 =
Number of people in mover group #1

1:30	1-30
B	Not applicable
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MVCNT2 =
Number of people in mover group #2

1:30	1-30
B	Not applicable
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MVCNT3 =
Number of people in mover group #3

1:30	1-30
B	Not applicable
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

MVG =
Recent mover group

1:4	1-4
B	Not applicable

Type:	Character
Edit flag variable:	JMVG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLBSY =
Stopped looking at homes - too busy

X	Were too busy to look more?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLHPPY =
Stopped looking - happy with this unit

X	Were completely happy with this one?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLMOBL =
Stopped looking - had trouble traveling

X	Had trouble traveling to see others (caring for others,
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLMOV =
Stopped looking - had to move quickly

X	Had to move quickly?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLNLIK =
Stopped looking - don't like looking

X	Don't like looking?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLNPR =
Stopped looking for no particular reason

X	No particular reason
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLOTHR =
Stopped looking for some other reason

X	Other - Specify
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NLUNK =
Stopped looking - didn't know of others

X	Didn't know of any others?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Some people look for new housing. Did you stop looking, because you...

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

NUMHS =

homes looked at before choosing this one

0:2	
3:99	
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
About how many other homes did you look at before you chose this one?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PMOVM =

Month of previous move before this one

1:12	1-12
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
When was the last time you moved before this?
What month was that? @PMOVM
(1) January (5) May (9) September
(2) February (6) June (10) October
(3) March (7) July (11) November
(4) April (8) August (12) December

Type:	Numeric
Edit flag variable:	JPMOVM
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PMOVYR =
Year of previous move before this one

1900:2005	1900-2005
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
When was the last time you moved before this?
ENTER 4 DIGIT YEAR @PMOVYR

Type:	Numeric
Edit flag variable:	JPMVYR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RMOV =
Mover group number

1:3	1-3
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

TLRMOV =
Number of people moved into unit in last 2 years

1:30	1-30
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHAVL =
Liked unit because only one available

X	Only one available
B	Not applicable
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHAVL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHDSN =
Liked unit because of room layout/design

X	Room layout/design
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHDSN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHEXT =
Liked unit because of exterior appearance

X	Exterior appearance
B	Not applicable
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHEXT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHFIN =
Liked unit for financial reasons

X	Financial reasons
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHFIN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHKIT =
Liked unit because of kitchen

X	Kitchen
B	Not applicable
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHKIT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHOTH =
Liked unit for other reasons

X	Other-SPECIFY
B	Not applicable
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHOTH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHQUL =
Liked unit because of construction quality

X	Quality of construction
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHQUL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHSIZ =
Liked unit because of size

X	Size
B	Not applicable
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHSIZ
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHYMOVE =
Main reason moved

0	All reasons of equal importance
1	Private company or person wanted to use it
2	Forced to leave by the government
3	Disaster loss (fire, flood, etc.)
4	New job or job transfer
5	To be closer to work/school/other
6	Other, financial/employment related
7	To establish own household
8	Needed a larger house or apartment
9	Married, widowed, divorced, or separated
10	Other, family/personal related
11	Wanted a better quality house (apartment)
12	Change from owner to renter OR renter to owner
13	Wanted lower rent or less expensive house to maintain
14	Other housing related reasons
15	Other - Specify (Prior to 2005)
15	Evicted from residence (2005 onwards)
16	Other – Specify (2005 onwards)
B	Not applicable
.	Not reported

Long description:
What was the MAIN reason you moved?

Type:	Numeric
Edit flag variable:	JHYMOV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHYRD =
Liked unit because of yard/trees/view

X	Yard/trees/view
B	Not applicable
R	Refused
Blank	Not reported

Long description:
Now considering your home, what attracted you to THIS housing unit?

Type:	Character
Edit flag variable:	JWHYRD
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHYTOH =
Main reason this unit was chosen

1	Financial reasons
2	Room layout/design
3	Kitchen
4	Size
5	Exterior appearance
6	Yard/trees/view
7	Quality of construction
8	Only one available
9	Other-SPECIFY
0	All reasons equal
B	Not applicable
D	Don't Know

Long description:
What was the MAIN reason you chose this housing unit?

Type:	Character
Edit flag variable:	JHYTOH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WHYTON =
Main reason this neighborhood was chosen

1	Convenient to job
2	Convenient to friends or relatives
3	Convenient to leisure activities
4	Convenient to public transportation
5	Good schools
6	Other public services
7	Looks/design of neighborhood
8	House was an important consideration
9	Other
0	All reasons equal
B	Not applicable
D	Don't Know
R	Refused

Long description:
What is the MAIN reason you chose this neighborhood?

Type:	Character
Edit flag variable:	JHYTON
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMCHEP =
Moved here for less expensive rent/maintenance

X	Wanted lower rent or less expensive house to maintain
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMCHEP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMCHTN =
Moved here to own not rent or vice versa

X	Change from owner to renter OR renter to owner
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMCHTN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMCLOS =
Moved to be closer to work/school/other

X	To be closer to work/school/other
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMCLOS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMCNDO =
Moved because unit was going condo/co-op

X	Unit was going condo/co-op
B	Not applicable
Blank	Not reported

Long description:
Because that unit was going to become a condominium or cooperative?

Type:	Character
Edit flag variable:	JMCNDO
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMDISL =
Moved because of disaster loss

X	Disaster loss (fire, flood, etc.)
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMDISL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMEVIC =
Main reason for moving - eviction

X	Eviction
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMEVIC
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1 : [NOT occupied interview] ; OR
2 : [Occupied interview] AND [Respondent NOT moved in the last 2 years]

WMFAML =
Moved for other family/personal reasons

X	Other, family/personal related
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMFAML
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMFEMP =
Moved for other financial/employment reasons

X	Other, financial/employment related
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMFEMP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMGOVP =
Moved because government using land/unit

X	Government using land/unit
B	Not applicable
Blank	Not reported

Long description:
Did you leave because the government wanted to use the land or building for some other purpose?

Type:	Character
Edit flag variable:	JMGOVP
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMGOVT =
Force to move by government

X	Yes
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Because the government forced you to leave?

Type:	Character
Edit flag variable:	JMGOVT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMHOUS =

Moved for other housing related reasons

X	Other housing related reasons
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMHOUS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMJOBS =

Moved for new job or job transfer

X	New job or job transfer
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMJOBS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMLARG =

Moved because needed larger unit

X	Needed a larger house or apartment
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMLARG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMMARR =

Moved because of marital status change

X	Married, widowed, divorced, or separated
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMMARR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMNFIT =
Moved because unit was condemned

X	Unit was condemned
B	Not applicable
Blank	Not reported

Long description:
Because that residence was condemned by the government as unfit for occupancy?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMONHH =
Moved to establish own household

X	To establish own household
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMONHH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMOTHR =
Moved for some other reason

X	Other-Specify
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMOTHR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMOWNR =
Moved because owner taking over unit

X	Owner taking over unit
B	Not applicable
Blank	Not reported

Long description:
Did you leave because the owner, or members of the owner's family were going to move into that residence?

Type:	Character
Edit flag variable:	JMOWNR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMPRIV =

Moved cause private company/person wants unit

X	Yes
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
In addition to the reasons given, did you leave because a private company or person wanted to use it for some purpose?

Type:	Character
Edit flag variable:	JMPRIV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMQUAL =

Moved to obtain higher quality unit

X	Wanted a better quality house (apartment)
B	Not applicable
Blank	Not reported

Long description:
What are the reasons you moved from your last residence?

Type:	Character
Edit flag variable:	JMQUAL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WMREPR =
Moved because unit closed for repairs

X	Unit closed for repairs
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Because that residence was closed for repairs?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNFUN =
Chose neighborhood for close leisure activity

X	Convenient to leisure activities
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JWNFUN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNHOME =

Chose neighborhood because of unit

X	House was an important consideration
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JNHOME
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNJOB =

Chose neighborhood because close to work

X	Convenient to job
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JWNJOB
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNLOOK =

Chose neighborhood for its looks/design

X	Looks/design of neighborhood
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JNLOOK
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNOTHR =

Chose neighborhood for other reasons

X	Other
B	Not applicable
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JNOTHR
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNPEPL =

Chose neighborhood since close to friends/family

X	Convenient to friends or relatives
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JNPEPL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNSCH =

Chose neighborhood because of good schools

X	Good schools
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JWNSCH
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNSRV =

Chose neighborhood for other public services

X	Other public services
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JWNSRV
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WNTRAN =

Chose neighborhood since close to Public trans.

X	Convenient to public transportation
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
People's reasons for selecting a new neighborhood may be different from their reasons for choosing a particular home. What attracted you to this NEIGHBORHOOD?

Type:	Character
Edit flag variable:	JNTRAN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XCOND =

Previous residence was condo/co-op

If using single file version of AHS, this variable becomes: **XCOND1-XCOND16**

1	Cooperative
2	Condominium
3	Neither
4	Don't know
B	Not applicable
R	Refused
Blank	Not reported

Long description:
Was the previous residence part of a condominium or cooperative, or neither one?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XCOOP =

Previous residence was a cooperative

If using single file version of AHS, this variable becomes: **XCOOP1-XCOOP16**

X	Previous residence was a cooperative
B	Not applicable

Long description:
For this survey, a cooperative is property that is owned by a corporation made up of resident shareholders. Co-op owners can live in their unit or rent it out. Is this what you mean when you say your former home was a cooperative?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XCOST =

Current housing costs same as old unit

If using single file version of AHS, this variable becomes: **XCOST1-XCOST16**

1	Increase
2	Decrease
3	Stayed about the same
B	Not applicable
D	Don't know
Blank	Not reported

Long description:
When you moved, did your housing costs increase, decrease, or stay about the same including utilities and other costs. (Compare their share, if not whole household)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XHEAD =

Previous unit owned/rented by one who moved here

If using single file version of AHS, this variable becomes: **XHEAD1-XHEAD16**

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Was that unit owned/rented by someone who moved here?

Type:	Character
Edit flag variable:	JXHEAD
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XHRATE =

Current unit better/worse than old unit

1	Better
2	Worse
3	About the same
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is this housing unit better, worse, or about the same as your last home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XINUS =

Previous residence outside united states

If using single file version of AHS, this variable becomes: **XINUS1-XINUS16**

X	Moved from outside the U.S.
Blank	Not reported

Long description:
What city, county, and State did this person live in just before moving here?
Enter (X) if Outside U.S.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XNRATE =

Current neighborhood better/worse than old one

1	Better
2	Worse
3	About the same
4	Same neighborhood
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is this neighborhood better, worse, or about the same as your last neighborhood?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XPER =

people living in last unit before move

If using single file version of AHS, this variable becomes: **XPER1-XPER16**

1:30	1-30 people
B	Not applicable
D	Don't Know
R	Refused

Long description:
How many people lived in that household just before the move?

Type:	Numeric
Edit flag variable:	JXPER
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XREL =

Previous unit owner/rented by relative

If using single file version of AHS, this variable becomes: **XREL1-XREL16**

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Was it owned by a relative?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XTEN =

Tenure of previous residence

If using single file version of AHS, this variable becomes: **XTEN1-XTEN16**

1	Owned or being bought by someone in that household?
2	Rented for cash?
3	Occupied without payment of cash rent?
B	Not applicable

Long description:
Was that home -

Type:	Character
Edit flag variable:	JXTEN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

XUNIT =
Type of unit of previous residence

If using single file version of AHS, this variable becomes: **XUNIT1-XUNIT16**

1	A house?
2	An apartment?
3	A mobile home?
4	Or some other type of residence?
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Was that residence -

Type:	Character
Edit flag variable:	JXUNIT
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	MOVERS/PERSON
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Commuting

This section documents data released relevant to transportation issues, such as distance traveled to work, time required, number and types of vehicles owned by household, and means of transportation. The journey to work concept captures how members of the household commute to and from work. This commuting information is at the person level. Information on the number of vehicles is at the household level.

Cars and trucks: Includes passenger cars and station wagons owned or regularly used by one or more household members and ordinarily kept at home. Company cars are counted (if used regularly for nonbusiness purposes and kept at home), as are taxicabs (if they are owned by a household member and kept at home). Information on the number of cars is stored in the CARS variable, while information on the number of trucks is stored in the TRUCKS variable. Included are pickups and small panel trucks of one-ton capacity or less, and small vans that are owned or regularly used by one or more members of the household and ordinarily kept at home. Company trucks and vans are included if used regularly for nonbusiness purposes and kept at home.

Journey to work: Includes national books and microdata. The books publish data on householders. The microdata have similar information on all workers.

Workers. Includes all persons aged 14 years and older who held a job in the United States, any time the week before the interview.

Line numbers are assigned as the interviewer writes the names of household members in the form. Workers in each household can be identified based on their line number stored in the PERSON variable in the Journey to Work file or PERSON1-PERSON16 variables in the “flat file” version. The Journey to Work file only contains information on the working members of the household. When the individual files are merged into a singe file, the line number for each worker from the PERSON variable in the Journey to Work file is carried over to the PERSON1-PERSON16 variables in the “flat file” version. If a household member did not hold a job in the United States at any time the week before the interview, the line number for that person in the corresponding variable in the PERSON1-PERSON16 array is coded as missing (“.”). For more information on how the “flat file” and the individual files are structured, refer to the “Data Structure” section of this codebook.

Principal means of transportation to work last week. This refers to the principal mode of travel used to get from home to work. People who use different means of transportation on different days of the week were asked to specify the one used most often. People who use more than one means of transportation to get to work each day were asked to specify the one used for the longest distance during the trip to work. Public transportation refers to bus, streetcar, subway, or elevated trains. Other means include car, truck, taxicabs, ferryboats, surface trains, van service, and walking. Respondents may also answer that they work at home.

Travel time from home to work. The total elapsed time in minutes to commute from home to work during the week prior to the interview is the travel time to work. The elapsed time includes

time spent waiting for public transportation and picking up members of carpools. Respondents were instructed to report travel time to the nearest minute.

No fixed place of work. Workers with no fixed place of work were those who did not usually work at the same location each day and did not usually report in to a central location to begin work each day.

Distance from home to work. This was the usual one-way “door-to-door” distance in miles from home to work during the week prior to the interview. Respondents were instructed to report travel rounded to the nearest mile.

Departure time to work. Refers to the time (hour and minute) at which the respondent left for work. Respondent is also asked whether the time is a.m. or p.m.

AMPM =

Time usually leave for work - am or pm

If using single file version of AHS, this variable becomes: **AMPM1-AMPM16**

1	AM
2	PM

Long description:
What time did you usually leave for work? Was that A.M or P.M.?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

CARS =

Number of cars kept for use by household members

0	None
1:5	1-5, or more
B	Not applicable

Long description:
How many automobiles, excluding vans or trucks, are kept at home for use by members of your household?

Type:	Character
Edit flag variable:	JCARS
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

DISTJ =
Number of miles traveled to work

If using single file version of AHS, this variable becomes: **DISTJ1-DISTJ16**

000:997	0-997 miles
998	998 miles or more

Long description:
How many miles was your trip to work?
(ENTER 0 IF LESS THAN 1 MILE)

Type:	Numeric
Edit flag variable:	JDISTJ
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

HJOB =
Reports to work at same place each day

If using single file version of AHS, this variable becomes: **HJOB1-HJOB16**

1	Yes
2	No

Long description:
Did you usually report to the same location to begin work each day?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

PASS =

Number of passengers in carpool

If using single file version of AHS, this variable becomes: **PASS1-PASS16**

2:14	2-14 people
15	15 or more people

Long description:
How many people, including you usually ride in the vehicle?

Type:	Numeric
Edit flag variable:	JPASS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

TIMEJ =

Length of trip to work

If using single file version of AHS, this variable becomes: **TIMEJ1-TIMEJ16**

001:997	1-997 Minutes
998	998 or more Minutes

Long description:
How many minutes did it usually take you to get to work?

Type:	Numeric
Edit flag variable:	JTIMEJ
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

TIMETRN =
Travel time to nearest bus stop, train station, or subway stop

001:998	1-998 Minutes
999	999 or more Minutes
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
How many minutes does it take to get to the nearest bus stop, train station or subway stop?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Conditions not in universe:
1: [NOT occupied interview]; OR
2: [Occupied interview] AND [No public transportation for this area]

TRAN =

Method of transportation to work

If using single file version of AHS, this variable becomes: **TRAN1-TRAN16**

1	Car
2	Truck
3	Van
4	Bus or Streetcar
5	Subway or elevated
6	Railroad
7	Taxicab
8	Motorcycle
9	Bicycle
10	Other vehicle
11	Walked only
12	Works at home

Long description:
How did you usually get to work last week?
(If a person uses different means of transportation on different days...)
Which did you use most often?
(If a person uses more than one means of transportation on the same day...)
Which covered the longest distance?
PLEASE NOTE - Because of conflicts with system reserved words in FERRET,
this item is known as TRAN_ in the FERRET system.

Type:	Numeric
Edit flag variable:	JTRAN
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

TRN =
Is the public transportation satisfactory?

1	Yes
2	No
3	Do not use
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is the public transportation satisfactory?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

TRUCKS =
Number of vans or trucks for household use

0	None
1:5	1-5, or more
B	Not applicable

Long description:
How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?

Type:	Character
Edit flag variable:	JRUCKS
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

USETRN =

Someone in household uses Public transportation

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Does someone use public transportation at least once a week?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

VEHCL =

Drive to work alone or with others

If using single file version of AHS, this variable becomes: **VEHCL1-VEHCL16**

1	Alone
2	Go with others

Long description:
Did you drive alone or go with others?

Type:	Character
Edit flag variable:	JVEHCL
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

WTIME =
Time usually leave for work

If using single file version of AHS, this variable becomes: **WTIME1-WTIME16**

0100:1259 1:00-12:59

Long description:
What time did you usually leave for work? Was that A.M or P.M.?

Type:	Character
Edit flag variable:	JWTIME
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	JTW/PERSON
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Mobile Homes

Mobile homes or trailers are living quarters originally constructed to be towed on their own chassis. These include double wides, expandables, and single wides. Mobile homes placed on permanent foundations or with one or more permanent rooms attached are not counted as mobile homes. It also may have permanent rooms attached at its present site, or other structural modifications. The term does not include prefabricated buildings, modular homes, travel campers, boats, or self-propelled vehicles like motor homes. Some people use the terms trailer or manufactured housing in the same sense as mobile homes.

The questions in this section ask the respondent about the mobile home model year, fees and structural type.

Notes:

Mobile homes in group: Mobile homes or mobile home sites gathered close together are considered to be in a “group.'' This may be a mobile home park or it may be a number grouped together on adjacent individually owned lots but not in a mobile home park.

Model Year: Because mobile home model years are similar to automotive model years, it is possible to have a mobile home with a model year later than the current year (or later than the year the occupant moved in).

ANCHOR =
Method used to anchor mobile home

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Is your mobile home anchored by tiedowns, bolts, or some other means?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(NOT mobile home)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

CAMF =
Frequency of assoc/mobile home park fee

1:52	1-52 times per year
53	53 times or more
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and (Rented or occupied without payment)) or ((URE interview or vacant interview) and ((For rent only or 'for rent or for sale') or (Rented, but not yet occupied)))] AND [(One-unit or apartment building)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required) and (One-unit or apartment building)] ; OR
3 : [(Occupied interview or URE interview or vacant interview)] AND [Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required] ; OR
4 : [(URE interview or vacant interview) and (For sale only or Sold, but not yet occupied)] AND [Mobile home to be moved] ; OR
5 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
6 : [(NOT occupied interview or URE interview or vacant interview)]

CAMFQ =

Frequency of assoc/mobile home park fee

1:52	1-52 times per year
53	53 times or more

Long description:
How many times a year is the fee due?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

FRSIT =

First site mobile home ever placed on

1	Yes, first site
2	No, moved from another site
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
Excluding the dealer's lot, is here the first site on which this mobile home was placed?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(One-unit or apartment building)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

IFOTHF =
Other mobile home fees required

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Are there any other required fees for utility hookups, mobile home association fees, and so forth?

Type:	Character
Edit flag variable:	JFOTHF
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [(NOT mobile home)] ; OR
3 : [(URE interview or vacant interview)] AND [(Mobile home) and (For sale only or Sold, but not yet occupied) and Mobile home to be moved] ; OR
4 : [(URE interview or vacant interview)] AND [(Mobile home) and (NOT for rent, rented, for sale, or sold)] ; OR
5 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
6 : [(NOT occupied interview or URE interview or vacant interview)]

MH41 =
Model year of 1st mobile home used for living quarters

1939:1998 1939-1998

Long description:
What is the model year of each of the mobile homes
(EXCLUDING MOBILE HOME(S) ALREADY LISTED ON THE LISTING SHEET)
Use 1939 for anything earlier

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building and NOT two unit building) or ((Mobile home) and NOT 1 mobile home in group)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No mobile home on property used for living quarters or "Don't know" if mobile home on property used for living quarters or Refused to answer if mobile home on property used for living quarters] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

MH42 =
Model year of 2nd mobile home used for living quarters

1939:1998 1939-1998

Long description:
What is the model year of each of the mobile homes
(EXCLUDING MOBILE HOME(S) ALREADY LISTED ON THE LISTING SHEET)
Use 1939 for anything earlier

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building and NOT two unit building) or ((Mobile home) and NOT 1 mobile home in group)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No mobile home on property used for living quarters or "Don't know" if mobile home on property used for living quarters or Refused to answer if mobile home on property used for living quarters] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

MH43 =
Model year of 3rd mobile home used for living quarters

1939:1998 1939-1998

Long description:
What is the model year of each of the mobile homes
(EXCLUDING MOBILE HOME(S) ALREADY LISTED ON THE LISTING SHEET)
Use 1939 for anything earlier

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building and NOT two unit building) or ((Mobile home) and NOT 1 mobile home in group)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No mobile home on property used for living quarters or "Don't know" if mobile home on property used for living quarters or Refused to answer if mobile home on property used for living quarters] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

MH44 =
Model year of 4th mobile home used for living quarters

1939:1998 1939-1998

Long description:
What is the model year of each of the mobile homes
(EXCLUDING MOBILE HOME(S) ALREADY LISTED ON THE LISTING SHEET)
Use 1939 for anything earlier

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building and NOT two unit building) or ((Mobile home) and NOT 1 mobile home in group)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No mobile home on property used for living quarters or "Don't know" if mobile home on property used for living quarters or Refused to answer if mobile home on property used for living quarters] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

MH45 =
Model year of 5th mobile home used for living quarters

1939:1998 1939-1998

Long description:
What is the model year of each of the mobile homes
(EXCLUDING MOBILE HOME(S) ALREADY LISTED ON THE LISTING SHEET)
Use 1939 for anything earlier

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(Apartment building and NOT two unit building) or ((Mobile home) and NOT 1 mobile home in group)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [No mobile home on property used for living quarters or "Don't know" if mobile home on property used for living quarters or Refused to answer if mobile home on property used for living quarters] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

MHGONE =
Old mobile home gone

1	Moved out
2	Lost to demolition
3	Other, specify
Blank	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N

MHSETQ =
Type of mobile home foundation

1	Set up on a permanent masonry foundation?
2	Resting on a concrete pad?
3	Up on blocks, but not on a concrete pad?
4	Set up in some other way? (SPECIFY)
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is this mobile home--
(READ CATEGORIES UNTIL A "YES" REPLY IS RECEIVED)

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(NOT mobile home)] ; OR
2 : [(Occupied interview or URE interview or vacant interview)] AND [Mobile home is not anchored down] ; OR
3 : [(NOT occupied interview or URE interview or vacant interview)]

MHSTAY =
Mobile home to stay or be moved

1	Remain
2	To be moved
B	Not applicable
Blank	Not reported

Long description:
Is this mobile home to remain where it is, or is it to be moved?

Type:	Character
Edit flag variable:	JHSTAY
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(Association fee not required or Does not know if association fee is required or Refused to answer whether association fee was required) and (One-unit or apartment building)] ; OR
2 : [(Occupied interview and Owned) or ((URE interview or vacant interview) and (For sale only or Sold, but not yet occupied))] AND [(One-unit or apartment building) and Association fee required] ; OR
3 : [(URE interview or vacant interview)] AND [(For rent only or 'for rent or for sale') or Rented, but not yet occupied] ; OR
4 : [(URE interview or vacant interview)] AND [(Held for occasional use throughout the year, or other not for rent, rented sold, for sale, or seasonal, or migratory)] ; OR
5 : [(NOT occupied interview or URE interview or vacant interview)] ; OR
6 : [Occupied interview and Owned] AND [(Mobile home)] ; OR
7 : [Occupied interview] AND [Rented] ; OR
8 : [Occupied interview] AND [Occupied without payment]

TPARK =
Number of mobile homes in group

1	1 mobile home
2	2 or more mobile homes
B	Not applicable
.	Not reported

Long description:
How many, including this mobile home, are in the group?

Type:	Numeric
Edit flag variable:	JTPARK
Allocation Matrix:	Matrix E
Topcoded:	Yes
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [(One-unit or apartment building)] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

Lead Based Paint

Questions in this section deal with condition of paint in the respondent's home and the respondent's awareness of lead paint. Respondents were asked were they had peeling paint, whether peeling paint was inside or outside the house and whether any work was done, such as sanding and scraping that would have disturbed painted surfaces. Additionally, respondents were asked if they were told before moving in that the paint might contain lead or if they received a pamphlet about lead, and if their unit was ever tested for lead.

The items in this section are restricted to housing units built before 1978 because lead was an ingredient in common house paint until 1978. After 1978, lead was banned as an ingredient in residential paint.

Notes:

Size of area of peeling/flaking paint – Lead paint policy makes a distinction of "greater than 2 square feet" and "less than two square feet" of peeling/flaking paint. During the pretest, respondents had a difficult time understanding the concept of "2 square feet"; thus, the question was reworded to include a common object that is approximately 2 square feet in size (e.g., one page of newspaper) to help respondents answer the question.

Besides this room, how many other rooms also have a large amount of peeling or flaking paint – A "large amount" of peeling or flaking paint would be an area that is larger than 1 page of newspaper (e.g., 2 feet by 1 foot).

Peeling paint more/less than ½ door – For peeling/flaking paint on the exterior of a building, lead paint policy makes a distinction of "greater than 10 square feet" and "less than 10 square feet." During the pretest, respondents also had a difficult time understanding the concept of "10 square feet"; thus, the questions were reworded to include a common object that is approximately 10 square feet in size (e.g., half the size of a standard front door) to help respondents.

Seller/agent said lead was possible – A recent law (Title X of the Housing and Community Development Act of 1992) requires that, beginning in 1996, sellers and landlords of dwellings built before 1978 inform potential buyers and tenants that there could be lead-based paint in such dwellings and that lead-based paint can be hazardous to their health. Sellers and landlords are also required to disclose any specific knowledge he/she may have about lead paint in the dwelling. These items attempt to assess the prevalence of disclosure to buyers and tenants who moved in the previous 12 months.

BEAF78 =
Unit built before/after 1978

1	Built before 1978
2	Built in 1978 or later
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Would you know if that was before or after 1978?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1975 and 1977)] ; OR
2 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [Unit was built during 1970 or earlier and Unit was built during or after 1919] ; OR
5 : [NOT occupied interview]

BIGP =
Area of peeling paint larger than 8 x 11

1	Yes
2	No
B	Not applicable

Long description:
Do the walls on the inside of this housing unit have any areas of peeling paint or broken plaster?
Are any of these areas bigger than 8 inches by 11 inches?
(THE SIZE OF A STANDARD BUSINESS LETTER)

Type:	Character
Edit flag variable:	JBIGP
Allocation Matrix:	Matrix E
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [Noninterview]

BIGPEL =
Peeling paint outside larger than door

1	Smaller than a front door
2	Same size as a front door
3	Larger than a front door
B	Not applicable
D	Don't Know
R	Refused

Long description:
Thinking about the size of a standard front door, would you say that, taken all together, all of the areas of peeling or flaking paint on that side of the housing unit add up to an area that is SMALLER than a standard front door or LARGER than a standard front door?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [No outside paint peeling or flaking] ; OR
5 : [Occupied interview] AND [Outside of unit is not painted] ; OR
6 : [NOT occupied interview]

EVRTES =
Unit ever tested for lead paint

1	Yes, tested
2	No, never tested
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Prior to your living here, was this housing unit EVER tested for lead in the paint?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [Unit has been tested for lead-based paint] ; OR
5 : [NOT occupied interview]

LDMAYB =
Seller/agent said lead paint possible

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Before you purchased your home, did seller/agent mention the possibility that buildings built before 1978 might have lead in the paint?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Notes:
Due to a programming error in the 1999 automated instrument, this question was asked of all households rather than households where the respondent moved to the unit since September of the previous year. Obtain the correct universe by checking the move month and move year of the respondent and selecting cases where MOVE=1999 or (MOVE=1998 and MOVM ge 9).
These selections should also be limited to the correct year built categories.

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [or (MOVE eq (&SURVYEAR-1) and)] ; OR
5 : [NOT occupied interview]

LDTEST =
Unit tested for lead paint

1	Yes, tested
2	No, never tested
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Since you have lived here, has this housing unit been tested for lead in the paint?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

MUSTEL =
Knew you must be told about lead paint

1	Yes, have heard this
2	No, have not heard this
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Have you heard that people moving into homes that were built before 1978 now must be told before they move in that the paint might contain lead?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

OUTPEL =
Outside paint peeling or flaking

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused

Long description:
Is any of this paint peeling or flaking?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [Outside of unit is not painted] ; OR
5 : [NOT occupied interview]

OUTPNT =
Any part of outside of unit painted

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Now, thinking about the OUTSIDE of your housing unit, is ANY part of the outside of your housing unit painted, such as the walls, foundation, doors, window frames or trim?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

PAPHLT =
Received pamphlet about lead paint

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Before you purchased your home, did the agent give you a pamphlet
paint?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Notes:
Due to a programming error in the 1999 automated instrument, this question was asked of all households rather than households where the respondent moved to the unit since September of the previous year. Obtain the correct universe by checking the move month and move year of the respondent and selecting cases where MOVE=1999 or (MOVE=1998 and MOVM ge 9).
These selections should also be limited to the correct year built categories.

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [or (MOVE eq (&SURVYEAR-1) and)] ; OR
5 : [NOT occupied interview]

PEELAM =
Number of other rooms with peeling paint

0:99	0-99 rooms
B	Not applicable
D	Don't Know
R	Refused
.	Not reported

Long description:
Besides this room, how many other rooms also have a large amount of peeling or flaking paint?

Type:	Numeric
Edit flag variable:	JEELAM
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [The area of peeling paint is not larger than 8x11] ; OR
4 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [Occupied interview] AND [No peeling paint in rooms] ; OR
6 : [Occupied interview] AND [Peeling/flaking paint smaller than 1 page of newspaper] ; OR
7 : [NOT occupied interview]

PEELSZ =
Size of area of peeling/flaking paint

1	Smaller than 1 page of newspaper
2	Same size as 1 page of newspaper
3	Larger than 1 page of newspaper
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Would you say that, taken all together, all of the areas of peeling or flaking paint in that room add up to an area that is smaller than one page of newspaper or larger than one page of newspaper?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [The area of peeling paint is not larger than 8x11] ; OR
4 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [Occupied interview] AND [No peeling paint in rooms] ; OR
6 : [NOT occupied interview]

SMPEEL =
Peeling paint more/less than 1/2 door

1	Yes, at least half the size of a front door
2	No, smaller than half the size of a front door
3	Same size as half a front door
B	Not applicable
D	Don't Know

Long description:
Is it at least HALF the size of a standard front door or is it even smaller than that?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [The area of peeling paint is not smaller than the size of a door] ; OR
4 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [Occupied interview] AND [No outside paint peeling or flaking] ; OR
6 : [Occupied interview] AND [Outside of unit is not painted] ; OR
7 : [NOT occupied interview]

SNDPNT =
Old paint sanded or scraped

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Before painting, did someone sand or scrape off any of the old paint?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [The unit does not have any painting the inside] ; OR
3 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
4 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [NOT occupied interview]

TPBPAI =
Unit tested for lead paint before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for lead-based paint?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TPBPIP =
Lead pipes inspected before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for lead pipes?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

TPBSOL =
Lead solder inspected before purchase

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
When ... bought this housing unit, did anyone make inquiries or have this housing unit inspected or tested for lead solder on copper pipes?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(URE interview or vacant interview)] ; OR
2 : [Occupied interview] AND [Not owned] ; OR
3 : [Noninterview] AND [(NOT occupied interview or URE interview or vacant interview)]

Upgrade and Remodeling

This section contains information from questions asked about additions, alterations and repairs to housing units in the survey. Information includes questions about changes to amount of unit square footage, type of unit, and unit quality. In addition, the microdata file also includes information about whether the household got a low interest loan or grant to pay for repairs and the amount spent in a typical year on routine repairs and maintenance.

Notes:

Replacements and additions. The statistics refer to within 2 years prior to the interview and are restricted to owner-occupied units. The respondents were first asked if, in the last 2 years has there been a major disaster, such as an earthquake, tornado, hurricane, landslide, fire, or flood that required them to make extensive repairs to their home. Only if the damage involved at least 2 rooms or a majority of the home were replacements and additions counted as disaster required repairs. Respondents were asked to name major repairs made within the last 2 years. Also, they were asked if the repair was a replacement or an addition, if someone in the household did the work, and the cost of the repair.

The microdata file shows the total number of replacements/additions reported by all households, and the total cost of these replacements/additions. Each household could name as many as 74 jobs done in their home. In 1999, the maximum number of replacements/additions reported was 31. Questions were asked about where the work was done, if any rooms were created or attached, and if the bathroom or kitchen had been remodeled within the last 2 years.

Respondents also were asked if they added or replaced their roof, siding, interior water pipes; electrical wiring, fuse boxes or breaker switches; doors or windows; plumbing fixtures such as sinks or bath tubs; insulation; wall to wall carpeting, flooring; paneling or ceiling tiles; air conditioning; built in heating equipment; septic tank; water heater; dishwasher, garbage disposal; driveways or walk ways; fencing or walls; patio, terrace or detached deck; swimming pool, tennis court and other recreational structures; shed, detached garage or other buildings.

APTAD =

Space added to apartment

1	Yes
2	No
B	Not applicable
Blank	Not reported

Long description:
Was space added to this apartment by building an addition or converting nonresidential areas of the building?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

APTCH =

Type of change to apartment

1	Overflow mobile home moved in or moved out
2	Other, specify
B	Not applicable
Blank	Not reported

Long description:
Describe the type of change that occurred.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

APTCM =
Apartment combined with other apartment

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Did this apartment combine with another apartment so you now have more space?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

APTSP =
Apartment split into several apartments

1	Yes
2	No
B	Not applicable
D	Don't Know
Blank	Not reported

Long description:
Did this apartment split so there are now more apartments in the same space?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

CABNX =
Number of cabinets replaced/repaired

1:99	1-99 cabinets
B	Not applicable

Long description:
How many cabinets or built-in shelves were replaced or repaired?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [Did not replace cabinets in unit] ; OR
5 : [NOT occupied interview]

CABREP =
Replaced/repaired any cabinets in unit

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Have any cabinets or built-in shelves in your home been replaced or repaired in the past 12 months?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

DOORX =

Number of doors replaced/repaired

1:99	1-99 doors
B	Not applicable

Long description:
How many doors or door frames were replaced or repaired?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [No doors in the unit have been replaced or repaired] ; OR
5 : [NOT occupied interview]

RAC =

Cost of replacements/additions to unit

0:999999	$0-$999,999
B	Not applicable

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
RAC is not topcoded directly, but is the sum of the RADs.

RAD =
Cost of alteration/repair

0	$0
1	Cost reported with other work
2:999997	$2-$999,997
999998	$999,998 or more
D	Don't Know
R	Refused
.	Not reported

Long description:
How much did the entire job cost, including your costs and any amount covered by insurance not counting your time?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	Yes
Module 1999 and earlier:	homimp
Module 2001 and later:	homimp
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The maximum number of upgrades shown in the flat file is 16.
There is a small number (less than .03% of those responded to the question) of observations where the number of upgrades is greater than 16.
For information on all upgrades please refer to the HOMEIMP file
Topcoded in the 99.5th percentile.
The topcode is computed individually for each type of job reported.

RAH =

Household member performed alteration/repair

If using single file version of AHS, this variable becomes: **RAH1-RAH16**

1	Yes
2	No
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did some one in your household do most of the work?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	homimp
Module 2001 and later:	homimp
Unit of observation:	HOMIMP
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

RAN =

Number of replacements/additions made to unit

0:74	0-74 replacements/additions made to unit
B	Not applicable

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	toppuf
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

RAS =
Type of alteration/repair - 1999 version

If using single file version of AHS, this variable becomes: **RAS1-RAS16**

01	01_Disaster required repairs
02	02_Created finished bathroom from unfinished space
03	03_Created finished bedroom from unfinished space
04	04_Job type deleted in 1999
05	05_Created finished recreation room from unfinished space
06	06_Created other finished inside room from unfinished space
07	07_Added bathroom onto home
08	08_Added kitchen onto home
09	09_Added bedroom onto home
10	10_Added other inside room onto home
11	11_Added attached garage onto home
12	12_Added porch onto home
13	13_Added deck onto home
14	14_Added carport onto home
15	15_Added other outside structure onto home
16	16_Job type deleted in 1999
17	17_Job type deleted in 1999
18	18_Job type deleted in 1999
19	19_Job type deleted in 1999
20	20_Job type deleted in 1999
21	21_Job type deleted in 1999
22	22_Job type deleted in 1999
23	23_Job type deleted in 1999
24	24_Job type deleted in 1999
25	25_Job type deleted in 1999
26	26_Job type deleted in 1999
27	27_Job type deleted in 1999
28	28_Job type deleted in 1999
29	29_Job type deleted in 1999
30	30_Job type deleted in 1999
31	31_Job type deleted in 1999
32	32_Job type deleted in 1999
33	33_Job type deleted in 1999
34	34_Job type deleted in 1999
35	35_Bedroom created through structural changes
36	36_Other room created through structural changes
37	37_Added/replaced roof over entire home
38	38_Added/replaced siding on home
39	39_Job type deleted in 1999
40	40_Added/replaced internal water pipes in home
41	41_Job type deleted in 1999
42	42_Added/replaced electrical wiring, fuse boxes, or breaker switches in home
43	43_Job type deleted in 1999
44	44_Job type deleted in 1999
45	45_Added/replaced doors or windows in home
46	46_Job type deleted in 1999
47	47_Added/replaced plumbing fixtures in home
48	48_Job type deleted in 1999

49	49_Added/replaced insulation in home
50	50_Job type deleted in 1999
51	51_Job type deleted in 2005
52	52_Installed wall-to-wall carpeting
53	53_Added other types of flooring such as wood, tile, marble, or vinyl
54	54_Job type deleted in 1999
55	55_Installed paneling or ceiling tiles
56	56_Job type deleted in 1999
57	57_Added/replaced central air conditioning
58	58_Added/replaced built-in heating equipment
59	59_Job type deleted in 1999
60	60_Added/replaced septic tank
61	61_Added/replaced water heater
62	62_Added/replaced built-in dishwasher
63	63_Added/replaced garbage disposal
64	64_Other major improvements or repairs inside home(up to three could be reported)
65	65_Added/replaced driveways or walkways
66	66_Added/replaced fencing or walls
67	67_Added/replaced patio, terrace, or detached deck
68	68_Added/replaced swimming pool, tennis court, or other recreational structure
69	69_Added/replaced shed, detached garage, or other building
70	70_Other major improvements or repairs to lot or yard (up to three could be reported)
71	71_Remodeled bathroom
72	72_Remodeled kitchen
73	73_Bathroom created through structural changes
74	74_Added/replaced security system in home

Long description:
This is a recode indicating which type of alteration/repair was reported.

Type:	Character
Edit flag variable:	JRAS
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	homimp
Module 2001 and later:	homimp
Unit of observation:	HOMEIMP
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
The maximum number of upgrades shown in the flat file is 16.
There is a small number (less than .03% of those responded to the question) of observations where the number of upgrades is greater than 16.
For information on all upgrades please refer to the HOMEIMP file.
In 2005, the coding for the carpeting options was changed with Option 51
becoming obsolete and Option 52 reworded.
Previously Option 52 read: Added wall to wall carpeting over finished floor

RAW =

Alteration/repair is addition/replacement

If using single file version of AHS, this variable becomes: **RAW1-RAW16**

1	Addition
2	Replacement (not specified if all replaced or just part replaced)
3	Replacement (all replaced)
4	Replacement (just part replaced)
5	Room a/c replaced by central a/c or
6	Central a/c replaced by new central a/c or
7	Both addition and replacement
8	Addition/replacement not reported

Long description:
Recode create to indicate whether the alteration/repair was an addition or a replacement.

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	homimp
Unit of observation:	HOMIMP
Present in survey year(s):	1997N

RAY =

Year alteration/repair completed

If using single file version of AHS, this variable becomes: **RAY1-RAY16**

1994:1997 1994-1997

Long description:
In what year was the work completed?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	homimp
Unit of observation:	HOMEIMP
Present in survey year(s):	1997N

SUBFIX =
Household got government loan/grant for alterations

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Did the household get a low interest loan or grant from a government program to help pay for making any of these repairs or alterations to your home?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

USFCAM =
Amount of square foot change in unit

-99998	-99,998 square feet or more lost
-100:-99997	-100 - -99,997 square feet lost
-99	99 square feet or less lost
0	nothing lost or added
99	99 square feet or less added
100:99997	100-99,997 square feet added
99998	99,998 square feet or more added
B	Not applicable
.	Not reported

Long description:
How many square feet of living space were added or lost?
(If dimensions given, record dimensions.)

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
Due to error, not collected in 1999.

Conditions not in universe:
1 : [((Occupied interview or URE interview or vacant interview) and (Same HU as last enumeration or HU is not part of a new incoming sample or (There is a valid interview)))] AND [NO change in square footage of unit] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

USFCHG =
Change in square footage of unit

1	Yes
2	No
B	Not applicable

Long description:
Since two years ago, has there been a change in the amount of living space in the housing unit because of putting on an addition, finishing an attic, or converting a garage to living space?
(DO NOT COUNT FINISHING A BASEMENT)

Type:	Character
Edit flag variable:	JSFCHG
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Conditions not in universe:
1 : [(Occupied interview or URE interview or vacant interview)] AND [NOT same HU as last enumeration or HU is part of a new incoming sample or The status is non-interview] ; OR
2 : [(NOT occupied interview or URE interview or vacant interview)]

WALLX =
inside walls/ceilings repaired/replaced

1:99	1-99 walls or ceilings
B	Not applicable

Long description:
How many inside walls or ceilings were replaced or repaired?

Type:	Numeric
Edit flag variable:	JWALLX
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [Inside walls/ceilings NOT repaired/replaced] ; OR
5 : [NOT occupied interview]

WALREP =
Inside walls/ceilings repaired/replaced

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Have any inside walls or ceilings in your home been replaced or repaired in the past 12 months?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

WINREP =
Windows repaired or replaced

1	Yes
2	No
B	Not applicable
D	Don't Know
R	Refused
Blank	Not reported

Long description:
Not counting the glass, have any windows been replaced or repaired in the past 12 months?

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [NOT occupied interview]

WINX =
Number of windows repaired or replaced

1:99	1-99 windows
B	Not applicable

Long description:
How many windows were replaced or repaired?

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

Conditions not in universe:
1 : [Occupied interview] AND [(Unit was built between 1978 and 1979)] ; OR
2 : [Occupied interview] AND [Unit was built in or after 1978] ; OR
3 : [Occupied interview] AND [Unit was built during or after 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [Occupied interview] AND [Windows NOT repaired or replaced] ; OR
5 : [NOT occupied interview]

Allocation Variables

Missing Values

While the Census Bureau makes all reasonable efforts to collect valid responses to all survey questions, respondents do not always provide information. Non-response occurs for various reasons, ranging from not knowing the answer to refusing to answer the question. For most variables, the Census Bureau enters a missing value code for that response. For certain key variables, however, the Census Bureau applies a procedure to allocate or assign values to those missing data. This process, known as allocation at the Census Bureau, is often referred to as imputation of missing values.

In 1997, the AHS changed the way missing values are coded. Previously, different types of missing values were coded using all 9's and then counting down by one from there. For example, 9999 = Not applicable, 9998 = Not answered, etc. The coding change in 1997 took advantage of special SAS missing value functions. SAS enables users to differentiate among classes of missing values in numeric data. For numeric variables, users can designate up to 27 special missing values by using the letters A through Z, in either upper- or lowercase, and the underscore character (_). Use the following SAS statement to define these values as missing:

```
missing B D R;
```

Analogous missing values are also present in ASCII versions of the microdata.

In the SAS data files, the missing values are as follows:

B = Not applicable
D = Don't Know
R = Refused
Blank or `.` = Not reported

In the ASCII text version of the data, the system of coding missing values is more complicated. When the range of valid values for a particular variable contains two or more digits *or* the largest valid value is greater or equal to 6, then the codes are the following:

-9 = Not applicable
-8 = Refused
-7 = Don't Know
-6 or Blank = Not reported

Otherwise, when the valid values for a variable have only one digit and the largest valid value is less than 6, then the coding for missing variables is:

9 = Not applicable
8 = Refused

7 = Don't Know
6 or Blank = Not reported

This change in the coding of missing values means that programs developed to use previous years of AHS data may need to be revised to run properly and accurately. If programs are not adapted, the program may crash, report errors, or produce erroneous results.

For allocated values, the Census Bureau uses a procedure called "hot-decking" in which a missing value is replaced with the last value for that variable for a unit with the same selected characteristics. The collection of possibilities for units with the same characteristics is referred to as an *allocation matrix* whose dimensions are based on a set of selected variables being allocated. Different matrices are used to create replacements for missing values for different variables or questions.

A more complete description of the allocation matrices and the allocation process can be found in the "Allocation Matrices" appendix.

JAFUEL =

Edit flag for AFUEL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAGE =

Edit flag for AGE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAIR =
Edit flag for AIR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JALMV =
Edit flag for ALMV

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMEDU =
Edit flag for SAMEDU

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMRTZ =
Edit flag for AMRTZ

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTE =
Edit flag for AMTE

Blank	No change
1	Other edit change
2	Changed by hot deck
3	Computed by regression

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTF =
Edit flag for AMTF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTG =
Edit flag for AMTG

Blank	No change
1	Other edit change
2	Changed by hot deck
3	Computed by regression

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTI =
Edit flag for AMTI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTM =
Edit flag for AMTM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTM2 =
Edit flag for AMTM2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTO =
Edit flag for AMTO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTT =
Edit flag for AMTT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAMTW =
Edit flag for AMTW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JANPMT =
Edit flag for LANPMT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JANVAR =
Edit flag for CANVAR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JANVR2 =
Edit flag for CANVR2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAPPLY =

Edit flag for APPLY

Blank	No change
1	Other edit change
2	Changed by hot deck

Long Description:

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JARAGE =

Edit flag for GARAGE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JARSYS =
Edit flag for OARSYS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JASPI2 =
Edit flag for GASPI2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JASPIP =
Edit flag for GASPIP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JATBUY =
Edit flag for MATBUY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JATBY2 =
Edit flag for MATBY2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JATERS =
Edit flag for WATERS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JATVTY =
Edit flag for NATVTY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JAUNDY =
Edit flag for LAUNDY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBANK =
Edit flag for BANK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBANK2 =
Edit flag for BANK2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBATHS =
Edit flag for BATHS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBEDX =
Edit flag for BEDX

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

JBIGP =
Edit flag for BIGP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBILLE =
Edit flag for BILLE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JBILLF =
Edit flag for BILLF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBILLG =
Edit flag for BILLG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBILLO =
Edit flag for BILLO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBILLT =
Edit flag for BILLT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBILLW =
Edit flag for BILLW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBLON2 =
Edit flag for BLOON2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBLOON =
Edit flag for BLOON

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBSINK =
Edit flag for BSINK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUILT =
Edit flag for BUILT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUSIN =
Edit flag for BUSIN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

JBUYE =
Edit flag for BUYE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYE2 =
Edit flag for BUYE2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYF =
Edit flag for BUYF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYF2 =
Edit flag for BUYF2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYG =
Edit flag for BUYG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYG2 =
Edit flag for BUYG2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYI =
Edit flag for BUYI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYO =
Edit flag for BUYO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYO2 =
Edit flag for BUYO2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYT =
Edit flag for BUYT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYT2 =
Edit flag for BUYT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYW =
Edit flag for BUYW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JBUYW2 =
Edit flag for BUYW2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCARS =
Edit flag for CARS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCCESS =
Edit flag for ACCESS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCFUEL =
Edit flag for CFUEL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCLIMB =
Edit flag for CLIMB

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCNTRL =
Edit flag for RCNTRL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCONDO =
Edit flag for CONDO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCOOK =
Edit flag for COOK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JCPRIC =
Edit flag for CPRICE

Blank	No change
1	Other edit change
2	Changed by hot deck

Long Description:	
Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JDAFUR =
Edit flag for DAFUR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDATE =
Edit flag for DATE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDCOOK =
Edit flag for DCOKST

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDELEC =
Edit flag for DELEC

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDENS =
Edit flag for DENS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDFLIN =
Edit flag for DFLIN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N

JDFLOT =
Edit flag for DFLOT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDFPLI =
Edit flag for DFRPLI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDFRPL =
Edit flag for DFRPL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDFUEL =
Edit flag for DFUEL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDHOTH =
Edit flag for DHOTH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDHPMP =
Edit flag for DHPMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDIRAC =
Edit flag for ODIRAC

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDISH =
Edit flag for DISH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDISPL =
Edit flag for DISPL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDISTJ =
Edit flag for DISTJ

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDPLF =
Edit flag for DPLF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDPORH =
Edit flag for DFORTH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

JDRY =
Edit flag for DRY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JDSTEA =
Edit flag for DSTEAM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JDSTOV =
Edit flag for DSTOVE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JEDRMS =

Edit flag for BEDRMS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEELAM =

Edit flag for PEELAM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

JEGMOR =
Edit flag for REGMOR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JELDUS =
Edit flag for WELDUS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JELEV =
Edit flag for ELEV

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JELLAR =
Edit flag for CELLAR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JELUMN =
Edit flag for HELUMN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JELUMP =
Edit flag for HELUMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JENURE =
Edit flag for TENURE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEQUIP =
Edit flag for HEQUIP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JESMOR =
Edit flag for RESMOR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JESMR2 =
Edit flag for RESMR2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEVROD =
Edit flag for EVROD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEWDIS =
Edit flag for SEWDIS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEWDUS =

Edit flag for SEWDUS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEWMOR =

Edit flag for NEWMOR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEWMR2 =
Edit flag for NEWMR2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JEXCLU =
Edit flag for KEXCLU

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFAFUR =
Edit flag for FAFUR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFAMRM =
Edit flag for FAMRM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFARM2 =
Edit flag for MFARM2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFBLOW =
Edit flag for IFBLOW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFCOLD =
Edit flag for IFCOLD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFCOOK =
Edit flag for FCOKST

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFELEC =
Edit flag for FELECT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFFLIN =
Edit flag for FFLIN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFFLOT =
Edit flag for FFLOT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFFPLI =
Edit flag for FFRPLI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFFRPL =
Edit flag for FFRPL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFHOTH =
Edit flag for FHOTH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFHPMP =
Edit flag for FHPMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFOTHF =
Edit flag for IFOTHF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFPLF =
Edit flag for FPLF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFPLWK =
Edit flag for FPLWK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFPORH =
Edit flag for FPORTH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFRENT =
Edit flag for FRENT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JFSTEA =
Edit flag for FSTEAM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JFSTOV =
Edit flag for FSTOVE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JGRAD =
Edit flag for GRAD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHALFB =
Edit flag for HALFB

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHARAT =
Edit flag for SHARAT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHARFR =
Edit flag for SHARFR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHARPF =
Edit flag for SHARPF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHERE =
Edit flag for HERE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHFUEL =
Edit flag for HFUEL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHAGE =
Edit flag for HHAGE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHATVTY =
Edit flag for HHNATVTY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHGRAD =
Edit flag for HHGRAD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHITSHP =
Edit flag for HHCITSHP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHMAR =
Edit flag for HHMAR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHMOVE =
Edit flag for HHMOVE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHMOVM =
Edit flag for HHMOVM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHMVG =
Edit flag for HHMVG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHNUSYR =
Edit flag for HHINUSYR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHRACE =
Edit flag for HHRACE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHREL =
Edit flag for HHREL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHSEX =
Edit flag for HHSEX

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHSPAN =
Edit flag for HHSPAN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHHSPOS =
Edit flag for HHSPOS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHNGET =
Edit flag for WHNGET

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHOLES =
Edit flag for HOLES

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHOTFE =
Edit flag for MHOTFE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHSTAY =
Edit flag for MHSTAY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHYMOV =
Edit flag for WHYMOVE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHYTOH =
Edit flag for WHYTOH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JHYTON =
Edit flag for WHYTON

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIFDRY =
Edit flag for IFDRY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIFFEE =
Edit flag for IFFEE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIFSEW =
Edit flag for IFSEW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIFTLT =
Edit flag for IFTLT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILEAK =
Edit flag for ILEAK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLEF =
Edit flag for BILLEF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JILLEG =
Edit flag for BILLEG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JILLEO =
Edit flag for BILLEO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JILLET =
Edit flag for BILLET

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JILLEW =
Edit flag for BILLEW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JILLFE =
Edit flag for BILLFE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLFG =
Edit flag for BILLFG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLFO =
Edit flag for BILLFO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLFT =
Edit flag for BILLFT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLFW =
Edit flag for BILLFW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLGE =
Edit flag for BILLGE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLGF =
Edit flag for BILLGF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLGO =
Edit flag for BILLGO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLGT =
Edit flag for BILLGT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLGW =
Edit flag for BILLGW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLOE =
Edit flag for BILLOE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLOF =
Edit flag for BILLOF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLOG =
Edit flag for BILLOG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLOT =
Edit flag for BILLOT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLOW =
Edit flag for BILLOW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLTE =
Edit flag for BILLTE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLTF =
Edit flag for BILLTF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLTG =
Edit flag for BILLTG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLTO =
Edit flag for BILLTO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLTW =
Edit flag for BILLTW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLWE =
Edit flag for BILLWE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLWF =
Edit flag for BILLWF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLWG =
Edit flag for BILLWG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLWO =
Edit flag for BILLWO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JILLWT =
Edit flag for BILLWT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIMSHR =
Edit flag for TIMSHR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINCO2 =
Edit flag for PINCO2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINCOP =
Edit flag for PINCOP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINCS =
Edit flag for INCS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINING =
Edit flag for DINING

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINTF =
Edit flag for INTF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINTF2 =
Edit flag for INTF2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINTW =
Edit flag for INTW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JINTW2 =
Edit flag for INTW2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIRSYS =
Edit flag for AIRSYS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JITSHP =
Edit flag for CITSHP

1	Other edit change
2	Changed by hot deck
Blank	No change

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JIVING =
Edit flag for LIVING

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JKITCH =
Edit flag for KITCH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JLEAK =
Edit flag for LEAK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JLINE1 =
Edit flag for DLINE1

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JLOORS =
Edit flag for FLOORS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JLOT =
Edit flag for LOT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JLPRIC =
Edit flag for LPRICE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JLRENT =
Edit flag for LRENT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JLT25K =
Edit flag for LT25K

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

JM3ROD =
Edit flag for M3ROD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMAMT2 =
Edit Flag for PMAMT2

Blank	No change
1	Other edit change
2	Changed by hot deck
.	Not reported

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMAR =
Edit flag for MAR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMARKT =
Edit flag for MARKT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCHEP =
Edit flag for WMCHEP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCHTN =
Edit flag for WMCHTN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCLOS =
Edit flag for WMCLOS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCNDO =
Edit flag for WMCNDO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCNT =
Edit flag for MCNT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCOM =
Edit flag for MCOM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMCOM2 =
Edit flag for MCOM2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMDISL =
Edit flag for WMDISL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMEVIC =
Edit flag for WMEVIC

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JMFAML =
Edit flag for WMFAML

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMFARM =
Edit flag for MFARM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMFEMP =
Edit flag for WMFEMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMG =
Edit flag for MG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

Notes:
In 1997, in MORTG module.

JMGOVP =
Edit flag for WMGOVP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMGOVT =
Edit flag for WMGOVT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMHOUS =
Edit flag for WMHOUS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMIAMT =
Edit flag for PMIAMT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMICE =
Edit flag for MICE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMIPMT =
Edit flag for PMIPMT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMJOBS =
Edit flag for WMJOBS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMLARG =
Edit flag for WMLARG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMMARR =
Edit flag for WMMARR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMMORT =
Edit flag for AMMORT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMMRT2 =
Edit flag for AMMRT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMMRT3 =
Edit flag for AMMRT3

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMMRT4 =
Edit flag for AMMRT4

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMONHH =
Edit flag for WMONHH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMOTHR =
Edit flag for WMOTHR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMOVAC =
Edit flag for MOVAC

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMOVE =
Edit flag for MOVE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMOVM =
Edit flag for MOVM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMOWNR =
Edit flag for WMOWNR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMPMT2 =
Edit flag for PMPMT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMPRIV =
Edit flag for WMPRIV

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMQUAL =
Edit flag for WMQUAL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMRTZ2 =
Edit flag for AMRTZ2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JMVG =
Edit flag for MVG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNFEEQ =
Edit flag for CONFEEQ

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N

JNHOME =
Edit flag for WNHOME

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNITSF =
Edit flag for UNITSF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNLOOK =
Edit flag for WNLOOK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNOOTH =
Edit flag for NOOTHRM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N

JNOTHR =
Edit flag for WNOTHR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNPEPL =
Edit flag for WNPEPL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNTRAN =
Edit flag for WNTRAN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNUSYR =
Edit flag for INUSYR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JNYCAR =
Edit flag for ANYCAR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

JNYRUG =
Edit flag for ANYRUG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

JOAFUE =
Edit flag for OAFUEL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOILET =
Edit flag for TOILET

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOOMSA =
Edit flag for ROOMSA

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA

JOPERM =
Edit flag for MOPERM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JORTIN =
Edit flag for MORTINS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JORTN2 =
Edit flag for MORTN2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOTHFN =
Edit flag for OTHFN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOTPIP =
Edit flag for HOTPIP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOTSUR =
Edit flag for NOTSUR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOVEN =
Edit flag for OVEN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOVGRP =
Edit flag for MOVGRP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JOWIRE =
Edit flag for NOWIRE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPAR =
Edit flag for PAR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPASS =

Edit flag for PASS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPLUGS =

Edit flag for PLUGS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPMOVM =
Edit flag for PMOVM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPMT =
Edit flag for PMT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPMT2 =
Edit flag for PMT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPMT3 =
Edit flag for PMT3

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPMT4 =
Edit flag for PMT4

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPMVYR =
Edit flag for PMOVYR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPORCH =
Edit flag for PORCH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPQALIM =
Edit flag for PQALIM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

JPQDIV =
Edit flag for PQDIV

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

JPQIDRI =
Edit flag for PQIDRI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQINT =
Edit flag for PQINT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

JPQOTALM =
Edit flag for PQOTALM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQOTHER =
Edit flag for PQOTHER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

JPQOTHNR =
Edit flag for PQOTHNR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQRENT =
Edit flag for PQRENT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Person
Unit of observation:	PERSON
Present in survey year(s):	2007N, 2007MSA

JPQRETIR =
Edit flag for PQRETIR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSAL =
Edit flag for PQSAL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSALNR =
Edit flag for PQSALNR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSELF =
Edit flag for PQSELF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSELFN =
Edit flag for PQSELFN

Blank	No change
1	Other edit change
2	Changed by hot deck

Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSLFNR =
Edit flag for PQSELFNR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSS =
Edit flag for PQSS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQSSI =
Edit flag for PQSSI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQWELF =
Edit flag for PQWELF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPQWKCMP =
Edit flag for PQWKCMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	PERSON
Present in survey year(s):	2005N, 2007N, 2007MSA

JPRENT =
Edit flag for PRENT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPROJ =
Edit flag for PROJ

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPVALU =
Edit flag for PVALUE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JPVOTHER =
Edit flag for PVOTHER

Blank	No change
1	Other edit change
2	Changed by hot deck

Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	
Present in survey year(s):	2005N, 2007N, 2007MSA

JQALIM =
Edit flag for QALIM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JQBUS =
Edit flag for QBUS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JQDIV =
Edit flag for QDIV

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JQIDRI =
Edit flag for QIDRI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

JQINT =
Edit flag for QINT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JQOTALM =
Edit flag for QOTALM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N

JQOTHER =
Edit flag for QOTHER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JQRENT =
Edit flag for QRENT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JQRETIR =
Edit flag for QRETIR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

JQSELF =
Edit flag for QSELF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

JQSS =
Edit flag for QSS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JQSSI =
Edit flag for QSSI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

JQWELF =
Edit flag for QWELF

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JQWKCMP =
Edit flag for QWKCMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2005N, 2007N, 2007MSA

JRACE =
Edit flag for RACE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRACKS =
Edit flag for CRACKS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRAS =
Edit flag for RAS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	homimp
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRATS =
Edit flag for RATS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRECRM =
Edit flag for RECRM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JREEZE =
Edit flag for FREEZE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JREFI =
Edit flag for REFI

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JREFI2 =
Edit flag for REFI2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JREFR =
Edit flag for REFR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JREL =
Edit flag for REL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRENEW =
Edit flag for RENEW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JRENT =
Edit flag for RENT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JREUAD =
Edit flag for REUAD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRMOR2 =
Edit flag for YRMOR2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JROPSL =
Edit flag for CROPSL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRSHOP =
Edit flag for DRSHOP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRSTHO =
Edit flag for FRSTHO

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JRSTOC =
Edit flag for FRSTOC

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRTYP1 =
Edit flag for MRTYP1

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRTYP2 =
Edit flag for MRTYP2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JRUCKS =
Edit flag for TRUCKS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSAL =
Edit flag for SAL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSEGAS =
Edit flag for USEGAS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSEX =
Edit flag for SEX

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSFCHG =
Edit flag for USFCHG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSFLIN =
Edit flag for SFLIN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JSINK =
Edit flag for SINK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSPAN =
Edit flag for SPAN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSPORH =
Edit flag for SPORTH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JSPOS =
Edit flag for SPOS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	person
Module 2001 and later:	person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JSTORG =
Edit flag for STORG

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

JTBSUN =
Edit flag for ATBSUN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA

JTEN =
Edit flag for TEN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Person
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JTERM =
Edit flag for TERM

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTERM2 =
Edit flag for TERM2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTHPMT =
Edit flag for OTHPMT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTHRUN =
Edit flag for OTHRUN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTIMEJ =
Edit flag for TIMEJ

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTPARK =
Edit flag for TPARK

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTPMT2 =
Edit flag for OTPMT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTRAN =
Edit flag for TRAN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTRASH =
Edit flag for TRASH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTUB =
Edit flag for TUB

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTXRE =
Edit flag for TXRE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JTYPE =
Edit flag for TYPE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUBMOR =
Edit flag for SUBMOR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUBMR2 =
Edit flag for SUBMR2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUBRNT =
Edit flag for SUBRNT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N

JUBSEW =
Edit flag for PUBSEW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUMAIR =
Edit flag for NUMAIR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUMSEW =
Edit flag for NUMSEW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUNIT2 =
Edit flag for NUNIT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUNITS =
Edit flag for NUNITS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JURNER =
Edit flag for BURNER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JUSELECT =

Edit flag for USELECT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JUSEOIL =

Edit flag for USEOIL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JUSEOTHR =

Edit flag for USEOTHR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

JUSPER =

Edit flag for BUSPER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVACAN =
Edit flag for VACANCY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVALU =
Edit flag for VALUE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVARY =
Edit flag for VARY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVARY2 =
Edit flag for VARY2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVCNT1 =
Edit flag for MVCNT1

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVCNT2 =
Edit flag for MVCNT2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVCNT3 =
Edit flag for MVCNT3

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVEHCL =
Edit flag for VEHCL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JVOTHER =
Edit flag for VOTHER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JVOTHER2 =
Edit flag for VOTHER2

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JWALLX =
Edit flag for WALLX

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N

JWASH =
Edit flag for WASH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWATER =
Edit flag for WATER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWFUEL =
Edit flag for WFUEL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHAVL =
Edit flag for WHAVL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHDSN =
Edit flag for WHDSN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHDY =
Edit flag for WHDY

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHEXT =
Edit flag for WHEXT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHFIN =
Edit flag for WHFIN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHHRB =
Edit flag for WHHRB

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHHRW =
Edit flag for WHHRW

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHKIT =
Edit flag for WHKIT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHOTH =
Edit flag for WHOTH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHQUL =
Edit flag for WHQUL

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHSIZ =
Edit flag for WHSIZ

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWHYRD =
Edit flag for WHYRD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWKCMP =
Edit flag for QWKCMP

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA

JWNFUN =
Edit flag for WNFUN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWNHER =
Edit flag for OWNHERE

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	owner
Module 2001 and later:	owner
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWNJOB =
Edit flag for WNJOB

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWNLOT =
Edit flag for OWNLOT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWNSCH =
Edit flag for WNSCH

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWNSRV =
Edit flag for WNSRV

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JWTIME =
Edit flag for WTIME

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	jtw
Module 2001 and later:	jtw
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JXCLUS =

Edit flag for EXCLUS

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	houshld
Module 2001 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JXHEAD =

Edit flag for XHEAD

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JXPER =
Edit flag for XPER

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JXTEN =
Edit flag for XTEN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JXUNIT =
Edit flag for XUNIT

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	rmov
Module 2001 and later:	rmov
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JYRMOR =
Edit flag for YRMOR

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 1999 and earlier:	mortg
Module 2001 and later:	mortg
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1998MSA, 1999N, 2001N, 2002MSA, 2003N, 2004MSA, 2005N, 2007N, 2007MSA

JZINCN =
Edit flag for ZINCN

Blank	No change
1	Other edit change
2	Changed by hot deck

Type:	Character
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2001 and later:	Newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2007N, 2007MSA

Income Limits

This section contains documentation for variables describing the income limits, Fair Market Rents (FMRs), area median incomes, and poverty levels for the records in the public use microdata of the 2003 AHS National Survey. As of the release of version 1.75 of the AHS Codebook, this data have not yet been added to the distribution of the AHS national file, but are expected to be added shortly. Documentation is included here in anticipation of that update.

FMRs, area median incomes, poverty levels, and income limits are area-specific figures that HUD calculates annually to help administer several of its assistance programs. Detailed explanations on how they are determined and data files for current and previous years are available at:

http://www.huduser.org/datasets/fmr.html (FMRs); http://www.huduser.org/datasets/il.html (income limits); and http://aspe.hhs.gov/poverty/poverty.shtml (poverty income guidelines).

This narrative discussion is based on the documentation provided by HUD.

HUD determines 3 sets of income limits for each area (typically a county or group of counties): 30%, 50%, and 80% of area median income. These three income limits are then adjusted for household size, and used for various administrative purposes. The procedure is as follows:

1. For each area, estimate a median income.
2. Multiply the median income by 30, 50, and 80 percent.
3. Apply certain exceptions and make adjustments to these amounts.

Steps 1-3 determine three income limits for 4-person households. Step 4 adjusts for household size:

4. Multiply the amount from the previous step to get the amounts for each household size. For example, multiply by 70 percent to get the 1-person income limit.

The 2003 estimates in the AHS data were calculated in a different way from the estimates of previous years. In order to understand this change, some background on the geographic variation of income limits and fair market rents is required, as is an understanding of the geographic variables available in the AHS public use file (PUF). To avoid repetition, in the discussion below "income limits" should be understood to mean "income limits, area median incomes, and fair market rents."

HUD's Economic Market Analysis Division (EMAD) estimates income limits annually for every metropolitan area and nonmetropolitan county in the United States. However, the AHS PUF identifies the metropolitan area (via the SMSA variable) only when the area has a population of 100,000 or more persons. Other AHS variables that have a geographic component include REGION (the four Census regions), METRO3 (central city, suburban, or nonmetropolitan), and DEGREE (heating and cooling degree days).

In the mid-1990s, a group of HUD analysts computed population-weighted averages of 1995 HUD income limits and fair market rents for the areas identified by SMSA and for the other areas denoted by all possible combinations of REGION*METRO*DEGREE (METRO was an earlier version of METRO3). These averages were used as input by a computer program that looked up the correct information in that file, for each AHS record. The program also applied the household size adjustments and calculated poverty incomes. Finally, these values were updated for inflation, using the Consumer Price Index.

Thus, the data in earlier versions of the AHS income limits files were inflation-adjusted 1995 HUD income limits. Where the metropolitan area was known, the appropriate limits were applied. For other areas, the REGION*METRO*DEGREE limits were applied.

The Census Bureau has recently developed a geocoded database that allows analysts to identify the county and metropolitan area of each AHS record. (For confidentiality reason, access to this database is limited to sworn Census employees.) The existence of this database and improvements in computing power have made it possible to match 2003 AHS records with the income limits appropriate to that housing unit's county or metropolitan area.

The current file thus uses actual HUD 2003 income limits (available at http://www.huduser.org/datasets/il/fmr03/index.html) for all records identified by SMSA. For those not so identified, the income limits are averaged across all records with the same REGION*METRO3*DEGREE combination. (This was done to preserve confidentiality.) However, the basis of the limits are the HUD 2003 limits, not inflated 1995 limits. Thus, the new limits will more accurately reflect current income and rent conditions.

FMR =
Fair market rent (average)

Long description:
Fair market rents (FMRs), set at the 40th percentile of estimated gross rental costs for standard quality rental housing units, are used to determine the eligibility of rental housing units for the Section 8 Housing Assistance Payments program. FMR (average) is a population-weighted average of the different FMRs existing within one AHS location.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
1. Fair market rent is in dollars per month.
2. In 2001, FMRs for 39 selected areas began being calculated at the 50th percentile level.
3. Prior to 2003, FMR estimates are based on official HUD numbers as of 1995, updated for inflation. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

FMRA =
Fair market rent (minimum)

Long description:
Fair market rents (FMRs), set at the 40th percentile of estimated gross rental costs for standard quality rental housing units, are used to determine the eligibility of rental housing units for the Section 8 Housing Assistance Payments program. FMR (minimum) is the lowest FMR value present in an AHS location.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
See FMR notes.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

FMRB =
Fair market rent (maximum)

Long description:
Fair market rents (FMRs), set at the 40th percentile of estimated gross rental costs for standard quality rental housing units, are used to determine the eligibility of rental housing units for the Section 8 Housing Assistance Payments program. FMR (maximum) is the highest FMR value present in an AHS location.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
See FMR notes.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

IPOV =
Poverty level income

Long description:
This is the federal poverty measure used to determine financial eligibility for certain federal programs. It is based on 1983 official HHS guidelines and annually updated for inflation.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L30 =
Extremely low income limit (average)

Long description:
HUD's extremely low income limit is set at 30% of the area median income, but then subject to adjustments based on certain exceptions. This variable is a population-weighted average of the corresponding limits of FMR/income limit areas within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2003N, 2005N, 2007N

Notes:
Though extremely low income limits were calculated for each FMR/income limit level beginning in 1999, their AHS area corresponding values (average, minimum, and maximum) do not exist prior to 2003.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L30A =
Extremely low income limit (minimum)

Long description:
For each FMR/income limit area, HUD's extremely low income limit is set at 30% of the area median income, but then subject to adjustments based on certain exceptions. This variable is the lowest such limit found within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2003N, 2005N, 2007N

Notes:
See L30 notes.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L30B =
Extremely low income limit (maximum)

Long description:
For each FMR/income limit area, HUD's extremely low income limit is set at 30% of the area median income, but then subject to adjustments based on certain exceptions. This variable is the highest such limit found within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	2003N, 2005N, 2007N

Notes:
See L30 notes.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L50 =
Very low income limit (average)

Long description:
HUD's very low income limit is set at 50% of the area median income, but then subject to adjustments based on certain exceptions. This variable is a population-weighted average of the corresponding limits of FMR/income limit areas within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, averages are based on HUD's 1995 limits, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L50A =
Very low income limit (minimum)

Long description:
For each FMR/income limit area, HUD's very low income limit is set at 50% of the area median income, but then subject to adjustments based on certain exceptions.
This variable is the lowest such limit found within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, values are based on HUD's 1995 estimates, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L50B =
Very low income limit (maximum)

Long description:
For each FMR/income limit area, HUD's very low income limit is set at 50% of the area median income, but then subject to adjustments based on certain exceptions.
This variable is the highest such limit found within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, values are based on HUD's 1995 estimates, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L80 =
Low income limit (average)

Long description:
HUD's low income limit is set at 80% of the area median income, but then subject to adjustments based on certain exceptions. This variable is a population-weighted average of the corresponding limits of FMR/income limit areas within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, averages are based on HUD's 1995 limits, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L80A =
Low income limit (minimum)

Long description:
For each FMR/income limit area, HUD's low income limit is set at 80% of the area median income, but then subject to adjustments based on certain exceptions. This variable is the lowest such limit found within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, values are based on HUD's 1995 estimates, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

L80B =
Low income limit (maximum)

Long description:
For each FMR/income limit area, HUD's low income limit is set at 80% of the area median income, but then subject to adjustments based on certain exceptions.
This variable is the highest such limit found within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, values are based on HUD's 1995 estimates, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

LMED =
Average median income (average)

Long description:
A population-weighted average of HUD's median family income estimates for each FMR/income limit area within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, averages are based on HUD's 1995 limits, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

LMEDA =
Average median income (minimum)

Long description:
The lowest median family income estimate for an FMR/income limit area within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, values are based on HUD's 1995 estimates, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

LMEDB =
Average median income (maximum)

Long description:
The highest median family income estimate for an FMR/income limit area within an AHS area.

Type:	Numeric
Edit flag variable:	None
Allocation Matrix:	None
Topcoded:	No
Module 2002 and earlier:	Separate data file - see note.
Module 2003 and later:	newhouse
Unit of observation:	HOUSEHOLD
Present in survey year(s):	1997N, 1999N, 2001N, 2003N, 2005N, 2007N

Notes:
Prior to 2003, values are based on HUD's 1995 estimates, updated for inflation using the Consumer Price Index. Starting in 2003, they are based on current levels.
Prior to the 2003 National file, income limit data are contained in a separate file available on HUD USER.

Appendix A: About the American Housing Survey

The American Housing Survey (AHS) can be used to answer many questions about housing units and households in the United States. The AHS provides data on apartments, single-family homes, mobile homes, vacant homes, family composition, income, housing and neighborhood quality, housing costs, equipment, fuels, size of housing unit, and recent movers. The survey started in 1973 and has had the same core sample since 1985, which provides a panel data series on homes and household changes over the years.

The national survey is conducted in every odd-numbered year, collecting data from a fixed sample of about 50,000 homes, and adding newly constructed units as well. The metropolitan survey is conducted in even-numbered years, cycling through a set of 41 metropolitan areas, surveying each one about once every six years. A list at the Census Bureau web site, http://www.census.gov/hhes/www/housing/ahs/metrodates.html, shows which areas are covered in each metro survey. In addition, the six largest metropolitan areas are surveyed every four years (1995, 1999, 2003) as a supplement to the national survey.

The U.S. Census Bureau (Census) conducts the surveys in person and by telephone for the U.S. Department of Housing and Urban Development.

Changes in the 2007 AHS

The 2007 AHS includes both the National and Metropolitan samples. There were quite a few new variables added and an equally large number that were dropped from the survey.

New Variables

Nine new variables were added related to household energy uses and six variables were added to address issues of fire safety. One variable was added on home schooling. For each of these variables, edit flag variables were also added.

Several income variables are more differentiated in the 2007 AHS than in earlier surveys. In previous surveys, “Interest, dividends, rental, royalty estates or trusts” was a single line item/variable. This changed in 2007 such that Interest, Dividends and Rental Income are all broken into separate line items/variables. The public support items/variables are similarly differentiated and “other income” now includes royalty estates and more. However, it now also excludes child support, which is now its own item as well.

Variables Deleted

Several variables related to heating sources, electricity, and perceptions of neighborhood crime were dropped in the 2007 survey. The information gathered via these variables was not “lost” in that each of those variables were replaced with more specific questions about public transportation, how one pays for heating and electricity, household income sources neighborhood characteristics. For instance, rather than displaying whether someone in the

household uses public transportation, the AHS now reports on the travel time to the nearest public transportation.

Some outdated or rarely used heating fuel sources were dropped from the survey, such as auxiliary heat sources. These variables are still contained in the codebook but are not present in the 2007 survey.

Changes in the 2005 AHS

There were three major changes in the 2005 AHS:

- A new system for collecting and imputing income data.
- A new sample of manufactured (mobile) homes
- A new sample of assisted living units

In addition, the dataset has these new or changed items:

- Type of manufactured (mobile) housing unit (MOBILTYP).
- Access to units without requiring steps (NOSTEP).
- Whether assistive services are provided to households in multifamily structures (ASSTSERV).
- Whether personal services are provided to households in multifamily structures (PERSERV).
- Revised coding of the same household variable (SAMEHH).
- See the appropriate variable entries for details.

Income

Before 2005, the AHS field representatives (FRs) collected these data from each household:

1. Wage and salary amounts from each family member (SAL).
2. Whether or not any family member received income from a variety of specified non-wage sources (various variables beginning with Q…).
3. The total amount of non-wage income received by family members (VOTHER).
4. The total amount of wage and non-wage income received by non-family members of the household (recorded in SAL, although this included non-wage income).
5. The AHS dataset included two recoded income variables, ZINC (total family income) and ZINC2 (total household income).

Beginning in 2005, the FRs collect these data:

1. Wage and salary amounts from each *person,* including family and non-family household members (SAL).
2. Whether or not each *person* receives income from a variety of specified non-wage sources (variables beginning with PQ…). Note: the organization of the sources has changed as well.

3. The amount of income each *person* receives from each non-wage source. The dataset reports the total non-wage income (PVOTHER).

The dataset still includes ZINC, ZINC2, and VOTHER. A new variable is VOTHER2, total *household* non-wage income.

Because of the new system of collecting income data, the 2005 AHS also implements a new system of imputing missing values for the income variables. This new system uses an upper-triangular regression approach to populating and applying hot deck vectors. Technical details concerning this method will be published in a separate document.

In addition, in previous surveys the practice was to code SAL and VOTHER to missing values if the person or family had no income of the appropriate type. In 2005, these variables are coded as zero. This also applies to the new variable, VOTHER2.

Manufactured (Mobile) Home Sample

The Census Bureau updates the AHS sample every time to include new housing units added to the stock since the previous survey. The updating procedure is known to be less effective in detecting new manufactured housing, particularly those units placed on private lots instead of manufactured housing communities. To compensate for this, the Census Bureau reinforced the 2005 sample by a new sample of manufactured housing, drawn from the 2000 decennial census.

Assisted Living Sample

The definition of a housing unit has been modified in recent years. The earlier definition stipulated that, among other things, the residents of a housing unit had to eat their meals separately from others. This had the effect of excluding units in assisted living communities, where meals are served communally (but which meet the other elements of the definition). In order to pick up older units, which would be included in the new definition but not the old, the AHS drew a sample of likely units from the decennial census. The FRs then gave the selected addresses a preliminary screening to determine if they met the definition of a housing unit. Those that did were added to the AHS sample.

Changes in the 2003 AHS

The two major changes in the 2003 survey are race coding and rebenchmarked weights.

Race

In 2003, multiple race classifications were introduced, allowing respondents to classify themselves in more than one race category, and eliminating the "other" category from the edit of the answer category.

Persons were asked to self-identify race by choosing one or more of six race categories:

- White
- Black or African American
- American Indian and Alaska Native
- Asian
- Native Hawaiian and Other Pacific Islander
- Some Other Race (this category is not read or displayed to respondents)

The 2003 American Housing Survey uses the complete Current Population Survey persons' edits, placing respondents in one of 21 possible race categories (see HHRACE or RACE). These edits do not allow "other" entries in race, but allocate one of the five specified response categories to those people reporting "other" race.

Previously many Hispanic householders (about 30 percent in 2001) stated that they were "other race," and 78 percent of the "other" race householders in 2001 were Hispanic. In 2003, although people may have reported themselves as "other" race, the edits allocated them to a different race category. So while over 7,000 people (6,100 of whom were Hispanic), said they were "other" race, the edits assigned a category of "white only" to 92 percent of the Hispanics who had reported "other race." This ratio corresponds to the responses of Hispanics who do report a race category.

Weighting

In 2003, the independent estimates (control totals) used to produce the weights are based on the Census 2000 with an estimate of change since then. This 2000-based weighting produces, on average, estimates that are about 1.0 percent lower then 1990-based weighting.

The 2003 AHS estimates are not available using 1990-based weighting. For comparative purposes 2001 data were produced using 2000-based weighting (the original data used 1990-based weighting). As can be seen in the table below, the switch from 1990-based to 2000-based weighting produced a 1.0 percent lower estimate for 2001 at the United States level. The effect of the weighting change ranged from a 2 percent drop in the West to 2 tenths of a percent increase in the Northeast.

Detailed 2001 AHS data using 2000-based weighting are available from the Housing and Household Economic Statistics Division, U. S. Census Bureau, Washington, DC, 20233-8500 (301-763-3235).

Table: Total Housing Units in 2001 from the American Housing Survey Using 1990-based and 2000-based Weighting

Area	2000-based weighting (revised)	1990-based weighting (as published)	Difference	Percent Difference
United States	118,196,000	119,117,000	-921,000	-1.0
Northeast	22,382,000	22,347,000	35,000	0.2
Midwest	27,396,000	27,748,000	-352,000	-1.3
South	43,466,000	43,571,000	-105,000	-0.2
West	24,953,000	25,450,000	-497,000	-2.0

Changes in the 2001 AHS

Several changes were made in the 2001 AHS data file that are reflected in the codebook.

The 2001 AHS data includes new variables containing information from the regarding mortgages, lines of credit, citizenship, nationality, and country of birth.

Data at the household level of observation from three files—household, toppf, and weight—has been merged to one new file—newhouse. In addition, information for the head of the household from the person level has also been included. This consolidation enables users to study household level data more extensively without having to merge files. The codebook lists both modules. The "file flattening program" has been updated to work with this change.

In December 2002, HUD and Census released a new dataset in order to add a variable, WGT90GEO. The new variable is an *alternative* weight for AHS records. This new weight is adjusted for 1990 metropolitan geography, as opposed to the standard weight, which is based on 1980 geography. This new weight is provided to allow matching to the printed reports. Both weights sum to national control totals for total units for 2001. Totals for all units will match when computed with both sets of weights, although occupied unit totals and any breakdown do not match. Additional information on how to use the new weight is described in the beginning of the chapter on Sample status, weighs, interview status.

Evolution of AHS in 1997 and later

Note: This information summarizes text included in the Documentation of Changes in the 1997 American Housing Survey available on the HUD USER (http://www.huduser.org/) Web site.

Data Collection

In 1997, the Census Bureau changed from the existing survey process to a paperless system. This new system – Computer Assisted Personal Interviewing (CAPI) – was implemented to accomplish a number of goals. First, the system was intended to make the interviewing process faster and more accurate. The pattern of questions posed to respondents is no longer left up to the interviewer with CAPI; the computer now makes those determinations. CAPI automatically follows the question skip pattern, thus speeding up the interview and ensuring that respondents are asked the proper questions. Second, the conversion was intended to reduce costs and speed the release of data to the public. The information is entered directly into the system, so it is no longer necessary to enter data from the paper survey .. This process also reduces the introduction of errors that generally occur during the data entry process. Finally, CAPI was also implemented in an effort to reduce the burden on respondents with some questions asked only once and then verified in later years. This process is only used for variables thought to be fairly constant over time. This technique, also known as "dependent interviewing," can lead to significantly faster interviews and additional data reliability in the future. This technique was partially introduced in 1997 and fully implemented in 1999.

New Data Processing Structure

Along with new data entry procedures, the AHS data are now manipulated and processed using a completely new set of software. In years prior to 1997, Census manipulated the data using custom FORTRAN programs developed internally, running on a UNISYS mainframe. In 1997, Census moved the entire processing of the AHS into SAS running on SUN Microsystems workstations. This change to SAS necessitated redesigning the processing system and writing new programs to produce the tables in the printed report. As part of the conversion, Census designed their programs to take advantage of some of the special features and functions available in SAS, which in turn led to changes in variable codes.

New Data Structure

Following the changes in data entry and processing, the Census Bureau took advantage of the flexibility of the SAS software to generate the output data files in a new format. Prior to 1997, the public use file (PUF) of the AHS was a single text (ASCII) file with a “flat” data structure. In such a file, each housing unit’s information is contained on a single logical record. The file has a set number of characters for each observation with each variable having a fixed location in the file. This file format that had been established many years ago, however, and was not Year 2000 (Y2K) compliant – all variables containing years were allocated only two digits rather than the four digits required. In the process of changing the data structure to make the data file Y2K compliant, Census took advantage of the opportunity to enhance the data format in other ways as well.

The “raw state” of the AHS data in 1997 and 1999 was a collection of 10 files, each containing data in a different format or layout. In the 2001 survey, the Census Bureau combined contents of the weight, toppuf, and househld files into a new file, called newhouse. Now, all of the household level observations are in the same file. Each record type corresponds to one or more module(s) in the data collection instrument or processing. This new file format removes the issue of fixed variable lengths and allows for a wider range of values. In addition, the new file format corresponds to the actual data collection process. The 2001 files are:

Modules 2001	Modules 1997, 1998 Metro, and 1999
• HOMIMP – questions about upgrades and remodeling	• HOMIMP – questions about upgrades and remodeling
• JTW – journey to work or commuting information	• JTW – journey to work or commuting information
• MORTG – mortgage information	• MORTG – mortgage information
• NEWHOUSE – Household-level information, data recodes, unit characteristics, and weighting information, 2001 data only	• HOUSEHLD – household level information (on internal Census data, this file is called "houshld") • TOPPUF – general unit characteristics and data recodes • WEIGHT – weighting information
• OWNER – questions just for owners of rental properties	• OWNER – questions just for owners of rental properties
• PERSON – individual person level information	• PERSON – individual person level information
• RATIOV – verification of income to cost when the ratio of income to cost is outside of certain tolerances.	• RATIOV – verification of income to cost when the ratio of income to cost is outside of certain tolerances. (Note: This file is present beginning with the 1998 AHS metro sample. This file is not present in 1997.)
• RMOV – recent mover information	• RMOV – recent mover information

At first, the files were available only in an SAS format. Later, HUD created ASCII (text) versions of the files and made them available to users. The ASCII files are not a Census Bureau product. The ASCII versions have the same multi-file layout as the SAS versions, but differ in the coding of missing values.

The general structure of the collection of files in 1997 and later are different from the 1995 file structure and earlier versions. The files in 1997 and later are more analogous to a relational database so that it is **not** possible to simply merge the files together to create the flat file. Each file is based on the unit of observation for that file. A file, for example, on the housing unit structure has one observation for each housing unit while the file on people living in the housing unit has one observation for each person in the household (and so if there are multiple persons in the household, there will be multiple observations). As a result, the files have different numbers of observations depending on base unit of observation.

Users can use the raw information in its current state, develop their own programs to read the data in and convert it, or convert the data into a format that is similar to the older format. ICF Consulting has also developed a conversion program that combines the different data files into a flat-file format that is similar to that of the 1995 dataset. The final format is a SAS dataset with a similar structure to the original flat file with each observation equal to one housing unit. That program can be found on the HUD USER Web site under the links for AHS data. The program is also included in the distribution of the data in SAS format from the HUD USER Web site. Currently, the conversion program is written in SAS and works only in SAS. AHS users not using SAS will need to convert the programs to the system they are using or use a program

developed by another AHS user. The AHS electronic mailing list exists, in part, to facilitate such exchanges. The Census Bureau and HUD do not officially support the flat file format. Further discussion on this topic can be found under “Discussion of the File Flattening Program.”

Missing values

One of the changes in the 1997 AHS is the coding of missing values. Previously, missing values were general coded as all 9’s, and then counting down by one from there. For example, 9999=Not applicable, 9998=Not answered, etc. There were generally only two possible values. One of the improvements in 1997 is the ability to distinguish among a variety of reasons for missing values.

The 1997 AHS changed the coding of missing values by taking advantage of the SAS missing value functions. Analogous missing values are also present in the ASCII version of the microdata.

In the SAS data files, the missing values are as follows:

B = Not applicable
D = Don’t Know
R = Refused
Blank or **.** = Not reported

When the range of valid values contains two or more digits *or* the largest valid value is greater or equal to 6, then the equivalent in the ASCII text version of the data are:

-9 = Not applicable
-8 = Refused
-7 = Don’t Know
-6 or Blank = Not reported

Otherwise, when the valid values for a variable only has one digit *and* the largest valid value is less than six, then the coding for missing variables is:

9 = Not applicable
8 = Refused
7 = Don’t Know
6 or Blank = Not reported

This change in the coding of missing values means that programs developed to use previous years of AHS data may need to be revised to run properly and accurately. If programs are not adapted, the program may crash, report errors, or produce erroneous results.

Topcoding and Other Confidentiality Measures

Extreme high or low values for a characteristic may be able to be linked to an individual household, and so in a limited number of circumstances, the Census Bureau modifies the public

use microdata to reduce the possibility of identification. As a result, a number of the variables on the AHS public use microdata files are topcoded and/or bottomcoded to preserve the survey respondent's confidentiality. "Topcoding" refers to adjusting the values at the upper end of a distribution (above a certain threshold) while "bottomcoding" refers to adjusting the values at the bottom end of a distribution.

Note: When producing the AHS printed reports, the Census Bureau uses data that has not been topcoded. As a result, for items involving topcoded variables it may not be possible to replicate the printed report results exactly.

Currently, variables are topcoded in a number of different ways. The threshold used for changing values and the substituted new values vary depending on the variable. These could include: 97th percentile, 99.5th percentile, or a predetermined value. In different years, different topcoding levels may be used depending on the characteristics of the data. Some variables are topcoded using the topcode of a different variable. For each variable, the codebook notes whether or not variables are topcoded, and also notes which method was used.

In general, for data for 2001 and later, all values above a variable's topcode threshold percentile were replaced with the mean of all values above this threshold percentile. Exceptions are explained in the *Notes* section for each variable that is topcoded differently. In contrast, in 1997 to 1999, all values above a variable's topcode threshold percentile were replaced with the greater of either the threshold percentile or the highest topcoded values for 1985 and later years.

The topcodes are calculated differently for the AHS-National and the AHS-Metropolitan surveys. The topcodes are calculated using the entire data file for the AHS-National except where noted below. In the AHS-Metropolitan survey, the topcodes are calculated uniquely for each MSA that is enumerated in the survey year.

Other notes about the topcoding/bottomcoding operation

1. <u>Number of cases used to compute the mean for the topcodes</u>
   The Census Bureau's Disclosure Review Board's policy is that there must be at least three cases included in the calculation of this mean. It is not unusual in the AHS surveys, particularly in the AHS-Metropolitan survey, for a variable's universe of cases to be so small that there is not a minimum of three cases greater than or equal to the topcode predetermined or calculated for that variable. In these instances, the value of the topcode is lowered until there are at least three cases that can be included in the calculation of the mean. In the rare instances where there are not three eligible cases in the entire universe for a variable, no topcode is used at all. In the AHS-Metropolitan survey, there are occasions where a variable may have a large enough universe to obtain at least three cases for the mean in some MSAs, but not in others. When this happens, the topcode and its related mean are calculated across all MSAs enumerated in that survey year.

2. <u>Longitudinal topcodes</u>
   Topcodes for variables that describe the physical characteristics of housing units that are not likely to change very much over time are compared to topcodes used in previous

enumerations of the AHS survey. The larger of the topcode calculated in the current survey year and the largest topcode ever used in a previous survey year is the topcode that will be used for the current survey year. The variables that fall into this category are: CLIMB, FLOORS, LOT, NUNITS, and UNITSF.

3. Special topcoding of mortgage data
The Disclosure Review Board decided that the following variables must not sum to more than the topcode for the variable VALUE: AMMORT, AMMRT2, AMMRT3, AMMRT4, HEBAM1, HEBAM2, HEBAM3, HECR1, HECR2, HECR3. If the sum of these variables does exceed the topcode for VALUE, the variables are changed to ensure the sum is less than or equal to the topcode for VALUE.

Other Confidentiality Measures Used

In addition to topcoding and bottomcoding variables, a number of other variables on the public use microdata file are reviewed and possibly changed to protect the respondent's confidentiality. The Census Bureau requires that no geographic areas in a sample survey containing less than 100,000 in population be identified on a public use microdata file. The AHS public use microdata files contain a number of geographic variables. The Census Bureau take steps to ensure that no combination of these geographic variables will identify an area with a population less than 100,000 by either suppressing or changing the values of one or more of these variables. Likewise, steps are taken to eliminate rare events that could allow a respondent to be identified. Details documenting the variables affected are described next.

Geographic variables changed and/or suppressed to comply with the 100,000 population rule

These variables are changed and/or suppressed in the AHS-National survey:

- CMSA
- DEGREE
- METRO3
- SMSA

These variables are changed and/or suppressed in the AHS-Metropolitan survey:

- COUNTY
- LONGIT
- METRO
- PSUDOTCT
- STATE

Appendix B: Definitions

The definitions are alphabetized by the titles used in summary tables. Some cross references are provided, and if a specific topic is not located, try related topics. The definitions apply to summary tables, and also to the computer files (“microdata"), unless they are marked “not applicable."

Adults and single children under 18 years old. See “Household composition."

Age of householder. The classification refers to the age reported for the householder as of that person's last birthday.

Age of other residential buildings within 300 feet. The respondent was asked to describe the age of other residential buildings within 300 feet of the sample unit. The responses were then classified as: “Older," “Newer," “About the same," or “Very mixed." “Very mixed" indicates that the ages vary. If there are no other residential buildings within 300 feet, “No other residential buildings" is marked.

Amenities. See “Selected amenities."

Amount of savings and investments. These data are collected only for families and primary individuals with total incomes of $25,000 per year or less, to indicate how many have substantial assets in spite of their low incomes. Savings include savings in a bank, other financial institution, or money market account. Other investments include stocks, bonds, rental properties, second homes, real estate, antiques, art, certificates of deposit, IRA or KEOGH accounts, and commodities. Investments exclude the primary residence and its furnishings, and cars.

Annual taxes paid per $1,000 value.

Books. Real estate taxes paid per $1,000 value of the house (and lot, except on mobile homes) are presented. Medians for taxes per $1,000 value are rounded to the nearest dollar.

Microdata. Not applicable, can be calculated from taxes and value.

Bars on windows of buildings. The respondent was asked if any of the buildings within 300 feet of the sample unit have metal bars on the windows. The condition of the windows has no bearing on this item. The windows might be in perfect condition, but the bars might be there to protect against vandalism. Windows that are boarded up or covered with metal sheeting are not included.

Bathrooms. See “Complete bathrooms."

Bedrooms. The number of bedrooms in the housing unit is the count of rooms used mainly for sleeping, even if they also are used for other purposes. Rooms reserved for sleeping, such as

guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping or designed as bedrooms, such as a living room with a hideaway bed or a den or sewing room, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified by definition as having no bedroom.

Bodies of water within 300 feet. These questions determine the proximity of the respondent's property to bodies of water such as ponds, lakes, rivers, or ocean. Swimming pools and temporary pools of water are not included in this definition. The respondent was also asked if the property is waterfront property and whether the property is on a flood plain.

Building and ground maintenance. Renters were asked their level of satisfaction with the maintenance of the grounds and building in which they live. The responses could be “completely satisfied," “partly satisfied," “dissatisfied," or “landlord not responsible for ground maintenance."

Building neighbor noise. Respondents in multiunit buildings were asked about noise heard through floors, walls, or ceilings of their units. Respondents were also asked about the frequency of noise. The survey also asked the respondents' opinions of the loudness of noise as well as whether it was bothersome or not bothersome.

Buildings. See “Bars on windows of buildings," “Common stairways," “External building conditions," “Year structure built."

Business. See “Income," “Other activities on property," “Rooms."

Cars and trucks available. Included are passenger cars and station wagons owned or regularly used by one or more household members and ordinarily kept at home. Company cars are counted (if used regularly for nonbusiness purposes and kept at home), as are taxicabs (if they are owned by a household member and kept at home). The total number of vehicles is not published, since cars are counted separately from “trucks or vans." In the books, to obtain a count of all units lacking cars specifically, the lines “no cars, trucks, or vans" and “other households without cars" must be added together.

Included are pickups and small panel trucks of one-ton capacity or less, and small vans that are owned or regularly used by one or more members of the household and ordinarily kept at home. Company trucks and vans are included if used regularly for nonbusiness purposes and kept at home. To obtain a count of all units lacking trucks or vans, the lines “no cars, trucks, or vans" and “with cars, no trucks or vans" must be added together.

Except for units falling in the category “no cars, trucks, or vans," all units will fall into two categories. For example, a unit with one car only would fall both in the category “1 car with or without trucks or vans" and “with cars, no trucks or vans."

Census. See “Comparability with Census of Population and Housing data in 1990."

Central cities.
National books and microdata. Since 1985, the National AHS has used the official list of central cities published on June 27, 1983, by the Office of Management and Budget as *OMB Bulletin 83-20.* That list was developed from definitions published January 3, 1980, in the *Federal Register, Volume 45, pages 956-963.* AHS still uses these 1983 boundaries to measure change consistently over time.

Books and microdata. Most metropolitan statistical areas had at least one central city, which was usually its largest city. In addition, any city with at least 250,000 population or at least 100,000 people working within its corporate limits qualified as a central city. Smaller cities were also identified as central cities if they had at least 25,000 population and (1) had at least 75 jobs for each 100 residents who were employed, and (2) 60 percent or fewer of the city's resident workers commuted to jobs outside the city. Finally, in certain smaller metropolitan statistical areas, there were places with between 15,000 and 25,000 population that also qualified as central cities, because they were at least one-third the size of the metropolitan statistical area's largest city and met the two commuting requirements. See also “Places" and “Urban and rural residence."

Change in housing costs. Housing costs include mortgage and rent payment, real estate taxes, insurance, upkeep of place, utilities, homeowner membership fees, land rent, and mobile home park fees. For the householder and those who moved with the householder (from the same place at the same time), comparison is made of the share paid in the previous unit with the share paid in the present residence. The wording in the questionnaire is “their share, if not whole household," so there may be some ambiguity for someone who used to pay 50 percent of $100 and now pays 50 percent of $600, but this is intended to count as increased rent.

Choice of present home and home search. These data are shown for units where the respondent moved during the 12 months prior to the interview. The respondent was asked a three-part question on choice of present home: (1) whether the respondent looked at both houses/mobile homes and apartments; (2) the reasons the respondent chose the present house or apartment; and (3) the main reason the present house or apartment was chosen. The distribution for choice of present home may not add to the total, because the respondent was not limited to one response. See “Reasons for leaving previous unit."

Choice of present neighborhood and neighborhood search. These data are shown for units where the respondent moved during the past year. The respondent was asked a three-part question on choice of present neighborhood: (1) whether the respondent looked for a house/apartment in any other neighborhood; (2) the reasons the respondent chose the present neighborhood; and (3) the main reason the present neighborhood was chosen. The distribution for choice of present neighborhood may not add to the total, because the respondent was not limited to one response.

Common stairways. Common stairways are usually used by the occupants and guests to get to the doors of the unit. They may be either inside the structure or attached to the outside of the building. The statistics on common stairways are presented for multiunit structures with two or more floors and common stairways. The figures reflect the physical condition of the stairway: the presence of loose, broken, or missing steps or stair railings.

Commuting. See “Journey to work" and “Neighborhood conditions and neighborhood services."

Comparability with Census of Population and Housing data in 1990. The concepts and definitions are largely the same for items that appear in the *1990 Census of Population and Housing* with the following main exceptions.

In the AHS, recent movers are householders that moved into their unit during the 12 months prior to the interview. In the 1990 Census of Housing, mover households were those that moved between January 1, 1989, and March 31, 1989, a period of 15 months or less.

In the AHS, units are classified as new construction if the unit was constructed 4 years or less from the date of the interview. In the 1990 census, units are classified as new construction if constructed in 1985 through 1990.

Data on poverty level in the 1990 census do not contain the income of household members unrelated to the householder. In the AHS, data on poverty level include the income of all household members whether or not they are related to the householder (see “Poverty status").

Income data in the AHS are based on income for the 12 months prior to interview for those household members 16 years and older. The 1990 census income data are for calendar year 1989 and for income of household members 15 years and older.

Differences between the AHS data and the 1990 census also may be attributed to the method of data collection (mailed questionnaires in the census, personal and telephone interviews in the AHS); differences in processing procedures and sample designs; the sampling variability associated with the sample data from both the AHS and the census; and the nonsampling errors associated with the survey estimates and the census data.

A variety of data on mortgages and owner-occupied properties are presented in the Residential Finance Survey, a specialized study done as part of the 1990 census. Differences include the fact that the basic unit of tabulation in the AHS is the housing unit, and in Residential Finance publications it is the property. Also, all the data in the AHS are provided by the occupant; in Residential Finance publications, mortgage is reconciled with responses from the lender.

Comparability with Current Construction Reports from the Survey of Construction. The U.S. Census Bureau issues several publications under the series title, *Current Construction Reports.* The data for these reports are primarily from the Survey of Construction.

The major difference with the AHS is that the Survey of Construction shows counts and characteristics of housing units in various stages of construction through completion. The AHS shows only counts and characteristics of completed housing. Additional differences may be attributed to factors such as the sampling variability and nonsampling errors of the data from the two surveys, survey procedures and techniques, and processing procedures.

Complete bathrooms. A housing unit is classified as having a complete bathroom if it has a room or adjoining areas with a flush toilet, bathtub or shower, a sink, and hot and cold piped water. A half bathroom has hot and cold piped water and either a flush toilet or a bathtub or shower, but does not have all the facilities for a complete bathroom.

Conditions of streets. The respondent was asked if any of the streets within 300 feet of the sample unit needed major repairs. Major repairs needed include large potholes, badly crumbling or deteriorating shoulders and roadsides, and deep ruts. Minor repairs include small cracks, shallow holes, or missing minor surfacing.

Condominium and cooperative fee. A condominium fee is charged to the owners of the individual condominium unit on a regular basis. The fee covers any operating and maintenance costs of the common property; for example, halls, lobby, parking areas, laundry room, swimming pool, as well as related administrative costs, such as utilities billed communally and management fees.

A cooperative maintenance fee (also called carrying charge) is a fee charged to the owners of the cooperative on a regular basis. It covers a share of the annual amount paid by the cooperative for real estate taxes, mortgage interest, and operating cost. In the books, medians for condominium fees and cooperative fees are rounded to the nearest dollar.

Consolidated metropolitan statistical areas. A consolidated metropolitan statistical area (CMSA) is made up of at least two primary metropolitan statistical areas. The microdata identify specific CMSAs. See Metropolitan areas.

Construction. See “Comparability with Current Construction Reports from the Survey of Construction" and “ Year structure built."

Cooling degree days. See “Heating and cooling degree days."

Cooperatives and condominiums. A cooperative is a type of ownership whereby a group of housing units is owned by a corporation of member-owners. Each individual member is entitled to occupy or rent out an individual housing unit and is a shareholder in the corporation that owns the property, but does not own the unit directly. The corporation may have a mortgage on the whole group of units. The member may have a loan or mortgage to buy his or her shares in the corporation.

A condominium is a type of ownership that enables a person to own an apartment or house directly in a project of similarly owned units. The owner's name is on the deed, and the owner may have a mortgage on the unit occupied. The owner also may hold common or joint ownership in some or all common areas such as grounds, hallways, entrances, and elevators. Cooperative or condominium ownership may apply to various types of structures such as single-family houses, rowhouses, and townhouses, as well as apartment units.

Cost and ownership sharing. This item is restricted to owner-occupied housing units. Shared ownership is two or more names on a deed or title. Shared costs include only payments designated for mortgage or utility costs (not taxes or insurance), whether paid directly to a mortgage or utility company, or to household members. Not living here means that one of the people sharing the ownership or costs is not a household member.

Cost. See “Annual taxes paid per $1,000 value," “Change in housing costs," “Real estate taxes," “Monthly housing costs," “Other housing costs per month," “Mortgages currently on property."

Crime. See Neighborhood crime, a subtopic under: “Neighborhood conditions and neighborhood services."

Crop sales.
National microdata. Data on sales of $1,000 or more of agricultural products during the 12-month period prior to the interview were collected in rural areas.

Metropolitan microdata. Not applicable.

Current income. Upon completion of the detailed income questions, respondents were asked, “Is your total family income THIS MONTH about the same as it was a year ago?" “About the same" was defined as within 10 percent, or just cost of living adjustments. If the respondent answered “no," a second question was asked, “What do you expect your total family income to be in the NEXT 12 MONTHS?"

Current income for families and primary individuals whose most recent month's income was NOT about the same as a year ago is the “total expected family income in the NEXT 12 MONTHS." The majority of respondents answered “about the same," and their current income is therefore defined as the total income of the family and primary individual in the past year.

Current income is not published separately. It is used in the calculation of “Ratio of value to current income," and “Monthly housing costs as percent of current income." It is felt that respondents who recently entered the job market, retired, changed jobs, or moved often had a previous year's income that is too low or high to compare to housing costs.

Current interest rate. This item refers to the annual percentage rate in effect as of the date of the interview, not the rate when the mortgage was made, nor any imminent changes of which the respondent may be aware. In the books, medians for current interest rate are rounded to the nearest tenth of a percent.

Current total loan as percent of value.
Books. This percentage is computed by dividing the outstanding principal amount by the value of the housing unit. Medians for loan as a percent of value are rounded to the nearest tenth of a percent.

Microdata. Not applicable.

Dependent interviewing. Dependent interviewing is the process by which data from surveys conducted in previous years are used instead of, in addition to, or to verify data collected during the current interview. The first use of dependent interviewing in AHS was for the item “Year structure built" in the year 1984.

Description of area within 300 feet. The respondent was asked to describe the area within a half block (defined as within 300 feet) of the sample unit. The categories include: single-family

detached houses, single-family attached houses or low-rise (1-3 story) multiunit buildings, mid-rise (4-6 story) multiunit buildings, high-rise (7-or-more story) multiunit buildings, and mobile homes.
The category “Commercial and institutional; industrial buildings or factories" includes all varieties of nonresidential structures--offices, banks, hospitals, prisons, pumping stations, water treatment plants, factories, parking garages, churches, hotels, restaurants, barns, and junk yards.

“Residential parking lots" exclude driveways of single-family homes and parking garages where parking is on more than one level. “Body of water" refers to categories such as lakes, ponds, streams, reservoirs, and rivers. Swimming pools and temporary pools of water are excluded.

“Open space, park, woods, farm, or ranch" include cemeteries, golf courses, woods, forest preserves, vacant lots, undeveloped land, airport land, ball fields, and school fields.

Down payment. See “Major source of down payment."

Educational attainment. Data on educational attainment are derived from a question that asks, “What is the highest level of school ... completed or the highest degree ... has received?" The question on educational attainment applied only to progress in “regular" schools. Regular schools include public, private, and parochial elementary and high schools (both junior and senior), colleges, universities, professional, vocational, trade, and business schools. Schooling in other than regular schools is counted only if the credits obtained are regarded as transferable in the regular school system.

The category “high school graduate" included people who received either a high school diploma or the equivalent; for example, passed the Test of General Educational Development \[GED\] and did not attend college. The category “Associate degree" includes people whose highest degree is an associate degree in (1) an occupational program that prepares them for a specific occupation, and the course work may or may not be creditable toward a bachelor's degree or (2) an academic program primarily in the arts and sciences, and the course work is transferable to a bachelor's degree. Some examples of professional degrees include medicine, dentistry, pharmacy, and law.

In the books, to obtain the total number of householders who are high school graduates, add 1) high school graduates (includes equivalency), 2) graduates with some college, no degree, 3) with an associate degree, 4) with a bachelor's degree, and 5) with a graduate degree. To obtain the total number of householder graduates with a bachelor's degree, add (1) with a bachelor's degree and (2) with a graduate or professional degree. The microdata have similar information on other household members aged 14 years and older. See also “Neighborhood conditions and neighborhood services."

Elderly.
Books. Data for elderly include all households with householders aged 65 years and older. Note that this definition is narrower than in Department of Housing and Urban Development housing programs, which count as elderly all households where the householder or spouse is 62 or older, or has a disability.

Microdata. Not applicable; data can be classified at any age.

Electric fuses and circuit breakers. These statistics are presented for occupied housing units. The data show whether an electric fuse has blown or circuit breaker has tripped in the home in the 3 months prior to the interview, or while the household was living in the unit if less than 3 months. A blown fuse or tripped breaker switch results in the temporary loss of electricity until the fuse is replaced or the breaker switch reset. Blown fuses inside major pieces of installed equipment (such as some air conditioners) are counted as blown fuses or tripped breaker switches. The item may identify inadequate wiring, but it also happens commonly when people move into houses and are unfamiliar with which items can be turned on at the same time.

Electricity. See “Monthly costs for electricity and gas."

Elevator on floor. Statistics are shown for housing units in structures with two or more floors that have one or more passenger elevators in working condition on the same floor as the sample unit. Elevators used only for freight are excluded.

Equipment. This item refers to selected equipment that is not shared with other households. Refrigerators, burners, ovens and disposals are counted only if they are in working order or the household plans to have them repaired or replaced soon.

Complete kitchen facilities. A housing unit has complete kitchen facilities when it has all of the following: (1) kitchen sink; (2) burners, cook stove, or microwave oven; and (3) refrigerator. These terms are further defined below.

The same criteria are used for occupied and vacant units in determining complete kitchen facilities. In some areas of the country it is common for the occupant to bring a refrigerator. In these cases the vacant unit, lacking a refrigerator, has an incomplete kitchen.

Kitchen sink. Only a sink in the unit or on an enclosed porch is counted, but it does not matter whether it is in the kitchen. However a bathroom sink does not count as a kitchen sink.

Refrigerator. It may or may not have a freezer. Kerosene refrigerators are counted, but not ice boxes.

Microwave oven. Data for microwave ovens were collected only if the respondent did not report having a cooking stove with oven, or burners. Prior to 1997, the data collected included all types of ovens except toaster ovens.

Burners. Data for burners were collected only if the respondent did not report having a cooking stove with oven. Burners built into a stove or counter top are counted, as are burners in a wood-burning stove.

Cooking stove. The cookstove can be mechanical or wood-burning.

Dishwasher. Counter top dishwashers are not counted.

Washing machine. Any kind with a motor is counted.

Clothes dryer. Only clothes dryers with motors are counted, not hand-operated wringers or hand-turned spin dryers.

Disposal in sink. A disposal is a motorized device that grinds waste so it can flow through the waste water pipe.

Trash compactor. Only built-in motorized trash compactors are counted.

Air conditioning. Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers that are not connected to a refrigeration unit. A room air-conditioning unit is an individual air conditioner that is installed in a window or an outside wall and generally intended to cool one room, although it may sometimes be used to cool several rooms. A central system is a central installation that air conditions the entire housing unit or major portions of it. In an apartment building, a central system may cool all apartments in the building; each apartment may have its own central system; or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system.

External building conditions. The external condition of the building that contains the sample unit was determined by direct questions asked of the respondent. The categories were grouped into the following: roof, walls, windows, and foundation.

Roof. A “sagging roof" is a critical defect indicating continuous neglect, or deep or serious damage to the structure. Only roofs with substantial sagging were included. “Missing roofing material" includes rotted, broken, loose or missing shingles, tiles, slate, shake, and tin, caused by extensive damage from fire, storm, or serious neglect. “Hole in roof" occurs when the missing roof materials expose the interior of the unit directly to weather. Holes caused by construction activity were not counted unless the construction had been abandoned.

Walls. “Missing bricks, siding, other outside wall material" applies to the exterior wall (including chimney) of the structure. Those defects may have been caused by storm, fire, flood, extensive neglect, vandalism, and so forth. Materials may include clapboard siding, shingles, boards, brick, concrete, and stucco. The missing materials do not necessarily expose the interior of the unit directly to weather. Missing materials resulting from construction activity were not counted unless construction had been abandoned. “Sloping outside walls" is a critical defect indicating continuous neglect or serious damage to the structure. Only walls with substantial sagging were included.

Windows. “Boarded-up windows" have been sealed off to protect against weather or entry and include windows and/or doors covered by board, brick, metal, or some other material. “Broken windows" indicate several broken or missing window panes. “Bars on windows" are to protect against unlawful entry. The condition of the windows has no bearing on this item. The bars can be vertical, horizontal, or a metal grating. Windows completely covered with metal sheeting are not included in this category.

Foundation crumbling or has open crack or hole. This category includes large cracks, holes, and rotted, loose, or missing foundation material.

Extra unit. Extra units include units classified as usual residence elsewhere (URE), vacant units designated as occasional use, and seasonal units (excluding migratory). A series of four questions was asked concerning these units.

Reasons for extra unit owned. The following designations for the reason the unit was owned:

- Previous usual residence--never sold the unit after moving from the unit into a new permanent residence
- Recreational purposes--used for vacations, weekends, sports, and holidays, but is not anyone's usual residence
- Current investment purposes--kept currently for investment purposes regardless of why it was obtained originally
- Wishes to sell the property but has not been able to yet--the owner is currently attempting to sell the unit but has not been successful yet
- Inherited--received as an inheritance in the settling of an estate
- Some other reason--used if none of the other designations applied

Location of extra unit. Designates how close the unit is to the owner's current residence.

Nights owner spent at extra unit. Indicates how often the extra unit was used by the owner.

Nights owner rented extra unit. Determines how often the extra unit was used by people other than the owner.

Family or primary individual. While any occupant of a housing unit is called a household member, each household includes either (a) a family, which is the householder and all (one or more) other people living in the same household who are related to the householder by blood, marriage, or adoption, o*r (b) a primary individual*, which is a householder who lives alone or with nonrelatives only. In any case the household also may include one or more roommates, lodgers, servants, or other people unrelated to the householder. These are considered members of the household but not of the family.

Married couples related to the householder of a family are included in the family and are not considered as separate families unless they reside in separate living quarters. While they are part of the family, they are also usually a subfamily (see Persons other than spouse or children).

By definition, families include the householder and at least one relative, so in the statistics on household composition, families are always included in the various categories of two-or-more-person households. Primary individuals with nonrelatives living with them also are tabulated as two-or-more-person households. Primary individuals living alone are tabulated as one-person households.

The definition of families and primary individuals is significant in that some income items are collected only for the family or primary individual; these are: source of income, current income, food stamps, savings and investments. (Source of income and amount of wages are, in fact, only for family members 16 years and older.) For other household members 16 years and older, who are not related to the householder, total income is collected for each person, but sources and current changes in income are not identified, and their income is not included in

comparisons with monthly housing costs or value. The distinction is meant to approximate whose income may be available for housing and other shared living expenses. However it is imperfect in the case of roommates who share more or less equally. See also “Household composition."

Farm. See “Crop sales."

First-time owners. If neither the owner nor any co-owner have ever owned or co-owned another home as a usual residence then the housing unit was reported as the first home ever owned. Previous homes purchased solely as vacation homes or homes purchased for commercial rental purposes are not considered usual residences. However, if a previously owned home was originally purchased as a usual residence and later used as a vacation home or for commercial or rental purposes, the owner is not a first-time owner.

Flush toilet and flush toilet breakdowns. A privy or chemical toilet is not considered a flush toilet. Flush toilets outside the unit were not counted. The statistics on breakdowns of flush toilet are shown for housing units with at least one flush toilet for the household's use only. The flush toilet may be completely unusable because of a faulty flushing mechanism, broken pipes, stopped up sewer pipe, lack of water supplied to the flush toilet, or some other reason. For households with more than one toilet, the question asked about times when all toilets were unusable.

Food stamps. These data are restricted to families and primary individuals with total incomes of $25,000 per year or less. Housing units are counted in these data if the householder or any relative currently living in the unit received food stamps in the past year, even at another address. Food stamps are government issued coupons that can be used to purchase food. The food stamp program is a joint federal-state program that is administered by the U.S. Department of Agriculture, state and local governments.

Foundation. This item is restricted to one-unit buildings and excludes mobile homes. A structure has a basement if there is enclosed space at least partially underground in which a person can walk upright under all or part of the building. The basement is under all the building if it is under the entire main structure, excluding garages, carports, and porches. Crawl space is space between the ground and the first floor of the house, but it is not high enough for a person to walk upright. A house is built on a concrete slab if it is built on concrete that has been poured on the ground. The “other" category refers to a house built on stilts or pilings (for example, beach houses), boats, and motor homes.

Fuels. Electricity may be supplied by above- or underground electric power lines or generated at the housing unit. Piped gas is gas piped through underground pipes from a central system to serve the neighborhood. Bottled gas is pressurized gas stored in tanks or bottles that are filled or exchanged when empty. Fuel oil is heating oil normally supplied by truck to a storage tank for use by the heating system. Kerosene or other liquid fuel includes kerosene, gasoline, alcohol, and other similar combustible liquids. Coal or coke is usually delivered by truck. Wood refers to the use of wood or wood charcoal as a fuel. Solar energy refers to the use of energy available from sunlight as a heating fuel source. Other includes briquettes made of pitch and sawdust, coal dust, waste material like corncobs, purchased steam, or any other fuel not listed.

Fuels, other house heating. These are the same types of fuels mentioned above but use in addition and/or supplementing the main house heating fuel.

Gas. See “Monthly cost for electricity and gas."

Group quarters. See “Housing units."

Halls. See “Light fixtures in public halls."

Heating and cooling degree days.

National books and microdata. Each degree that the average temperature for a day is below 65 degrees Fahrenheit produces one *heating degree day (HDD).* For example, if the maximum temperature is 70 degrees F and the minimum temperature is 52 degrees F, the average temperature for the day is 61 degrees, resulting in four heating degree days. A day when the average temperature is 65 or more has zero heating degree days.

Each degree that the average temperature for a day is above 65 degrees Fahrenheit produces one *cooling degree day (CDD).* For example, if the maximum temperature is 80 degrees F and the minimum temperature is 62 degrees F, the average temperature for the day is 71 degrees, resulting is six cooling degree days. A day when the average temperature is 65 or less has zero cooling degree days.

The National Oceanic and Atmospheric Administration (NOAA) provided the information on degree days, based on averages for 1951-80. Each sample unit was assigned heating and cooling degree days using average NOAA data for counties.

Metropolitan books and microdata. Not applicable.

Heating equipment. Data are shown for the main heating equipment and other heating equipment used in addition to the main heating equipment. More than one category of “Other heating equipment" could be reported for the same household. Only one type of equipment was reported as the “Main heating equipment."

Warm-air furnace refers to a central system that provides warm air through ducts leading to various rooms.

Steam or hot water system refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. It also includes solar heated hot water that is circulated throughout the home.

Electric heat pump refers to a heating and cooling system that utilizes indoor and outdoor coils, a compressor, and a refrigerant to pump in heat during the winter and pump out heat during the summer. Only heat pumps that are centrally installed with ducts to the rooms are included in this category. Others are included in wall units.

Built-in electric units refer to units permanently installed in floors, walls, ceilings, or baseboards.

Floor, wall, or other built-in hot-air unit without ducts delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed.

Room heater with flue refers to nonportable room heaters in the wall or free standing heaters that burn liquid fuel, and which are connected to a flue, vent, or chimney to remove smoke and fumes.

Room heater without flue refers to any room heater that burns kerosene, gas, or oil, and that does not connect to flue, vent, or chimney.

Portable electric heater refers to heaters that receive current from an electrical wall outlet.

Fireplaces with inserts have a fan-forced air circulation system to force the heat into the room.

Fireplaces without inserts refers to glass door fire screens or fire backs inserted in the back of the fireplace to passively reflect heat.

Cooking stove refers to gas or electric ranges or stoves originally manufactured to cook food.

Stove refers to any range or stove that burns solid fuel including wood burning, pot belly, and Franklin stoves.

Other includes any heating equipment that does not fit the definition for any of the previous definitions.

Heating equipment breakdowns. Statistics are shown for housing units occupied by the householder during the winter prior to the interview and refer only to the main heating equipment. The data are classified by whether the housing unit was uncomfortably cold for 24 hours or more, the number of times equipment breakdowns occurred lasting 6 hours or more, and causes for the breakdowns.

The heating equipment is broken down if it is not providing heat at its normal heating capacity through some fault in the equipment. Utility interruptions occur when there is a cutoff in the gas, electricity, or other fuel supplying the heat. Inadequate heating capacity refers to heating equipment that is providing heat at its normal capacity, but the housing unit is still too cold for the occupants. Inadequate insulation refers to air drafts through window frames, electrical outlets, or walls that are cold. Cost of heating refers to the occupants turning down their thermostat or turning the equipment off altogether to save money. This category includes utilities/fuels that are unavailable due to unpaid bills.

Hispanic. “Hispanic" refers to the origin of the householder, and was determined by asking respondents to identify people living in the unit who were Hispanic or Spanish American. There is no intent to include people of Brazilian or Portuguese ancestry. Hispanic people may be of any race. Most identify themselves as White or Black, as shown in Table 2-1.

Data on Hispanic households shown in the AHS are collected in the 50 states and the District of Columbia and therefore do not include households living in Puerto Rico.

Home equity loan. Households were asked how many home equity loans they have. Home equity loans include both revolving lines of credit and lump sums loans with a fixed repayment schedule. The respondent was not given a definition to distinguish between these and most other mortgages. However reverse annuity mortgages were defined first and excluded. Respondents were asked if each home equity loan was a line of credit or lump sum, the credit limit, current balance, the amount of last payment, and the interest rate.

Homes currently for sale or rent. The data are presented in the book for owner-occupied units, year-round units temporarily occupied by people who have a usual residence elsewhere, and vacant units. The classification of the unit refers to the current action of the owner. The owner may offer the unit *up for rent only, up for rent or for sale,* or *for sale only*. In addition, the current owner may have contracted to rent or sell the unit but the transfer has not yet taken place. Finally, the housing unit may be *not on the market* at all.

Household. A household consists of all people who occupy a particular housing unit as their usual residence, or who live there at the time of the interview and have no usual residence elsewhere. The usual residence is the place where the person lives and sleeps most of the time. This place is not necessarily the same as a legal residence, voting residence, or domicile.

Households include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the householder. It includes people temporarily away for reasons such as visiting, traveling in connection with their jobs, attending school, in general hospitals, and in other temporary locations.

By definition, the count of households is the same as the count of occupied housing units.

Householder. The householder is the first household member listed on the questionnaire who is an owner or renter of the sample unit and is aged 18 years or older. An owner is a person whose name is on the deed, mortgage, or contract to purchase. A renter is a person whose name is on the lease; if there is no lease, a renter is a person responsible for paying the rent. If no one meets the full criteria, the age requirement is relaxed before the owner/renter requirement. Where the respondent is one of several unrelated people who all could meet the criteria, the interviewer may list the respondent first, so the respondent will be the householder and can answer the questions that are asked specifically about the householder, such as data on moves and income sources.

Household composition.
Books. The following categories are published in the books.

Married-couple families. Each household in this group includes the householder and spouse, and other people, if any, who are related to the householder and live in the household. If the householder's spouse is not present, but another married couple is present, for example daughter and son-in-law or mother- and father-in-law, the household is not counted here as a married-couple family.

Other male householder. This category includes households with male householders who are widowed, divorced, separated or single, or who are married with wife absent for other reasons.

Other female householder. This category includes households with female householders who are widowed, divorced, separated or single, or who are married with husband absent for other reasons.

No nonrelatives. When this phrase modifies Married-couple households, then households that include householder, spouse, nonrelatives, and other relatives, if any, are included with Other male and Other female householder, rather than with Married-couples, no nonrelatives. The data are published both ways, in the data tables, so readers can see whether their findings are affected by the presence of nonrelatives with married couples.

Single children under 18 years old. This category includes all household members under 18 years, whether related to the householder or not, who are not currently married (that is they have never been married, or are divorced, separated, or widowed). For example, it includes currently unmarried children of lodgers and foster children.

Own never-married children. This category includes any household member under 18 years old, if he or she has never been married, and is a son, daughter, stepchild, or adopted child of the householder. By definition, children of subfamilies are not children of the householder, so they are excluded from this count of own children. The data are published for both this definition of children and the definition above (based on age and current marital status), in different stub items, so readers can see whether the definition of children affects their findings.

Microdata. Not applicable; researchers may calculate these and other categories from the data on each person.

See also “Persons other than spouse or children" and “Family or primary individual."

Household moves and formation.
Books. Data are shown for households that moved into the present unit during the 12 months prior to the date of the interview. The distribution is further classified by (1) whether the household moved together from the same unit, from two or more units, or moved at separate times, and (2) if previous householder(s) moved into the present unit.

The total does not measure net household formation, since it omits deaths, moves to institutions, and moves abroad, and it does not show whether all occupants of the previous unit moved here; some may have stayed there, or moved elsewhere.

The categories do indicate people moving out of units where they were not the householder (divorce or children setting out on their own.), and people moving in with others (marriage, roommates, children moving from one parent to another, or to a grandparent).

Microdata. Not applicable; researchers may calculate these and other categories from the data on each person.

Housing units. A housing unit is a house, apartment, group of rooms, or single room occupied or intended for occupancy as separate living quarters.

Living quarters is a general term that includes both housing units and group quarters. Living quarters include structures intended for residential use (such as a house, apartment building, boarding house, or mobile home). Living quarters also include the following, but only if they are occupied as usual residences: (a) places such as tents, caves, boats, and railroad cars; and (b) structures intended for nonresidential use (such as rooms in a warehouse where a guard lives). Living quarters exclude quarters being used entirely for nonresidential purposes, such as a store, an office, or quarters used for storing business supplies, machinery, or agricultural products.

Separate living quarters are those in which the occupants live separately from any other people in the structure and that have direct access from the outside of the structure or through a common hall, lobby, or vestibule that is used or intended for use by the occupants of more than one unit or by the general public. This means that the hall, lobby, or vestibule is not part of any unit but must be clearly separate from all units in the structure. For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If the information cannot be obtained, the criteria are applied to the previous occupants.

Group quarters. The following types of living quarters are not classified as housing units and are not covered by the AHS interviews (some are in the microdata as Noninterviews):

Institutional group quarters are living quarters occupied by one or more people under care or custody, such as children in an orphanage, people in a nursing home, and prisoners in a penitentiary.

Noninstitutional group quarters do not involve care or custody, and do not have separate living. They include college dormitories, fraternity and sorority houses, nurses' dormitories, and congregate housing for the elderly. In addition, *noninstitutional group quarters* include any living quarters that are occupied by nine or more people unrelated to the householder.

Note that institutional and commercial establishments that have single-family houses or individual apartments with direct access, where staff live and eat separately, such as some residential hotels, and units for college professors, are *housing units.* Military housing for singles is not covered, but housing where civilian family members live is, if it meets the definition of a housing unit.

Hotels. Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; that is, people who consider the hotel as their usual residence or have no usual residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

Rooming houses. If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have direct access, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain eight or fewer roomers unrelated to the householder, or a person in charge, they are counted as *one housing unit.* Otherwise they are *noninstitutional group quarters.*

New housing units. Units being built are classified as housing units (though they may be vacant), if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Note this stage of construction is earlier than the one used in *Duration of vacancy (see Vacancy, seasonality, and marketing), which measures when construction was completed.*

The occupants of each housing unit may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated people who share living arrangements (up to the limit of eight people unrelated to the householder).

Both occupied and vacant units are counted, except that the following are excluded if they are vacant: (a) tents, caves, boats, railroad cars, and the like; (b) structures intended for nonresidential use; (c) units used for business storage (storage of personal furniture does not disqualify a unit); and (d) units unfit for human habitation (roof, walls, windows, or doors no longer protect the interior from weather, or there is positive evidence such as a sign on the house or block that the unit is to be demolished or is condemned).

Income. The survey covers total money income in the 12 months before the interview. It covers people age 16 and older (age 14 and older before 1999) currently living in the housing unit, even if they lived elsewhere during some of the previous 12 months. The figures represent the amount of income before any deductions such as taxes, Social Security, union dues, bonds, and insurance.

The figures exclude: capital gains; lump sum payments from inheritances or insurance; occasional gifts; other sporadic payments; money borrowed; tax refunds; withdrawal of bank deposits; accrued interest on uncashed savings bonds; payments between household members except wages in a family business; income “in kind" such as free living quarters, housing subsidies, food stamps, or food produced and consumed in the home; and money from the sale of property (unless the recipient was in the business of selling such property). Figures also exclude income of people who have died or moved out of the housing unit, even if they lived in it for part of the previous 12 months.

Most data are from the respondent's replies. For people not related to the householder, the interviewer tries to ask them directly about their income, but if they are not available, the interviewer asks the respondent. Medians for income are rounded to the nearest hundred dollars.

Figures are shown separately for household income and income of families and primary individuals (see definition). Each has its own advantages. Only household income includes the income of lodgers, roommates, employees, and other household members who are not related to the householder.

Wages and salaries include income received for work performed as an employee. It includes wages, salary, piece-rate payments, commissions, tips, cash bonuses, and Armed Forces pay, but not pay that a business owner pays to herself or himself.

Business, farm, or ranch income is received from self-employment in a business, professional practice, partnership, or farm.

Social Security and pensions include pensions, survivors' benefits, and disability payments. This is not intended to include Supplemental Security Income (SSI), which is grouped with welfare, but many respondents confuse SSI and Social Security. Both come from the Social Security Administration. They used to be issued on different colored checks to minimize confusion, but now most payments are sent by electronic deposit.

Interest is money received or credited to a person's account for the use of money. Notes, bonds, deposits in banks, credit unions, savings and loan associations, money market accounts, and certificates of deposit (CDs) are the most common sources of interest.

Stock dividends are payments made by a corporation to its stockholders. These include periodic payments from an estate or trust fund, and dividends paid or credited to those who hold shares in a mutual fund.

Rental income includes the total money received from rental of property, rental from real estate, or from roomers or boarders, less all rental expenses.

Welfare or SSI includes the Supplemental Security Income Program (SSI), which is administered by the Social Security Administration, and replaces most public assistance payments that were previously made by state and local welfare agencies to low income aged, blind, and disabled persons. Welfare includes money received from local or state administered public assistance programs, old-age assistance, aid to families with dependent children (AFDC, ADC), aid to the blind or totally disabled, or other public assistance.

Alimony or child support includes as alimony, money received periodically from a former spouse after a divorce or legal separation. Child support is money received for the support of children not living with their father/mother as the result of a legal separation.

Other includes worker's compensation or other disability payments, unemployment compensation, veteran's payments, total amount that parents receive for the care of foster children in their home, money received from gambling, scholarship and fellowship money received by students for which no service or work was required, military reenlistment bonuses, and any other sources of money income not specified above.

There may be significant differences in the income data between the AHS and other surveys and censuses. For example, the time period for income data in the AHS is the 12 months prior to the interview, while other income data generally refer to the calendar year prior to the date of the interview. Additional differences in the income data may be attributed to how income questions are asked, levels of missing data (usually high on questions about income), whether missing data are estimated or ignored, sampling variability, and nonsampling errors.

Inside (P)MSAs. See “Metropolitan areas."

Insurance. See “Property insurance."

Interest. See “Current interest rate."

Items included in primary mortgage payment. The respondent was asked to indicate which items were included in the monthly mortgage payment besides principal and interest. These items included property taxes, property insurance, and other charges. Other charges may include disability insurance or life insurance.

Journey to work. National books and microdata. The books publish data on householders. The microdata have similar information on all workers.

Workers. Include all people aged 14 years and older who held a job in the United States, any time the week before the interview.

Householders. Householders who worked last week include householders who reported having a job in the United States, any time the week before the interview.

Principal means of transportation to work last week. This refers to the principal mode of travel used to get from home to work. People who use different means of transportation on different days of the week were asked to specify the one used most often. People who use more than one means of transportation to get to work each day were asked to specify the one used for the longest distance during the trip to work. Public transportation refers to bus, streetcar, subway, or elevated trains. Other means include taxicabs, ferryboats, surface trains, van service. See also “Neighborhood conditions and neighborhood services."

Travel time from home to work. The total elapsed time in minutes reported to usually get from home to work during the week prior to interview was counted as the travel time to work. The elapsed time included time spent waiting for public transportation and picking up members of carpools. Respondents were instructed to report travel time to the nearest minute.

No fixed place to work. Workers with no fixed place of work were those who did not usually work at the same location each day and did not usually report in to a central location to begin work each day.

Distance from home to work. This was the usual one-way, “door-to-door" distance in miles from home to work during the week prior to interview. Respondents were instructed to report travel rounded to the nearest mile.

Departure time to work. Refers to the time (hour and minutes) the respondent left for work. The categories begin with midnight, 12:00 a.m., and progress to 11:59 p.m. Metropolitan books and microdata. Not applicable.

Kitchen. See “Equipment."

Last used as a permanent residence. See “Vacancy, seasonality, and marketing."

Lenders of primary and secondary mortgage. This item is presented for units with two or more mortgages. The data are classified by whether the money was borrowed from a firm (bank or other organization), the seller of the property, or from another individual. Other organizations consist of mortgage corporations, pension plans, credit unions, and savings and loan associations. *Other individual(s)* includes anyone who was not the most recent owner.

Light fixtures in public halls. These statistics are presented for housing units in two-or-more-unit structures. Data include whether or not there are light fixtures in the public halls and whether or not some, none, or all of the light fixtures are in working order. Light fixtures include wall lights, ceiling lights, or table lamps in the public halls of the building. Public halls are used by the occupants and guests to get to their apartment doors.

Living quarters. See “Housing units."

Location of previous unit. Books show data for units in which the householder moved during the 12 months prior to the interview. Microdata show similar information for moves since the previous interview, or for the past 2 years for units added to the sample.

The data compare metropolitan areas of the previous residence and the residence in the AHS sample, where the interview was conducted. The AHS residence is coded by its 1983 metropolitan area definition (see Metropolitan areas), which may not be the current area definition. Since 1993, coding the previous residence with comparable 1983 boundaries has not been done because of geographic boundary changes. Therefore, this item has been suppressed to avoid spurious changes.

Lodgers. See “Household," “Persons other than spouse or children," “Rent paid by lodgers."

Lot size. Lot size includes all connecting land that is owned or rented with the home. Excluded are two-or-more-unit buildings and two-or-more-unit mobile homes. In the books, median lot size is shown to hundredths of an acre.

Lower cost state and local mortgages. Data are shown for owner occupied units with one or more mortgages. These are loans generally 1 percent to 3 percent below the current mortgage interest rate at the time the loan was made. The loans are managed through state or local governments. Excluded are federally funded programs of the Veterans Administration and Farmers Home Administration.

Major source of down payment. This item refers to the source of the cash used for down payment or outright purchase of the property (house or lot). If more than one source applied, the one providing the largest amount was recorded. Sale of previous home was reported only if the previous home was sold during the 12-months preceding the acquisition of the present home. Savings, or cash on hand, includes money drawn as bank deposits, credit unions, share accounts, saving bonds, certificates of deposits (CDs), money market funds, and IRA or KEOGH accounts. Sale of other investment includes the sale of other real property or real estate other than the previous home or from the sale of other investments such as stocks, bonds, mutual funds, dissolved business ventures. Borrowing other than a mortgage on this property was reported if the present owner borrowed the down payment, even if the property was mortgaged.

Money received as a gift regardless of the source was categorized *inheritance or gift.* Land where building built used for financing means the land on which the structure was built was used as the present owner's equity in the property. Sources of down payment that do not fit any of the above categories were recorded in the *other* category.

Manager. See “Owner or manager on property."

Medians.
Books. We estimate each median from the printed distribution. For example if there are 12 million homes of a particular type, the median is the 6 millionth, or halfway point of these homes. Therefore, if 5 million homes are below $400 rent, then the median is the millionth home above $400. Finally, if the next interval printed in the book (from $400 to $449), has 3 million homes, the median is assumed to be one-third of the way through the interval (at $417).

This technique overestimates medians by a few percent, because most homes cluster at the bottom of their intervals. The clustering happens because landlords ask for rent in round numbers, like $400, and people give answers in round numbers, like $20,000 income, or 40 years old.

We do not show the median at all if the distribution is estimated to have fewer than 25 sample cases (50,000 homes in the national books).

Microdata. Not applicable; no medians are shown in the public use file.

Median monthly housing costs for owners.
Books. In addition to the median for “Monthly housing costs," this item gives two additional medians for *owner-occupied units.* The first median includes maintenance costs in addition to those items included in “Monthly housing costs." The second median excludes second and subsequent mortgages, installment loans or contracts, and maintenance costs, but includes all remaining items listed in “Monthly housing costs." Because neither of these medians includes costs for renter-occupied units, they are not comparable to the median presented in “Monthly housing costs," except in the “Owners column" and the “Owners" chapter.

Microdata. Not applicable.

Metropolitan areas. Metropolitan areas are made up of whole counties (towns in New England) that have significant levels of commuting and contiguous urban areas in common. They may cross state lines, and usually include large amounts of rural land and farm land, provided the county or town as a whole qualifies. See also Central cities; Places; and Urban, which is based on much higher population density than metropolitan areas.

National books and microdata. Since 1985 the National AHS has used the official list of metropolitan areas published on June 27, 1983, by the Office of Management and Budget as OMB Bulletin 83-20. That list was developed from definitions published January 3, 1980, in the *Federal Register, Volume 45, pages 956-963.* AHS still uses these 1983 boundaries in order to measure change consistently over time.

National microdata identify parts of many metropolitan areas. The sample size is usually too small for analysis, but researchers may group the areas, for example, by growth rate, turnover rate, and size, to have enough cases in each group to analyze. For six broad areas, containing a total of 18 metropolitan area codes (shown in *Codebook for the American Housing Survey, Volume 2 or 3),* the sample sizes have been augmented to permit analysis: Chicago, Detroit,

Los Angeles, New York, Northern New Jersey, and Philadelphia. Elsewhere, metropolitan area codes are shown for (a) central cities of a metropolitan area where they had total 1980 population of 100,000 or more, and (b) urbanized suburbs of a metropolitan area where they had total 1980 population of 100,000 or more. In some areas, only central cities or only suburbs met the cutoff, so only those sample cases show metropolitan codes. Other sample cases show 9999 as their metropolitan code. This suppression for confidentiality does not affect the printed books.

Metropolitan books and microdata. Since 1995 the metropolitan AHS has used HUD definitions of metropolitan areas. These are based on the definitions of the Office of Management and Budget, but some outlying areas are omitted from the HUD definitions. Those counties have enough commuting to meet the OMB definition, but HUD believes they are not part of the same housing market as the rest of the area and need to be omitted for housing analysis. The areas for a given year included in and excluded from each metropolitan area are listed in the front of the books for that year.

Mobile homes. A mobile home is defined as a housing unit that was originally constructed to be towed on its own chassis. It also may have permanent rooms attached at its present site, or other structural modifications. The term does not include prefabricated buildings, modular homes, travel campers, boats, or self-propelled vehicles like motor homes. Some people use the terms trailer or manufactured housing in the same sense as mobile homes.

Mobile homes in group. Mobile homes or mobile home sites gathered close together are considered to be in a “group." This may be a mobile home park or it may be a number grouped together on adjacent individually owned lots but not in a mobile home park. See also “Site placement."

Monthly costs paid for electricity and piped gas. Three separate procedures are used to estimate monthly costs of electricity and gas. All respondents are asked if they have records available showing their costs for electricity (or gas) separate from other utilities. If they respond “yes," they are asked the amount of their electric (or gas) bill for the most recent months of January, April, August, and December. These months are the best predictors of annual costs. On average, more than one-third of respondents provide answers for at least 1 of the 4 months.

If the respondent provides data for only 1 month, the first procedure is used. The data for the month are adjusted using regression formulas to estimate yearly costs that are then divided by 12. These formulas are modeled after the results of the Residential Energy Consumption Survey (RECS) sponsored by the United States Department of Energy. These formulas take into account the following characteristics of the unit: electric water heating, natural gas water heating, year built, type of unit, number of rooms, number of bathrooms, number of appliances, and number of household members.

If the respondent provides data for 2, 3, or 4 months, the second procedure is used. As with the first procedure, the monthly data are adjusted using regression formulas, modeled after the results of RECS, to estimate yearly costs that are then divided by 12. Because more than 1 month's worth of real costs are available, it is not necessary to take into account detailed characteristics of the unit as is done in procedure one.

If the respondent answers “no," that he or she does not have separate records for the electricity (or gas), the third procedure is used. The respondent is asked to provide an estimate of the average monthly costs. A factor is then applied that, in effect, lowers these costs to make them consistent with electricity and gas costs in RECS.

Monthly expenses, additional help with.
Books. Not applicable.

Microdata. Additional questions are asked of renters when the ratio of monthly housing costs as percent of current income is high. Rental households receiving housing assistance that report spending more than 35 percent of their income on housing; or rental households not receiving housing assistance with incomes less than $15,000 that report spending more than 50 percent of their income on housing were asked questions on assistance for food, clothing, car payments, tolls, public transportation, child care, medical care or medicine, and utility bills. They were asked to specify the type of help they received.

Monthly housing costs. The data are presented for owner-occupied and renter-occupied housing units.

Monthly housing costs for *owner-occupied units* include the sum of monthly payments for all mortgages or installment loans or contracts, except reverse annuity mortgages and home equity lines of credit. Costs also include real estate taxes (including taxes on mobile homes, and mobile home sites if the site is owned), property insurance, homeowner association fees, cooperative or condominium fees, mobile home park fees, land rent, utilities. Costs do not include maintenance and repairs, but see “Median monthly housing costs for owners."

Monthly housing costs for *renter occupied housing* units include the contract rent, utilities, property insurance, mobile home park fee. Renter housing units occupied without payment of cash rent are shown separately as no cash rent. For rental units subsidized by a housing authority, the federal government, or state or local governments, the monthly rental costs reflect only the portion paid by the household and not the portion subsidized. The figures do not adjust for lost security deposits, or the benefit of free rent offered by some owners.

The term utilities here includes electricity, gas, fuels (oil, coal, kerosene, or wood.), water, sewage disposal, garbage and trash collection, but not telephones or cable television. Utility costs are counted if they are paid by the occupant or by someone else, such as a relative, welfare agency, or friend. They may be paid separately or included in rent, condominium fee, or mobile home park fee, and the AHS questions take care to avoid double-counting.

Specified owners and renters\-In the books, Table 19 of each chapter presents financial characteristics for these groups, which are comparable to the costs published before 1984. Medians for monthly housing costs are rounded to the nearest dollar.

Monthly housing costs as percent of current income.
Books. The yearly housing costs (monthly housing costs multiplied by 12) are expressed as a percentage of the total Current income (see definition). The percentage was computed separately for each unit and rounded to the nearest percent, so 25 to 29 percent means 24.5 to 29.49 percent. The percentage was not computed for units where occupants reported no

income, a net loss, or no cash rent. The category 100 percent or more counts units with housing costs exceeding income. This situation may mean inaccurate income or housing costs data, or true but temporary situations. For most purposes, readers may wish to treat this line as missing or unreliable data.

Microdata. Not applicable; may be calculated as needed.

Monthly payment for principal and interest. The data present the monthly dollar amount paid on the mortgage for principal and interest only. They do not include that portion of the monthly payment used for property taxes, homeowner insurance, and/or other charges. In the books, medians for monthly payment for principal and for interest are rounded to the nearest dollar.

Mortgage origination. Data are shown for owner-occupied units with one or more mortgages. For units that placed new mortgages, data are classified by the date the new mortgage was obtained in relation to the date the property was acquired. An assumed mortgage indicates that the current owner assumed the previous owner's when the property was acquired and has not been refinanced. A wrap-around mortgage is a mortgage with a face value that encompasses the unpaid balance of the first mortgage(s), plus the amount of any new funds extended by the wrap-around lender. Combination of the above means that there was more than one method of origination for the outstanding mortgages on the property.

Mortgages currently on property.
Books. The owner or the owner's spouse was asked the number of mortgages or similar loans (including home equity loans) currently in effect on the home. Data are shown for the number of units with the following mortgage categories: reverse mortgages, regular and home equity, regular only, and home equity only.

A mortgage or similar debt refers to all forms of debt for which the property is pledged as security for payment of the debt. It includes such debt instruments as deeds of trust, trust deeds, mortgage bonds, and vendors' liens. In trust arrangements usually a third party, known as the trustee, holds the title to the property until the debt is paid. In vendors' lien arrangements, the title is kept by the buyer but the seller (vendor) reserves, in the deed to the buyer, a lien on the property to secure payment of the balance of the purchase price. Also included as a mortgage or similar debt are contracts to purchase, land contracts, and lease-purchase agreements where the title to the property remains with the seller until the agreed upon payments have been made by the buyer.

See also “Current interest rate," “Items included in primary mortgage payment," “Lenders of primary and secondary mortgage," “Lower cost state and local mortgages," “Major source of downpayment," “Monthly payment for principal and interest," “Primary mortgage," “Remaining years mortgaged," “Term of primary mortgage at origination or assumption," “Total outstanding principal amount," “Type of primary mortgage," “Year primary mortgage originated."

Microdata. Not applicable. May be recoded as needed.

Moves. See “Choice of present home and home search," “Household moves and formation," “Location of previous unit," “Persons--previous residence," “Present and previous units,"

“Reasons for leaving previous unit," “Recent movers comparison to previous home," “Structure type of previous residence," “Tenure of previous unit," “Year householder moved into unit."

Neighborhood conditions and neighborhood services. The statistics are based on the respondent's opinion. He or she may define the neighborhood as any size. Some topics are collected by an open-ended question on what, if anything, bothers the respondent about the neighborhood. Others come from questions about specific topics. The first three, and schools, have followup questions about whether the problem bothers the respondent so much he or she would like to move.

Street noise or heavy street traffic. Street noise refers to noise made by children playing outdoors, noise from a factory or business, or any other sounds that the respondent considers to be street noise. Traffic refers to the amount of vehicular traffic that the respondent considers “heavy."

Neighborhood crime. This category refers to all forms of street and neighborhood crime, such as petty theft, assaults against the person, burglary, or any related activities that the respondent judges to be a crime.

Odors. This category refers to smoke, gas, or bad smells.

Those three specific questions are followed by an open-ended question about what (else) bothers the respondent. The category “People" includes such complaints as unfriendly neighbors, noisy children, other races, or specific neighbors.

Public transportation. The respondent answers (1) if service is available; (2) if service is satisfactory; and (3) if any member of the household uses the service at least once a week.

Shopping. The respondent answers whether grocery stores or drug stores were satisfactory and were within 1 mile of the housing unit.

Police protection. The respondent was asked if police protection was satisfactory.

Elementary schools. The respondent was asked (1) if young children in the household attended public school, private school, preschool, or were schooled at home (does not attend school before 1999); (2) if the public elementary school was satisfactory; (3) if it was so unsatisfactory the respondent wants to move; and (4) if the public elementary school was within 1 mile of the housing unit. See also Educational attainment.

See also “Bars on windows of buildings," “Conditions of streets," “Description of area within 300 feet," “Educational attainment," “Other buildings vandalized or within interior exposed," “Overall opinion of neighborhood," “Trash, litter, or junk on streets or any properties."

Noninterview.
Books. Not applicable.

Microdata. Noninterview cases are classified as Type A, Type B, or Type C.

Type A noninterviews are units occupied by people eligible for interview who were not interviewed. A noninterview means that valuable information was lost and the sample returns may not be representative of the population. It is very important to keep noninterviews to a minimum. Type A noninterview categories include (1) no one home; (2) temporarily absent; (3) refused; (4) unable to locate; (5) language problems; and (6) other occupied - specify.

Type B noninterviews are units not eligible for interview at present, but who could become eligible for interviews in the future. Type B noninterview categories include (1) permit granted, construction not started; (2) under construction, not ready; (3) permanent or temporary business or commercial storage; (4) unoccupied site for mobile home or tent; (5) other unit or converted to institutional unit; (6) occupancy prohibited; (7) interior exposed to the elements; (8) Type B, not classified.

Type C noninterviews are units ineligible for sample, either because they no longer exist or because of sample reasons. Type C noninterview categories include: (1) demolished or disaster loss; (2) house or mobile home moved; (3) unit eliminated in structural conversion; (4) merged, not in current sample; (5) permit abandoned; (6) Type C not classified elsewhere; and (7) unit eliminated in subsampling.

Number of single children under 18 years old. See “Household composition."

Occupied housing units. A housing unit is classified as occupied if there is at least one person who lives in the unit as a usual resident at the time of the interview, or if the occupants are only temporarily absent, for example, on vacation. However, if the unit is occupied entirely by people with a usual residence elsewhere, the unit is classified as vacant. By definition, the count of occupied housing units is the same as the count of households.

Other activities on property. Data presented exclude rental units. Property consists of one or more tracts of land that the respondent considers to be the same property, farm, ranch, estate. The tracts may be adjoining or they may be separated by a road, creek, or other piece of land. For a condominium, this item refers to the sample unit only.

A medical or dental office is a doctor's or dentist's office regularly visited by patients.

A commercial establishment may be located in the same building as the sample unit, or it may be located elsewhere on the property (such as grocery store, restaurant, gasoline station, and veterinary office). Those housing units that have no recognizable alterations to the outside of the house are not considered as having a commercial establishment. A farm is not classified as a commercial establishment.

Other buildings vandalized or with interior exposed. The respondent was asked if there were any vandalized or abandoned buildings within 300 feet of the sample unit. A unit is counted as vandalized if it has most of the visible windows broken, doors pulled off, has been badly burned, has words or symbols printed on it, has portions of the roof missing, or in some other way has the interior exposed to weather.

Other housing costs per month. A homeowners' association fee (excludes condominium and cooperative fees) is a fee charged for services such as upkeep of common property (painting

hallways, cleaning lobbies, mowing lawns, repairing laundry facilities, paving parking areas, and repairing street lights). The fee may include the use and maintenance of either indoor or outdoor swimming facilities or other recreational facilities (party rooms, tennis courts, basketball courts, exercise rooms, and playground areas). Also the homeowner's association fee can include payments for security personnel such as security guards or services such as telephone answering service, maid service, or other domestic help.

Mobile home park fees are regular payments to the park management that could include site rental, utility charges, mail handling, and/or fees for the maintenance of common areas.

Aside from mobile homes (where site rent is covered above in mobile home park fees), in a few areas of the country, occupants may own the unit, but not the land on which it stands. Land rent refers to land that is rented or leased from the land owner, and “ground rent" is paid. These leases are for long periods of time (50-100 years) when originated. The lease obligation transfers with the property and cannot be canceled.

The medians for other housing costs are rounded to the nearest dollar.

Outside (P)MSAs. See Metropolitan areas.

Overall opinion of neighborhood. The data presented are based on the respondent's overall opinion of the neighborhood. The respondent defines neighborhood. The respondent was asked to rate the neighborhood based on a scale from 1 to 10, where 10 is the best and 1 is the worst.

Overall opinion of structure. The data presented are based on the respondent's overall opinion of the house or apartment as a place to live. The respondent was asked to rate the structure based on a scale from 1 to 10, where 10 is the best and 1 is the worst.

Owner or manager on property. These statistics show the number of rental housing units in structures of two or more units with the owner or resident manager living on the property.

Own never-married children under 18 years old. See “Household composition."

Painted surfaces.
National books. Not applicable.

National microdata. This item is restricted to housing units built before 1978 (older homes). Respondents were asked 1) whether they had peeling paint, and 2) whether the peeling paint was inside or outside the house. Respondents also were asked whether any work was done, such as sanding or scraping that would have disturbed painted surfaces, and if they replaced or repaired doors or frames, cabinets or built in shelves, inside walls or ceilings, windows (not counting glass) and outside walls, foundation, doors, and window frames or trim.

Additionally, respondents were asked if they were told before moving in that the paint might contain lead.

Parallel heating equipment. This is additional heating equipment for an area not heated by the main heating equipment.

Payment plans of primary and secondary mortgages. Data are presented separately for primary and secondary mortgages. The term “payment" refers to regular principal and interest payments only, and not to payments for real estate taxes and property insurance. Fixed payment, self amortizing mortgages have payments that do not change during the term of the loan, with the principal payments sufficient to pay off the loan completely within the stated term. Adjustable rate mortgages are mortgages whose interest rates could be changed during the life of the mortgage, changing the amount of the payments required. In adjustable term mortgages the amount of the payments stays constant, but the number of payments required to pay off the loan can change over time as interest rates change. Graduated payment mortgages allow monthly payments to change during the term of the mortgage by means other than a change in interest rate. These mortgages begin with lower payments that rise later in the life of the mortgage. Balloon mortgages are mortgages in which only part or none of the principal is paid off during the term of the loan (which commonly is about 5 years). At the end of the term, the principal is paid off in one lump sum, refinanced with a new loan, or extended by renewal of the loan.

National books and microdata. Not applicable.

Persons. See “Household."

Persons other than spouse or children.
Books. Data are shown for households with the following types of people:

Other relatives of householder. This category counts households that include any person related to the householder by blood, marriage, or adoption, except spouse, son, daughter, stepchild, or adopted child under 18 years old (regardless of marital status).

Single adult offspring 18 to 29. This category counts households with at least one member aged 18-29, if he or she is not currently married (that is, they have never been married or are divorced, separated or widowed), and is a son, daughter, stepchild, or adopted child of the householder. Note this category has the same marital status categories as “Single children under 18 years old," but the same relationship to householder categories as “Own never-married children." These are defined under “Household Composition."

Single adult offspring 30 years of age or over. This category counts households with at least one member aged 30 or older, if he or she is not currently married (that is, they have never been married or are divorced, separated or widowed), and is a son, daughter, stepchild, or adopted child of the householder.

Households with three generations. For each person whose parent lives in the household, the parent (biological, adoptive, or stepparent) is identified in the questionnaire. Each person who is a child or grandchild of the householder is also identified. These codes keep count of households where the following live in the unit: one or more sons, daughters, stepchildren or adopted children of the householder or spouse (regardless of marital status or age), and one or more parents of the householder or spouse, or one or more parents of the householder or spouse, and one or more parents of these parents, or one or more sons, daughters, stepchildren or adopted children of the householder or spouse (regardless of marital status or

age), and one or more of these children's children (grandchildren of the householder or spouse, regardless of marital status or age).

Note that the definition of children is different from those in “Single children under 18 years old," and “Own never-married children." The first does not involve relationship to householder, and neither involve marital status and age. Also note that if a household has more than three generations, it is still counted here. In addition to the three generations, there also may be other relatives in the household.

Subfamily. A subfamily is one of the following groups that do not include the householder or spouse, but are related to the householder and live in the household (1) a married couple (with or without children of any type), or (2) one parent with one or more of his or her own never-married children under 18 years old. A common example of a subfamily is a young married couple sharing the home of the husband's or wife's parents.

Subfamily householder. For subfamilies that include a couple, the husband is defined as the subfamily householder; for other subfamilies the parent is the householder.

Households with other types of relatives. This category counts households with relatives of the householder, other than the spouse, children, three generations, or subfamilies already counted. Therefore, it includes relatives such as uncles, nieces, cousins, or grandchildren present without their parents. A household already counted above may be counted again, as long as it has some additional relatives not counted above.

Nonrelatives. A nonrelative of the householder is any person in the household who is not related to the householder by blood, marriage, or adoption. Roomers, boarders, lodgers, partners, resident employees, wards and foster children are included in this category.

Co-owners or co-renters. This category includes households for which the names of two or more unrelated household members are on the deed of ownership, mortgage, land contract, contract to purchase, or similar document, or lease; or, if there is no lease, two or more unrelated household members are responsible for paying the rent.

Lodgers. This category is restricted to members of the household who pay rent to another household member and are age 16 and older, nonrelatives of the householder, not sons, daughters, stepchildren, or adopted children of a co-owner or co-renter, and not a co-owner or co-renter themselves. This item does not use the “lodger" answer on relationship to the householder since it is less carefully defined than the question on lodgers' rent. See also “Household," “Rent paid by lodgers."

Unrelated children under 18 years old. This category counts households with members under 18 years old who are unrelated to the householder and are not co-owners, co-renters, or lodgers, regardless of marital status. Thus it includes foster children and children of lodgers and employees as long as they are under 18.

Other nonrelatives. This category counts households with nonrelatives of the householder who are not in the categories above, so they are not co-owners, co-renters, lodgers, or under 18. For

example, it includes employees and housemates who do not pay a regular rent as lodgers. It also may include households with nonrelatives counted in the categories below.

One or more secondary families. A secondary family is a group of two or more people who are related to each other by birth (Parent/child, child less than 18 years old), marriage, or adoption, but who are not related to the householder. The unrelated secondary family may include people such as guests, roomers, boarders, or resident employees and their relatives living in a household.

Two- to eight-person households, none related to each other. None of the household members is related to any other household member. They may be co-owners, co-renters, lodgers, partners, employees, or foster children. The books make no distinction between housemates and unmarried partners, because we do not want the interviewers to probe into private relationships.

Microdata. Not applicable; may be calculated from household relationships.
See also “Household composition."

Persons per room.
Books. Persons per room is computed for each occupied housing unit by dividing the number of people in the unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of housing units having the specified ratio of people per room.

Microdata. Not applicable; may be calculated from household size and rooms.

Persons--previous residence. All people are counted who lived at the previous residence at the time of the move, as well as those who usually lived there but were temporarily away. Persons who were staying there at the time of move, but who had a usual residence elsewhere, were not counted.

Physical problems--severe. A unit has severe physical problems if it has any of the following five problems*:*

Plumbing. Lacking hot or cold piped water or a flush toilet, or lacking both bathtub and shower, all inside the structure (and for the exclusive use of the unit, unless there are two or more full bathrooms).

Heating. Having been uncomfortably cold last winter for 24 hours or more because the heating equipment broke down, and it broke down at least three times last winter for at least 6 hours each time.

Electric. Having no electricity, or all of the following three electric problems: exposed wiring, a room with no working wall outlet, and three blown fuses or tripped circuit breakers in the last 90 days.

Hallways. Having all of the following four problems in public areas: no working light fixtures, loose or missing steps, loose or missing railings, and no working elevator.

Upkeep. Having any five of the following six maintenance problems: (1) water leaks from the outside, such as from the roof, basement, windows, or doors; (2) leaks from inside structure such as pipes or plumbing fixtures; (3) holes in the floors; (4) holes or open cracks in the walls or ceilings; (5) more than 8 inches by 11 inches of peeling paint or broken plaster; or (6) signs of rats in the last 90 days.

Physical problems--moderate. A unit has moderate physical problems if it has any of the following five problems, but none of the severe problems:

Plumbing. On at least three occasions during the last 3 months, all the flush toilets were broken down at the same time for 6 hours or more (see “Flush toilet and flush toilet breakdowns").

Heating. Having unvented gas, oil, or kerosene heaters as the primary heating equipment.

Kitchen. Lacking a kitchen sink, refrigerator, or cooking equipment (stove, burners, or microwave oven) inside the structure for the exclusive use of the unit.

Hallways. Having any three of the four problems listed above.

Upkeep. Having any three or four of the six problems listed above in “upkeep."

See also “Bars on windows of buildings," "Common stairways," “Equipment," “External building conditions," “Flush toilet and flush toilet breakdowns," “Heating equipment and heating equipment breakdowns," “Overall opinion of structure," “Primary source of water and water supply stoppage," “Water leakage during last 12 months," “Selected deficiencies."

Places.
National books. The geographic variable place size, as shown in national reports, shows the current count of housing units in places as defined in the 1980 census.

Microdata and metropolitan books. Not applicable.

See also “Central cities" and “Urban and rural residence."

Plumbing facilities. The category “With all plumbing facilities" consists of housing units that have hot and cold piped water as well as a flush toilet and a bathtub or shower. For units with less than two full bathrooms, the facilities are only counted if they are for the exclusive use of the occupants of the unit. Plumbing facilities need not be in the same room. Lacking some plumbing facilities or having no plumbing facilities for exclusive use means that the housing unit does not have all three specified plumbing facilities (hot and cold piped water, flush toilet, and bathtub or shower) inside the housing unit, or that the toilet or bathing facilities are also for the use of the occupants of other housing units.

See also “Complete bathrooms," “Flush toilet and flush toilet breakdowns," “Sewage disposal and sewage disposal breakdowns."

Population in housing units.
Books. Included are all people living in housing units. Persons living in group quarters are excluded.

Microdata. Not applicable; can be calculated by adding weight times household size, for all occupied units.

Poverty status. The poverty data differ from official poverty estimates in two important respects:

(1) Interest in housing affordability made it appropriate for AHS to adopt a poverty definition based on household income. The official method is based on the income of families, and of individuals living without relatives. (Under the official approach, the poverty status of two unrelated individuals living together would be determined by comparing the income of each individual to the one-person poverty threshold. The result might be that both were in poverty, both were out of poverty, or one was in poverty and one was not. In the AHS books, their poverty status was determined by comparing their combined income to the two-person poverty threshold.) The effect of using household income is to count about 6 percent fewer people in poverty than the official estimate. See "*Technical Paper X, Effect of Using a Poverty Definition Based On Household Income,"* U.S. Department of Health, Education, and Welfare, 1976.

(2) The official poverty estimates are based on the March supplement to the Current Population Survey. Income questions in that survey are very detailed, and measure income received during the previous calendar year. Income questions in the AHS are much less detailed, and measure income received during the 12 months just before the interview. Because interviews were conducted over several months, the AHS income measures do not pertain to a fixed period.

The poverty thresholds are based on the Department of Agriculture's 1961 Economy Food Plan and reflect different consumption requirements by number of adults and children. They consider only money income (see Income), not assets or benefits in kind, such as housing subsidies. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index (CPI).

Note that in the official poverty thresholds, elderly are expected to need less than nonelderly in the one- to two-person groups. Also note that an all-adult household is expected to need less than the same size household where one member is a child, but if additional members are children, costs go down again.

These official poverty thresholds are different from the poverty guidelines published for program purposes by the U.S. Department of Health and Human Services (HHS).

HUD "very low income limits" (the L50 series) for four-person households are 50 percent of median family income for families in each metropolitan area or nonmetropolitan county. The HUD income limits vary among areas, and the average national HUD income limits in 1997 are shown (local details are at www.huduser.org/data/factors.html).

The HUD adjustments for household size in the L50 series are very roughly based on national average differences in housing cost. The HUD limits have smaller adjustments than the official

and HHS poverty thresholds, which are based on food cost. Housing cost does not vary as much as food does between small and large households. Academic research suggests even the HUD adjustments may be too large; see van Praag, “The Relativity of the Welfare Concept," in Nussbaum and Sen, *Quality of Life,* Oxford University Press, 1993, page 374, which suggests 6 percent adjustments per person instead of HUD's 10 percent and 8 percent adjustments.

Microdata. Not applicable; may be calculated by comparing current or past income to the thresholds.

Present and previous units. The present unit is the one occupied by the householder or respondent at the time of the interview. The previous unit is the one from which the householder or respondent moved. If the householder or respondent moved more than once during the 12 months prior to the date of the interview, the previous unit is the one from which they last moved.

Previous home owned or rented by someone who moved here.
Books. These data are shown for units where the householder moved within the United States during the past year.

Microdata. Data are shown for units where anyone in the present household moved within the United States during the past year.

Previous occupancy. The statistics presented are restricted to housing units built in 1990 or later. “Previously occupied" indicates that some person or people not now in the household occupied the housing unit prior to the householder or other related household members' occupancy. “Not previously occupied" indicates that either the householder or some other current household member was the first occupant of the housing unit.

Primary metropolitan statistical areas. See “Metropolitan areas."

Primary mortgage. Detailed information on mortgages was collected in the AHS on the first three mortgages reported, even if the unit had four or more mortgages. On the basis of this information, one of the mortgages was considered to be primary. The definition of the primary mortgage may not agree with legal definitions of a “first mortgage," which would be paid first after a foreclosure.

If there is only one mortgage, it is primary. If two or more mortgages exist, the following hierarchy was used (1) Federal Housing Administration (FHA), Veterans Administration (VA), or Farmers Home Administration (FmHA) mortgage; (2) assumed mortgage; (3) mortgage obtained first; (4) largest initial amount borrowed.

Primary source of water and water supply stoppage. A public system or private company refers to any source supplying running water to six or more housing units. The water may be supplied by a city, county, water district, or private water company, or it may be obtained from a well that supplies six or more housing units. An individual well that provides water for five or fewer housing units is further classified by whether it is drilled or dug. Water sources such as springs, cisterns, streams, lakes, or commercial bottled water are included in the other category.

Water supply stoppage means that the housing unit was completely without running water from its regular source. Completely without running water means that the water system servicing the unit supplied no water at all; that is, no equipment or facility using running water (in kitchen and bathroom sinks, shower, in bathtub, flush toilet, dishwasher, and other similar items) had water supplied to it, or all were inoperable. The reason could vary from a stoppage because of a flood or storm, to a broken pipe, to a shutdown of the water system, to a failure to pay the bill, or other reasons.

Data on water supply stoppage are shown if they occurred in the 3 months prior to the interview, or while the household was living in the unit if less than 3 months, and if the breakdown or failure lasted 6 consecutive hours or more. Housing units with water supply stoppage also are classified according to the number of times the stoppages occurred.

Principal. See “Total outstanding principal amount."

Problems. See “Neighborhood conditions and neighborhood services," “Physical problems," “Poverty status."

Property insurance. This item refers to insurance on the structure and/or its contents (such as furniture, appliances, or clothing) and usually contains some liability insurance. Renters usually do not have property insurance, but its cost is counted if they do have it. The total cost is the most recent yearly cost for which the occupants have actually been billed. Yearly cost was divided by 12 before calculating a monthly median cost. Medians for property insurance are rounded to the nearest dollar.

Public elementary school. See “Educational attainment" and “Neighborhood conditions and neighborhood services."

Purchase price. The purchase price refers to the price of the house or apartment and lot at the time the property was purchased. Closing costs are excluded from the purchase price, and for mobile homes, the value of the land is excluded. In the books, the median purchase price is rounded to the nearest dollar.

Quality. See “Neighborhood conditions and neighborhood services," “Physical problems," “Selected amenities," “Selected deficiencies."

Questionnaire. Computer Assisted Personal Interviewing (CAPI) was introduced in 1997, eliminating paper questionnaires. The questions and the question interview pattern are available as part of the Field Representative’s guide for the AHS released on the Census Bureau Web site. The computer code controlling the interviews, known as “Q-Code” (“Questionnaire Code”), can be found on the HUD USER Web site. The Field Representative’s guide is much easier to read than the Q-Code but does not include information on skip patterns or the exact rules for question flow.

Race. In the books, the classification of “race" refers to the race of the householder occupying the housing unit. The concept of race as used by the Census Bureau does not denote a clear-cut scientific definition of biological stock. Race was determined on the basis of a question that asked for self-identification of a person's race. For respondents who refused to answer, the

interviewer decided on a race only for people she or he saw; others are imputed by computer. For mixed-race answers, respondents are asked for the race most closely identified with, respondents are asked for the mother's race, or the first race mentioned is used, in that order of priority.

Hispanic is considered an ethnic origin rather than a race and is tallied separately. Most Hispanics report themselves as White, but some report themselves as Blacks or other categories. Figures are given for race and ethnicity in Table 2-1 of the printed reports.

Revisions to the OMB Statistical Policy Directive 15 designate five races (White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or other Pacific Islander) and two ethnic origins (Hispanic or Latino and not Hispanic or Latino). The AHS will adopt the new terminology in 2003.

Ratio of value to current income.
Books. The ratio of value to current income was computed by dividing the value of the housing unit by the total current (family) income (see definition of current income). The ratio was computed separately for each housing unit and was rounded to the nearest tenth. For value and current income, the dollar amounts were used. Units occupied by individuals who reported no income or a net loss compose the category “zero or negative income." Medians for the ratio of value to current income are rounded to the nearest tenth.

Microdata. Not applicable; can be calculated from value and income.

Real estate taxes. This item includes special assessments, school taxes, county taxes, and any other real estate taxes. Excluded are payments on delinquent taxes due from prior years. Rebates are subtracted from the total. When the real estate taxes are included with the mortgage, a separate amount for the taxes is obtained. To determine average monthly cost, yearly cost was divided by 12. In the books, medians for real estate taxes are rounded to the nearest dollar.

Reasons for leaving previous unit. These data are shown for units where the respondent moved during the 12 months before the interview. The distribution may not add to the total, because the respondent was not limited to one reason.

Private displacement includes situations in which a private company or person wanted to use the housing unit for some other purpose (to develop the land or building commercially, to occupy the unit, to convert the unit to a condominium or cooperative, or to make repairs and renovate the unit).

Government displacement means the respondent was forced to leave by the government (local, state, or federal), because it wanted to use the land for other purposes (to build a road or highway, for urban renewal or other public activity, because the building was condemned, or some other reason).

Disaster loss includes damage by a tornado, storm, flood, earthquake, fire, landslide or other similar occurrences.

New job or job transfer indicates that the respondent moved to begin a new job or was transferred from the previous location to the present location.

To be closer to work/school/other means that the respondent moved because commuting was too far and respondent wanted to live closer to work, school, or some other commuting purpose.

Other, financial/employment related refers to financial or employment related reasons, such as wanting to look for a new or different job, because the person entered or left the U.S. Armed Forces, retired, or some other financial/employment reason.

To establish own household means that the respondent left a previous residence (parent's home, rooming or boarding house, or shared apartment) to establish own household.

Needed larger house or apartment refers to moves that were necessary because of crowding or for aesthetic reasons.

Married, widowed, divorced, or separated is marked if the respondent moved because of marital reasons.

Other, family/personal related indicates that the respondent moved because of family or personal reasons such as wanting to live closer to relatives.

Wanted better home was marked if the respondent moved because the previous residence was too old, run-down, in need of too many repairs or if there was nothing wrong with the previous home, but the respondent simply wanted to move to a better one.

Change from owner to renter, or change from renter to owner indicates a change in tenure.

Wanted lower rent or less expensive maintenance indicates that the respondent moved because the rent (or mortgage) payments were too high at the previous residence or that the taxes or upkeep were too high.

Other housing related reasons includes such reasons as respondent wanted larger yard, different zoning, or wanted a better investment.
Other includes examples such as respondent wanted a change in climate, neighborhood crime problem, racial or ethnic composition of neighborhood.

See also “Choice of present home and home search" and “Choice of present neighborhood and neighborhood search."

Recent movers. Data for recent movers are shown for two categories of movers: (1) units where the householder moved into the present unit during the 12 months prior to the interview (shown as a column in most tables, and in Table 10 of each chapter) and (2) units where the respondent moved into the present housing unit during the 12 months prior to the interview (Table 11 of each chapter). In most cases, the two groups represent the same households.

Microdata also show moves of other household members.

Recent movers comparison to previous home. This item is based on the respondent's comparison between the present unit and previous unit as to which was better.

Recent movers comparison to previous neighborhood. This item is based on the respondent's comparison between the present neighborhood and the previous neighborhood as to which was better. The definition of neighborhood is whatever the respondent considers it to be.

Regions. States contained in each region are as follows:

Northeast. Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, Pennsylvania, and New Jersey.

Midwest. Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, Kansas, Nebraska, North Dakota, and South Dakota.

South. Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Kentucky, Arkansas, Louisiana, Oklahoma, and Texas.

West. Montana, Wyoming, Colorado, New Mexico, Arizona, Utah, Idaho, Alaska, Washington, Oregon, Nevada, California, and Hawaii.

Remaining years mortgaged. The owner or owner's spouse was asked the length of time it would take to pay off the loan at the current payments. The response reflects the amortization schedule. For example, in many balloon mortgages the initial monthly payments are calculated to pay off the loan in 30 years, though the mortgage is due in 5 years, and the 60th payment is very large. Such a mortgage would count here as 30 years, not 5 years, minus whatever number of years have passed. In the books, medians for remaining years mortgaged are rounded to the nearest year.

Rent paid by lodgers. This item refers to regular, fixed rent: a set amount of money, billed or charged, which is paid at regular intervals by a lodger (usually weekly or monthly) to a member of the household. This category is restricted to lodgers who are 16 years and older, nonrelatives of the householder, and people who are not spouses of a co-owner or co-renter, not children of a co-owner or co-renter, and not a co-owner or co-renter themselves. Medians for rent paid by lodgers are rounded to the nearest dollar.

Rent reductions. Rent control means that increases in rent are limited by state or local law. The jurisdiction, state or local agency, mandates that rent increases may not exceed some level, or must be approved by the government. This category does not include limits that HUD puts on all rental projects insured by the Federal Housing Administration.

A housing unit is classified as being in a public housing project if the unit is owned by any local or state government agency, and operated as public housing. These organizations may receive subsidies from the federal or state government, but the local agency owns the property.
A housing unit is classified as having a subsidy if the household pays a lower rent because a federal, state, or local government program pays part of the cost of construction, mortgage, or

operating expenses. These programs include rental assistance programs where part of the rent for low-income families is paid by HUD, and direct loan programs of HUD and the Department of Agriculture for reduced cost housing. Units requiring income verification are usually subsidized. Many households in these programs apply through the public housing authority, and misreport themselves in public housing. Others do not think of their units as subsidized, and misreport themselves as unsubsidized.

Subsidies for homeowners, including HUD subsidies for cooperatives, are not counted, since the questions are asked only of renters.

Renter maintenance quality. Renters were asked their opinion of owner's response time and if owners were polite and considerate for maintenance and repairs of major and minor problems. The definition of a major or minor problem was left up to the discretion of the respondent. Satisfaction was measured by the following choices: “usually," “not usually," “very mixed," “haven't needed any," and “landlord not responsible for maintenance." When problems occurred, renters were asked if problems were solved quickly once repairs started.

Replacements and additions.

Microdata. The statistics refer to within 2 years prior to the interview and are restricted to owner-occupied units. The respondents were first asked if, in the last 2 years has there been a major disaster, such as an earthquake, tornado, hurricane, landslide, fire, or flood that required them to make extensive repairs to their home. Only if the damage involved at least 2 rooms or a majority of the home were replacements and additions counted as disaster required repairs.

Respondents were asked to name major repairs made within the last 2 years. Also, they were asked if the repair was a replacement or an addition, if someone in the household did the work, and the cost of the repair.

The microdata file shows the total number of replacements/additions reported by all households, and the total cost of these replacements/additions. Each household could name as many as 74 jobs done in their home.

Questions were asked about where the work was done, if any rooms were created or attached, and if the bathroom or kitchen had been remodeled within the last 2 years.

Respondents also were asked if they added or replaced their roof, siding, interior water pipes; electrical wiring, fuse boxes or breaker switches; doors or windows; plumbing fixtures such as sinks or bath tubs; insulation; wall to wall carpeting, flooring; paneling or ceiling tiles; air conditioning; built in heating equipment; septic tank; water heater; dishwasher, garbage disposal; driveways or walkways; fencing or walls; patio, terrace or detached deck; swimming pool, tennis court and other recreational structures; shed, detached garage or other buildings.

The microdata file also includes information about whether the household got a low interest loan or grant to pay for repairs and the amount spent in a typical year on routine repairs and maintenance.

Reverse annuity mortgages. These were defined to the respondent as “reverse annuity mortgage or home equity conversion mortgage." These mortgages involve borrowing against home equity for retirement or income and sometimes do not need to be repaid until after the owner's death.

Rooms. The respondent was asked to report all rooms in the housing unit. The interviewer then coded the responses into different categories. Rooms counted include whole rooms used for living purposes, such as bedrooms, living rooms, dining rooms, kitchens, recreation rooms, permanently enclosed porches that are suitable for year-round use, lodgers' rooms, and other finished rooms. Also included are rooms used for offices by a person living in the unit. Median for rooms is rounded to the nearest tenth (see Medians).

A dining room, to be counted, must be a separate room. It must be separated from adjoining rooms by built-in archways or walls that extend at least 6 inches from an intersecting wall. Half walls or bookcases count if built-in. Movable or collapsible partitions or partitions consisting solely of shelves or cabinets are not considered built-in walls.

Bathrooms, laundry rooms, utility rooms, pantries, and unfinished rooms are not counted as rooms.

Rooms used for business. A room used for business or office space is a room set up for use as an office or business such as rooms for: a business owner, contract worker, self-employed person, commercial use (such as daycare or catering) or regular job.

The question asked if rooms were exclusively used for business space. Followup questions asked if there is direct access to the outside without going through any other room and whether the space is used both as business space and for personal use. See also “Other activities on property."

Routine maintenance in last year. Routine maintenance consists of regular maintenance activities necessary for the preventive care of the structure, property and fixed equipment items. Included are such things as painting, papering, floor sanding, restoring of some shingles, fixing water pipes, replacing parts of large equipment, such as furnace, repairing fences, gutters, sidewalks, decks or patios, removing dangerous trees, termite inspection. Housecleaning is not included. Routine maintenance does not include work reported under the section on repairs, improvements, and alterations. Medians for routine maintenance are rounded to the nearest dollar.

Rural. See “Urban and rural residence."

Safety of primary source of water. Water was considered safe (consumable or potable) if the main water source was used or could be used for drinking. The respondent was not asked what source was used by the household for drinking but whether or not the main water source was safe for cooking and drinking. This item excludes units where the primary source of household water was commercial bottled water.

Sample size. The sample size is the unweighted count of the actual sample cases. See Appendix A in this report for an explanation of sample design.

Year	National Survey Sample Size
1993	64998
1995	63143
1997	58287
1999	67177
2001	62314
2003	71170
2005	69020

Year	Metro Area	Sample Size
1992		
	Birmingham	5229
	Cleveland	4767
	Indianapolis	5143
	Memphis	5438
	Newport News	5490
	Oklahoma City	5201
	Providence	5303
	Salt Lake City	5089
1993		
	Boston	5258
	Detroit	5233
	Minneapolis	5309
	San Jose	4836
	San Francisco	5265
	Tampa	4925
	Washington, DC	5549
1994		
	Anaheim	4410
	Buffalo	4369
	Dallas	4712
	Fort Worth	4340
	Milwaukee	4419
	Phoenix	4977

Year	Metro Area	Sample Size
1998		
	Baltimore	4741
	Birmingham	5066
	Boston	4528
	Cincinnati	5041
	Houston	4819
	Minneapolis	4796
	Norfolk/Newport News	4861
	Oakland	4753
	Providence	4724
	Rochester	4763
	Salt Lake City	4878
	San Francisco	4813
	San Jose	4804
	Tampa	4825
	Washington, DC	4816
2002		
	Anaheim-Santa Ana	4911
	Buffalo	4555
	Charlotte, NC	5119
	Columbus, OH	4936
	Dallas, TX	5743
	Fort Worth-Arlington, TX	5052
	Kansas City, MO-KS	4830
	Miami-Hialeah, FL	4770

	San Bernardino	5218
	San Diego	4394
1995		
	Charlotte	4097
	Columbus	4193
	Denver	4326
	Kansas City	4232
	Miami	4287
	New Orleans	4246
	Pittsburgh	4435
	Portland	4186
	San Antonio	4358
1996		
	Atlanta	4872
	Cleveland	4742
	Indianapolis	4797
	Memphis	4768
	Oklahoma City	4747
	Sacramento	4158
	Seattle	4834
	Milwaukee, WI	4823
	Phoenix, AZ	5056
	Portland, OR	4917
	Riverside-San Bernardino	5932
	San Diego, CA	4872
2004		
	Atlanta, GA	5132
	Cleveland, OH	4722
	Denver, CO	4834
	Hartford, CT	4728
	Indianapolis, IN	4814
	Memphis	4644
	New Orleans, LA	4516
	Oklahoma City, OK	4829
	Pittsburgh, PA	4723
	Sacramento, CA	4728
	Saint Louis	4741
	San Antonio, TX	4863
	Seattle, WA	4731

Savings. See “Amount of savings and investments."

Schools. See “Educational attainment" and “Neighborhood conditions and neighborhood services."

Seasonal units. See “Vacancy, seasonality, and marketing."

Selected amenities.

Porch, deck, balcony, or patio is counted if it is attached to the sample unit, not just to the building or free standing. Porches may be enclosed or open. The porch, deck, balcony, or patio is only counted if it is at least 4 feet by 4 feet.

Usable fireplace. Excludes the following: fireplaces that have been blocked off or whose chimney or flue has been filled, decorative or artificial fireplaces and wood stoves, even if shaped like a fireplace, like a Franklin stove. Free-standing fireplaces are included in this item.

Separate dining room. A separate dining room is an area separated from adjoining rooms by archways or wall that extend at least 6 inches from an intersecting wall. See “Rooms."

Living rooms, recreation rooms, etc. Includes family rooms, dens, recreation rooms and/or libraries.

Garage or carport. The garage or carport is only counted if it is on the same property, though not necessarily attached to the house. Off-street parking includes driveway or parking lot privileges that are paid for as part of the rent or owned with the unit. Data on garage or carport are not collected for occasional-use vacant units and other vacant units.

See also “Overall opinion of structure."

Selected deficiencies.

Signs of mice or rats. The statistics on signs of mice or rats refer to respondents who reported seeing mice or rats or signs of mice or rats inside the house or building during the 3 months prior to interview or while the household was living in the unit if less than 3 months. Signs of mice or rats include droppings, holes in the wall, or ripped or torn food containers.

Holes in floors. Respondents were asked about holes in the interior floors of the unit. The holes may or may not go all the way through to a lower floor or to the exterior of the unit. The holes are only counted if large enough for someone to trip in.

Open cracks or holes (interior). Statistics are presented on open cracks or holes in the interior wall or ceilings of the housing unit. Included are cracks or holes that do not go all the way through to the next room or to the exterior of the housing unit. Hairline cracks or cracks that appear in the walls or ceilings but are not large enough to insert the edge of a dime, are not counted. Very small holes caused by nails or other similar objects are also not counted.

Broken plaster or peeling paint (interior). The area of peeling paint or broken plaster must be on the inside walls or ceilings and at least one area of broken plaster or peeling paint must be larger than 8 inches by 11 inches.

Electric wiring. A housing unit is classified as having exposed electric wiring if the unit has any wiring that is not enclosed, either in the walls or in metal or plastic coverings. Excluded are appliance cords, extension cords, chandelier cords, and telephone, antenna, or cable television wires.

Electric wall outlets. A housing unit is classified as having rooms without electric wall outlets if there is not at least one working electric wall outlet in each room of the unit. A working electric wall outlet is one that is in operating condition; that is, it can be used when needed. If a room does not have an electric wall outlet, an extension cord used in place of a wall outlet is not considered to be an electric wall outlet.

Sewage disposal and sewage disposal breakdowns. A public sewer is connected to a city, county, sanitary district, neighborhood, or subdivision sewer system, serving six or more units. A septic tank or cesspool is an underground tank or pit used for disposal of sewage (serving five or fewer units). A chemical toilet, which may be inside or outside the unit, uses chemicals to

break down or dissolve sewage. Housing units for which sewage is disposed of in some other way are included in the Other category.

The data on breakdowns in the means of sewage disposal are limited to housing units in which the means of sewage disposal was a public sewer, septic tank, or cesspool. Breakdowns refer to situations in which the system was completely unusable. Examples include septic tank being pumped because it no longer perked, tank collapsed, tank exploded, sewer main broken, sewer treatment plant not operating as a result of electrical failure or water service interruption.

Data on breakdowns are shown if they occurred in the 3 months prior to the interview or while the household was living in the unit if less than 3 months, and if the breakdown lasted 6 consecutive hours or more. Housing units with a breakdown in sewage disposal also are classified according to the number of breakdowns.

See also “Painted surfaces."

Sharing. See “Cost and ownership sharing" and “ Time sharing."

Single children under 18 years old. See “Household composition."

Site placement. This item is collected for mobile homes. “Site" refers to location (other than the manufacturer's or dealer's lot) and not necessarily a mobile home park site. The mobile home was not necessarily occupied at each site, as long as it was set up for occupancy.

Source of drinking water. The statistics presented are restricted to units where the respondents answered that their primary source of drinking water was not safe to drink. Units where the primary source of water was commercial bottled water were excluded. See “Primary source of water."

Specified owner and renters. See “Monthly housing costs."

Square feet per person.
Books. Square feet per person is computed for each single-family detached housing unit and mobile home by dividing the square footage of the unit by the number of people in the unit. The figures shown refer to the number of housing units having the specified square feet per person. Median square footage is rounded to the nearest foot.

Microdata. Not applicable.

Square footage of unit. Housing size is shown for single family detached housing units and mobile homes. Excluded from the calculation of square footage are unfinished attics, carports, attached garages, porches that are not protected from weather (such as screened porches), and mobile home hitches. Both finished and unfinished basements are included. Median square footage is rounded to the nearest foot. Square footage is based on the respondent's estimate of the size of the unit.

Stories between main and apartment entrances. Data are presented for multiunit structures with two or more floors and are concerned with the number of floors from the main entrance

level of the building to the main entrance of the unit. “Same floor" indicates that the main entrance of the sample unit is on the same level as the main entrance that residents use to enter the building.

Stories in structure. The statistics are presented for all housing units, except for mobile homes. Any basement is included, whether finished or not. Finished attics also are included; unfinished attics are not. For split levels and bilevels, the number of stories is determined by the highest number of floors that are physically over each other.

Structure type of previous residence. These data are shown for householders who moved within the United States during the previous 12 months. They are based on the respondent's classification.

Subsidies. See “Rent reductions."

Suburbs. Suburbs are defined in the AHS as the portion of each metropolitan area that is not in any central city. See also “Central cities" and “Metropolitan areas."

Suitability for year-round use. See “Vacancy, seasonality, and marketing."

Supplemental heating equipment. Additional heating equipment for a heated area of the housing unit.

Taxes. See “Annual taxes paid per $1,000 value" and “Real estate taxes."

Tenure. Any housing unit is owner occupied (including a cooperative or condominium unit) if someone whose name is on the deed, mortgage, or contract to purchase, lives in the unit. Units where the elderly “buy" a unit to live in for the remainder of their lives, after which it reverts to the seller, are considered owner-occupied. All other occupied housing units are classified as renter occupied units, including units rented for cash, if occupants or others pay some rent, and/or occupied without payment of cash rent, such as a life tenancy or a unit that comes free with a job. Households who do not pay cash rent may still pay utilities.

Tenure of previous unit. These data are shown for householders who moved within the United States during the 12 months prior to the interview. The previous unit was owner occupied if the owner or co-owner lived in the unit. All other previous units were renter occupied.

Term of primary mortgage at origination or assumption. Term is the number of years from the date the present owner-occupants first obtained the present mortgage to the date the last payment is due according to the terms of the contract. On a balloon mortgage this term may be short, and the last payment very large. In the books, medians for term of primary mortgage are rounded to the nearest year.

Total outstanding principal amount.
Books. The statistics shown represent the total amount of principal that would have to be paid off if the loans were paid off in full on the date of interview. The formula used to calculate the outstanding principal amount does not take into account the fact that some households make additional principal payments. The resulting data, therefore, may be an overestimate of the total

outstanding principal. In the books, medians for outstanding principal amount are rounded to the nearest dollar. The data include all regular mortgages but exclude home equity loans.

Microdata. Not applicable.

Trash, litter, or junk on streets or any properties. The respondent was asked if there was trash, litter, or junk in the streets, roads, empty lots, or on any properties within 300 feet of the building. Major accumulation includes tires, appliances or large amounts of trash accumulated over a period of time. Minor accumulation includes small amounts of paper, cans, or bottles that do not give the impression of long neglect. The property on which the sample unit is located is included.

Trucks. See “Cars and trucks available."

Type of primary mortgage. The federal government agencies that currently insure or guarantee mortgages or similar debts include the Federal Housing Administration (FHA), the Department of Veterans Affairs (VA), and the Farmers Home Administration (FmHA). Mortgage insurance is a promise to pay the lender's losses in case the borrower fails to keep up the required mortgage payments and defaults on the loan. Such insurance protection is offered by the Government, acting as an insurance agent, and by private mortgage insurance companies. Mortgage loans that are not insured or guaranteed by these government agencies are referred to as “conventional" mortgages. Conventional mortgages, including mortgages insured or guaranteed by state or local governments, are shown as “Other types."

Units. See “Housing unit," “Occupied housing units," “Vacancy, seasonality, and marketing."

Units in structure. In determining the number of housing units in a structure, all units, occupied and vacant, were counted. The statistics are presented for the number of housing units, not the number of residential structures. A structure either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof.

Structures containing only one housing unit are further classified as: detached if it has open space on all four sides, or attached if it has unbroken walls extending from ground to roof that divide it from other adjoining structures, as in many rowhouses or townhouses. If a unit shares a furnace or boiler with adjoining units, then the walls are pierced by pipes or ducts, and all the units thus joined are included in one structure.

Mobile homes are shown as a separate category (see “Mobile homes").

Urban and rural residence. As defined for the 1980 census, urban housing comprises all housing units (a) in urbanized areas and (b) in places (see Places) of 2,500 or more inhabitants outside urbanized areas, but excluding housing units in the rural portions of extended cities. Housing units not classified as urban are rural housing.

Urbanized areas. In the 1980 census, each urbanized area comprised an incorporated place and adjacent densely settled area (1.6 or more people per acre, or 1,000 or more people per square mile) that together had at least 50,000 population. It also included some less dense adjacent land such as industrial parks and golf courses inside city limits.

More information on urbanized areas and the historical development of the urban-rural definition appears in the 1980 Census of Population reports, *Characteristics of the Population, Number of Inhabitants, PC80-1-A.*

Utilities. See “Monthly costs for electricity and gas."

Vacancy, seasonality. A housing unit is vacant if no one is living in it at the time of the interview, unless its occupants are only temporarily absent. In addition, housing units where all the occupants have a usual residence elsewhere are grouped with vacant units.

Year-round housing units. This includes all units occupied by people as their usual residence, regardless of design, and all vacant units that are intended by the owner for occupancy at all times of the year. For example, if a unit in a resort area is intended for occupancy in all seasons, it is a year-round unit.

For rent. Owners of some units offer them for rent. Other owners solicit offers either *for rent or* for sale. When separate categories for these are not shown, they are both included in *for rent, as in the rental vacancy rate.*

Rental vacancy rate. The rental vacancy rate is the number of vacant year-round units for rent as a percent of the total rental inventory; i.e., all renter-occupied housing units and all year-round vacant housing units for rent or rented, not occupied.

For sale only. Units “for sale only" are offered for sale, and the owner does not solicit renter-occupants, even though the owner might eventually rent the unit.

Rented or sold. If any money rent has been paid or agreed upon, but the new renter has not moved in as of the date of the interview, or if the unit has recently been sold, but the new owner has not yet moved in, the unit is classified as rented or sold.

Occasional use. These are units held for weekend or other occasional use throughout the year. Second homes may be classified here or as seasonal.

URE. These are temporarily occupied by persons with Usual Residence Elsewhere. If all people in a housing unit usually live elsewhere, the unit is classified as vacant. For example, a beach cottage occupied at the time of the interview by a family that has a usual residence in the city is included in the count of vacant units. Their home in the city or the home of a comparable vacationing family also can be in the AHS sample and would be reported as occupied since the occupants are only temporarily absent. URE units also may be classified in any of the vacancy categories: seasonal or for sale.

Other vacant. This category includes units held for settlement of an estate, units held for occupancy by a caretaker or janitor, and units held for personal reasons of the owner.

Seasonal units are intended by the owner to be occupied during only certain seasons of the year. They are not anyone's usual residence. A seasonal unit may be used in more than one season; for example, for both summer and winter sports. Published counts of seasonal units

also include housing units held for occupancy by migratory farm workers. While not currently intended for year-round use, most seasonal units could be used year-round; see the next item.

Suitability for year-round use. For vacant housing units that are not intended by their current owners for year-round use (seasonal and migratory), the respondent was asked whether the construction and heating of the housing unit made it suitable for the unit to be occupied on a year-round basis. A housing unit is suitable for year-round use if it is built as a permanent structure, properly equipped, insulated, and heated as necessitated by the climate.

Time sharing. This item is restricted to vacant housing units, including units temporarily occupied by people who have usual residences elsewhere. Time sharing is a form or ownership in which a single property is owned by multiple owners. Each is entitled to occupy the unit for a limited period of time. The number of years of ownership may vary depending on the terms of the contract. Participants in time-sharing ownership usually, but not always, receive a deed of ownership.

Duration of vacancy refers to the length of time (in months) from the date the last occupants moved from the housing unit to the date of the interview. The data, therefore, do not provide a direct measure of the total length of time that units remain vacant. For newly constructed units that have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date that conversion or merger was completed.

Last used as a permanent residence. The statistics refer to the length of time (in months) since units that are currently seasonal vacant were last used as a permanent residence, and is measured as of the date of interview. Units that have always been used for short-term or seasonal occupancy, are classified as *Never occupied as permanent home.*

Comparability. There may be differences between the AHS and other surveys that present vacancy rates. The differences may be attributed to such factors as differing interview periods, survey designs, survey techniques, and processing procedures, as well as differences in concepts and definitions. In addition, there are sampling and nonsampling errors.

Value. Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. Any nonresidential portions of the property, any rental units, and land cost of mobile homes, are excluded from the value. For vacant units, value represents the sale price asked for the property at the time of the interview, and may differ from the price at which the property is sold. In the books, medians for value are rounded to the nearest dollar. See also “Ratio of value to current income."

Water. See “Plumbing facilities," “Primary source of water and water supply stoppage," “Safety of primary source of water," “Source of drinking water."

Water leakage during last 12 months. Data on water leakage are shown if the leakage occurred in the 12 months prior to the interview or while the household was living in the unit if less than 12 months. Housing units with water leakage are classified by whether the water leaked in from inside or outside the building and by the most common areas (roof, basement,

walls, closed windows, or doors) or reasons (fixtures backed up or overflowed or pipes leaked) of water leakage.

Work. See “Income" and “Journey to work."

Year householder moved into unit. The data are based on the information reported for the householder and refer to the year of latest move. Thus, if the householder moved back into a housing unit previously occupied, the year of the latest move was to be reported. If the householder moved from one apartment to another in the same building, the year the householder moved into the present unit was to be reported. The intent is to establish the year present occupancy by the householder began. The year the householder moves is not necessarily the same year other members of the household move; although, in the great majority of cases the entire household moved at the same time. In the books, the median year householder moved into unit is rounded to the nearest year. See also “Year structure built."

Year primary mortgage originated. The year the primary mortgage was originated is the year the mortgage was signed (see Primary mortgage). In the books, medians for year primary mortgage originated are rounded to the nearest year.

Year structure built. Year structure built represents the respondent's estimate of when the building was first constructed, not when it was remodeled, added to, or converted. The figures refer to the number of housing units in structures built during the specified periods and in existence at the time of the interview. For mobile homes, the manufacturer's model year was assumed to be the year built. For mobile homes, the year the householder moved in can be earlier than the year the structure was built because the mobile home site, not the mobile home itself, is in sample. The householder could have replaced an older mobile home with a newer model. In the books, median year built is rounded to the nearest year.

Year unit acquired. The year the unit was acquired or inherited refers to the year in which the present owner acquired or inherited the house or apartment; for example, the year the contract was signed. This date may be different from the date when the occupants moved in. If the land and building were bought at different times, the year the building was acquired was recorded. If there was a land contract only, the year the contract was signed was recorded. In the books, median year acquired is rounded to the nearest year.

Appendix C: SAS Programming Tips

This section is intended to provide some helpful hints and starting points for using the SAS statistical package to write programs for AHS data. It is not intended to serve as an introduction to SAS, or to statistical packages in general; rather, it assumes an already moderate amount of knowledge and familiarity with the use of SAS on the part of the reader.

Hopefully, this section will provide enough information to engage users in thinking about how to set things up in their programs, or lead them to refer to the SAS technical documentation for information on particular SAS commands. The information is SAS specific and may or may not be applicable to other statistical packages. Instructions on converting SAS files for use with SPSS are included at the very end of this section.

Data structure

AHS users should consider the following issues related to data structure to make processing easier.

Flat file versus pieces

Since 1997, the Census Bureau has published the AHS data in a SAS transport file containing different modules. The modules make data analysis easier by breaking the dataset into pieces. To conduct an analysis using the entire dataset, a “file-flattener” program that combines the modules into a format similar to the pre-1997 data is available on HUD USER. The main advantage of using the single file format is that all of the variables are in one place, allowing for analyses involving data across modules without having to merge on the data each time. The main disadvantage of this method is that the data file is much larger than when the data is in pieces because all variables must be included for each observation, even if they contain no information.

Head of household information location in flat file

In the flat file format, information on the household reference person (often known as the “head of the household”) is stored in position “1” of the collection of variables. For example, the marital status of the household reference person is stored in “MAR1”, his/her education is stored in “GRAD1”, etc. Therefore, it is not necessary to check the relationship codes each time the person characteristic variables are being used.

Data Manipulation

Particularly when working with large datasets such as the AHS, simplifying programs is critical to decreasing SAS processing time. This section provides a few brief tips on how to manipulate data in a manner that will increase SAS program speed.

File size

Generally in SAS, the smaller the data file is, the faster the program will run. This is because SAS is very disk intensive. Minimizing the amount of disk access reduces the running time of the program. Keep in mind the following to minimize file size:

Keep and Drop to adjust variables

- The SAS "keep" and "drop" data statements can be used to restrict which specific variables are in the data file.
- Limit the data file for analysis just to those variables that you are interested in analyzing will reduce file size and processing time.

Limiting numbers of observations

- Eliminate unnecessary observations by using the "delete" statement.
- Create a larger restriction on the number of observations in a data file through the "obs" option. This option can be used as part of the "options" global statement or as an option on the "data" and "set" commands. This feature is particularly useful when running a program for the first time to test for errors.

SAS compress option

- SAS can automatically compress the data sets it uses when given the "compress=yes" command on the "options" statement. The result of this command is that all datasets used by SAS are automatically reduced in size, if possible. Smaller datasets lead to less disk access, but potentially more CPU time for reading and writing.
- Given the current relationship in many computer networks of very fast processors to slow disk and network access, using the compress option generally leads to reduced processing time in programs and less disk space used.

Use of arrays

- "Arrays" are a method of easily referring to groups of variables as if they were vectors.
- Using an array simplifies programs and program maintenance. The user can set up loops to cycle through all of the variables in the array as opposed to large chunks of code to refer to every variable of interest.

Weighting

The AHS is a survey of housing units and so requires the use of "weights" to estimate the total numbers of households with a particular characteristic. For nearly all applications, the adjusted weight is the most appropriate weight to use.

Adjusted weight

- The adjusted weight – stored in the "weight" variable – is the estimated number of households that a particular observation is believed to represent.
- This weight is adjusted each year based on control totals from other Census data sources. This weight should provide a fairly accurate count of number of housing units with a particular characteristic.

Pure weight

- The pure weight – stored in the "pwt" variable – is the inverse of the probability of selection from when the sample was drawn.
- This weight will generally be constant except if there were changes in the sample (such as years with metro oversampling). This weight generally should only be used for certain time series analysis.

Missing values

While the introduction to the Allocation Variables chapter discusses the codings of missing values under the AHS, a useful tip for users is to know how SAS treats missing values in equality statements. Generally, SAS treats missing values as having a value less than all other values. This can cause logic issues for some programs. For example, if a statement in a SAS program says to set up a new variable "if age<10 ....", then that statement would technically be true for all cases of age less than 10 AND all cases of missing data. As a result, you must set up the program to control for that condition, such as making the statement "if age<10 and age>-1 ...." to ensure that you do not include missing values.

Character vs. numeric definitions

SAS stores variable information as either character or numeric. There are times where you will want it in one format as opposed to another. It is not always possible to convert, for example you can't convert a variable with the value of "a" to a numeric. But, you can convert a character "1" to a numeric "1" and vice versa.

This conversion may be useful depending on your particular analyses. In the following examples, "charvar" is the name of the character variable, while "numvar" is the name of the numeric variable. Note it is not possible to use the same name for both variables.

Converting numeric to character

- One way to convert a numeric variable to a character variable is to append a space at the end like:

```
Charvar=numvar||" ";
```

Converting character to numeric

- One way to convert a character variable to a numeric variable to add a 0 to it, like:

```
Numvar=charvar+0;
```

- Note that both the old and the new variables will exist in the data set. To remove the variable from the data set, use the SAS “drop” data statement.

Appearance for results

Although SAS is an extremely good statistical package, it is far weaker with presentation of information. There are a few “tips” to have the presentation of results look better.

Use of formats

Formats prompt SAS output to display a label associated with a particular value, rather than just the numeric code. AHS users may create self-designed formats using the “format” procedure, or pre-defined SAS formats for most variables are available on HUD USER.

Use of variable labels

Analogous to formats, SAS can display a label associated with a variable name as opposed to just the variable name. To associate a variable label, use the “label” command in a data statement.

SAS character sets

When SAS displays results, it uses different characters to display borders and lines in tables. These characters can be adjusted using the “-formchar” option. The default can also be adjusted by changing the system options.

Converting SAS files for use with SPSS

The SPSS syntax command for reading in various datasets in the SAS transport file is:

get sas data=”file name” dset (dataset name)

where dataset names are the file modules mentioned at the beginning of this section, and further discussed in Appendix H. Note that if you omit specifying a dataset name, the command will extract only the first dataset in the transport file, which will probably be household or newhouse.

Appendix D: Allocations

General. Missing items on each housing unit are sometimes left on the file as missing data. Otherwise they are filled by *cold deck allocation* (for example TENURE is filled with owners twice as often as renters, mirroring the universe) or *hot deck allocation* (copying the answer from the most recent similar case processed). For hot deck allocation, the similar cases are defined by the cells of matrices, with the variables used in the construction of the matrix shown below.

When an answer is changed by allocating or editing, another variable is set to 1=edited or 2=allocated (0=unchanged). This variable has the same name as the substantive variable, with J added at the front, like JVALUE. If the variable name is already six characters long, the first letter is changed to J, like JENURE, the allocation variable for TENURE. The J does not stand for anything; it was chosen to minimize ambiguity, since only one active name already began with J (see index). For each variable, the codebook lists the corresponding allocation variable and what matrix was used, if applicable.

Please note that while the conventional hot deck method is used for many variables, the income allocation process was changed beginning in 2005. A spike in zeroes and a high volume of missing values mean that the various components of income are not distributed normally, resulting in a conventional hot deck having a bias towards zero. Therefore, a triangular regression for the nine income variables was created for proper income allocation. The observations in each income type were split into hot deck cells of approximately 500 observations. The regression coefficients and cutpoints were applied to the cases with missing data, which assigned missing data to each hot deck cell. Missing data was then imputed using the nine hot decks in the usual manner. For additional details, please review Scott Susin's, "Imputation via Triangular Regression-based Hot Deck," (2006) available at http://www.huduser.org/intercept.asp?loc=/Datasets/ahs/hotdeck.pdf.

Purpose. Hot deck allocation preserves the mean and distribution of data. If an average value were used to fill missing data, distributions would appear much narrower than they are. Some groups have higher rates of missing data than others. For example, annual earnings are missing for young people much more often than for older people. If missing data were ignored, the average and distribution of the other people would be biased upwards, since the missing earnings are disproportionately low. The effect can be seen by comparing results with and without allocated data, using the J variables to identify allocated data. Bias remains, since the non-respondents vary in unknown ways from respondents, and the income data in particular are very weak (see Appendix D of Volume 3 of the AHS codebook), but hot deck allocation reduces the bias. While allocated data are generally wrong for the particular household, the overall distribution may be right. When variables are cross-tabulated, consider omitting allocated data since they weaken comparisons: the allocated cases will show random patterns, which will obscure any true relationship present. Also the allocated cases give a spurious impression of large sample sizes, where the actual sample may be much smaller.

Revisions. These matrices are revised for 1997 and future years. The previous matrices had been used since the 1980s, slightly revised from the ones used in the 1970s, which in turn appear to have been adapted from the Current Population Survey. The older matrices are shown in the Codebook Volume 1 pages 1-68 to 1-72. The purpose of the revision of allocation matrices has been to group similar homes together and avoid very small cells, where cases are

few and far between. For information on the current construction of each matrix, please contact the American Housing Survey Branch of the Census Bureau at: ahsn@census.gov or 301-457-3235.

Keeping cells as large as possible, while making sure they contain homogeneous cases, means the cells are refreshed with new data as frequently as possible. This is important for two reasons. First, frequent refreshing of a cell keeps the donor record and the recipient record geographically close together, helping to control for climate, metropolitan status, cost of living, and other regional variations, since the cases are processed in geographic order. Second, frequent refreshing means very few donor records donate data to more than one recipient record, since the donor records are replaced frequently. Multiple donations raise variance significantly, since the donor record in effect gets its own weight plus the weight of each recipient record.

Standard matrix. Matrix E is used on most items. It is a general purpose classification, to be used when no special matrix has been designed. The revision of Matrix E is designed to make units in each cell be as homogeneous as possible on housing adequacy, date built, and income (income is not allocated from this matrix, but is a good proxy for some of the items that are).

To clarify terms, each matrix, like E, can be considered as two dimensional: the columns are defined (27 of them in matrix E), and there is a separate row for each variable to be allocated. Thus HEQUIP is allocated from one row of E, and HFUEL from another row. Each data record goes into just one column of the matrix, but it will donate data into many rows and may take data out of other rows whenever it has missing data. The definitions below only define the columns of each matrix. Rows are defined by the number of edits (given earlier) that specify "allocate using matrix E."

A previous version of Matrix E classified cells by tenure, by sex and race of head of household, and by number of units. The female, black and multi-family cells are generally small. There was very little difference between single family and multifamily units, once other factors were controlled. Presence of spouse distinguished homes better than sex of householder, and can usefully be combined with race, ethnicity and elderly status, since “socio-economically disadvantaged” groups often have similar housing conditions.

It was also very effective to distinguish in Matrix E by size of unit and cost. For size, units with zero, one or two bedrooms were similar and are grouped. Bedrooms are used instead of total rooms to avoid problems with all the component types that go into total rooms. Similarly, cost of renters is based on contract rent, to avoid problems with the various components of gross rent (selected monthly housing costs). The change in the cutoffs of value and rent with additional bedrooms approximates the differences among medians, by size. If narrower ranges of cost were used, there would have been somewhat better consistency in Matrix E, but with the disadvantage of more small cells.

Rooms. Matrix B, for rooms, is rearranged in the revision with less detail among small households and more detail by type of structure, since these groups had the most consistency for bedrooms and baths, the items that vary most in this matrix.

Costs. Matrix D, for utilities, is redesigned in terms of number of bedrooms and people, which distinguish utility costs better than race and sex. Increasing from one person to two or more adds about as much to electricity and gas cost as adding a bedroom. It does not seem to make much difference whether the extra person is a spouse, other adult or child. Increasing to three or more people does not have much additional effect. The effects may be different for water and trash, but these costs are so small it does not seem worthwhile to design, program and maintain special matrices for them. Matrix D also distinguishes when gas and electricity are the main

heating fuel, versus when they are just used for other purposes (cooking, lighting, hot water). Oil and other fuels do not get this treatment, since they are insignificant except when they are the main heating fuel, and making a distinction would create many tiny cells.

Matrix H, to allocate amount of mortgage as fraction of value, is used differently from other matrices. Known loan amounts are subtracted from VALUE to get remaining equity, and a loan is allocated so it is the same fraction of this remaining equity in donor and recipient records. For example: the donor has three loans totaling 90 percent of value: 75 percent, 5 percent and 10 percent respectively. The recipient has VALUE=100,000, with 52,000 and 7,000 in the first two mortgages. The donor's third loan is 10/(100-75-5) = 10/20 of the donor's remaining equity. The recipient's remaining equity is 100,000-52,000-7,000 = 41,000, so the third loan is allocated as 10/20 of 41000 = 20,500. The approach shown allows each loan to be allocated independently, but keeps a reasonable and consistent total for all loans, relative to the value of the house. The alternatives of allocating each loan as a fraction of VALUE or of other mortgages would often create total allocated plus unallocated loans exceeding VALUE.
Matrices for mortgage term and interest are broken by year, which is more significant than value of house. Secondary mortgages are few and quite homogeneous, both by year and by value of house, so they are not subdivided in the matrix.

If monthly payment is not known, it is not allocated, but rather calculated. If the monthly payment question is answered but the answer disagrees substantially with the calculated value, the answer is nevertheless kept since it is more likely to be right than the long list of items used in calculating the payment.

Income. Matrix G1 is used to allocate wages. Householders and spouses have similar wages, after controlling for sex of the earner and housing cost. Other relatives have similar incomes after controlling for age and housing cost. For these reasons, the relationship codes were collapsed. Age categories for children under 25 are now more detailed since this population is numerous and average income changes sharply with age. Cost of housing, a strong correlate of income, also has more detailed categories.

The Matrix G2 is used, to allocate presence of income sources (other than wages). Presence of Social Security and pensions is extremely correlated with age of the elder of the householder or spouse, rising significantly above age 50, and jumping at 62 and 65.

The Matrix G3 is used to allocate the amount of family income other than wages.

The Matrix G10 is used to allocate total income of non-relatives.

In general, the presence of children is a better predictor of welfare and alimony than household size. Age 35 is a better distinguishing level for the sources of income than 25. Couples combined with sex of householder is more powerful than sex alone. Some cells become very small, and so have been collapsed.

For persons who refuse to answer income, the questionnaire has a fallback question that asks whether total family income was over $25,000 (LT25K). The matrices already discussed are allocated, ignoring this total, since each piece of income is allocated, and it may be high or low, independent of the total. Subdividing the matrices by high or low income would not help, since not all of a household's income is necessarily allocated, so the household's total could still be inconsistent. A multi-step edit is specified after the G matrices to force consistency: If the total already allocated agrees with LT25K, no further changes are needed. Also if just the unallocated amounts exceed $25,000 and the family said the total was under $25,000, the constraint on the total is ignored and the detailed sources of income is used. But if allocated

amounts are the sole cause of a conflict with LT25K, this conflict is resolved by increasing or decreasing all the allocated amounts until consistency is reached. This creates a range of outcomes, rather than forcing people just below or above $25,000 as has been done before.

As a measure of quality and respondent cooperation, the original answers to LT25K and INV20K are preserved, even if they are inconsistent.

Commuting and Movers. The Matrix JTW is used for commuting. The variable allocated would be minutes per mile, TIMEJ(w)/DISTJ(w), so if either is reported, the other can be calculated from the allocation matrix. If both are missing, then TIMEJ(w) is allocated from Matrix G1, along with the mode and carpool variables.

The previous approach used Matrix F to allocate location of previous residence. This is omitted from the revision, so numerous missing cases will be preserved in the final data, since the distribution of previous locations is not meaningful when it is imputed.

Revisions. The research on allocation matrices can be fine-tuned at any time to identify better patterns of homogeneous groups. The patterns themselves are unlikely to change in the next 10 to 20 years, but the whole approach may be slightly revised from year to year. For exact information on the construction of matrices in any particular year of the AHS, please contact the American Housing Survey Branch of the Census Bureau at: ahsn@census.gov or 301-457-3235.

Initialization. The matrices are initialized by running through the file once whenever any allocation matrix definition is changed. The final matrix contents can be stored and used as initial values. This simplifies maintenance, since the variables allocated by each matrix do not need to be mentioned in the matrix specifications, and can be changed in the edit specifications alone, with no concerns about keeping the matrix specifications consistent with the edit specifications.

A list of variables used to create each matrix is provided below.

Matrix A – To Impute Number of Units: Classify by Tenure, Vacancy and Number of Floors

- FLOORS
- ISTATUS
- TENURE
- VACANCY

Matrix B – To Impute Number of Rooms and Floors: Classify by Tenure, Vacancy, Structure and Household Size

- **ISTATUS**
- **NUNIT2**
- **NUNITS**
- **PER**
- **TENURE**
- **VACANCY**

Matrix D – To Impute Utility Costs: Classify by Tenure, Bedrooms, People and Main Heating Fuel

- **BEDRMS**
- **HFUEL**
- **PER**
- **TENURE**
- **VACANCY**

Matrix E – To Impute Most Items: Classify by Tenure, Householder Sex, Race, Ethnicity, Age, Cost and Type of Structure

- **AGE**
- **BEDRMS**
- **FRENT**
- **ISTATUS**
- **NUNIT2**
- **RACE**
- **RENT**
- **SPAN**
- **SPOS**
- **TENURE**
- **VACANCY**
- **VALUE**

Matrix G1 – To Impute Wages (and Total Income of Nonrelatives): Classify by Relationship, Tenure, Age, Sex, Race and Ethnicity

- **AGE**
- **BEDRMS**
- **FRENT**
- **RACE**
- **RENT**
- **REL**
- **SEX**
- **SPAN**
- **TENURE**
- **VALUE**

Matrix G2 – To Impute Presence of Income Sources Other than Wages and Social Security: Classify by Relationship, Tenure, Age, Sex, and Presence of Children

- **AGE**
- **BEDRMS**
- **FRENT**
- **RACE**
- **RENT**
- **SEX**
- **SPOS**
- **TENURE**

Matrix GA – To Impute Presence of Social Security: Classify by Older of Householder or Spouse

- **AGE**

Matrix G3 – To Impute Amount of Relatives' Income Other than Wages: Classify by Relationship, Tenure, Age, Sex, Presence of Children, and Presence of Income Sources

- **AGE**
- **LT25K**
- **QALIM**
- **QBUS**
- **QDIV**
- **QINT**
- **QOTHER**
- **QRENT**
- **QWELF**
- **QWKCMP**
- **SEX**
- **SPOS**
- **TENURE**
- **ZINC**

Matrix H – To Impute Amount Originally Borrowed: Classify by Number of Mortgages

- **AMMORT**
- **AMMRT2-AMMRT3**
- **MATBUY**

- **VALUE**

Matrix I – To Impute Years Needed to Pay off Mortgage and Interest Rate: Classify by Year Borrowed and Type of Mortgage

- **Primary Mortgage**
- **Secondary Mortgage**
- **Year Borrowed**
- **Year of Survey**

Matrix JTW – To Impute Time and Distance to Work: Classify by Mode of Transportation

- **TRAN**

Appendix E: Coding for Exclusion from Universes

Census uses blanking edits to indicate when values are “out of universe” or not present subject to certain conditions. This appendix contains the contains the exact codings for these “out of universe” conditions. The following 15 variables are included in the Census codings but are not available in the public use file. For more information on them, please contact the Census Bureau.

Variables Listed in Codings For Exclusion from Universe Not in PUF

Variable	*Description*
GQINST	Defines units as being in group quarters or not and whether the group quarters are institutional (jails) or non-institutional (dorms)
FPHEQP	Determines if a fireplace is considered to be heating equipment.
HHMEM	Identifies if a current occupant is a household member.
INCSAM	Identifies whether a serial number is in sample for the first time, or is a returning case.
OWNLOT1	Determines if mobile home occupants own the land where the unit is sited.
OWNLOT2	Determines if a vacant or URE-occupied mobile home is on owned or rented land.
PEELRM	Determines which room has the most peeling paint (in the lead paint module)
PHAFLG	Identifies units that are part of a public housing authority. (This variable is not actually used.)
REPLHH	Identifies replacement households. (Used to create the SAMEHH Variable.)
RMOVM	Month of move for recent movers.
ROOM	Variable for room heaters as secondary equipment. (It is split into FLIN and FLOT.)
SPOUS	Line number of spouse.
SPOUS_FLG	Identifies if spouse is present in household.
SURVEYEAR	Identifies survey year.
TOTINC	Recode at time of interview for total family income. (Uses unedited data.)

ACCESS

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [(STATUS eq 1 to 3)] AND [GQINST eq 'I'] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
5 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

AFUEL

1 : [(STATUS eq 1 to 3)] AND [AIRSYS eq 2] ; OR
2 : [(STATUS ne 1 to 3)]

AFUR

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

AIR

1 : [(STATUS ne 1 to 3)]

AIRSYS

1 : [(STATUS ne 1 to 3)]

AMMORT

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMMRT2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMMRT3

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMMRT4

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL eq 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMRTZ

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and NEWMOR ne 2] AND [(TERM eq 15 to 41)] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [NEWMOR eq 2] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMRTZ2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and NEWMR2 ne 2] AND [(TERM2 eq 15 to 41)] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [NEWMR2 eq 2] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMTE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYE eq 1 to 3)]

AMTF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
5 : [STATUS eq 1] AND [BILLF eq 2]

AMTG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
5 : [STATUS eq 1] AND [BILLG eq 2] ; OR
6 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

AMTI

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [(RCNTRL eq 1 to 2) or RCNTRL eq 'D' or RCNTRL eq 'R'] ; OR
4 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [PROJ eq 1] ; OR
5 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [SUBRNT eq 1] ; OR
6 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
7 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
8 : [(STATUS ne 1 to 3)] ; OR
9 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [BUYI eq 2 or BUYI eq 'D' or BUYI eq 'R'] ; OR
10 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

AMTM

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [OTHPMT ne 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMTM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [OTPMT2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

AMTO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
5 : [STATUS eq 1] AND [BILLO eq 2]

AMTT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
5 : [STATUS eq 1] AND [BILLT eq 2]

AMTW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
5 : [STATUS eq 1] AND [BILLW eq 2]

ANCHOR

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
2 : [(STATUS ne 1 to 3)]

ANYCAR

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [ANYRUG ne 1] ; OR
3 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
4 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [STATUS ne 1]

ANYPNT

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

ANYRUG

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

APPLY

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 'D' and (RENEW eq 1 or RENEW eq 'R') and REPHA ne 2 and PHAFLG ne 1] ; OR
8 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 'D' and (RENEW eq 2 or RENEW eq 'D') and SUBRNT ne 1 and PHAFLG ne 1] ; OR
9 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 1] ; OR
10 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [SUBRNT eq 2 and PHAFLG ne 1] ; OR
11 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
12 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

ARM

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

ARM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

BADSTEP

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
2 : [STATUS eq 4]

BANK

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN ne 4 and MORTIN ne 'D' and MORTIN ne 'R'] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

BANK2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 ne 4 and MORTN2 ne 'D' and MORTN2 ne 'R'] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

BATHS

1 : [(STATUS ne 1 to 3)]

BBLDG

1 : [STATUS eq 4] AND [(NOINT ne 11 to 12) and (NOINT ne 14 to 17)] ; OR
2 : [STATUS ne 4]

BDCARP

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [ANYCAR ne 1] ; OR
3 : [STATUS eq 1] AND [ANYRUG ne 1] ; OR
4 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
5 : [STATUS eq 1] AND [BEDRMS eq 0] ; OR
6 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
7 : [STATUS ne 1]

BEAF78

1 : [STATUS eq 1] AND [(LAT70S eq 5 to 7)] ; OR
2 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [BUILT le 1970 and BUILT ge 1919] ; OR
5 : [STATUS ne 1]

BEDRMS

1 : [(STATUS ne 1 to 3)]

BEDX

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [ANYCAR ne 1] ; OR
3 : [STATUS eq 1] AND [ANYRUG ne 1] ; OR
4 : [STATUS eq 1] AND [BDCARP ne 1] ; OR
5 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
6 : [STATUS eq 1] AND [BEDRMS eq 0] ; OR
7 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
8 : [STATUS ne 1]

BIGP

1 : [STATUS eq 4]

BIGPEL

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [OUTPEL ne 1] ; OR
5 : [STATUS eq 1] AND [OUTPNT ne 1] ; OR
6 : [STATUS ne 1]

BILLF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)]

BILLFE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYE eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLF eq 1 or BILLF eq 'D' or BILLF eq 'R']

BILLFG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLF eq 1 or BILLF eq 'D' or BILLF eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLFO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLF eq 1 or BILLF eq 'D' or BILLF eq 'R']

BILLFT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLF eq 1 or BILLF eq 'D' or BILLF eq 'R']

BILLFW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLF eq 1 or BILLF eq 'D' or BILLF eq 'R']

BILLG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLGE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [(BUYE eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLG eq 1 or BILLG eq 'D' or BILLG eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLGF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLG eq 1 or BILLG eq 'D' or BILLG eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLGO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLG eq 1 or BILLG eq 'D' or BILLG eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLGT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLG eq 1 or BILLG eq 'D' or BILLG eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLGW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLG eq 1 or BILLG eq 'D' or BILLG eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYO eq 1 to 3)]

BILLOE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYE eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLO eq 1 or BILLO eq 'D' or BILLO eq 'R']

BILLOF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLO eq 1 or BILLO eq 'D' or BILLO eq 'R']

BILLOG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLO eq 1 or BILLO eq 'D' or BILLO eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLOT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLO eq 1 or BILLO eq 'D' or BILLO eq 'R']

BILLOW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLO eq 1 or BILLO eq 'D' or BILLO eq 'R']

BILLT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTT eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYT eq 1 to 3)]

BILLTE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTT eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYE eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLT eq 1 or BILLT eq 'D' or BILLT eq 'R']

BILLTF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTT eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLT eq 1 or BILLT eq 'D' or BILLT eq 'R']

BILLTG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTT eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLT eq 1 or BILLT eq 'D' or BILLT eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLTO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTT eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLT eq 1 or BILLT eq 'D' or BILLT eq 'R']

BILLTW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
5 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
6 : [STATUS eq 1] AND [BILLT eq 1 or BILLT eq 'D' or BILLT eq 'R']

BILLW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTW eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYW eq 2 to 3)]

BILLWE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTW eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYE eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLW eq 1 or BILLW eq 'D' or BILLW eq 'R']

BILLWF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTW eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYF eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLW eq 1 or BILLW eq 'D' or BILLW eq 'R']

BILLWG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTW eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYG eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLW eq 1 or BILLW eq 'D' or BILLW eq 'R'] ; OR
8 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BILLWO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTW eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [(BUYO eq 1 to 3)] ; OR
6 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
7 : [STATUS eq 1] AND [BILLW eq 1 or BILLW eq 'D' or BILLW eq 'R']

BILLWT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(BUYT eq 1 to 3)] ; OR
5 : [STATUS eq 1] AND [(BUYW eq 2 to 3)] ; OR
6 : [STATUS eq 1] AND [BILLW eq 1 or BILLW eq 'D' or BILLW eq 'R']

BLDMNT

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

BLEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [LEAK ne 1] ; OR
3 : [STATUS eq 4]

BLOON

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

BLOON2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

BOARDU

1 : [STATUS eq 4] AND [(NOINT ne 11 to 12) and (NOINT ne 14 to 17)] ; OR
2 : [STATUS ne 4]

BSINK

1 : [(STATUS ne 1 to 3)]

BUILT

1 : [(STATUS ne 1 to 3)]

BURNER

1 : [(STATUS eq 1 to 3)] AND [COOK eq 1] ; OR
2 : [(STATUS ne 1 to 3)]

BUSPER

1 : [(STATUS eq 2 to 3)] ; OR
2 : [(STATUS ne 1 to 3)]

BUYE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTE eq 4 to 998)]

BUYE2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 3 or VACANCY eq 5) and CONDO ne 2] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1]

BUYF

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTF eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [BILLF eq 2]

BUYF2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 3 or VACANCY eq 5) and CONDO ne 2] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1]

BUYG

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTG eq 4 to 998)] ; OR
5 : [STATUS eq 1] AND [BILLG eq 2] ; OR
6 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

BUYG2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 3 or VACANCY eq 5) and CONDO ne 2] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1]

BUYI

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [(RCNTRL eq 1 to 2) or RCNTRL eq 'D' or RCNTRL eq 'R'] ; OR
4 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [PROJ eq 1] ; OR
5 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [SUBRNT eq 1] ; OR
6 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
7 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
8 : [(STATUS ne 1 to 3)]

BUYO

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTO eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [BILLO eq 2]

BUYO2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 3 or VACANCY eq 5) and CONDO ne 2] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1]

BUYT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTT eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [BILLT eq 2]

BUYT2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1]

BUYW

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [(AMTW eq 4 to 9998)] ; OR
5 : [STATUS eq 1] AND [BILLW eq 2]

BUYW2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1]

CABNX

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [CABREP ne 1] ; OR
5 : [STATUS ne 1]

CABREP

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

CAMF

1 : [(STATUS eq 1 and (TENURE eq 2 to 3)) or ((STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4)))] AND [(NUNIT2 eq 1 to 3)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R') and (NUNIT2 eq 1 to 3)] ; OR
3 : [(STATUS eq 1 to 3)] AND [IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R'] ; OR
4 : [(STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5)] AND [MHSTAY eq 2] ; OR
5 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
6 : [(STATUS ne 1 to 3)]

CANVAR

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [NEWMOR eq 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

CANVR2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [NEWMR2 eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

CARS

1 : [(STATUS eq 2 to 3)] ; OR
2 : [(STATUS ne 1 to 3)]

CELLAR

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 to 5)] ; OR
2 : [(STATUS ne 1 to 3)]

CFUEL

1 : [(STATUS eq 1 to 3)] AND [COOK eq 2 and BURNER eq 2 and OVEN eq 2] ; OR
2 : [(STATUS ne 1 to 3)]

CLIMB

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3] ; OR
2 : [(STATUS ne 1 to 3)]

COKST

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

CONDO

1 : [(STATUS ne 1 to 3)]

COOK

1 : [(STATUS ne 1 to 3)]

CPRICE

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [(LPRICE eq 1 to 999998) or LPRICE eq .D or LPRICE eq .R] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [CUSHOM eq 5 or PREOCC eq 1] ; OR
4 : [STATUS eq 1] AND [TENURE ne 1] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

CRACKS

1 : [STATUS eq 4]

CROPSL

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [((NUNIT2 eq 1 to 2) or NUNIT2 eq 4) and QBUS eq 1 and LOT le 44000] ; OR
3 : [STATUS eq 1] AND [((NUNIT2 eq 1 to 2) or NUNIT2 eq 4) and QBUS ne 1] ; OR
4 : [STATUS eq 1] AND [NUNIT2 eq 3 or NUNIT2 eq 5]

CUSHOM

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [(NUNIT2 eq 3 to 5)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [FRSTOC eq '2' or FRSTOC eq 'D' or FRSTOC eq 'R' or REPLHH eq '1'] ; OR
4 : [STATUS eq 1] AND [TENURE ne 1] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

DAFUR

1 : [(STATUS eq 1 to 3)] AND [AFUR ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

DCOKST

1 : [(STATUS eq 1 to 3)] AND [COKST ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

DELECT

1 : [(STATUS eq 1 to 3)] AND [ELECT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

DENS

1 : [(STATUS ne 1 to 3)]

DFIRE

1 : [STATUS eq 4] AND [(NOINT ne 30 to 31)] ; OR
2 : [STATUS ne 4]

DFLOT

1 : [(STATUS eq 1 to 3)] AND [FLOT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

DFRPL

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPL ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DFRPLI

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPLI ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DFUEL

1 : [(STATUS eq 1 to 3)] AND [DRY eq 2] ; OR
2 : [(STATUS ne 1 to 3)]

DHOTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HOTH ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DHPMP

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HPMP ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DINING

1 : [(STATUS ne 1 to 3)]

DIRAC

1 : [(STATUS eq 2 to 3)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1] AND [(EXCLUS ne 1 to 10)]

DISAS

1 : [STATUS eq 4] AND [(NOINT ne 30 to 31)] ; OR
2 : [STATUS ne 4]

DISH

1 : [(STATUS ne 1 to 3)]

DISPL

1 : [(STATUS eq 1 to 3)] AND [SINK ne 1] ; OR
2 : [(STATUS ne 1 to 3)]

DOORX

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [DORREP ne 1] ; OR
5 : [STATUS ne 1]

DORREP

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

DPLF

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [PLF ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DRSHOP

1 : [(STATUS ne 1 to 3)] ; OR
2 : [STATUS eq 1] AND [(TENURE eq 2 to 3)]

DRY

1 : [(STATUS ne 1 to 3)]

DSTEAM

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STEAM ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DSTOVE

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STOVE ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

DWNPAY

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [CUSHOM eq 5 or PREOCC eq 1] ; OR
3 : [STATUS eq 1] AND [TENURE ne 1] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

EABAN

1 : [STATUS eq 4]

EAGE

1 : [STATUS eq 4]

EAPTBL

1 : [STATUS eq 4]

EBAR

1 : [STATUS eq 4]

EBARCL

1 : [(STATUS eq 1 to 3)] AND [EABAN eq 4] ; OR
2 : [STATUS eq 4]

EBOARD

1 : [STATUS eq 4]

EBROKE

1 : [STATUS eq 4]

ECOM1

1 : [STATUS eq 4]

ECOM2

1 : [STATUS eq 4]

ECRUMB

1 : [STATUS eq 4]

EGOOD

1 : [STATUS eq 4]

EGREEN

1 : [STATUS eq 4]

EHIGH

1 : [(STATUS eq 1 to 3)] AND [EAPTBL ne 1] ; OR
2 : [STATUS eq 4]

EHOLER

1 : [STATUS eq 4]

EJUNK

1 : [STATUS eq 4]

ELECT

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

ELEV

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3] ; OR
2 : [(STATUS ne 1 to 3)]

ELOW1

1 : [STATUS eq 4]

ELOW2

1 : [(STATUS eq 1 to 3)] AND [EAPTBL ne 1] ; OR
2 : [STATUS eq 4]

EMID

1 : [(STATUS eq 1 to 3)] AND [EAPTBL ne 1] ; OR
2 : [STATUS eq 4]

EMISSR

1 : [STATUS eq 4]

EMISSW

1 : [STATUS eq 4]

EMOBIL

1 : [STATUS eq 4]

EPRKG

1 : [STATUS eq 4]

EPRKGA

1 : [(STATUS eq 1 to 3)] AND [EPRKG ne 1] ; OR
2 : [STATUS eq 4]

EPRKGR

1 : [(STATUS eq 1 to 3)] AND [EPRKG ne 1] ; OR
2 : [STATUS eq 4]

EPRKGS

1 : [(STATUS eq 1 to 3)] AND [EPRKG ne 1] ; OR
2 : [STATUS eq 4]

EROAD

1 : [STATUS eq 4]

ESAGR

1 : [STATUS eq 4]

ESFD

1 : [STATUS eq 4]

ESLOPW

1 : [STATUS eq 4]

ETRANS

1 : [STATUS eq 4]

EVROD

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 4]

EVRTES

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [LDTEST eq 1] ; OR
5 : [STATUS ne 1]

EWATER

1 : [STATUS eq 4]

EXCLUS

1 : [(STATUS eq 2 to 3)] ; OR
2 : [(STATUS ne 1 to 3)]

EXPOSE

1 : [STATUS eq 4] AND [NOINT ne 12 and (NOINT ne 14 to 15)] ; OR
2 : [STATUS ne 4]

FAFUR

1 : [(STATUS eq 1 to 3)] AND [AFUR ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

FAMRM

1 : [(STATUS ne 1 to 3)]

FCOKST

1 : [(STATUS eq 1 to 3)] AND [COKST ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

FELECT

1 : [(STATUS eq 1 to 3)] AND [ELECT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

FFLIN

1 : [(STATUS eq 1 to 3)] AND [FLIN ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

FFLOT

1 : [(STATUS eq 1 to 3)] AND [FLOT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

FFRPL

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPL ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FFRPLI

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPLI ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FHOTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HOTH ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FHPMP

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HPMP ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FIXED

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

FIXED2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

FLIN

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS eq 1 to 3)] AND [ROOM ne 'X'] ; OR
4 : [(STATUS ne 1 to 3)]

FLOODPLN

1 : [(STATUS eq 1 to 3)] AND [EWATER ne 1] ; OR
2 : [STATUS eq 4]

FLOORS

1 : [(STATUS ne 1 to 3)]

FLOT

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS eq 1 to 3)] AND [ROOM ne 'X'] ; OR
4 : [(STATUS ne 1 to 3)]

FLRENT

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R') and (NUNIT2 eq 1 to 3) and (CONDO eq 1 to 2)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(INCS eq 2 or INCS eq 'D' or INCS eq 'R') and (CONDO eq 3) and (NUNIT2 eq 1 to 3)] ; OR
3 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
4 : [(STATUS eq 1 to 3)] AND [INCS eq 2 or INCS eq 'D' or INCS eq 'R'] ; OR
5 : [(STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5)] AND [(OWNLOT2 eq 1 or OWNLOT2 eq 'D' or OWNLOT2 eq 'R') and (NUNIT2 eq 4 to 5)] ; OR
6 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
7 : [(STATUS ne 1 to 3)] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [LANPMT eq 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [(OWNLOT1 eq 1 or OWNLOT1 eq 'D' or OWNLOT1 eq 'R') and (NUNIT2 eq 4 to 5)]

FMHOTF

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFOTHF eq 2 or IFOTHF eq 'D' or IFOTHF eq 'R') and (NUNIT2 eq 4 to 5) and (MHSTAY ne 2)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
3 : [(STATUS eq 1 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [(STATUS eq 1 to 3)] AND [IFOTHF eq 2 or IFOTHF eq 'D' or IFOTHF eq 'R'] ; OR
5 : [(STATUS eq 2 to 3)] AND [(NUNIT2 eq 4 to 5) and (VACANCY eq 3 or VACANCY eq 5) and MHSTAY eq 2] ; OR
6 : [(STATUS eq 2 to 3)] AND [(NUNIT2 eq 4 to 5) and (VACANCY ne 1 to 5)] ; OR
7 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
8 : [(STATUS ne 1 to 3)]

FOOD

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and SPOUS(L_NO) ne 0 and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or SPOUS_FLG eq 1)] ; OR
5 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and TEN(L_NO) eq 'X'] ; OR
6 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) le 26] ; OR
7 : [STATUS eq 1] AND [AGE(L_NO) le 15] ; OR
8 : [STATUS eq 1] AND [LODSTA eq 2 or LODSTA eq 'D' or LODSTA eq 'R']

FPINS

1 : [(STATUS eq 1 to 3)] AND [FPHEQP ne 1] ; OR
2 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

FPLF

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [PLF ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FPLWK

1 : [(STATUS ne 1 to 3)]

FPORTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [PORTH ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FREEZE

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
3 : [STATUS eq 4]

FRENT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1] ; OR
6 : [STATUS eq 1] AND [TENURE eq 3]

FRPL

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FRPLI

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FRSIT

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 1 to 3)] ; OR
2 : [(STATUS ne 1 to 3)]

FRSTHO

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [DWNPAY eq '1'] ; OR
3 : [STATUS eq 1] AND [TENURE ne 1] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

FRSTOC

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [BUILT lt 1990] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

FSTEAM

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STEAM ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

FSTOVE

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STOVE ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

GARAGE

1 : [(STATUS ne 1 to 3)]

GASPI2

1 : [(STATUS eq 2 to 3)] AND [HFUEL ne 2] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1]

GASPIP

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1] AND [BUYG eq 1] ; OR
5 : [STATUS eq 1] AND [USEGAS eq 2 or USEGAS eq 'D' or USEGAS eq 'R']

GPM

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

GPM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

GPMW

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

GPMW2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

GRDMNT

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

HALFB

1 : [(STATUS ne 1 to 3)]

HEBAL1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HETYP1 ne 1] AND [HETYP1 ne 2] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HETYP1 eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEBAL2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HETYP2 ne 1] AND [HETYP2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HETYP2 eq 2] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEBAL3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HETYP3 ne 1] AND [HETYP3 ne 2] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3] AND [HETYP3 eq 2] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
10 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEBAM1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HETYP1 eq 1] AND [HEBAL1 ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEBAM2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HETYP2 eq 1] AND [HEBAL2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEBAM3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HETYP3 eq 1] AND [HEBAL3 ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HECR1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HETYP1 ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HECR2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HETYP2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HECR3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3] AND [HETYP3 ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEINF1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HEBAL1 ne 2 and HEBAL1 ne 'D' and HEBAL1 ne 'R'] AND [(HEINW1 ne 1 to 25)] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HETYP1 eq 1] AND [HEBAL1 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEINF2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HEBAL2 ne 2 and HEBAL2 ne 'D' and HEBAL2 ne 'R'] AND [(HEINW2 ne 1 to 25)] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HETYP2 eq 1] AND [HEBAL2 ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEINF3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HEBAL3 ne 2 and HEBAL3 ne 'D' and HEBAL3 ne 'R'] AND [(HEINW3 ne 1 to 25)] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HETYP3 eq 1] AND [HEBAL3 ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
10 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEINW1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HETYP1 eq 1] AND [HEBAL1 ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEINW2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HETYP2 eq 1] AND [HEBAL2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEINW3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HETYP3 eq 1] AND [HEBAL3 ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HELMP1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HETYP1 ne 1] AND [HETYP1 ne 2] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HETYP1 eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HELMP2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HETYP2 ne 1] AND [HETYP2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HETYP2 eq 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HELMP3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HETYP3 ne 1] AND [HETYP3 ne 2] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3] AND [HETYP3 eq 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
10 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HENUM

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEPMT1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1 and HETYP1 eq 1] AND [HEBAL1 ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEPMT2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2 and HETYP2 eq 1] AND [HEBAL2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEPMT3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 3 and HETYP3 eq 1] AND [HEBAL3 ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HEQUIP

1 : [(STATUS ne 1 to 3)]

HERE

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [(HERE ne .B and REL lt 30)]

HETYP1

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HETYP2

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HETYP3

1 : [STATUS eq 1 and TENURE eq 1 and HEL eq 1] AND [HENUM lt 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 1] AND [HENUM eq 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and HENUM ge 2] AND [HENUM eq 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 4] AND [HEL ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1]

HFUEL

1 : [(STATUS ne 1 to 3)]

HOLES

1 : [STATUS eq 4]

HOTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

HOTPIP

1 : [(STATUS ne 1 to 3)]

HOWH

1 : [STATUS ne 1]

HOWN

1 : [STATUS ne 1]

HPMP

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

HUHIS

1 : [(STATUS eq 1 to 4)] AND [INCSAM eq 1] ; OR
2 : [(STATUS eq 1 to 4)] AND [SAMEDU ne 2]

IFBLOW

1 : [(STATUS eq 1 to 3)] AND [NOWIRE eq 3] ; OR
2 : [STATUS eq 4]

IFCOLD

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
3 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
4 : [STATUS eq 4]

IFDRY

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [HOTPIP ne 1] ; OR
3 : [STATUS eq 4]

IFFEE

1 : [(STATUS eq 1 and (TENURE eq 2 to 3)) or ((STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4)))] AND [(NUNIT2 eq 1 to 3)] ; OR
2 : [(STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5)] AND [MHSTAY eq 2] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS ne 1 to 3)]

IFOTHF

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
2 : [(STATUS eq 1 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
3 : [(STATUS eq 2 to 3)] AND [(NUNIT2 eq 4 to 5) and (VACANCY eq 3 or VACANCY eq 5) and MHSTAY eq 2] ; OR
4 : [(STATUS eq 2 to 3)] AND [(NUNIT2 eq 4 to 5) and (VACANCY ne 1 to 5)] ; OR
5 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
6 : [(STATUS ne 1 to 3)]

IFSEW

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [PUBSEW ne 1 and (SEWDIS ne 1 to 2)] ; OR
3 : [STATUS eq 4]

IFTLT

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [BATHS lt 2 and TOILET ne 1] ; OR
3 : [STATUS eq 4]

ILEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 4]

INCP

1 : [(STATUS eq 1 to 3)] AND [GARAGE eq 1] ; OR
2 : [(STATUS ne 1 to 3)]

INCS

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R') and (NUNIT2 eq 1 to 3) and (CONDO eq 1 to 2)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
3 : [(STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5)] AND [(OWNLOT2 eq 1 or OWNLOT2 eq 'D' or OWNLOT2 eq 'R') and (NUNIT2 eq 4 to 5)] ; OR
4 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [(OWNLOT1 eq 1 or OWNLOT1 eq 'D' or OWNLOT1 eq 'R') and (NUNIT2 eq 4 to 5)] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [(OWNLOT1 eq 2 or OWNLOT1 eq ' ') and MG ne 1 and (NUNIT2 eq 4 to 5)]

INPMT2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

INSPMT

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

INTF

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

INTF2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

INTW

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

INTW2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

INV20K

1 : [STATUS ne 1]

KEXCLU

1 : [(STATUS eq 1 to 3) and (NUNIT2 eq 3 or NUNIT2 eq 5)] AND [SINK ne 1 or REFR ne 1 or (COOK ne 1 and BURNER ne 1 and OVEN ne 1)] ; OR
2 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
3 : [(STATUS ne 1 to 3)]

KITCH

1 : [(STATUS ne 1 to 3)]

LANPMT

1 : [(STATUS eq 1 and TENURE eq 1 and MG ne 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [CONDO eq 3 and INCS eq 1 and (NUNIT2 eq 1 to 3)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R') and (NUNIT2 eq 1 to 3) and (CONDO eq 1 to 2)] ; OR
3 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFOTHF eq 2 or IFOTHF eq 'D' or IFOTHF eq 'R') and (NUNIT2 eq 4 to 5) and (MHSTAY ne 2)] ; OR
4 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(INCS eq 2 or INCS eq 'D' or INCS eq 'R') and (CONDO eq 3) and (NUNIT2 eq 1 to 3)] ; OR
5 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
6 : [(STATUS eq 1 to 3)] AND [IFOTHF eq 1] ; OR
7 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 2) or VACANCY eq 4] ; OR
8 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
9 : [(STATUS ne 1 to 3)] ; OR
10 : [STATUS eq 1] AND [TENURE eq 2] ; OR
11 : [STATUS eq 1] AND [TENURE eq 3]

LAT70S

1 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
2 : [STATUS eq 1] AND [BUILT le 1970 and BUILT ge 1919] ; OR
3 : [STATUS ne 1]

LAUNDY

1 : [(STATUS ne 1 to 3)]

LDMAYB

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [MOVE eq &SURVYEAR or (MOVE eq (&SURVYEAR-1) and RMOVM ge 9)] ; OR
5 : [STATUS ne 1]

LDTEST

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

LEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 4]

LIVEAT

1 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

LIVING

1 : [(STATUS ne 1 to 3)]

LODRNT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and SPOUS(L_NO) ne 0 and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or SPOUS_FLG eq 1)] ; OR
5 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and TEN(L_NO) eq 'X'] ; OR
6 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) le 26] ; OR
7 : [STATUS eq 1] AND [AGE(L_NO) le 15] ; OR
8 : [STATUS eq 1] AND [LODSTA eq 2 or LODSTA eq 'D' or LODSTA eq 'R']

LODSTA

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and SPOUS(L_NO) ne 0 and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or SPOUS_FLG eq 1)] ; OR
5 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and TEN(L_NO) eq 'X'] ; OR
6 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) le 26] ; OR
7 : [STATUS eq 1] AND [AGE(L_NO) le 15]

LOON

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and VARY eq 2 and FIXED eq 'X' and ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and BLOON ne 'X' and VARM ne 'X'] AND [ARMASK ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and VARY eq 2] AND [BLOON ne 'X'] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

LOON2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2 and VARY2 eq 2 and FIXED2 eq 'X' and ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and BLOON2 ne 'X' and VARM2 ne 'X'] AND [ARMASK2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and VARY2 eq 2] AND [BLOON2 ne 'X'] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

LOT

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 eq 3 or NUNIT2 eq 5] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [(CONDO eq 1 to 2)]

LPRICE

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [(CUSHOM eq 3 to 4)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [CUSHOM eq 5 or PREOCC eq 1] ; OR
4 : [STATUS eq 1] AND [TENURE ne 1] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

LRENT

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R') and (NUNIT2 eq 1 to 3) and (CONDO eq 1 to 2)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(INCS eq 2 or INCS eq 'D' or INCS eq 'R') and (CONDO eq 3) and (NUNIT2 eq 1 to 3)] ; OR
3 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
4 : [(STATUS eq 1 to 3)] AND [INCS eq 2 or INCS eq 'D' or INCS eq 'R'] ; OR
5 : [(STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5)] AND [(OWNLOT2 eq 1 or OWNLOT2 eq 'D' or OWNLOT2 eq 'R') and (NUNIT2 eq 4 to 5)] ; OR
6 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
7 : [(STATUS ne 1 to 3)] ; OR
8 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [LANPMT eq 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [(OWNLOT1 eq 1 or OWNLOT1 eq 'D' or OWNLOT1 eq 'R') and (NUNIT2 eq 4 to 5)]

LT25K

1 : [STATUS ne 1]

LTSOK

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
2 : [STATUS eq 4]

LTSOK1

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
2 : [STATUS eq 4]

LTSOK2

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
2 : [STATUS eq 4]

LVALUE

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
3 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

LVCARP

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [(LIVING ne 1 to 5)] ; OR
3 : [STATUS eq 1] AND [ANYCAR ne 1] ; OR
4 : [STATUS eq 1] AND [ANYRUG ne 1] ; OR
5 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
6 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
7 : [STATUS ne 1]

M3ROD

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [EVROD ne 1] ; OR
3 : [STATUS eq 4]

MAJR1

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

MAJR2

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

MAJR3

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

MARKET

1 : [(STATUS eq 2 to 3)] AND [(VACANCY ne 2 and VACANCY ne 3 and VACANCY ne 5) or (((VACANCY eq 2 to 3) or VACANCY eq 5) and TIMSHR ne 2)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
3 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MARKT ne 1] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

MARKT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY ne 2 and VACANCY ne 3 and VACANCY ne 5) or (((VACANCY eq 2 to 3) or VACANCY eq 5) and TIMSHR ne 2)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
3 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

MATBUY

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MATBY2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MCNT

1 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MCOM

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MCOM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MFARM

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MFARM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MH32

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 and NUNITS ne 2) or ((NUNIT2 eq 4 to 5) and TPARK ne 1)] ; OR
2 : [(STATUS ne 1 to 3)]

MH41

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 and NUNITS ne 2) or ((NUNIT2 eq 4 to 5) and TPARK ne 1)] ; OR
2 : [(STATUS eq 1 to 3)] AND [MH32 eq 2 or MH32 eq 'D' or MH32 eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

MH42

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 and NUNITS ne 2) or ((NUNIT2 eq 4 to 5) and TPARK ne 1)] ; OR
2 : [(STATUS eq 1 to 3)] AND [MH32 eq 2 or MH32 eq 'D' or MH32 eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

MH43

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 and NUNITS ne 2) or ((NUNIT2 eq 4 to 5) and TPARK ne 1)] ; OR
2 : [(STATUS eq 1 to 3)] AND [MH32 eq 2 or MH32 eq 'D' or MH32 eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

MH44

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 and NUNITS ne 2) or ((NUNIT2 eq 4 to 5) and TPARK ne 1)] ; OR
2 : [(STATUS eq 1 to 3)] AND [MH32 eq 2 or MH32 eq 'D' or MH32 eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

MH45

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 3 and NUNITS ne 2) or ((NUNIT2 eq 4 to 5) and TPARK ne 1)] ; OR
2 : [(STATUS eq 1 to 3)] AND [MH32 eq 2 or MH32 eq 'D' or MH32 eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

MHOTFE

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFOTHF eq 2 or IFOTHF eq 'D' or IFOTHF eq 'R') and (NUNIT2 eq 4 to 5) and (MHSTAY ne 2)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
3 : [(STATUS eq 1 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [(STATUS eq 1 to 3)] AND [IFOTHF eq 2 or IFOTHF eq 'D' or IFOTHF eq 'R'] ; OR
5 : [(STATUS eq 2 to 3)] AND [(NUNIT2 eq 4 to 5) and (VACANCY eq 3 or VACANCY eq 5) and MHSTAY eq 2] ; OR
6 : [(STATUS eq 2 to 3)] AND [(NUNIT2 eq 4 to 5) and (VACANCY ne 1 to 5)] ; OR
7 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
8 : [(STATUS ne 1 to 3)]

MHSETQ

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
2 : [(STATUS eq 1 to 3)] AND [ANCHOR ne 1] ; OR
3 : [(STATUS ne 1 to 3)]

MHSTAY

1 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(IFFEE eq 2 or IFFEE eq 'D' or IFFEE eq 'R') and (NUNIT2 eq 1 to 3)] ; OR
2 : [(STATUS eq 1 and TENURE eq 1) or ((STATUS eq 2 to 3) and (VACANCY eq 3 or VACANCY eq 5))] AND [(NUNIT2 eq 1 to 3) and IFFEE eq 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 2) or VACANCY eq 4] ; OR
4 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [(NUNIT2 eq 4 to 5)] ; OR
7 : [STATUS eq 1] AND [TENURE eq 2] ; OR
8 : [STATUS eq 1] AND [TENURE eq 3]

MICE

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [EVROD ne 1] ; OR
3 : [STATUS eq 1] AND [M3ROD ne 1] ; OR
4 : [STATUS eq 4]

MINR1

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

MINR2

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

MINR3

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE eq 1] ; OR
3 : [STATUS eq 4]

MOPERM

1 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [(LVALUE eq 1 to 999998) or LVALUE eq .D or LVALUE eq .R] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

MORTIN

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MORTN2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

MOVAC

1 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [(LVALUE eq 1 to 999998) or LVALUE eq .D or LVALUE eq .R] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
5 : [STATUS eq 2] ; OR
6 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

MUSTEL

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

NEWMOR

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MATBUY ne 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

NEWMR2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MATBY2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

NLEAK1

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [ILEAK ne 1] ; OR
3 : [STATUS eq 4]

NLEAK2

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [ILEAK ne 1] ; OR
3 : [STATUS eq 4]

NOINT

1 : [STATUS ne 4]

NONE

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [See comments] ; OR
3 : [(STATUS ne 1 to 3)]

NOOTHRM

1 : [(STATUS ne 1 to 3)]

NOTSUR

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [EVROD ne 1] ; OR
3 : [STATUS eq 1] AND [M3ROD ne 1] ; OR
4 : [STATUS eq 4]

NOWIRE

1 : [STATUS eq 4]

NROWNR

1 : [(STATUS eq 2 to 3)] AND [(VACANCY ne 2 and VACANCY ne 3 and VACANCY ne 5) or (((VACANCY eq 2 to 3) or VACANCY eq 5) and TIMSHR ne 2)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
3 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

NRPAYM

1 : [(STATUS eq 2 to 3)] AND [(VACANCY ne 2 and VACANCY ne 3 and VACANCY ne 5) or (((VACANCY eq 2 to 3) or VACANCY eq 5) and TIMSHR ne 2)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
3 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

NUMAIR

1 : [(STATUS eq 1 to 3)] AND [AIR eq 2 or AIR eq 'D' or AIR eq 'R'] ; OR
2 : [(STATUS ne 1 to 3)]

NUMBLOW

1 : [(STATUS eq 1 to 3)] AND [NOWIRE eq 3] ; OR
2 : [STATUS eq 1] AND [IFBLOW ne 1] ; OR
3 : [STATUS eq 4]

NUMCOLD

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [IFCOLD eq 2] ; OR
6 : [STATUS eq 4]

NUMDRY

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [HOTPIP ne 1] ; OR
3 : [STATUS eq 1] AND [IFDRY ne 1] ; OR
4 : [STATUS eq 4]

NUMSEW

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [IFSEW ne 1] ; OR
3 : [STATUS eq 1] AND [PUBSEW ne 1 and (SEWDIS ne 1 to 2)] ; OR
4 : [STATUS eq 4]

NUMTLT

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [BATHS lt 2 and TOILET ne 1] ; OR
3 : [STATUS eq 1] AND [IFTLT ne 1] ; OR
4 : [STATUS eq 4]

NUNIT2

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

NUNITS

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

OAFUEL

1 : [(STATUS eq 1 to 3)] AND [AIRSYS eq 2] ; OR
2 : [(STATUS eq 1 to 3)] AND [OARSYS eq 2 or OARSYS eq 'D' or OARSYS eq 'R'] ; OR
3 : [(STATUS ne 1 to 3)]

OARSYS

1 : [(STATUS eq 1 to 3)] AND [AIRSYS eq 2] ; OR
2 : [(STATUS ne 1 to 3)]

OTBUP

1 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
2 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

OTHCLD

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [IFCOLD eq 2] ; OR
6 : [STATUS eq 4]

OTHEST

1 : [STATUS ne 1]

OTHFN

1 : [(STATUS ne 1 to 3)]

OTHLQ

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [(STATUS eq 1 to 3)] AND [TYPE gt 3] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
5 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

OTHPMT

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

OTHRUN

1 : [(STATUS ne 1 to 3)]

OTLEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [LEAK ne 1] ; OR
3 : [STATUS eq 4]

OTPMT2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

OUTPEL

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [OUTPNT ne 1] ; OR
5 : [STATUS ne 1]

OUTPNT

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

OVEN

1 : [(STATUS eq 1 to 3)] AND [BURNER eq 1] ; OR
2 : [(STATUS eq 1 to 3)] AND [COOK eq 1] ; OR
3 : [(STATUS ne 1 to 3)]

OWNHERE

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 4 and TPARK lt 2) or (NUNIT2 eq 1 to 2)]

OWNLOT

1 : [((STATUS eq 1 and (NUNIT2 eq 1 to 3) and TENURE ne 1) or ((STATUS eq 2 to 3) and ((NUNIT2 eq 1 to 3) or MHSTAY eq 2)) or STATUS eq 4)] AND [OWNLOT ne ‘B']

PAFUR

1 : [(STATUS eq 1 to 3)] AND [AFUR ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

PAPHLT

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [MOVE eq &SURVYEAR or (MOVE eq (&SURVYEAR-1) and RMOVM ge 9)] ; OR
5 : [STATUS ne 1]

PCOKST

1 : [(STATUS eq 1 to 3)] AND [COKST ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

PEELAM

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BIGP ne 1] ; OR
4 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [STATUS eq 1] AND [PEELRM ne 1] ; OR
6 : [STATUS eq 1] AND [PEELSZ eq 1] ; OR
7 : [STATUS ne 1]

PEELSZ

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BIGP ne 1] ; OR
4 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [STATUS eq 1] AND [PEELRM ne 1] ; OR
6 : [STATUS ne 1]

PELECT

1 : [(STATUS eq 1 to 3)] AND [ELECT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

PFLOT

1 : [(STATUS eq 1 to 3)] AND [FLOT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

PFRPL

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPL ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PFRPLI

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPLI ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PHOTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HOTH ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PHPMP

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HPMP ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PILEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [ILEAK ne 1] ; OR
3 : [STATUS eq 4]

PINCO2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

PINCOP

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

PLEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [ILEAK ne 1] ; OR
3 : [STATUS eq 4]

PLF

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PLUGS

1 : [(STATUS eq 1 to 3)] AND [NOWIRE eq 3] ; OR
2 : [STATUS eq 4]

PMT

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

PMT2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

PMT3

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

PMT4

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL eq 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

PORCH

1 : [(STATUS ne 1 to 3)]

PORTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PPLF

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [PLF ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PRENT

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [((RNTADJ eq 1 to 2) or RNTADJ eq 'D' or RNTADJ eq 'R') and PHAFLG ne 1] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(VCHER eq 2 or VCHER eq 'D' or VCHER eq 'R') and PHAFLG ne 1] ; OR
8 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 'D' and (RENEW eq 1 or RENEW eq 'R') and REPHA ne 2 and PHAFLG ne 1] ; OR
9 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 'D' and (RENEW eq 2 or RENEW eq 'D') and SUBRNT ne 1 and PHAFLG ne 1] ; OR
10 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [SUBRNT eq 2 and PHAFLG ne 1] ; OR
11 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
12 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

PREOCC

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [(CUSHOM eq 1 to 5) or CUSHOM eq 'D' or CUSHOM eq 'R' or CUSHOM eq ' '] ; OR
3 : [STATUS eq 1] AND [TENURE ne 1] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

PROJ

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [SUBRNT eq 2 and PHAFLG ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

PSTEAM

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STEAM ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PSTOVE

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STOVE ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

PUBSEW

1 : [(STATUS ne 1 to 3)]

PVALUE

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 1 to 2) and CONDO eq 3 and LOT le 440000 and DRSHOP ne 1] ; OR
2 : [(STATUS eq 1 to 3)] AND [(NUNIT2 ne 4 and CONDO ne 3) or NUNIT2 eq 4] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY ne 2 and VACANCY ne 3 and VACANCY ne 5) or (((VACANCY eq 2 to 3) or VACANCY eq 5) and TIMSHR ne 2)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 5 and TIMSHR eq 2] ; OR
5 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [(LVALUE eq 1 to 999998) or LVALUE eq .D or LVALUE eq .R] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
9 : [STATUS eq 1] AND [(TENURE eq 2 to 3)] ; OR
10 : [STATUS eq 3] AND [VACANCY eq 1 or VACANCY eq 2 or VACANCY eq 4] ; OR
11 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

QALIM

1 : [STATUS ne 1]

QBINV

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [LT25K eq 1] ; OR
3 : [STATUS eq 1] AND [TOTINC gt 25000]

QBUS

1 : [STATUS ne 1]

QDIV

1 : [STATUS ne 1]

QFS1

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [LT25K eq 1] ; OR
3 : [STATUS eq 1] AND [TOTINC gt 25000]

QINT

1 : [STATUS ne 1]

QMEN

1 : [STATUS ne 1]

QOINV

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [LT25K eq 1] ; OR
3 : [STATUS eq 1] AND [TOTINC gt 25000]

QOTHER

1 : [STATUS ne 1]

QRENT

1 : [STATUS ne 1]

QSAVNG

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [LT25K eq 1] ; OR
3 : [STATUS eq 1] AND [TOTINC gt 25000]

QSS

1 : [STATUS ne 1]

QWELF

1 : [STATUS ne 1]

QWKCMP

1 : [STATUS ne 1]

RAILOK

1 : [(STATUS eq 1 to 3)] AND [(BADSTEP ne 2 to 3)] ; OR
2 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
3 : [STATUS eq 4]

RAILOK1

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
2 : [STATUS eq 4]

RAILOK2

1 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 3 and NUNIT2 ne 5] ; OR
2 : [STATUS eq 4]

RATS

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [EVROD ne 1] ; OR
3 : [STATUS eq 1] AND [M3ROD ne 1] ; OR
4 : [STATUS eq 4]

RCNTRL

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [PROJ eq 1] ; OR
3 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [SUBRNT eq 1] ; OR
4 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
5 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
6 : [(STATUS ne 1 to 3)] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(VCHER eq 2 or VCHER eq 'D' or VCHER eq 'R') and PHAFLG ne 1] ; OR
8 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [APPLY eq 2 and PHAFLG ne 1] ; OR
9 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
10 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 1] ; OR
11 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [REPHA eq 2 and PHAFLG ne 1] ; OR
12 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [VCHER eq 1 and PHAFLG ne 1] ; OR
13 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
14 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

RECRM

1 : [(STATUS ne 1 to 3)]

REFR

1 : [(STATUS ne 1 to 3)]

RENEW

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

RENT

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1] ; OR
6 : [STATUS eq 1] AND [TENURE eq 3]

REPHA

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(RENEW eq 2 or RENEW eq 'D' or RENEW eq 'R') and PHAFLG ne 1] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

RESMOR

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [PINCOP ne 1 and MFARM ne 1 and MCOM ne 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

RESMR2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [PINCO2 ne 1 and MFARM2 ne 1 and MCOM2 ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

RESPTYP

1 : [STATUS eq 1] AND [(STATUS ne 2 to 3)] ; OR
2 : [STATUS eq 4]

REUAD

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [(STATUS eq 1 to 3)] AND [INCSAM eq 0] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
5 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

RLEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [LEAK ne 1] ; OR
3 : [STATUS eq 4]

RNTADJ

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(VCHER eq 2 or VCHER eq 'D' or VCHER eq 'R') and PHAFLG ne 1] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [APPLY eq 2 and PHAFLG ne 1] ; OR
8 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
9 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 1] ; OR
10 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [REPHA eq 2 and PHAFLG ne 1] ; OR
11 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [VCHER eq 1 and PHAFLG ne 1] ; OR
12 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
13 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

RNTDUE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and PAR(L_NO) ne 0 and PAR(L_NO) ne <> and TEN(PAR) eq 'X'] ; OR
4 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and SPOUS(L_NO) ne 0 and SPOUS(L_NO) ne <> and (TEN(SPOUS) eq 'X' or SPOUS_FLG eq 1)] ; OR
5 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) ge 27 and TEN(L_NO) eq 'X'] ; OR
6 : [STATUS eq 1] AND [AGE(L_NO) ge 16 and REL(L_NO) le 26] ; OR
7 : [STATUS eq 1] AND [AGE(L_NO) le 15] ; OR
8 : [STATUS eq 1] AND [LODSTA eq 2 or LODSTA eq 'D' or LODSTA eq 'R']

SAFUR

1 : [(STATUS eq 1 to 3)] AND [AFUR ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

SAL

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [(HHMEM ne 1 or AGE lt 16)]

SAMEDU

1 : [(STATUS eq 1 to 4)] AND [INCSAM eq 1]

SCOAL

1 : [(STATUS ne 1 to 3)]

SCOKST

1 : [(STATUS eq 1 to 3)] AND [COKST ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

SELECT

1 : [(STATUS eq 1 to 3)] AND [ELECT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

SELL

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [BANK ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN ne 4 and MORTIN ne 'D' and MORTIN ne 'R'] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

SELL2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [BANK2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 ne 4 and MORTN2 ne 'D' and MORTN2 ne 'R'] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

SEWDIS

1 : [(STATUS eq 1 to 3)] AND [PUBSEW eq 1] ; OR
2 : [(STATUS ne 1 to 3)]

SEWDUS

1 : [(STATUS eq 1 to 3)] AND [(SEWDIS eq 2 to 5) or SEWDIS eq 'D' or SEWDIS eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [PUBSEW eq 1] ; OR
3 : [(STATUS ne 1 to 3)]

SFLIN

1 : [(STATUS eq 1 to 3)] AND [FLIN ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

SFLOT

1 : [(STATUS eq 1 to 3)] AND [FLOT ne 'X'] ; OR
2 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
3 : [(STATUS ne 1 to 3)]

SFRPL

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPL ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SFRPLI

1 : [(STATUS eq 1 to 3)] AND [FPLWK eq 2 or FPLWK eq 'D' or FPLWK eq 'R'] ; OR
2 : [(STATUS eq 1 to 3)] AND [FRPLI ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SGAS

1 : [(STATUS ne 1 to 3)]

SHARAT

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 2 and SHARAT ne 1 and SHARFR ne 1] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
5 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

SHARFR

1 : [(STATUS eq 1 to 3)] AND [(TYPE eq 10 to 11)] ; OR
2 : [(STATUS eq 1 to 3)] AND [NUNIT2 ne 2 and SHARAT ne 1 and SHARFR ne 1] ; OR
3 : [(STATUS eq 1 to 3)] AND [SHARAT eq 1] ; OR
4 : [STATUS eq 4] AND [(NOINT eq 1 to 6)] ; OR
5 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
6 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

SHARPF

1 : [(STATUS eq 1 to 3)] AND [HOTPIP ne 1 and BSINK ne 1 and TOILET ne 1 and TUB ne 1] ; OR
2 : [(STATUS ne 1 to 3)]

SHOTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HOTH ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SHPMP

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [HPMP ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SINK

1 : [(STATUS ne 1 to 3)]

SJUICE

1 : [(STATUS ne 1 to 3)]

SKERO

1 : [(STATUS ne 1 to 3)]

SMPEEL

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BIGPEL ne 1] ; OR
4 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [STATUS eq 1] AND [OUTPEL ne 1] ; OR
6 : [STATUS eq 1] AND [OUTPNT ne 1] ; OR
7 : [STATUS ne 1]

SNDPNT

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [ANYPNT ne 1] ; OR
3 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
4 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
5 : [STATUS ne 1]

SOIL

1 : [(STATUS ne 1 to 3)]

SOTHER

1 : [(STATUS ne 1 to 3)]

SPLF

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [PLF ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SPORTH

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [PORTH ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SSTEAM

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STEAM ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SSTOVE

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [STOVE ne 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SSUN

1 : [(STATUS ne 1 to 3)]

STEAM

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

STOVE

1 : [(STATUS eq 1 to 3)] AND [HFUEL eq 9] ; OR
2 : [(STATUS eq 1 to 3)] AND [NONE eq 'X'] ; OR
3 : [(STATUS ne 1 to 3)]

SUBMOR

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

SUBMR2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

SUBMR3

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

SUBMR4

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL eq 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 2] AND [HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL eq 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 3] AND [HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

SUBRNT

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or VACANCY eq 4)] AND [PROJ eq 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [REPHA eq 2 and PHAFLG ne 1] ; OR
8 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
9 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

SUBRNT1

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

SUBRNT2

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS ne 1 to 3)]

SWOOD

1 : [(STATUS ne 1 to 3)]

TADJ

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [TASB ne 1 and TPBPAI ne 1 and TRADON ne 1 and TPBPIP ne 1 and TPBSOL ne 1 and TWATER ne 1 and TALWIR ne 1] ; OR
3 : [STATUS eq 1] AND [TENURE ne 1] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TALWIR

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TASB

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TAXPMT

1 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

TENURE

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 4] AND [(NOINT eq 10 to 17)] ; OR
3 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

TERM

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and NEWMOR ne 2] AND [CANVAR eq 'X'] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

TERM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and NEWMR2 ne 2] AND [CANVR2 eq 'X'] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

TIMSHR

1 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [(LVALUE eq 1 to 999998) or LVALUE eq .D or LVALUE eq .R] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TOILET

1 : [(STATUS ne 1 to 3)]

TPARK

1 : [(STATUS eq 1 to 3)] AND [(NUNIT2 eq 1 to 3)] ; OR
2 : [(STATUS ne 1 to 3)]

TPBPAI

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TPBPIP

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TPBSOL

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TRADON

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TRASH

1 : [(STATUS ne 1 to 3)]

TREP

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1 and TENURE eq 1] AND [TASB ne 1 and TPBPAI ne 1 and TRADON ne 1 and TPBPIP ne 1 and TPBSOL ne 1 and TWATER ne 1 and TALWIR ne 1] ; OR
3 : [STATUS eq 1] AND [TENURE ne 1] ; OR
4 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TRUCKS

1 : [(STATUS eq 2 to 3)] ; OR
2 : [(STATUS ne 1 to 3)]

TUB

1 : [(STATUS ne 1 to 3)]

TWATER

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

TXPMT2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

TXRE

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 2) or VACANCY eq 4] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
4 : [(STATUS ne 1 to 3)] ; OR
5 : [STATUS eq 1] AND [TENURE eq 2] ; OR
6 : [STATUS eq 1] AND [TENURE eq 3]

TYPE

1 : [STATUS eq 4] AND [(NOINT eq 30 to 38)]

UNITSF

1 : [(STATUS ne 1 to 3)]

USEGAS

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 1 to 5)] ; OR
2 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
3 : [(STATUS ne 1 to 3)]

USFCAM

1 : [((STATUS eq 1 to 3) and (SAMEDU eq 1 or INCSAM eq 0 or (IISTATUS eq 1 to 3)))] AND [USFCHG ne 1] ; OR
2 : [(STATUS ne 1 to 3)]

USFCHG

1 : [(STATUS eq 1 to 3)] AND [SAMEDU eq 2 or INCSAM eq 1 or IISTATUS eq 4] ; OR
2 : [(STATUS ne 1 to 3)]

VACANCY

1 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [(LVALUE eq 1 to 999998) or LVALUE eq .D or LVALUE eq .R] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

VACVAC

1 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
2 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
3 : [(STATUS ne 1 to 3)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1] ; OR
6 : [STATUS eq 1] AND [TENURE eq 2] ; OR
7 : [STATUS eq 1] AND [TENURE eq 3]

VALUE

1 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
3 : [STATUS eq 1] AND [(TENURE eq 2 to 3)] ; OR
4 : [STATUS eq 3] AND [VACANCY eq 1 or VACANCY eq 2 or VACANCY eq 4] ; OR
5 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

VARM

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and (MORTIN eq 1 or MORTIN eq 2 or MORTIN eq 4 or MORTIN eq 'D' or MORTIN eq 'R')] AND [VARY ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

VARM2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and (MORTN2 eq 1 or MORTN2 eq 2 or MORTN2 eq 4 or MORTN2 eq 'D' or MORTN2 eq 'R')] AND [VARY2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

VARY

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [MORTIN eq 3] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
3 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

VARY2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [MORTN2 eq 3] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

VCHER

1 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG eq 1] ; OR
2 : [(STATUS eq 2 to 3) and ((VACANCY eq 1 to 2) or (VACANCY eq 4))] AND [PHAFLG ne 1] ; OR
3 : [(STATUS eq 2 to 3)] AND [(VACANCY eq 6 to 11)] ; OR
4 : [(STATUS eq 2 to 3)] AND [VACANCY eq 3 or VACANCY eq 5] ; OR
5 : [(STATUS ne 1 to 3)] ; OR
6 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [APPLY eq 2 and PHAFLG ne 1] ; OR
7 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PHAFLG eq 1] ; OR
8 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 'D' and (RENEW eq 1 or RENEW eq 'R') and REPHA ne 2 and PHAFLG ne 1] ; OR
9 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 'D' and (RENEW eq 2 or RENEW eq 'D') and SUBRNT ne 1 and PHAFLG ne 1] ; OR
10 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [PROJ eq 1] ; OR
11 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [SUBRNT eq 2 and PHAFLG ne 1] ; OR
12 : [STATUS eq 1 and TENURE eq 1] AND [BUYI eq 1] ; OR
13 : [STATUS eq 1 and TENURE eq 1] AND [BUYI ne 1]

VOTHER

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [(QBUS eq '2' and QSS eq '2' and QINT eq '2' and QDIV eq '2' and QRENT eq '2' and QWELF eq '2' and QALIM eq '2' and QWKCMP eq '2' and QOTHER eq '2')]

WALLX

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [WALREP ne 1] ; OR
5 : [STATUS ne 1]

WALREP

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

WASH

1 : [(STATUS ne 1 to 3)]

WATER

1 : [(STATUS ne 1 to 3)]

WATERD

1 : [(STATUS eq 1 to 3)] AND [WATERS eq 1 or WATERS eq 'D' or WATERS eq 'R'] ; OR
2 : [(STATUS ne 1 to 3)] ; OR
3 : [STATUS eq 2 or STATUS eq 3] AND [WATERS eq 2]

WATERS

1 : [(STATUS ne 1 to 3)]

WELDUS

1 : [(STATUS eq 1 to 3)] AND [WATER eq 7] ; OR
2 : [(STATUS ne 1 to 3)]

WELL

1 : [(STATUS eq 1 to 3)] AND [WATER eq 1 or (WATER eq 3 to 5)] ; OR
2 : [(STATUS eq 1 to 3)] AND [WATER eq 6] ; OR
3 : [(STATUS eq 1 to 3)] AND [WATER eq 7] ; OR
4 : [(STATUS ne 1 to 3)]

WFPROP

1 : [(STATUS eq 1 to 3)] AND [EWATER ne 1] ; OR
2 : [STATUS eq 4]

WFUEL

1 : [(STATUS eq 1 to 3)] AND [HOTPIP ne 1] ; OR
2 : [(STATUS ne 1 to 3)]

WHNGET

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [TENURE ne 1] ; OR
3 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

WHYCD1

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [OTHCLD ne 1 and IFCOLD ne 2] ; OR
6 : [STATUS eq 4]

WHYCD2

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [OTHCLD ne 1 and IFCOLD ne 2] ; OR
6 : [STATUS eq 4]

WHYCD3

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [OTHCLD ne 1 and IFCOLD ne 2] ; OR
6 : [STATUS eq 4]

WHYCD4

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [OTHCLD ne 1 and IFCOLD ne 2] ; OR
6 : [STATUS eq 4]

WHYCD5

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [(IFCOLD ne 1 to 2)] ; OR
3 : [STATUS eq 1] AND [FREEZE ne 1] ; OR
4 : [STATUS eq 1] AND [HEQUIP eq 13 or HEQUIP eq .] ; OR
5 : [STATUS eq 1] AND [OTHCLD ne 1 and IFCOLD ne 2] ; OR
6 : [STATUS eq 4]

WINREP

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS ne 1]

WINX

1 : [STATUS eq 1] AND [(LAT70S eq 8 to 9)] ; OR
2 : [STATUS eq 1] AND [BEAF78 eq 2] ; OR
3 : [STATUS eq 1] AND [BUILT ge 1980 and BUILT le (&SURVYEAR + 1)] ; OR
4 : [STATUS eq 1] AND [WINREP ne 1] ; OR
5 : [STATUS ne 1]

WLEAK

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [LEAK ne 1] ; OR
3 : [STATUS eq 4]

WTRHRL

1 : [(STATUS eq 2 to 3)] ; OR
2 : [STATUS eq 1] AND [ILEAK ne 1] ; OR
3 : [STATUS eq 4]

YRMOR

1 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1 and MATBUY eq 1] AND [NEWMOR ne 2] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 1] AND [NEWMOR eq 2] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

YRMOR2

1 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL eq 1] ; OR
2 : [STATUS eq 1 and TENURE eq 1 and MCNT eq 1] AND [HEL ne 1] ; OR
3 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2 and MATBY2 eq 1] AND [NEWMR2 ne 2] ; OR
4 : [STATUS eq 1 and TENURE eq 1 and MCNT ge 2] AND [NEWMR2 eq 2] ; OR
5 : [STATUS eq 1 and TENURE eq 1 and MG eq 1] AND [(MCNT ne 1 to 7)] ; OR
6 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1 and HEL ne 1] ; OR
7 : [STATUS eq 1 and TENURE eq 1] AND [MG ne 1]

YRRND

1 : [(STATUS eq 2 to 3)] AND [(VACANCY ne 8 to 11)] ; OR
2 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 eq 4 to 5)] ; OR
3 : [STATUS eq 1 and (TENURE eq 2 to 3)] AND [(NUNIT2 ne 4 to 5)] ; OR
4 : [STATUS eq 1 and TENURE eq 1] AND [(LVALUE eq 1 to 999998) or LVALUE eq .D or LVALUE eq .R] ; OR
5 : [STATUS eq 1 and TENURE eq 1] AND [OWNLOT1 eq '2' or OWNLOT1 eq 'D' or OWNLOT1 eq 'R' or OWNLOT1 eq ' '] ; OR
6 : [STATUS eq 4] AND [(STATUS ne 1 to 3)]

ZINCH

1 : [STATUS ne 1]

ZINCN

1 : [STATUS ne 1] ; OR
2 : [STATUS eq 1] AND [ZINCH eq 1]

Appendix F: Variable Module Listing

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:ACCESS	Unit	houshld	newhouse	
VN:ACCESSB	Unit		newhouse	
VN:ACCESSC	Neighborhood		newhouse	
VN:ADDTN2	Housing Cost		mortg	
VN:ADDTNS	Housing Cost		mortg	
VN:AFUEL	Utilities	houshld	newhouse	
VN:AFUR	Utilities	houshld	newhouse	
VN:AGE	Household Composition	person	person	
VN:AGERES	Unit		newhouse	
VN:AIR	Unit	houshld	newhouse	
VN:AIRSYS	Unit	houshld	newhouse	
VN:ALMV	Recent Movers	houshld	newhouse	
VN:AMMORT	Housing Cost	mortg	mortg	
VN:AMMRT2	Housing Cost	mortg	mortg	
VN:AMMRT3	Housing Cost	mortg	mortg	
VN:AMMRT4	Housing Cost	mortg	mortg	
VN:AMPM	Commuting	jtw	jtw	
VN:AMRTZ	Housing Cost	mortg	mortg	
VN:AMRTZ2	Housing Cost	mortg	mortg	
VN:AMTE	Utilities	houshld	newhouse	
VN:AMTF	Utilities	houshld	newhouse	
VN:AMTG	Utilities	houshld	newhouse	
VN:AMTI	Housing Cost	houshld	newhouse	
VN:AMTM	Housing Cost	mortg	mortg	
VN:AMTM2	Housing Cost	mortg	mortg	
VN:AMTO	Utilities	houshld	newhouse	
VN:AMTT	Housing Cost	houshld	newhouse	
VN:AMTW	Housing Cost	houshld	newhouse	
VN:AMTX	Housing Cost	toppuf	newhouse	
VN:ANCHOR	Mobile Homes	houshld	newhouse	
VN:ANYCAR	Unit	houshld		
VN:ANYPNT	Unit	houshld		

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:ANYRUG	Unit	houshld		
VN:APPLY	Household Composition	houshld	newhouse	
VN:APTAD	Upgrade and Remodeling	houshld	newhouse	
VN:APTCH	Upgrade and Remodeling	houshld	newhouse	
VN:APTCM	Upgrade and Remodeling	houshld	newhouse	
VN:APTFL	Unit	houshld		
VN:APTSP	Upgrade and Remodeling	houshld	newhouse	
VN:ARM	Housing Cost	mortg	mortg	
VN:ARM2	Housing Cost	mortg	mortg	
VN:ARMASK	Housing Cost		mortg	
VN:ARMASK2	Housing Cost		mortg	
VN:ASSTSERV	Unit			
VN:ATBSUN	Unit	houshld		
VN:BADPER	Neighborhood	houshld	newhouse	
VN:BADPRP	Neighborhood	houshld	newhouse	
VN:BADSRV	Neighborhood	houshld	newhouse	
VN:BADSTEP	Unit Quality	houshld	newhouse	
VN:BANK	Housing Cost	mortg	mortg	
VN:BANK2	Housing Cost	mortg	mortg	
VN:BATHS	Unit	houshld	newhouse	
VN:BBLDG	Sample status, weights, interview status	houshld	newhouse	
VN:BDCARP	Unit	houshld		
VN:BDSTPQ	Unit Quality	houshld		
VN:BEAF78	Lead Based Paint	houshld		
VN:BEDRMS	Unit	houshld	newhouse	
VN:BEDX	Unit	houshld		
VN:BIGP	Lead Based Paint	houshld	newhouse	
VN:BIGPEL	Lead Based Paint	houshld		
VN:BILLF	Utilities	houshld	newhouse	
VN:BILLFE	Utilities	houshld	newhouse	
VN:BILLFG	Utilities	houshld	newhouse	
VN:BILLFO	Utilities	houshld	newhouse	
VN:BILLFT	Utilities	houshld	newhouse	
VN:BILLFW	Utilities	houshld	newhouse	
VN:BILLG	Utilities	houshld	newhouse	
VN:BILLGE	Utilities	houshld	newhouse	
VN:BILLGF	Utilities	houshld	newhouse	
VN:BILLGO	Utilities	houshld	newhouse	
VN:BILLGT	Utilities	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:BILLGW	Utilities	houshld	newhouse	
VN:BILLO	Utilities	houshld	newhouse	
VN:BILLOE	Utilities	houshld	newhouse	
VN:BILLOF	Utilities	houshld	newhouse	
VN:BILLOG	Utilities	houshld	newhouse	
VN:BILLOT	Utilities	houshld	newhouse	
VN:BILLOW	Utilities	houshld	newhouse	
VN:BILLT	Utilities	houshld	newhouse	
VN:BILLTE	Utilities	houshld	newhouse	
VN:BILLTF	Utilities	houshld	newhouse	
VN:BILLTG	Utilities	houshld	newhouse	
VN:BILLTO	Utilities	houshld	newhouse	
VN:BILLTW	Utilities	houshld	newhouse	
VN:BILLW	Utilities	houshld	newhouse	
VN:BILLWE	Utilities	houshld	newhouse	
VN:BILLWF	Utilities	houshld	newhouse	
VN:BILLWG	Utilities	houshld	newhouse	
VN:BILLWO	Utilities	houshld	newhouse	
VN:BILLWT	Utilities	houshld	newhouse	
VN:BLDMNT	Unit Quality	houshld	newhouse	
VN:BLEAK	Unit Quality	houshld	newhouse	
VN:BLOON	Housing Cost	mortg	mortg	
VN:BLOON2	Housing Cost	mortg	mortg	
VN:BOARDU	Sample status, weights, interview status	houshld	newhouse	
VN:BSINK	Unit Quality	houshld	newhouse	
VN:BUILT	Unit	houshld	newhouse	
VN:BURNER	Unit	houshld	newhouse	
VN:BUSIN	Unit	houshld		
VN:BUSPER	Unit	houshld	newhouse	
VN:BUYE	Utilities	houshld	newhouse	
VN:BUYE2	Utilities	houshld	newhouse	
VN:BUYF	Utilities	houshld	newhouse	
VN:BUYF2	Utilities	houshld	newhouse	
VN:BUYG	Utilities	houshld	newhouse	
VN:BUYG2	Utilities	houshld	newhouse	
VN:BUYI	Housing Cost	houshld	newhouse	
VN:BUYO	Utilities	houshld	newhouse	
VN:BUYO2	Utilities	houshld	newhouse	
VN:BUYT	Housing Cost	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:BUYT2	Housing Cost	houshld	newhouse	
VN:BUYW	Housing Cost	houshld	newhouse	
VN:BUYW2	Housing Cost	houshld	newhouse	
VN:CABNX	Upgrade and Remodeling	houshld		
VN:CABREP	Upgrade and Remodeling	houshld		
VN:CAMF	Mobile Homes	houshld	newhouse	
VN:CAMFQ	Mobile Homes	houshld		
VN:CANVAR	Housing Cost	mortg	mortg	
VN:CANVR2	Housing Cost	mortg	mortg	
VN:CARS	Commuting	houshld	newhouse	
VN:CASH	Housing Cost		mortg	
VN:CASH2	Housing Cost		mortg	
VN:CELLAR	Unit	houshld	newhouse	
VN:CFUEL	Utilities	houshld	newhouse	
VN:CITSHP	Household Composition		person	
VN:CLIMB	Unit	houshld	newhouse	
VN:CMSA	Geography	toppuf	newhouse	
VN:COKST	Utilities	houshld	newhouse	
VN:COMMRECR	Neighborhood		newhouse	
VN:COMMSERV	Neighborhood		newhouse	
VN:CONDO	Unit	houshld	newhouse	
VN:CONFEE	Housing Cost	toppuf	newhouse	
VN:CONTROL	Sample status, weights, interview status	homimp	homimp	
VN:CONTROL	Sample status, weights, interview status	houshld	jtw	
VN:CONTROL	Sample status, weights, interview status	jtw	mortg	
VN:CONTROL	Sample status, weights, interview status	mortg	owner	
VN:CONTROL	Sample status, weights, interview status	owner	person	
VN:CONTROL	Sample status, weights, interview status	person	ratiov	
VN:CONTROL	Sample status, weights, interview status	ratiov	rmov	
VN:CONTROL	Sample status, weights, interview status	rmov	newhouse	
VN:CONTROL	Sample status, weights, interview status	toppuf	newhouse	
VN:CONTROL	Sample status, weights, interview status	weight	newhouse	
VN:COOK	Unit	houshld	newhouse	
VN:COUNTY	Geography	toppuf		
VN:CPRICE	Housing Cost	houshld	newhouse	
VN:CRACKS	Unit Quality	houshld	newhouse	
VN:CRIMEA	Neighborhood	houshld	newhouse	
VN:CRIMEB	Neighborhood	houshld	newhouse	
VN:CRIMEC	Neighborhood	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:CROPSL	Income	houshld	newhouse	
VN:CSTMNT	Housing Cost	houshld	newhouse	
VN:CUSHOM	Household Composition	houshld	newhouse	
VN:DAFUR	Utilities	houshld	newhouse	
VN:DATE	Sample status, weights, interview status	houshld	newhouse	
VN:DCOKST	Utilities	houshld	newhouse	
VN:DEGREE	Utilities	toppuf	newhouse	
VN:DELECT	Utilities	houshld	newhouse	
VN:DENS	Unit	houshld	newhouse	
VN:DFIRE	Unit Quality	houshld		
VN:DFLOT	Utilities	houshld	newhouse	
VN:DFRPL	Utilities	houshld	newhouse	
VN:DFRPLI	Utilities	houshld	newhouse	
VN:DFUEL	Utilities	houshld	newhouse	
VN:DHOTH	Utilities	houshld	newhouse	
VN:DHPMP	Utilities	houshld	newhouse	
VN:DINING	Unit	houshld	newhouse	
VN:DIRAC	Unit	houshld	newhouse	
VN:DISAS	Unit Quality	houshld	newhouse	
VN:DISH	Unit	houshld	newhouse	
VN:DISPL	Unit	houshld	newhouse	
VN:DISTJ	Commuting	jtw	jtw	
VN:DLINE1	Household Composition	houshld	newhouse	
VN:DOORX	Upgrade and Remodeling	houshld		
VN:DORREP	Unit Quality	houshld		
VN:DPLF	Utilities	houshld	newhouse	
VN:DRSHOP	Unit	houshld	newhouse	
VN:DRY	Unit	houshld	newhouse	
VN:DSTEAM	Unit	houshld	newhouse	
VN:DSTOVE	Unit	houshld	newhouse	
VN:DWNPAY	Housing Cost	houshld	newhouse	
VN:EABAN	Neighborhood	houshld	newhouse	
VN:EAGE	Neighborhood	houshld	newhouse	
VN:EAPTBL	Neighborhood	houshld	newhouse	
VN:EBAR	Unit	houshld	newhouse	
VN:EBARCL	Neighborhood	houshld	newhouse	
VN:EBOARD	Unit Quality	houshld	newhouse	
VN:EBROKE	Unit Quality	houshld	newhouse	
VN:ECOM1	Neighborhood	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:ECOM2	Neighborhood	houshld	newhouse	
VN:ECRUMB	Unit Quality	houshld	newhouse	
VN:EGOOD	Unit Quality	houshld	newhouse	
VN:EGREEN	Neighborhood	houshld	newhouse	
VN:EHEIGHT	Unit			
VN:EHIGH	Neighborhood	houshld	newhouse	
VN:EHOLER	Unit Quality	houshld	newhouse	
VN:EJUNK	Neighborhood	houshld	newhouse	
VN:ELECT	Utilities	houshld	newhouse	
VN:ELEV	Unit	houshld	newhouse	
VN:ELEVWK	Unit Quality		newhouse	
VN:ELOW1	Neighborhood	houshld	newhouse	
VN:ELOW2	Neighborhood	houshld	newhouse	
VN:EMID	Neighborhood	houshld	newhouse	
VN:EMISSR	Unit Quality	houshld	newhouse	
VN:EMISSW	Unit Quality	houshld	newhouse	
VN:EMOBIL	Neighborhood	houshld	newhouse	
VN:EPRKG	Neighborhood	houshld	newhouse	
VN:EPRKGA	Neighborhood	houshld	newhouse	
VN:EPRKGR	Neighborhood	houshld	newhouse	
VN:EPRKGS	Neighborhood	houshld	newhouse	
VN:EROAD	Neighborhood	houshld	newhouse	
VN:ESAGR	Unit Quality	houshld	newhouse	
VN:ESFD	Neighborhood	houshld	newhouse	
VN:ESLOPW	Unit Quality	houshld	newhouse	
VN:ETRANS	Neighborhood	houshld	newhouse	
VN:EVROD	Unit Quality	houshld	newhouse	
VN:EVRTES	Lead Based Paint	houshld		
VN:EWATER	Neighborhood	houshld	newhouse	
VN:EXCLUS	Unit	houshld	newhouse	
VN:EXPOSE	Unit Quality	houshld	newhouse	
VN:EXTLN2	Housing Cost		mortg	
VN:EXTLON	Housing Cost		mortg	
VN:FAFUR	Utilities	houshld	newhouse	
VN:FAMGRP	Recent Movers	rmov	rmov	
VN:FAMNUM	Household Composition	person	person	
VN:FAMREL	Household Composition	person	person	
VN:FAMRM	Unit	houshld	newhouse	
VN:FAMTYP	Household Composition	person	person	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:FCOKST	Utilities	houshld	newhouse	
VN:FELECT	Utilities	houshld	newhouse	
VN:FFLIN	Utilities	houshld	newhouse	
VN:FFLOT	Utilities	houshld	newhouse	
VN:FFRPL	Utilities	houshld	newhouse	
VN:FFRPLI	Utilities	houshld	newhouse	
VN:FHOTH	Utilities	houshld	newhouse	
VN:FHPMP	Utilities	houshld	newhouse	
VN:FIXED	Housing Cost	mortg	mortg	
VN:FIXED2	Housing Cost	mortg	mortg	
VN:FLIN	Utilities	houshld	newhouse	
VN:FLOODPLN	Unit	houshld	newhouse	
VN:FLOORS	Unit	houshld	newhouse	
VN:FLOT	Unit	houshld	newhouse	
VN:FLRENT	Housing Cost	houshld	newhouse	
VN:FMHOTF	Housing Cost	houshld	newhouse	
VN:FMR	Income Limits			newhouse
VN:FMRA	Income Limits			newhouse
VN:FMRB	Income Limits			newhouse
VN:FOOD	Income	person	person	
VN:FPINS	Unit	houshld	newhouse	
VN:FPLF	Utilities	houshld	newhouse	
VN:FPLWK	Unit	houshld	newhouse	
VN:FPORTH	Utilities	houshld	newhouse	
VN:FREEZE	Unit Quality	houshld	newhouse	
VN:FRENT	Housing Cost	houshld	newhouse	
VN:FRPL	Unit	houshld	newhouse	
VN:FRPLI	Unit	houshld	newhouse	
VN:FRSIT	Mobile Homes	houshld	newhouse	
VN:FRSTHO	Household Composition	houshld	newhouse	
VN:FRSTOC	Unit	houshld	newhouse	
VN:FSTEAM	Utilities	houshld	newhouse	
VN:FSTOVE	Utilities	houshld	newhouse	
VN:GARAGE	Unit	houshld	newhouse	
VN:GASPI2	Utilities	houshld	newhouse	
VN:GASPIP	Utilities	houshld	newhouse	
VN:GATED	Neighborhood		newhouse	
VN:GPM	Housing Cost	mortg	mortg	
VN:GPM2	Housing Cost	mortg	mortg	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:GPMW	Housing Cost	mortg	mortg	
VN:GPMW2	Housing Cost	mortg	mortg	
VN:GRAD	Household Composition	person	person	
VN:GRDMNT	Unit Quality	houshld	newhouse	
VN:GTCAS2	Housing Cost		mortg	
VN:GTCASH	Housing Cost		mortg	
VN:HALB	Unit	houshld		
VN:HALFB	Unit	houshld	newhouse	
VN:HEARHS	Housing Cost	houshld	newhouse	
VN:HEBAL1	Housing Cost	mortg	mortg	
VN:HEBAL2	Housing Cost	mortg	mortg	
VN:HEBAL3	Housing Cost	mortg	mortg	
VN:HEBAM1	Housing Cost	mortg	mortg	
VN:HEBAM2	Housing Cost	mortg	mortg	
VN:HEBAM3	Housing Cost	mortg	mortg	
VN:HECR1	Housing Cost	mortg	mortg	
VN:HECR2	Housing Cost	mortg	mortg	
VN:HECR3	Housing Cost	mortg	mortg	
VN:HEINF1	Housing Cost	mortg	mortg	
VN:HEINF2	Housing Cost	mortg	mortg	
VN:HEINF3	Housing Cost	mortg		
VN:HEINW1	Housing Cost	mortg	mortg	
VN:HEINW2	Housing Cost	mortg	mortg	
VN:HEINW3	Housing Cost	mortg		
VN:HEL	Housing Cost	houshld		
VN:HELC	Housing Cost		newhouse	
VN:HELCN	Housing Cost		newhouse	
VN:HELMP1	Housing Cost	mortg		
VN:HELMP2	Housing Cost	mortg		
VN:HELMP3	Housing Cost	mortg		
VN:HELUMN	Housing Cost		newhouse	
VN:HELUMP	Housing Cost		newhouse	
VN:HENUM	Housing Cost	houshld		
VN:HEPMT1	Housing Cost	mortg	mortg	
VN:HEPMT2	Housing Cost	mortg	mortg	
VN:HEPMT3	Housing Cost	mortg	mortg	
VN:HEQUIP	Utilities	houshld	newhouse	
VN:HERE	Household Composition	person	person	
VN:HETYP1	Housing Cost	mortg		

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:HETYP2	Housing Cost	mortg		
VN:HETYP3	Housing Cost	mortg		
VN:HFUEL	Utilities	houshld	newhouse	
VN:HHAGE	Household Composition		newhouse	
VN:HHCITSHP	Household Composition		newhouse	
VN:HHFOOD	Income	person		
VN:HHGRAD	Household Composition		newhouse	
VN:HHINUSYR	Household Composition		newhouse	
VN:HHMAR	Household Composition		newhouse	
VN:HHMORT	Income	person		
VN:HHMOVE	Recent Movers		newhouse	
VN:HHMOVM	Recent Movers		newhouse	
VN:HHMVG	Recent Movers		newhouse	
VN:HHNATVTY	Household Composition		newhouse	
VN:HHOTH	Income	person		
VN:HHPLINE	Household Composition		newhouse	
VN:HHRACE	Household Composition		newhouse	
VN:HHREL	Household Composition		newhouse	
VN:HHSEX	Household Composition		newhouse	
VN:HHSPAN	Household Composition		newhouse	
VN:HHSPOS	Household Composition		newhouse	
VN:HHTEN	Household Composition		newhouse	
VN:HHUTFU	Income	person		
VN:HHWLINEQ	Household Composition		newhouse	
VN:HISTRY	Sample status, weights, interview status	toppuf	newhouse	
VN:HJOB	Commuting	jtw	jtw	
VN:HOLES	Unit Quality	houshld	newhouse	
VN:HOTH	Utilities	houshld	newhouse	
VN:HOTPIP	Unit	houshld	newhouse	
VN:HOWH	Unit Quality	houshld	newhouse	
VN:HOWN	Neighborhood	houshld	newhouse	
VN:HPMP	Utilities	houshld	newhouse	
VN:HUHIS	Recent Movers	houshld	newhouse	
VN:IFBLOW	Unit Quality	houshld	newhouse	
VN:IFCOLD	Unit Quality	houshld	newhouse	
VN:IFDRY	Unit Quality	houshld	newhouse	
VN:IFFEE	Housing Cost	houshld	newhouse	
VN:IFOTHF	Mobile Homes	houshld	newhouse	
VN:IFSEW	Unit Quality	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:IFTLT	Unit Quality	houshld	newhouse	
VN:ILEAK	Unit Quality	houshld	newhouse	
VN:IMAINT	Unit Quality	houshld		
VN:IMPROV	Housing Cost		mortg	
VN:IMPRV2	Housing Cost		mortg	
VN:INCP	Unit	houshld	newhouse	
VN:INCPER	Housing Cost		mortg	
VN:INCPR2	Housing Cost		mortg	
VN:INCS	Housing Cost	houshld	newhouse	
VN:INPMT2	Housing Cost	mortg	mortg	
VN:INSPMT	Housing Cost	mortg	mortg	
VN:INTF	Housing Cost	mortg	mortg	
VN:INTF2	Housing Cost	mortg	mortg	
VN:INTW	Housing Cost	mortg	mortg	
VN:INTW2	Housing Cost	mortg	mortg	
VN:INUSYR	Household Composition		person	
VN:INV20K	Income	houshld	newhouse	
VN:IPOV	Income Limits			newhouse
VN:ISTATUS	Sample status, weights, interview status	houshld	newhouse	
VN:JAFUEL	Allocation Variables	houshld	newhouse	
VN:JAGE	Allocation Variables	person	person	
VN:JAIR	Allocation Variables	houshld	newhouse	
VN:JALMV	Allocation Variables	houshld	newhouse	
VN:JAMEDU	Allocation Variables	houshld	newhouse	
VN:JAMRTZ	Allocation Variables	mortg	mortg	
VN:JAMTE	Allocation Variables	houshld	newhouse	
VN:JAMTF	Allocation Variables	houshld	newhouse	
VN:JAMTG	Allocation Variables	houshld	newhouse	
VN:JAMTI	Allocation Variables	houshld	newhouse	
VN:JAMTM	Allocation Variables	mortg	mortg	
VN:JAMTM2	Allocation Variables	mortg	mortg	
VN:JAMTO	Allocation Variables	houshld	newhouse	
VN:JAMTT	Allocation Variables	houshld	newhouse	
VN:JAMTW	Allocation Variables	houshld	newhouse	
VN:JANPMT	Allocation Variables	houshld	newhouse	
VN:JANVAR	Allocation Variables	mortg	mortg	
VN:JANVR2	Allocation Variables	mortg	mortg	
VN:JARAGE	Allocation Variables	houshld	newhouse	
VN:JARSYS	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JASPI2	Allocation Variables	houshld	newhouse	
VN:JASPIP	Allocation Variables	houshld	newhouse	
VN:JATBUY	Allocation Variables	mortg	mortg	
VN:JATBY2	Allocation Variables	mortg	mortg	
VN:JATERS	Allocation Variables	houshld	newhouse	
VN:JATVTY	Allocation Variables		person	
VN:JAUNDY	Allocation Variables	houshld	newhouse	
VN:JBANK	Allocation Variables	mortg	mortg	
VN:JBANK2	Allocation Variables	mortg	mortg	
VN:JBATHS	Allocation Variables	houshld	newhouse	
VN:JBEDX	Allocation Variables	houshld		
VN:JBIGP	Allocation Variables	houshld	newhouse	
VN:JBILLF	Allocation Variables	houshld	newhouse	
VN:JBILLG	Allocation Variables	houshld	newhouse	
VN:JBILLO	Allocation Variables	houshld	newhouse	
VN:JBILLT	Allocation Variables	houshld	newhouse	
VN:JBILLW	Allocation Variables	houshld	newhouse	
VN:JBLON2	Allocation Variables	mortg	mortg	
VN:JBLOON	Allocation Variables	mortg	mortg	
VN:JBSINK	Allocation Variables	houshld	newhouse	
VN:JBUILT	Allocation Variables	houshld	newhouse	
VN:JBUSIN	Allocation Variables	houshld		
VN:JBUYE	Allocation Variables	houshld	newhouse	
VN:JBUYE2	Allocation Variables	houshld	newhouse	
VN:JBUYF	Allocation Variables	houshld	newhouse	
VN:JBUYF2	Allocation Variables	houshld	newhouse	
VN:JBUYG	Allocation Variables	houshld	newhouse	
VN:JBUYG2	Allocation Variables	houshld	newhouse	
VN:JBUYI	Allocation Variables	houshld	newhouse	
VN:JBUYO	Allocation Variables	houshld	newhouse	
VN:JBUYO2	Allocation Variables	houshld	newhouse	
VN:JBUYT	Allocation Variables	houshld	newhouse	
VN:JBUYT2	Allocation Variables	houshld	newhouse	
VN:JBUYW	Allocation Variables	houshld	newhouse	
VN:JBUYW2	Allocation Variables	houshld	newhouse	
VN:JCARS	Allocation Variables	houshld	newhouse	
VN:JCCESS	Allocation Variables	houshld	newhouse	
VN:JCFUEL	Allocation Variables	houshld	newhouse	
VN:JCLIMB	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JCNTRL	Allocation Variables	houshld	newhouse	
VN:JCONDO	Allocation Variables	houshld	newhouse	
VN:JCOOK	Allocation Variables	houshld	newhouse	
VN:JDAFUR	Allocation Variables	houshld	newhouse	
VN:JDATE	Allocation Variables	houshld	newhouse	
VN:JDCOOK	Allocation Variables	houshld	newhouse	
VN:JDELEC	Allocation Variables	houshld	newhouse	
VN:JDENS	Allocation Variables	houshld	newhouse	
VN:JDFLIN	Allocation Variables	houshld		
VN:JDFLOT	Allocation Variables	houshld	newhouse	
VN:JDFPLI	Allocation Variables	houshld	newhouse	
VN:JDFRPL	Allocation Variables	houshld	newhouse	
VN:JDFUEL	Allocation Variables	houshld	newhouse	
VN:JDHOTH	Allocation Variables	houshld	newhouse	
VN:JDHPMP	Allocation Variables	houshld	newhouse	
VN:JDIRAC	Allocation Variables	houshld	newhouse	
VN:JDISH	Allocation Variables	houshld	newhouse	
VN:JDISPL	Allocation Variables	houshld	newhouse	
VN:JDISTJ	Allocation Variables	jtw	jtw	
VN:JDPLF	Allocation Variables	houshld	newhouse	
VN:JDPORH	Allocation Variables	houshld		
VN:JDRY	Allocation Variables	houshld	newhouse	
VN:JDSTEA	Allocation Variables	houshld	newhouse	
VN:JDSTOV	Allocation Variables	houshld	newhouse	
VN:JEDRMS	Allocation Variables	houshld	newhouse	
VN:JEELAM	Allocation Variables	houshld		
VN:JEGMOR	Allocation Variables		newhouse	
VN:JELDUS	Allocation Variables	houshld	newhouse	
VN:JELEV	Allocation Variables	houshld	newhouse	
VN:JELLAR	Allocation Variables	houshld	newhouse	
VN:JELUMN	Allocation Variables		newhouse	
VN:JELUMP	Allocation Variables		newhouse	
VN:JENURE	Allocation Variables	houshld	newhouse	
VN:JEQUIP	Allocation Variables	houshld	newhouse	
VN:JESMOR	Allocation Variables	mortg	mortg	
VN:JESMR2	Allocation Variables	mortg	mortg	
VN:JEVROD	Allocation Variables	houshld	newhouse	
VN:JEWDIS	Allocation Variables	houshld	newhouse	
VN:JEWDUS	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JEWMOR	Allocation Variables	mortg	mortg	
VN:JEWMR2	Allocation Variables	mortg	mortg	
VN:JEXCLU	Allocation Variables	houshld	newhouse	
VN:JFAFUR	Allocation Variables	houshld	newhouse	
VN:JFAMRM	Allocation Variables	houshld	newhouse	
VN:JFARM2	Allocation Variables	mortg	mortg	
VN:JFBLOW	Allocation Variables	houshld	newhouse	
VN:JFCOLD	Allocation Variables	houshld	newhouse	
VN:JFCOOK	Allocation Variables	houshld	newhouse	
VN:JFELEC	Allocation Variables	houshld	newhouse	
VN:JFFLIN	Allocation Variables	houshld	newhouse	
VN:JFFLOT	Allocation Variables	houshld	newhouse	
VN:JFFPLI	Allocation Variables	houshld	newhouse	
VN:JFFRPL	Allocation Variables	houshld	newhouse	
VN:JFHOTH	Allocation Variables	houshld	newhouse	
VN:JFHPMP	Allocation Variables	houshld	newhouse	
VN:JFOTHF	Allocation Variables	houshld	newhouse	
VN:JFPLF	Allocation Variables	houshld	newhouse	
VN:JFPLWK	Allocation Variables	houshld	newhouse	
VN:JFPORH	Allocation Variables	houshld	newhouse	
VN:JFRENT	Allocation Variables	houshld	newhouse	
VN:JFSTEA	Allocation Variables	houshld	newhouse	
VN:JFSTOV	Allocation Variables	houshld	newhouse	
VN:JGRAD	Allocation Variables	person	person	
VN:JHALFB	Allocation Variables	houshld	newhouse	
VN:JHARAT	Allocation Variables	houshld	newhouse	
VN:JHARFR	Allocation Variables	houshld	newhouse	
VN:JHARPF	Allocation Variables	houshld	newhouse	
VN:JHERE	Allocation Variables	person	person	
VN:JHFUEL	Allocation Variables	houshld	newhouse	
VN:JHHAGE	Allocation Variables		newhouse	
VN:JHHATVTY	Allocation Variables		newhouse	
VN:JHHGRAD	Allocation Variables		newhouse	
VN:JHHITSHP	Allocation Variables		newhouse	
VN:JHHMAR	Allocation Variables		newhouse	
VN:JHHMOVE	Allocation Variables		newhouse	
VN:JHHMOVM	Allocation Variables		newhouse	
VN:JHHMVG	Allocation Variables		newhouse	
VN:JHHNUSYR	Allocation Variables		newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JHHRACE	Allocation Variables		newhouse	
VN:JHHREL	Allocation Variables		newhouse	
VN:JHHSEX	Allocation Variables		newhouse	
VN:JHHSPAN	Allocation Variables		newhouse	
VN:JHHSPOS	Allocation Variables		newhouse	
VN:JHNGET	Allocation Variables	houshld	newhouse	
VN:JHOLES	Allocation Variables	houshld	newhouse	
VN:JHOTFE	Allocation Variables	houshld	newhouse	
VN:JHSTAY	Allocation Variables	houshld	newhouse	
VN:JHYMOV	Allocation Variables	houshld	newhouse	
VN:JHYTOH	Allocation Variables	houshld	newhouse	
VN:JHYTON	Allocation Variables	houshld	newhouse	
VN:JIFDRY	Allocation Variables	houshld	newhouse	
VN:JIFFEE	Allocation Variables	houshld	newhouse	
VN:JIFSEW	Allocation Variables	houshld	newhouse	
VN:JIFTLT	Allocation Variables	houshld	newhouse	
VN:JILEAK	Allocation Variables	houshld	newhouse	
VN:JILLFE	Allocation Variables	houshld	newhouse	
VN:JILLFG	Allocation Variables	houshld	newhouse	
VN:JILLFO	Allocation Variables	houshld	newhouse	
VN:JILLFT	Allocation Variables	houshld	newhouse	
VN:JILLFW	Allocation Variables	houshld	newhouse	
VN:JILLGE	Allocation Variables	houshld	newhouse	
VN:JILLGF	Allocation Variables	houshld	newhouse	
VN:JILLGO	Allocation Variables	houshld	newhouse	
VN:JILLGT	Allocation Variables	houshld	newhouse	
VN:JILLGW	Allocation Variables	houshld	newhouse	
VN:JILLOE	Allocation Variables	houshld	newhouse	
VN:JILLOF	Allocation Variables	houshld	newhouse	
VN:JILLOG	Allocation Variables	houshld	newhouse	
VN:JILLOT	Allocation Variables	houshld	newhouse	
VN:JILLOW	Allocation Variables	houshld	newhouse	
VN:JILLTE	Allocation Variables	houshld	newhouse	
VN:JILLTF	Allocation Variables	houshld	newhouse	
VN:JILLTG	Allocation Variables	houshld	newhouse	
VN:JILLTO	Allocation Variables	houshld	newhouse	
VN:JILLTW	Allocation Variables	houshld	newhouse	
VN:JILLWE	Allocation Variables	houshld	newhouse	
VN:JILLWF	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JILLWG	Allocation Variables	houshld	newhouse	
VN:JILLWO	Allocation Variables	houshld	newhouse	
VN:JILLWT	Allocation Variables	houshld	newhouse	
VN:JIMSHR	Allocation Variables	houshld	newhouse	
VN:JINCO2	Allocation Variables	mortg	mortg	
VN:JINCOP	Allocation Variables	mortg	mortg	
VN:JINCS	Allocation Variables	houshld	newhouse	
VN:JINING	Allocation Variables	houshld	newhouse	
VN:JINTF	Allocation Variables	mortg	mortg	
VN:JINTF2	Allocation Variables	mortg	mortg	
VN:JINTW	Allocation Variables	mortg	mortg	
VN:JINTW2	Allocation Variables	mortg	mortg	
VN:JIRSYS	Allocation Variables	houshld	newhouse	
VN:JITSHP	Allocation Variables		person	
VN:JIVING	Allocation Variables	houshld	newhouse	
VN:JKITCH	Allocation Variables	houshld	newhouse	
VN:JLEAK	Allocation Variables	houshld	newhouse	
VN:JLINE1	Allocation Variables	houshld	newhouse	
VN:JLOORS	Allocation Variables	houshld	newhouse	
VN:JLOT	Allocation Variables	houshld	newhouse	
VN:JLRENT	Allocation Variables	houshld	newhouse	
VN:JLT25K	Allocation Variables	houshld		
VN:JM3ROD	Allocation Variables	houshld	newhouse	
VN:JMAMT2	Allocation Variables		mortg	
VN:JMAR	Allocation Variables	person	person	
VN:JMARKT	Allocation Variables	houshld	newhouse	
VN:JMCHEP	Allocation Variables	houshld	newhouse	
VN:JMCHTN	Allocation Variables	houshld	newhouse	
VN:JMCLOS	Allocation Variables	houshld	newhouse	
VN:JMCNDO	Allocation Variables	houshld	newhouse	
VN:JMCNT	Allocation Variables		mortg	
VN:JMCOM	Allocation Variables	mortg	mortg	
VN:JMCOM2	Allocation Variables	mortg	mortg	
VN:JMDISL	Allocation Variables	houshld	newhouse	
VN:JMFAML	Allocation Variables	houshld	newhouse	
VN:JMFARM	Allocation Variables	mortg	mortg	
VN:JMFEMP	Allocation Variables	houshld	newhouse	
VN:JMG	Allocation Variables	houshld	newhouse	
VN:JMGOVP	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JMGOVT	Allocation Variables	houshld	newhouse	
VN:JMHOUS	Allocation Variables	houshld	newhouse	
VN:JMIAMT	Allocation Variables		mortg	
VN:JMICE	Allocation Variables	houshld	newhouse	
VN:JMIPMT	Allocation Variables		mortg	
VN:JMJOBS	Allocation Variables	houshld	newhouse	
VN:JMLARG	Allocation Variables	houshld	newhouse	
VN:JMMARR	Allocation Variables	houshld	newhouse	
VN:JMMORT	Allocation Variables	mortg	mortg	
VN:JMMRT2	Allocation Variables	mortg	mortg	
VN:JMMRT3	Allocation Variables	mortg	mortg	
VN:JMMRT4	Allocation Variables	mortg	mortg	
VN:JMONHH	Allocation Variables	houshld	newhouse	
VN:JMOTHR	Allocation Variables	houshld	newhouse	
VN:JMOVAC	Allocation Variables	houshld	newhouse	
VN:JMOVE	Allocation Variables	person	person	
VN:JMOVM	Allocation Variables	person	person	
VN:JMOWNR	Allocation Variables	houshld	newhouse	
VN:JMPMT2	Allocation Variables		mortg	
VN:JMPRIV	Allocation Variables	houshld	newhouse	
VN:JMQUAL	Allocation Variables	houshld	newhouse	
VN:JMRTZ2	Allocation Variables	mortg	mortg	
VN:JMVG	Allocation Variables	person	person	
VN:JNFEEQ	Allocation Variables	houshld		
VN:JNHOME	Allocation Variables	houshld	newhouse	
VN:JNITSF	Allocation Variables	houshld	newhouse	
VN:JNLOOK	Allocation Variables	houshld	newhouse	
VN:JNOOTH	Allocation Variables	houshld		
VN:JNOTHR	Allocation Variables	houshld	newhouse	
VN:JNPEPL	Allocation Variables	houshld	newhouse	
VN:JNTRAN	Allocation Variables	houshld	newhouse	
VN:JNUSYR	Allocation Variables		person	
VN:JNYCAR	Allocation Variables	houshld		
VN:JNYRUG	Allocation Variables	houshld		
VN:JOAFUE	Allocation Variables	houshld	newhouse	
VN:JOILET	Allocation Variables	houshld	newhouse	
VN:JOOMSA	Allocation Variables	houshld		
VN:JOPERM	Allocation Variables	houshld	newhouse	
VN:JORTIN	Allocation Variables	mortg	mortg	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JORTN2	Allocation Variables	mortg	mortg	
VN:JOTHFN	Allocation Variables	houshld	newhouse	
VN:JOTPIP	Allocation Variables	houshld	newhouse	
VN:JOTSUR	Allocation Variables	houshld	newhouse	
VN:JOVEN	Allocation Variables	houshld	newhouse	
VN:JOVGRP	Allocation Variables	rmov	rmov	
VN:JOWIRE	Allocation Variables	houshld	newhouse	
VN:JPAR	Allocation Variables	person	person	
VN:JPASS	Allocation Variables	jtw	jtw	
VN:JPLUGS	Allocation Variables	houshld	newhouse	
VN:JPMOVM	Allocation Variables	houshld	newhouse	
VN:JPMT	Allocation Variables	mortg	mortg	
VN:JPMT2	Allocation Variables	mortg	mortg	
VN:JPMT3	Allocation Variables	mortg	mortg	
VN:JPMT4	Allocation Variables	mortg	mortg	
VN:JPMVYR	Allocation Variables	houshld	newhouse	
VN:JPORCH	Allocation Variables	houshld	newhouse	
VN:JPQIDRI	Allocation Variables			
VN:JPQOTALM	Allocation Variables			
VN:JPQOTHNR	Allocation Variables			
VN:JPQRETIR	Allocation Variables			
VN:JPQSAL	Allocation Variables			
VN:JPQSALNR	Allocation Variables			
VN:JPQSELF	Allocation Variables			
VN:JPQSELFN	Income Limits			
VN:JPQSLFNR	Allocation Variables			
VN:JPQSS	Allocation Variables			
VN:JPQSSI	Allocation Variables			
VN:JPQWELF	Allocation Variables			
VN:JPQWKCMP	Allocation Variables			
VN:JPRENT	Allocation Variables	houshld	newhouse	
VN:JPROJ	Allocation Variables	houshld	newhouse	
VN:JPVALU	Allocation Variables	houshld	newhouse	
VN:JPVOTHER	Income Limits			
VN:JQALIM	Allocation Variables	houshld	newhouse	
VN:JQBUS	Allocation Variables	houshld	newhouse	
VN:JQDIV	Allocation Variables	houshld	newhouse	
VN:JQIDRI	Allocation Variables			
VN:JQINT	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JQOTALM	Allocation Variables			
VN:JQOTHER	Allocation Variables	houshld	newhouse	
VN:JQRENT	Allocation Variables	houshld	newhouse	
VN:JQRETIR	Allocation Variables			
VN:JQSELF	Allocation Variables			
VN:JQSS	Allocation Variables	houshld	newhouse	
VN:JQSSI	Allocation Variables			
VN:JQWELF	Allocation Variables	houshld	newhouse	
VN:JQWKCMP	Allocation Variables			
VN:JRACE	Allocation Variables	person	person	
VN:JRACKS	Allocation Variables	houshld	newhouse	
VN:JRAS	Allocation Variables		homimp	
VN:JRATS	Allocation Variables	houshld	newhouse	
VN:JRECRM	Allocation Variables	houshld	newhouse	
VN:JREEZE	Allocation Variables	houshld	newhouse	
VN:JREFI	Allocation Variables		mortg	
VN:JREFI2	Allocation Variables		mortg	
VN:JREFR	Allocation Variables	houshld	newhouse	
VN:JREL	Allocation Variables	person	person	
VN:JRENEW	Allocation Variables	houshld	newhouse	
VN:JRENT	Allocation Variables	houshld	newhouse	
VN:JREUAD	Allocation Variables	houshld	newhouse	
VN:JRMOR2	Allocation Variables	mortg	mortg	
VN:JROPSL	Allocation Variables	houshld	newhouse	
VN:JRSHOP	Allocation Variables	houshld	newhouse	
VN:JRSTOC	Allocation Variables	houshld	newhouse	
VN:JRTYP1	Allocation Variables		mortg	
VN:JRTYP2	Allocation Variables		mortg	
VN:JRUCKS	Allocation Variables	houshld	newhouse	
VN:JSAL	Allocation Variables	person	person	
VN:JSEGAS	Allocation Variables	houshld	newhouse	
VN:JSEX	Allocation Variables	person	person	
VN:JSFCHG	Allocation Variables	houshld	newhouse	
VN:JSFLIN	Allocation Variables	houshld	newhouse	
VN:JSINK	Allocation Variables	houshld	newhouse	
VN:JSPAN	Allocation Variables	person	person	
VN:JSPORH	Allocation Variables	houshld	newhouse	
VN:JSPOS	Allocation Variables	person	person	
VN:JSTORG	Allocation Variables	houshld		

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JTBSUN	Allocation Variables	houshld		
VN:JTERM	Allocation Variables	mortg	mortg	
VN:JTERM2	Allocation Variables	mortg	mortg	
VN:JTHPMT	Allocation Variables	mortg	mortg	
VN:JTHRUN	Allocation Variables	houshld	newhouse	
VN:JTIMEJ	Allocation Variables	jtw	jtw	
VN:JTPARK	Allocation Variables	houshld	newhouse	
VN:JTPMT2	Allocation Variables	mortg	mortg	
VN:JTRAN	Allocation Variables	jtw	jtw	
VN:JTRASH	Allocation Variables	houshld	newhouse	
VN:JTUB	Allocation Variables	houshld	newhouse	
VN:JTXRE	Allocation Variables	houshld	newhouse	
VN:JTYPE	Allocation Variables	houshld	newhouse	
VN:JUBMOR	Allocation Variables		mortg	
VN:JUBMR2	Allocation Variables		mortg	
VN:JUBRNT	Allocation Variables	houshld	newhouse	
VN:JUBSEW	Allocation Variables	houshld	newhouse	
VN:JUMAIR	Allocation Variables	houshld	newhouse	
VN:JUMSEW	Allocation Variables	houshld	newhouse	
VN:JUNIT2	Allocation Variables	houshld	newhouse	
VN:JUNITS	Allocation Variables	houshld	newhouse	
VN:JURNER	Allocation Variables	houshld	newhouse	
VN:JUSPER	Allocation Variables	houshld	newhouse	
VN:JVACAN	Allocation Variables	houshld	newhouse	
VN:JVALU	Allocation Variables	houshld	newhouse	
VN:JVARY	Allocation Variables	mortg	mortg	
VN:JVARY2	Allocation Variables	mortg	mortg	
VN:JVCNT1	Allocation Variables	rmov	newhouse	
VN:JVCNT2	Allocation Variables	rmov	newhouse	
VN:JVCNT3	Allocation Variables	rmov	newhouse	
VN:JVEHCL	Allocation Variables	jtw	jtw	
VN:JVOTHER	Allocation Variables	houshld	newhouse	
VN:JVOTHER2	Allocation Variables	houshld	newhouse	
VN:JWALLX	Allocation Variables	houshld		
VN:JWASH	Allocation Variables	houshld	newhouse	
VN:JWATER	Allocation Variables	houshld	newhouse	
VN:JWFUEL	Allocation Variables	houshld	newhouse	
VN:JWHAVL	Allocation Variables	houshld	newhouse	
VN:JWHDSN	Allocation Variables	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:JWHDY	Allocation Variables	jtw	jtw	
VN:JWHEXT	Allocation Variables	houshld	newhouse	
VN:JWHFIN	Allocation Variables	houshld	newhouse	
VN:JWHHRB	Allocation Variables	jtw	jtw	
VN:JWHHRW	Allocation Variables	jtw	jtw	
VN:JWHKIT	Allocation Variables	houshld	newhouse	
VN:JWHOTH	Allocation Variables	houshld	newhouse	
VN:JWHQUL	Allocation Variables	houshld	newhouse	
VN:JWHSIZ	Allocation Variables	houshld	newhouse	
VN:JWHYRD	Allocation Variables	houshld	newhouse	
VN:JWKCMP	Allocation Variables	houshld	newhouse	
VN:JWNFUN	Allocation Variables	houshld	newhouse	
VN:JWNHER	Allocation Variables	owner	owner	
VN:JWNJOB	Allocation Variables	houshld	newhouse	
VN:JWNLOT	Allocation Variables	houshld	newhouse	
VN:JWNSCH	Allocation Variables	houshld	newhouse	
VN:JWNSRV	Allocation Variables	houshld	newhouse	
VN:JWTIME	Allocation Variables	jtw	jtw	
VN:JXCLUS	Allocation Variables	houshld	newhouse	
VN:JXHEAD	Allocation Variables	rmov	rmov	
VN:JXPER	Allocation Variables	rmov	rmov	
VN:JXTEN	Allocation Variables	rmov	rmov	
VN:JXUNIT	Allocation Variables	rmov	rmov	
VN:JYRMOR	Allocation Variables	mortg	mortg	
VN:KEXCLU	Unit	houshld	newhouse	
VN:KITCH	Unit	houshld	newhouse	
VN:KITCHEN	Unit	toppuf	newhouse	
VN:L30	Income Limits			newhouse
VN:L30A	Income Limits			newhouse
VN:L30B	Income Limits			newhouse
VN:L50	Income Limits			newhouse
VN:L50A	Income Limits			newhouse
VN:L50B	Income Limits			newhouse
VN:L80	Income Limits			newhouse
VN:L80A	Income Limits			newhouse
VN:L80B	Income Limits			newhouse
VN:LANDC	Housing Cost		newhouse	
VN:LANPMT	Housing Cost	houshld	newhouse	
VN:LAT70S	Unit	houshld		

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:LAUNDY	Unit	houshld	newhouse	
VN:LDMAYB	Lead Based Paint	houshld		
VN:LDTEST	Lead Based Paint	houshld		
VN:LEAK	Unit Quality	houshld	newhouse	
VN:LISCH	Recent Movers	houshld	newhouse	
VN:LITTER	Neighborhood	houshld	newhouse	
VN:LIVEAT	Household Composition	houshld	newhouse	
VN:LIVING	Unit	houshld	newhouse	
VN:LMED	Income Limits			newhouse
VN:LMEDA	Income Limits			newhouse
VN:LMEDB	Income Limits			newhouse
VN:LODRNT	Income	person	person	
VN:LODSTA	Income	person	person	
VN:LONGIT	Household Composition	toppuf		
VN:LOOKHS	Housing Cost	houshld	newhouse	
VN:LOOKNS	Housing Cost	houshld	newhouse	
VN:LOON	Housing Cost	mortg	mortg	
VN:LOON2	Housing Cost	mortg	mortg	
VN:LOT	Unit	houshld	newhouse	
VN:LOWIN2	Housing Cost		mortg	
VN:LOWINT	Housing Cost		mortg	
VN:LPRICE	Housing Cost	houshld	newhouse	
VN:LRENT	Housing Cost	houshld	newhouse	
VN:LT25K	Income	houshld		
VN:LTSOK	Unit Quality	houshld	newhouse	
VN:LTSOK1	Unit Quality	houshld		
VN:LTSOK2	Unit Quality	houshld		
VN:LVALUE	Housing Cost	houshld	newhouse	
VN:LVCARP	Unit	houshld		
VN:M3ROD	Unit Quality	houshld	newhouse	
VN:MAJR1	Unit Quality	houshld	newhouse	
VN:MAJR2	Unit Quality	houshld	newhouse	
VN:MAJR3	Unit Quality	houshld	newhouse	
VN:MAR	Household Composition	person	person	
VN:MARKET	Sample status, weights, interview status	houshld	newhouse	
VN:MARKT	Sample status, weights, interview status	houshld	newhouse	
VN:MATBUY	Housing Cost	mortg	mortg	
VN:MATBY2	Housing Cost	mortg	mortg	
VN:MCNT	Housing Cost	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:MCOM	Housing Cost	mortg	mortg	
VN:MCOM2	Housing Cost	mortg	mortg	
VN:METRO	Geography	toppuf		
VN:METRO3	Geography	toppuf	newhouse	
VN:MFARM	Housing Cost	mortg	mortg	
VN:MFARM2	Housing Cost	mortg	mortg	
VN:MG	Housing Cost	houshld	newhouse	
VN:MH32	Housing Cost	houshld		
VN:MH41	Mobile Homes	houshld		
VN:MH42	Mobile Homes	houshld		
VN:MH43	Mobile Homes	houshld		
VN:MH44	Mobile Homes	houshld		
VN:MH45	Mobile Homes	houshld		
VN:MHGONE	Mobile Homes	houshld		
VN:MHOTFE	Housing Cost	houshld	newhouse	
VN:MHSETQ	Mobile Homes	houshld	newhouse	
VN:MHSTAY	Mobile Homes	houshld	newhouse	
VN:MICE	Unit Quality	houshld	newhouse	
VN:MINR1	Unit Quality	houshld	newhouse	
VN:MINR2	Unit Quality	houshld	newhouse	
VN:MINR3	Unit Quality	houshld	newhouse	
VN:MOBILTYP	Unit			
VN:MOPERM	Unit	houshld	newhouse	
VN:MORTIN	Housing Cost	mortg	mortg	
VN:MORTN2	Housing Cost	mortg	mortg	
VN:MOVAC	Sample status, weights, interview status	houshld	newhouse	
VN:MOVE	Recent Movers	person	person	
VN:MOVGRP	Recent Movers	rmov	rmov	
VN:MOVM	Recent Movers	person	person	
VN:MRTYP1	Housing Cost		mortg	
VN:MRTYP2	Housing Cost		mortg	
VN:MUSTEL	Lead Based Paint	houshld		
VN:MVCNT1	Recent Movers	houshld	newhouse	
VN:MVCNT2	Recent Movers	houshld	newhouse	
VN:MVCNT3	Recent Movers	houshld	newhouse	
VN:MVG	Recent Movers	person	person	
VN:NATVTY	Household Composition		person	
VN:NEWMOR	Housing Cost	mortg	mortg	
VN:NEWMR2	Housing Cost	mortg	mortg	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:NEWTRN	Neighborhood	houshld	newhouse	
VN:NLBSY	Recent Movers	houshld	newhouse	
VN:NLEAK1	Unit Quality	houshld	newhouse	
VN:NLEAK2	Unit Quality	houshld	newhouse	
VN:NLHPPY	Recent Movers	houshld	newhouse	
VN:NLMOBL	Recent Movers	houshld	newhouse	
VN:NLMOV	Recent Movers	houshld	newhouse	
VN:NLNLIK	Recent Movers	houshld	newhouse	
VN:NLNPR	Recent Movers	houshld	newhouse	
VN:NLOTHR	Recent Movers	houshld	newhouse	
VN:NLUNK	Recent Movers	houshld	newhouse	
VN:NOINT	Sample status, weights, interview status	houshld	newhouse	
VN:NOISE	Neighborhood	houshld	newhouse	
VN:NOISN1	Neighborhood	houshld	newhouse	
VN:NOISN2	Neighborhood	houshld	newhouse	
VN:NOISN3	Neighborhood	houshld	newhouse	
VN:NONE	Utilities	houshld	newhouse	
VN:NOOTHRM	Unit	houshld		
VN:NOPROB	Neighborhood	houshld	newhouse	
VN:NORC	Neighborhood		newhouse	
VN:NOSTEP	Household Composition			
VN:NOTSUR	Unit Quality	houshld	newhouse	
VN:NOWIRE	Unit Quality	houshld	newhouse	
VN:NPROBS	Neighborhood	houshld	newhouse	
VN:NROWNR	Household Composition	houshld	newhouse	
VN:NRPAYM	Household Composition	houshld	newhouse	
VN:NUMAIR	Unit	houshld	newhouse	
VN:NUMBLOW	Unit Quality	houshld	newhouse	
VN:NUMCOLD	Unit Quality	houshld	newhouse	
VN:NUMDRY	Unit Quality	houshld	newhouse	
VN:NUMHS	Recent Movers	houshld	newhouse	
VN:NUMMOR	Housing Cost	toppuf	newhouse	
VN:NUMSEW	Unit Quality	houshld	newhouse	
VN:NUMTLT	Unit Quality	houshld	newhouse	
VN:NUNIT2	Unit	houshld	newhouse	
VN:NUNITS	Unit	houshld	newhouse	
VN:OAFUEL	Utilities	houshld	newhouse	
VN:OARSYS	Unit	houshld	newhouse	
VN:OBEDRM	Unit	houshld		

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:ODIN	Unit	houshld		
VN:ODIRAC	Unit	houshld		
VN:ODORA	Neighborhood	houshld	newhouse	
VN:ODORB	Neighborhood	houshld	newhouse	
VN:ODORC	Neighborhood	houshld	newhouse	
VN:OKITCH	Unit	houshld		
VN:OLIVIN	Unit	houshld		
VN:OMAINT	Unit Quality	houshld		
VN:OOTHRM	Unit	houshld		
VN:OTBUP	Unit	houshld	newhouse	
VN:OTHCLD	Unit Quality	houshld	newhouse	
VN:OTHEST	Income	person	person	
VN:OTHFN	Unit	houshld	newhouse	
VN:OTHLQ	Unit	houshld	newhouse	
VN:OTHLQ1	Unit	houshld		
VN:OTHLQ2	Unit	houshld		
VN:OTHNHD	Neighborhood	houshld	newhouse	
VN:OTHPMT	Housing Cost	mortg	mortg	
VN:OTHREF	Housing Cost		mortg	
VN:OTHRUN	Unit	houshld	newhouse	
VN:OTLEAK	Unit Quality	houshld	newhouse	
VN:OTPMT2	Housing Cost	mortg	mortg	
VN:OTREF2	Housing Cost		mortg	
VN:OUTPEL	Lead Based Paint	houshld		
VN:OUTPNT	Lead Based Paint	houshld		
VN:OVEN	Unit	houshld	newhouse	
VN:OWNHERE	Unit	owner	owner	
VN:OWNLOT	Unit	houshld	newhouse	
VN:PAFUR	Utilities	houshld	newhouse	
VN:PAPHLT	Lead Based Paint	houshld		
VN:PAR	Household Composition	person	person	
VN:PASS	Commuting	jtw	jtw	
VN:PCOKST	Utilities	houshld	newhouse	
VN:PEELAM	Lead Based Paint	houshld		
VN:PEELSZ	Lead Based Paint	houshld		
VN:PELECT	Utilities	houshld	newhouse	
VN:PER	Household Composition	toppuf	newhouse	
VN:PERSERV	Unit			
VN:PERSINT	Household Composition	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:PERSON	Household Composition	jtw	jtw	
VN:PERSON	Household Composition	person	person	
VN:PERUS1	Housing Cost		mortg	
VN:PERUS2	Housing Cost		mortg	
VN:PFLOT	Utilities	houshld	newhouse	
VN:PFRPL	Utilities	houshld	newhouse	
VN:PFRPLI	Utilities	houshld	newhouse	
VN:PHONE	Unit	toppuf	newhouse	
VN:PHOTH	Utilities	houshld	newhouse	
VN:PHPMP	Utilities	houshld	newhouse	
VN:PILEAK	Unit Quality	houshld	newhouse	
VN:PINCO2	Housing Cost	mortg	mortg	
VN:PINCOP	Housing Cost	mortg	mortg	
VN:PLEAK	Unit Quality	houshld	newhouse	
VN:PLF	Utilities	houshld	newhouse	
VN:PLINE	Household Composition	person	person	
VN:PLUGS	Unit	houshld	newhouse	
VN:PLUMB	Unit Quality	toppuf	newhouse	
VN:PMAMT2	Housing Cost		mortg	
VN:PMIAMT	Housing Cost		mortg	
VN:PMIPMT	Housing Cost		mortg	
VN:PMOVM	Recent Movers	houshld	newhouse	
VN:PMOVYR	Recent Movers	houshld	newhouse	
VN:PMPMT2	Housing Cost		mortg	
VN:PMSA	Geography	toppuf		
VN:PMT	Housing Cost	mortg	mortg	
VN:PMT2	Housing Cost	mortg	mortg	
VN:PMT3	Housing Cost	mortg	mortg	
VN:PMT4	Housing Cost	mortg	mortg	
VN:POOR	Housing Cost			
VN:PORCH	Unit	houshld	newhouse	
VN:PORTH	Utilities	houshld	newhouse	
VN:PPLF	Utilities	houshld	newhouse	
VN:PQIDRI	Income			
VN:PQOTALM	Income			
VN:PQOTHNR	Income			
VN:PQRETIR	Income			
VN:PQSAL	Income			
VN:PQSALNR	Income			

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:PQSELF	Income			
VN:PQSELFNR	Income			
VN:PQSS	Income			
VN:PQSSI	Income			
VN:PQWELF	Income			
VN:PQWKCMP	Income			
VN:PRENT	Housing Cost	houshld	newhouse	
VN:PREOCC	Household Composition	houshld	newhouse	
VN:PROJ	Housing Cost	houshld	newhouse	
VN:PSTEAM	Utilities	houshld	newhouse	
VN:PSTOVE	Utilities	houshld	newhouse	
VN:PSUDOTCT	Geography			
VN:PUBSEW	Unit	houshld	newhouse	
VN:PVALUE	Housing Cost	houshld	newhouse	
VN:PVOTHER	Income			
VN:PWT	Sample status, weights, interview status	weight	newhouse	
VN:QALIM	Income	houshld	newhouse	
VN:QBINV	Income	houshld	newhouse	
VN:QBUS	Income	houshld	newhouse	
VN:QDIV	Income	houshld	newhouse	
VN:QFS1	Income	houshld	newhouse	
VN:QIDRI	Household Composition			
VN:QINT	Income	houshld	newhouse	
VN:QMEN	Income	houshld	newhouse	
VN:QOINV	Income	houshld	newhouse	
VN:QOTALM	Household Composition			
VN:QOTHER	Income	houshld	newhouse	
VN:QRENT	Income	houshld	newhouse	
VN:QRETIR	Household Composition			
VN:QSAVNG	Income	houshld	newhouse	
VN:QSELF	Household Composition			
VN:QSS	Income	houshld	newhouse	
VN:QSSI	Household Composition			
VN:QWELF	Income	houshld	newhouse	
VN:QWELF	Income Limits			
VN:QWKCMP	Income	houshld	newhouse	
VN:RAC	Upgrade and Remodeling	toppuf	newhouse	
VN:RACE	Household Composition	person	person	
VN:RAD	Upgrade and Remodeling	homimp	homimp	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:RAH	Upgrade and Remodeling	homimp	homimp	
VN:RAILOK	Unit Quality	houshld	newhouse	
VN:RAILOK1	Unit Quality	houshld		
VN:RAILOK2	Unit Quality	houshld		
VN:RAM	Housing Cost		newhouse	
VN:RAMAP	Housing Cost	mortg		
VN:RAMORT	Housing Cost	mortg		
VN:RAN	Upgrade and Remodeling	toppuf	newhouse	
VN:RAS	Upgrade and Remodeling	homimp	homimp	
VN:RAS	Income Limits			
VN:RATS	Unit Quality	houshld	newhouse	
VN:RAW	Upgrade and Remodeling	homimp		
VN:RAY	Upgrade and Remodeling	homimp		
VN:RCARP	Income	ratiov	ratiov	
VN:RCLOT	Income	ratiov	ratiov	
VN:RCNTRL	Housing Cost	houshld	newhouse	
VN:RCOST	Income	ratiov	ratiov	
VN:RECRM	Unit	houshld	newhouse	
VN:REDMON	Housing Cost			
VN:REDPA2	Housing Cost		mortg	
VN:REDPAY	Housing Cost		mortg	
VN:REFI	Housing Cost		mortg	
VN:REFI2	Housing Cost		mortg	
VN:REFR	Unit	houshld	newhouse	
VN:REGION	Geography	toppuf	newhouse	
VN:REGMOR	Housing Cost	houshld	newhouse	
VN:REL	Household Composition	person	person	
VN:REMP	Household Composition	person		
VN:RENEW	Housing Cost	houshld	newhouse	
VN:RENT	Housing Cost	houshld	newhouse	
VN:REPHA	Income	houshld	newhouse	
VN:RESMOR	Housing Cost	mortg	mortg	
VN:RESMR2	Housing Cost	mortg	mortg	
VN:RESPTYP	Household Composition	houshld	newhouse	
VN:REUAD	Sample status, weights, interview status	houshld	newhouse	
VN:RGROC	Income	ratiov	ratiov	
VN:RKIDC	Income	ratiov	ratiov	
VN:RLEAK	Unit Quality	houshld	newhouse	
VN:RMEDI	Income	ratiov	ratiov	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:RMOV	Recent Movers	rmov	rmov	
VN:RNTADJ	Housing Cost	houshld	newhouse	
VN:RNTDUE	Income	person	person	
VN:ROOMS	Unit	toppuf	newhouse	
VN:ROOMSA	Unit	houshld		
VN:ROOMSB	Unit	houshld		
VN:ROTHE	Income	ratiov	ratiov	
VN:RUTIL	Income	ratiov	ratiov	
VN:S150MV	Sample status, weights, interview status	houshld	newhouse	
VN:SAFUR	Utilities	houshld	newhouse	
VN:SAL	Income	person	person	
VN:SAMEDU	Sample status, weights, interview status	houshld	newhouse	
VN:SAMEHH	Household Composition	houshld	newhouse	
VN:SAMEHH2	Household Composition			
VN:SATPOL	Neighborhood	houshld	newhouse	
VN:SCH	Neighborhood	houshld	newhouse	
VN:SCHCLS	Neighborhood	houshld	newhouse	
VN:SCHM	Neighborhood	houshld	newhouse	
VN:SCHNO	Household Composition	houshld	newhouse	
VN:SCHOTH	Household Composition	houshld	newhouse	
VN:SCHPRI	Household Composition	houshld	newhouse	
VN:SCHPUB	Household Composition	houshld	newhouse	
VN:SCOAL	Utilities	houshld	newhouse	
VN:SCOKST	Utilities	houshld	newhouse	
VN:SELECT	Utilities	houshld	newhouse	
VN:SELL	Housing Cost	mortg	mortg	
VN:SELL2	Housing Cost	mortg	mortg	
VN:SEWDIS	Unit	houshld	newhouse	
VN:SEWDUS	Unit	houshld	newhouse	
VN:SEX	Household Composition	person	person	
VN:SFLIN	Utilities	houshld	newhouse	
VN:SFLOT	Utilities	houshld	newhouse	
VN:SFRPL	Utilities	houshld	newhouse	
VN:SFRPLI	Utilities	houshld	newhouse	
VN:SGAS	Utilities	houshld	newhouse	
VN:SHARAT	Unit	houshld	newhouse	
VN:SHARFR	Unit	houshld	newhouse	
VN:SHARPF	Neighborhood	houshld	newhouse	
VN:SHOTH	Utilities	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:SHP	Neighborhood	houshld	newhouse	
VN:SHPCLS	Neighborhood	houshld	newhouse	
VN:SHPMP	Utilities	houshld	newhouse	
VN:SINHV	Unit	houshld	newhouse	
VN:SINK	Unit	houshld	newhouse	
VN:SINVV	Unit	houshld	newhouse	
VN:SJUICE	Utilities	houshld	newhouse	
VN:SKERO	Utilities	houshld	newhouse	
VN:SMPEEL	Lead Based Paint	houshld		
VN:SMSA	Geography	toppuf	newhouse	
VN:SNDPNT	Lead Based Paint	houshld		
VN:SNITEV	Household Composition	houshld	newhouse	
VN:SOIL	Utilities	houshld	newhouse	
VN:SOTHER	Utilities	houshld	newhouse	
VN:SOTHV	Unit	houshld	newhouse	
VN:SPAN	Household Composition	person	person	
VN:SPLF	Utilities	houshld	newhouse	
VN:SPORTH	Utilities	houshld	newhouse	
VN:SPOS	Household Composition	person	person	
VN:SRECV	Unit	houshld	newhouse	
VN:SRENTV	Unit	houshld	newhouse	
VN:SSELV	Unit	houshld	newhouse	
VN:SSTEAM	Utilities	houshld	newhouse	
VN:SSTOVE	Utilities	houshld	newhouse	
VN:SSUN	Utilities	houshld	newhouse	
VN:STATE	Geography	toppuf		
VN:STATUS	Household Composition	houshld	newhouse	
VN:STATUS	Household Composition	houshld	newhouse	
VN:STEAM	Unit	houshld	newhouse	
VN:STORG	Unit	houshld		
VN:STOVE	Utilities	houshld	newhouse	
VN:STRNA	Neighborhood	houshld	newhouse	
VN:STRNB	Neighborhood	houshld	newhouse	
VN:STRNC	Neighborhood	houshld	newhouse	
VN:SUBFIX	Upgrade and Remodeling	houshld	newhouse	
VN:SUBMOR	Housing Cost	mortg	mortg	
VN:SUBMR2	Housing Cost	mortg	mortg	
VN:SUBMR3	Housing Cost	mortg	mortg	
VN:SUBMR4	Housing Cost	mortg	mortg	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:SUBRNT	Income	houshld	newhouse	
VN:SUBRNT1	Income	houshld		
VN:SUBRNT2	Income	houshld		
VN:SWOOD	Utilities	houshld	newhouse	
VN:SXUREV	Sample status, weights, interview status	houshld	newhouse	
VN:TADJ	Housing Cost	houshld	newhouse	
VN:TALWIR	Unit Quality	houshld	newhouse	
VN:TASB	Unit Quality	houshld	newhouse	
VN:TAXPMT	Housing Cost	mortg	mortg	
VN:TELAV	Unit	houshld		
VN:TELHH	Unit	houshld		
VN:TEN	Household Composition	person	person	
VN:TENURE	Unit	houshld	newhouse	
VN:TERM	Housing Cost	mortg	mortg	
VN:TERM2	Housing Cost	mortg	mortg	
VN:TIMEJ	Commuting	jtw	jtw	
VN:TIMSHR	Unit	houshld	newhouse	
VN:TLRMOV	Recent Movers	houshld	newhouse	
VN:TOILET	Unit Quality	houshld	newhouse	
VN:TPARK	Mobile Homes	houshld	newhouse	
VN:TPBPAI	Lead Based Paint	houshld	newhouse	
VN:TPBPIP	Lead Based Paint	houshld	newhouse	
VN:TPBSOL	Lead Based Paint	houshld	newhouse	
VN:TRADON	Unit Quality	houshld	newhouse	
VN:TRAN	Commuting	jtw	jtw	
VN:TRASH	Unit	houshld	newhouse	
VN:TREP	Unit Quality	houshld	newhouse	
VN:TRN	Commuting	houshld	newhouse	
VN:TRUCKS	Commuting	houshld	newhouse	
VN:TUB	Unit	houshld	newhouse	
VN:TWATER	Unit Quality	houshld	newhouse	
VN:TXPMT2	Housing Cost	mortg	mortg	
VN:TXRE	Housing Cost	houshld	newhouse	
VN:TYPE	Unit	houshld	newhouse	
VN:UNITSF	Unit	houshld	newhouse	
VN:USEGAS	Utilities	houshld	newhouse	
VN:USETRN	Commuting	houshld	newhouse	
VN:USFCAM	Upgrade and Remodeling	houshld	newhouse	
VN:USFCHG	Upgrade and Remodeling	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:VACANCY	Unit	houshld	newhouse	
VN:VACVAC	Sample status, weights, interview status	houshld	newhouse	
VN:VALUE	Housing Cost	houshld	newhouse	
VN:VARM	Housing Cost	mortg	mortg	
VN:VARM2	Housing Cost	mortg	mortg	
VN:VARY	Housing Cost	mortg	mortg	
VN:VARY2	Housing Cost	mortg	mortg	
VN:VCHER	Income	houshld	newhouse	
VN:VEHCL	Commuting	jtw	jtw	
VN:VOTHER	Income	houshld	newhouse	
VN:VOTHER	Income Limits			
VN:VOTHER2	Income			
VN:WALLX	Upgrade and Remodeling	houshld		
VN:WALREP	Upgrade and Remodeling	houshld		
VN:WASH	Unit	houshld	newhouse	
VN:WATER	Unit	houshld	newhouse	
VN:WATERD	Unit	houshld	newhouse	
VN:WATERS	Unit Quality	houshld	newhouse	
VN:WEIGHT	Sample status, weights, interview status	weight	newhouse	
VN:WELDUS	Unit	houshld	newhouse	
VN:WELL	Unit	houshld	newhouse	
VN:WFPROP	Unit	houshld	newhouse	
VN:WFUEL	Utilities	houshld	newhouse	
VN:WGT90GEO	Sample status, weights, interview status		newhouse	
VN:WHAVL	Recent Movers	houshld	newhouse	
VN:WHDSN	Recent Movers	houshld	newhouse	
VN:WHDY	Household Composition	jtw	jtw	
VN:WHEXT	Recent Movers	houshld	newhouse	
VN:WHFIN	Recent Movers	houshld	newhouse	
VN:WHHRB	Household Composition	jtw	jtw	
VN:WHHRW	Household Composition	jtw	jtw	
VN:WHKIT	Recent Movers	houshld	newhouse	
VN:WHNGET	Unit	houshld	newhouse	
VN:WHOME	Household Composition	jtw	jtw	
VN:WHOTH	Recent Movers	houshld	newhouse	
VN:WHQUL	Recent Movers	houshld	newhouse	
VN:WHSIZ	Recent Movers	houshld	newhouse	
VN:WHYCD1	Unit Quality	houshld	newhouse	
VN:WHYCD2	Unit Quality	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:WHYCD3	Unit Quality	houshld	newhouse	
VN:WHYCD4	Unit Quality	houshld	newhouse	
VN:WHYCD5	Unit Quality	houshld	newhouse	
VN:WHYMOVE	Recent Movers	houshld	newhouse	
VN:WHYRD	Recent Movers	houshld	newhouse	
VN:WHYTOH	Recent Movers	houshld	newhouse	
VN:WHYTON	Recent Movers	houshld	newhouse	
VN:WINREP	Upgrade and Remodeling	houshld		
VN:WINUS	Household Composition	jtw	jtw	
VN:WINX	Upgrade and Remodeling	houshld		
VN:WLEAK	Unit Quality	houshld	newhouse	
VN:WLINEQ	Household Composition	person	person	
VN:WMCHEP	Recent Movers	houshld	newhouse	
VN:WMCHTN	Recent Movers	houshld	newhouse	
VN:WMCLOS	Recent Movers	houshld	newhouse	
VN:WMCNDO	Recent Movers	houshld	newhouse	
VN:WMDISL	Recent Movers	houshld	newhouse	
VN:WMFAML	Recent Movers	houshld	newhouse	
VN:WMFEMP	Recent Movers	houshld	newhouse	
VN:WMGOVP	Recent Movers	houshld	newhouse	
VN:WMGOVT	Recent Movers	houshld	newhouse	
VN:WMHOUS	Recent Movers	houshld	newhouse	
VN:WMJOBS	Recent Movers	houshld	newhouse	
VN:WMLARG	Recent Movers	houshld	newhouse	
VN:WMMARR	Recent Movers	houshld	newhouse	
VN:WMNFIT	Recent Movers	houshld	newhouse	
VN:WMONHH	Recent Movers	houshld	newhouse	
VN:WMOTHR	Recent Movers	houshld	newhouse	
VN:WMOWNR	Recent Movers	houshld	newhouse	
VN:WMPRIV	Recent Movers	houshld	newhouse	
VN:WMQUAL	Recent Movers	houshld	newhouse	
VN:WMREPR	Recent Movers	houshld	newhouse	
VN:WNFUN	Recent Movers	houshld	newhouse	
VN:WNHOME	Recent Movers	houshld	newhouse	
VN:WNJOB	Recent Movers	houshld	newhouse	
VN:WNLOOK	Recent Movers	houshld	newhouse	
VN:WNOTHR	Recent Movers	houshld	newhouse	
VN:WNPEPL	Recent Movers	houshld	newhouse	
VN:WNSCH	Recent Movers	houshld	newhouse	

VARIABLE	TOPIC	Module 1999 and Earlier	Module 2001 and Later	Module 2003 and Later
VN:WNSRV	Recent Movers	houshld	newhouse	
VN:WNTRAN	Recent Movers	houshld	newhouse	
VN:WTIME	Commuting	jtw	jtw	
VN:WTRHRL	Unit Quality	houshld	newhouse	
VN:XCOND	Recent Movers	rmov	rmov	
VN:XCOOP	Recent Movers	rmov	rmov	
VN:XCOST	Recent Movers	rmov	rmov	
VN:XHEAD	Recent Movers	rmov	rmov	
VN:XHRATE	Recent Movers	houshld	newhouse	
VN:XINUS	Recent Movers	rmov	rmov	
VN:XNRATE	Recent Movers	houshld	newhouse	
VN:XPER	Recent Movers	rmov	rmov	
VN:XREL	Recent Movers	rmov	rmov	
VN:XTEN	Recent Movers	rmov	rmov	
VN:XUNIT	Recent Movers	rmov	rmov	
VN:YRMOR	Housing Cost	mortg	mortg	
VN:YRMOR2	Housing Cost	mortg	mortg	
VN:YRRND	Unit	houshld	newhouse	
VN:ZADEQ	Unit Quality	toppuf	newhouse	
VN:ZADULT	Household Composition	toppuf	newhouse	
VN:ZINC	Income	toppuf	newhouse	
VN:ZINC2	Income	toppuf	newhouse	
VN:ZINCH	Income	houshld	newhouse	
VN:ZINCN	Income	houshld	newhouse	
VN:ZMVGRP	Household Composition			
VN:ZONE	Geography	houshld		
VN:ZSMHC	Housing Cost	toppuf	newhouse	

Appendix G: Version History

Version	Date	Change
0.10	10/12/01	First public release
0.11	10/15/01	Addition of Survey year, Module source
0.15	10/17/01	Addition of unit of observation, identification of variable name if using the “single file” or “flattened” format version of the AHS. The single file format is similar to the 1995 and earlier versions of the AHS.
0.20	11/1/01	Addition of type (numeric/character), missing value codings, correction of numerous codings, first draft of Appendix A with definitions.
0.30	11/19/01	Addition of topcoding information, cross-reference of allocation flag variables, identification of 1998 MSA variables. Organization by topic area, including alphabetical list of variables and short descriptions, and topic list of variables and short descriptions. Comments for certain variables.
0.40	1/18/02	Addition of allocation matrix information, first round of universe restrictions, many little edits correcting typos, changing of abbreviations, etc.
0.50	2/4/02	Addition of “English” version of universe restrictions. Moving of coding of universe restrictions to an appendix. Many other little edits. Starting of inclusion of draft text for sections.
0.60	2/25/02	Editing of long descriptions, revised text, other edits.
0.70	5/13/02	Information on changes and variables in the 2001 data, minor edits.
1.00	6/20/02	Addition of some new 2001 variables, minor edits. The release of this version coincides with the release of 2001 AHS data.
1.10	12/18/02	Addition of information on new weighting variable, WGT90GEO, and numerous other edits.
1.20	07/08/03	Added information on 2002 MSA variables, and minor edits.

1.50	09/11/03	Added documentation about topcoding and other confidentiality measures that occur on the AHS public use files.
1.60	6/01/04	Addition of new 2003 variables, minor edits. The release of this version coincides with the release of the 2003 AHS data.
1.75	9/23/04	Addition of income limit variables, minor edits.
1.77	12/30/2004	Updated module information for income limit variables (Appendix F), and added specific information on REGION variable.
1.78	7/13/2005	Addition of 2004 MS variables, minor edits including revised contact information. The release of this version closely follows the release of the 2004 MS dataset of the AHS.
1.8	10/04/2006	Addition of new 2005 variables, minor edits
1.9	4/6/2009	Addition of new 2007 variables, minor edits

Appendix H: Merging Files Examples

Note: This information is only relevant for users not using the "flat-file" version.

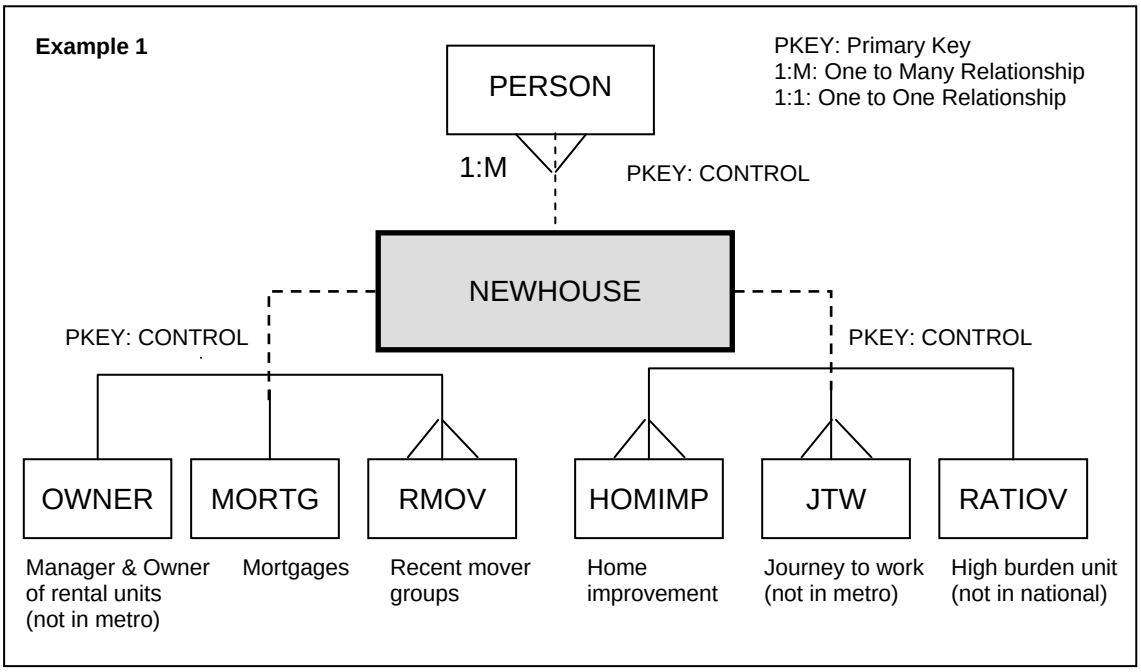
The standard distribution of the AHS is as a single SAS transport data file which contains multiple component files. HUD also makes the data available in this format as an ASCII or text file.

Many users of the AHS use the "flat file" version of the file, which is the distribution from the Census Bureau which the user then runs the "file flattening" program on. That SAS program converts the data into a single file format with each observation representing one household. This flat file was designed to be very similar to the AHS data structure before 1997.

This section describes the data structure for the AHS when using the data in its "native" distribution format – not converted to a flat file. There are also some brief examples of how certain data can be merged together for common tasks. These examples only provide a short summary of the logic behind merging the files together and not the exact code. In all examples, the shaded boxes are the files used in merging.

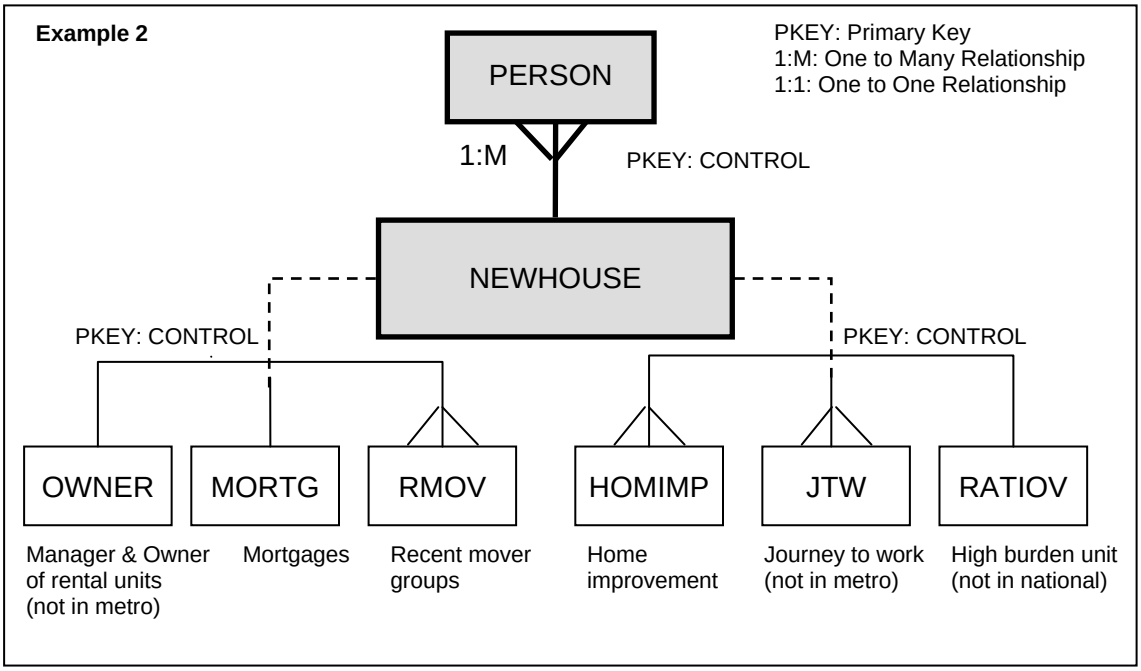
Example 1: Count of number of occupied units

Number of units can be estimated by summing the WEIGHT variable for all observations which have STATUS=1. This requires only the NEWHOUSE file, and no other files.



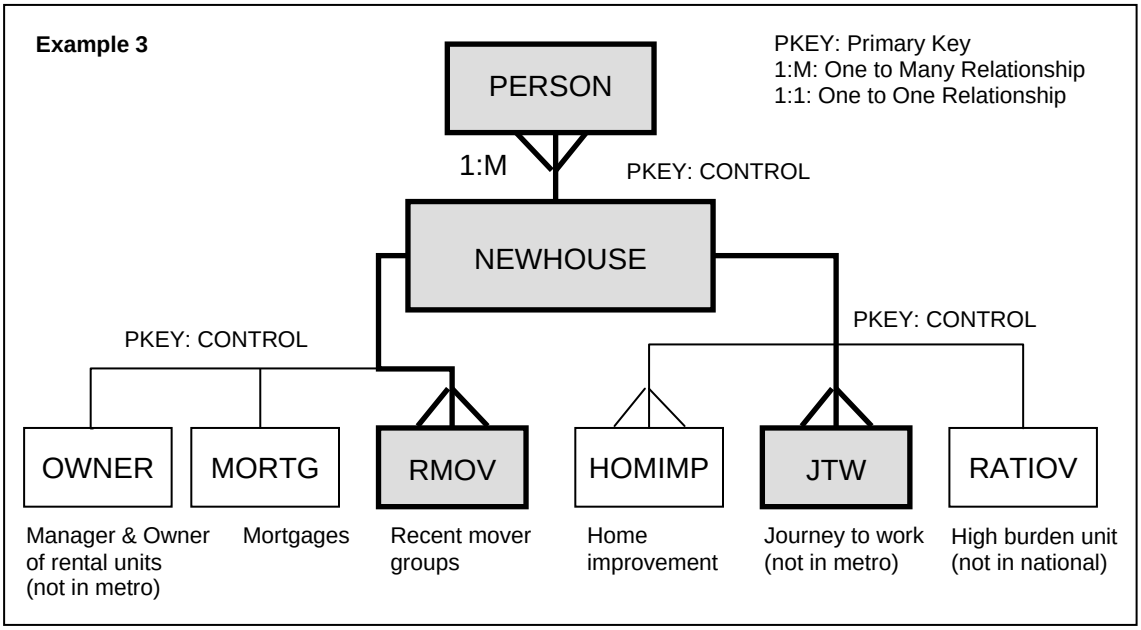
Example 2: Count of number of households with children under 6

To estimate the number of households with children under 6, first use the PERSON file and limit the data based on the AGE variable to less than 6. Then restrict the data to only one case per household – this prevents double counting households with multiple children under six. Then match the remaining records to the NEWHOUSE file. For those records that matched, sum the weights to come up with the total estimate of number of households with children under 6.



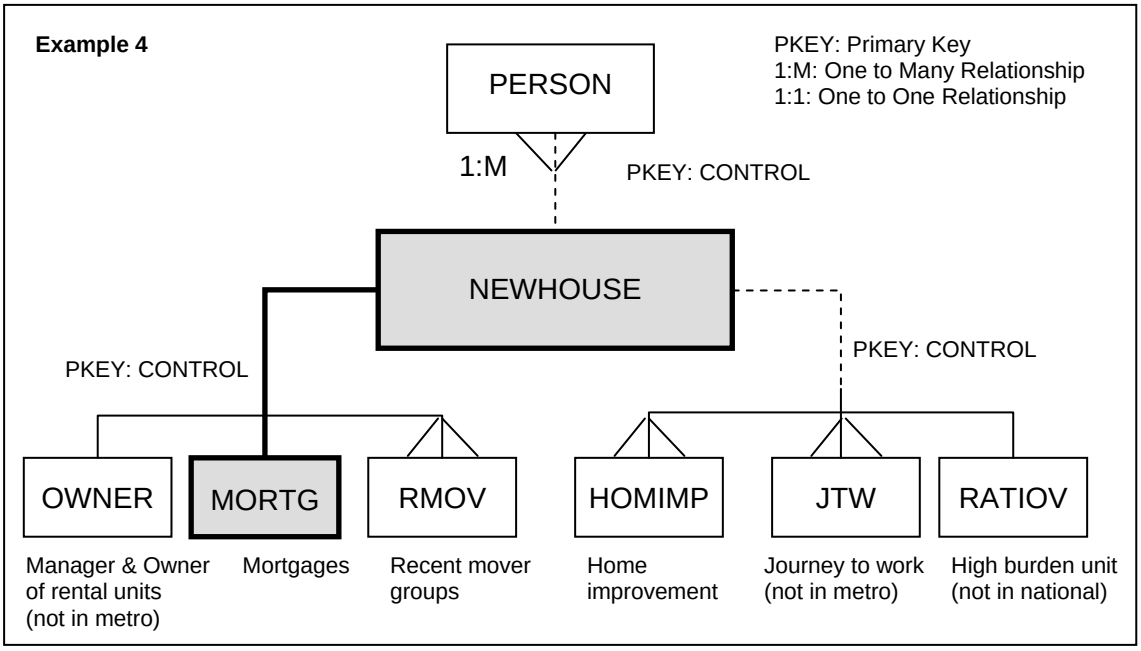
Example 3: Commuting patterns of people who moved recently

First use the RMOV file to limit the sample to households who have moved recently. Using that subsample, match to the NEWHOUSE, only keeping cases in both datasets. As a second step, merge PERSON and JTW by the CONTROL and PLINE data. Then merge the "recent movers" from the first step with the combined PERSON and JTW from the second step, only keeping the housing units that were present in the first file. The result will be a dataset of commuting information for households who have moved recently.



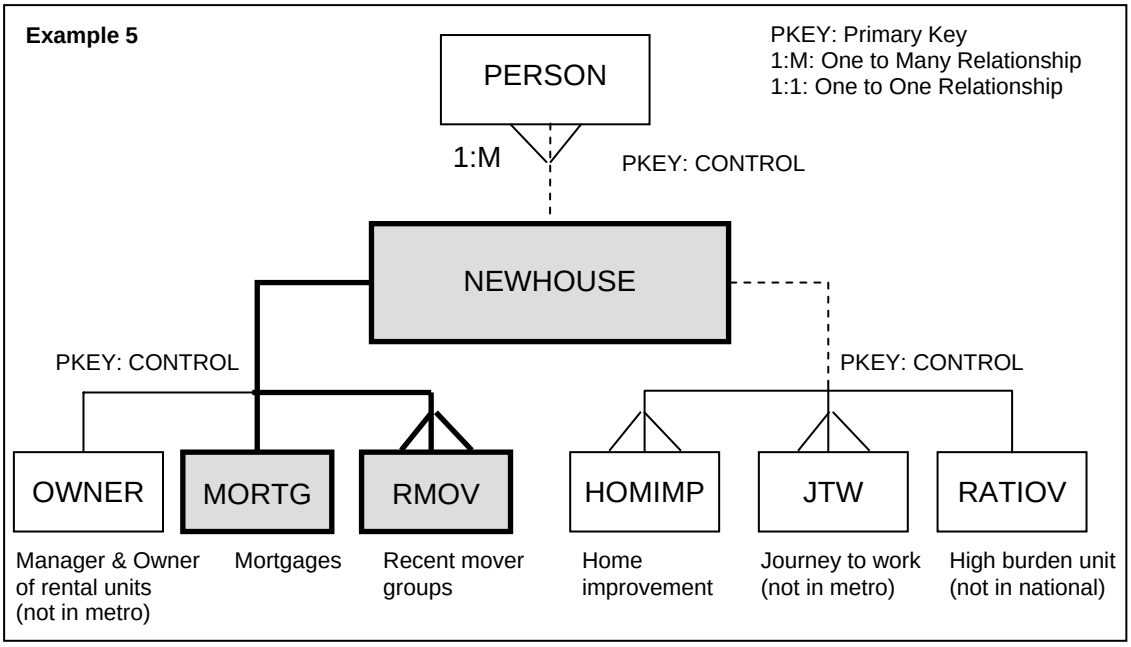
Example 4: Count of number of units with HELOCs

Using the MORTG file, limit the data to households with Home Equity Line of Credit (HELOC). Merge that subsample with the NEWHOUSE file, only keeping the households from the subsample. Then sum the WEIGHT variable to get the estimate of the total number of units with HELOCs.



Example 5: Characteristics of mortgages for recent movers

First use the RMOV file to limit to households who have moved recently. Then merge this subsample to the NEWHOUSE, only keeping observations from the subsample. Finally merge on the MTG data, again only keeping observations from the subsample.



Appendix I: AHS Data Users FAQs

The following is a compilation of FAQs. It is a re-posting of a document available on the HUD USER site that is pertinent to the AHS Codebook. This is why it is presented here as it can be found on the web site. The below document was last updated on September 9, 2008.

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Introduction

This is a collection of specific questions asked by data users about the American Housing Survey. As with any such document, it is always a work in progress. Please send your additions or corrections to the contact person listed above.

Many of the items in this FAQ are answers to questions asked on the American Housing Survey mailing list. You can find out how to subscribe to this mailing list by going to the HUD USER web site at http://www.huduser.org/emaillists/ahslist.html.

If you are viewing this document on your computer, you can use Microsoft Word's View\Outline feature to scan the questions quickly. Set it to show level 2, and the answers to the questions will all be hidden. Double-click on the "+" symbol in front of a question to view an answer you want to see. Note also that the assignment of questions to the major divisions is a matter of judgment. Thus, if you don't find the answer you are looking for in the section where you expect to find it, you should check the others.

Many of the entries have a date stamp in curly braces, such as {6/6/2008}, which indicates the last time the entry was updated.

At the end of this document is a glossary that lists the descriptive labels of all variables mentioned in this document.

Contributors

Many people have contributed to the information in this document. Prominent among them are Duane McGough, Ron Sepanik, and Carolyn Lynch, of or retired from HUD, Tom Blatt, Paul Harple, Bill Hartnett, Dennis Schwanz, and Barbara Williams of or retired from the Census Bureau, and Greg Watson, formerly of ICF Consulting. David A. Vandenbroucke of HUD edited all contributions. He is responsible for any errors. Note that some of the answers below are

written in the first person. The “I” or “we” in those may refer to any of the contributors, HUD, the Census Bureau, or the AHS team.

General Questions

Q. How did the AHS get started?

The original motivation for the surveys came from the post-riot commissions in the late 1960s (Kaiser Committee and the Douglas Commission). The organizing meeting for the AHS was held in June 1970 at the Office of Management and Budget in Washington, DC. Participants included representatives of all the major domestic agencies, including all Cabinet Agencies: Labor; Health, Education and Welfare; Agriculture; Commerce (DoC); and of course, Housing and Urban Development (HUD). The proposal for an annual survey of the nation's housing stock, and of at least sixty metropolitan areas, to provide needed housing data on which to base housing and community development policies and programs between the decennial censuses, was a joint proposal from the Housing Division of the Bureau of the Census, DoC, and the Office of Economic and Market Analysis, HUD, each of which had the approval of their respective cabinet secretaries.

Outside, or HUD internal, data collection resources were not seriously considered, because only the Census Bureau had complete access to the confidential records of the decennial censuses, from which the basic national and metropolitan samples were to be selected. In addition, the Bureau controls the confidential records of the building permit, housing starts, and housing completions surveys, which were to be used to update the decennial census sample in permit-issuing areas. Neither other Federal agencies nor outside, private, firms had the national resources nor statistical and data processing capabilities to handle the mass of data expected to be collected.

For years, HUD had engaged the Census Bureau to collect housing production and marketing data to fill gaps in the housing statistical picture. New home sales, begun in 1959 by the Bureau of Labor Statistics for a HUD predecessor agency, HHFA, was transferred to the Census Bureau in 1963 because BLS was unable to carry on the work satisfactorily, and the data series fit nicely with the building permits and housing starts series already carried out by the Census Bureau, but in the Construction Division, not the Housing Division. In 1968, the Housing Completions Survey was added to the New Home Sales Survey funded by HUD and done by Census. In 1969, the Survey of Market Absorption of New Apartments was piggybacked on the existing production and marketing surveys, but was carried out by the Census Housing Division, whetting their appetite for more HUD dollars. In 1972, the Census Construction Division added the Survey of New Mobile Home Placements as a HUD sponsored and funded survey. The AHS, begun in 1973, is the most prominent in a line of HUD-funded and directed surveys conducted by the Census Bureau. Given the firm working relationship between HUD and Census, there was no question but that the AHS would follow that pattern.

The initial organizing meeting at OMB in 1970 unanimously approved the HUD-Census proposal for the AHS, and OMB set about assuring that adequate funds would be provided in the HUD research budget for transfer to Census to implement the survey.

Q. What are the important contact points for AHS information?

Note that the HUD contact is listed at the beginning of this document.
HUD USER

Web site: http://www.huduser.org/datasets/ahs.html

Phone: (800) 245 2691

Email: helpdesk@huduser.org

Mail:
P.O. Box 23268
Washington, DC 20026-3268
CENSUS BUREAU

Web site: http://www.census.gov/hhes/www/ahs.html

Phone: (301) 763-3235

Email: ahsn@census.gov

Mail:
Bureau of the Census
HHES Division
Washington, DC 20233-8500
Attn: AHS Branch

Q. What is the National Survey?

The National Survey (AHS-N) is conducted in every odd-numbered year. It is a nationally representative survey of the housing stock of the United States. It is a longitudinal survey, with the same housing units being surveyed each time (plus additions for new construction).

Q. What is the Metropolitan Survey?

Note: As of this writing (June 2008), the AHS metropolitan survey schedules are undergoing revision. The descripton below is based on current plans.

The Metropolitan Survey (AHS-MS, or "metro") is conducted in odd-numbered years. It cycles through a set of 21 metropolitan areas, surveying each one about once every six years. Like the national survey, the metro survey is longitudinal. However, metro survey samples have been redrawn more often than the national samples, and this reduces the time spans where longitudinality applies.

The metro survey program has changed many times, mostly in response to changes in the AHS budget. The summary above is the current plan, which was implemented in 2007. However, budget cuts forced a change to the 2009 survey, which we hope will be temporary. The 2009 survey includes five metropolitan areas (Chicago, Detroit, New York, Northern New Jersey, and

Philadelphia) as reinforced samples of the national survey, plus one independent metropolitan survey (Seattle).

During the period 1985-2004 the AHS surveyed 41 metropolitan areas. During 1985-1995, there were metro surveys every year, and the time between surveys of the same area was four years. During 1996-2004, the metro surveys were conducted in even numbered years, although there was none in 2000. In addition, during that period the six largest metropolitan areas (the five listed above plus Los Angeles) were surveyed every four years (that is, in 1995, 1999 and 2003) by a special reinforced samples as part of the national survey.

Microdata for the independent metropolitan surveys are published as a separate metropolitan dataset. This dataset includes a few variables that the national dataset does not, most notably ZONE, for submetropolitan areas. Microdata for the metropolitan surveys using the reinforced national samples are included in the national data sets. They do not include the ZONE variable. {6/6/2008}

Q. In what forms are the data published? How can I get them?

The main distinction is between microdata and tabular data.

Microdata include the individual (edited) responses from each interview. The version of the data available to the public is sometimes called the public use file, or PUF. These data are released by the Census Bureau to HUD in SAS datasets. HUD then produces ASCII versions of the datasets, to make them easier to import into other analysis software. Datasets from the 1995 and later surveys are available for download in both formats from the HUD USER web site. All datasets since the beginning of the survey are available on CD-ROM, from HUD USER and the Census Bureau. Datasets beginning with the 1997 survey can also be downloaded using the Census Bureau's FERRET system. Datasets from the 1993 and 1995 national surveys are available through the Census Bureau's Data Extraction System.

Tabular data are formatted tables, aggregated by certain characteristics. They are easier to use but less flexible than the microdata. Tabular data are available in printed reports, downloadable reports, online tables, and CD-ROMs. Printed reports and CD-ROMs can be ordered from HUD USER or the Census Bureau. Online and downloadable tables are available at the Census Bureau web site.

Q. How large are the samples?

Sample sizes depend on the year and the kind of survey (national or metropolitan). National survey samples sizes have been decreasing over the past few years. The 2007 survey selected about 55,300 units for interview. Of these about 2,150 were found to be ineligible, because the unit no longer existed or did not meet the AHS definition of a housing unit. Thus, the sample size was approximately 53,150 units.

The metropolitan survey sample sizes have varied more over the years, in response to budgetary pressures. The 2007 survey selected about 19,000 units for interview, of which about 1,000 were found to be ineligible, leaving approximately 18,000 units, or about 2,500 per metropolitan area (for seven metropolitan areas).

Q. How are new units added to the sample?

The Census Bureau samples building permits monthly to select new construction cases for all of the surveys including AHS. There is about a 7-month lag time from when a permit is issued to when the sample is selected and ready to be added to the sample for a survey. For AHS-N, this means we add about 24 months (from 6 months prior to the start of the previous interviewing to 7 months prior to the start of the current interviewing) of new permit sample cases to each AHS-N survey year. For 2011 AHS-N, we will be adding permit sample from permits issued in March 2010 through February 2011.

Q. What are the response rates for the surveys?

In the 2007 national survey, interviews were conducted for 46,588 eligible units yielding a response rate of 87.7 percent.

In the 2007 metropolitan survey, a total of 15,813 interviews were conducted yielding a response rate of 87.67 percent.

Q. What is the smallest unit of geography for the National survey? The Metropolitan survey?

The national survey identifies the four Census regions (REGION). It also identifies metropolitan areas over 100,000 in population (SMSA). Units are also identified as being in central cities, etc. (see the METRO3 variable).

The metropolitan survey identifies metropolitan areas and "zones," which are groups of Census tracts that comprise at least 100,000 in population and are as homogeneous as we can make them, given the size limit. In most metropolitan areas, zones do not cross central city boundaries. As far as possible, zones do not cross county boundaries or include more than one whole county.

Q. Can you do state estimates?

No. The sample sizes are too small to yield meaningful state estimates.

Q. Which metropolitan areas are identified in the national survey?

See the coding for SMSA in the codebook and the section on specific variables below.

Q. Which areas were covered in each metro survey?

See the list of publications at the Census Bureau web site, http://www.census.gov/hhes/www/housing/ahs/metropolitandata.html.

Q. Which Metro Survey panels were used in each survey year?

Download the document "History of AHS-MS Interviewing" from the HUD USER web site, http://www.huduser.org/datasets/ahs/ahsprev.html.

Computer Questions

Q. What codebooks do I need?

1. For surveys **up to 1993**, you need the "volume 1 codebook." This is available in paper from HUD USER or as a scanned PDF document on the HUD USER web site, http://www.huduser.org/datasets/ahs/ahsprev.html. Its official title is *Codebook for the American Housing Survey Data Base: 1973 to 1993*.

2. For the **1995 and 1996** surveys, you need the volume 1 codebook and the volume 2 codebook. Volume 2 can be ordered from HUD USER or downloaded in Microsoft Word format from http://www.huduser.org/datasets/ahs/ahsprev.html.

3. For the surveys beginning from **1997 onward**, you need the "new codebook," *Codebook for the American Housing Survey, Public Use File: 1997 and Later*, which can be downloaded in PDF format from http://www.huduser.org/datasets/ahs/ahsprev.html.

Q. What software do I need?

AHS datasets contain tens of thousands of records and almost two thousand variables. This is far too much data to fit into a spreadsheet. Most users access AHS data with a statistical analysis package. Neither HUD nor the Census Bureau endorses any specific commercial products for use with the AHS. Statistical packages common among our users include SAS, SPSS, and Stata. A few users employ standard database applications, such as Microsoft Access or Lotus Approach.

Q. How can the SAS datasets be transferred for use with other software?

One program that will do this is called Stat Transfer. There is a web site about it at http://www.stattransfer.com/.

Another is called DBMS/Copy. You can read more about it at http://www.dataflux.com/Product-Services/Products/dbms.asp

Mention of these programs does not constitute an endorsement by HUD or Census. We have not even tried them ourselves. We would appreciate any comments from AHS users who have used these products, or any other similar products.

Q. How can I use AHS datasets with Microsoft Access?

While we don't have a lot of experience with this, we suggest that you start with the ASCII version of the data files. The files for the newer (1997 and later) surveys are comma-delimited, and Access has a tool to import such files. However, you may encounter difficulties because there are so many variables (also called columns or fields) in the AHS data. Access itself can handle that number of variables, but the import tool chokes at 256 fields. One work-around is described at http://www.nber.org/data/access2excel.html . (Note that this method is not supported by either HUD or the Census Bureau. If you try it, you're on your own.) {3/18/2008}

Q. How do I convert the SAS files for use with SPSS?

The SPSS syntax command line to read the various datasets in the SAS transport file is:

get sas data="file name" dset (dataset name)

Where dataset names depend on the survey year, as shown in the table below:

1997	1998	1999	2001-2005	2007
houshld	houshld	houshld	newhouse	newhouse
person	person	person	person	person
jtw		jtw	jtw	jtw
homimp		homimp	homimp	homimp
mortg	mortg	mortg	mortg	mortg
owner	owner	owner	owner	owner
rmov	rmov	rmov	rmov	rmov
	ratiov	ratiov	ratiov	
toppuf	toppuf	toppuf		
weight	weight	weight		

Note that if you leave off the dataset name, the command will extract just the first dataset in the transport file, which will probably be houshld or newhouse.

AHS users have also reported that the data conversion program DBMS/COPY successfully converts AHS SAS files into SPSS format–including all value labels and missing value codes. The DBMS/COPY website is at http://www.dataflux.com/Product-Services/Products/dbms.asp. Note that this is *not* an endorsement by HUD or the Census Bureau. {6/6/2008}

Q How do I import the comma-delimited files into STATA?

This applies to the ASCII version of the datasets, for survey years 1997 and later. With a comma delimited file, the user should select File>Import>ACSII data created by a spreadsheet. This will generate a dialog box which prompts the user to select the file. At the bottom of this box, the Comma Delimited button should be selected. This should work for Stata versions 8 and 9. This is equivalent to the insheet command.

Q. How do I import the SAS transport files into STATA?

If you have Stata version 8 or later, you can convert the SAS transport files into Stata files. The command is "fdause" and then the path to the file, or you can choose File - Import - SAS XPT from the pull down menus. This is much easier than working with seven ASCII files. The other advantage is it keeps all the variable names and descriptions that come with the SAS download. {3/5/2008}

Q How do I read the data on the pre-1997 CD-ROMs?

The older microdata files are in fixed-column ASCII format. In order to turn them into datasets, you will need to specify the columns of each line that correspond to the AHS variables. You can find the record layouts for the older surveys (through 1993) in the Volume 1 codebook (available in paper only, from HUD USER or as a scanned PDF at

http://www.huduser.org/datasets/ahs/ahsprev.html). The record layouts for the 1995 and 1996 surveys are in the Volume 2 codebook, which can be downloaded from the HUD USER web site. Alternatively, most of the CDs have a record layout file in the document directory. These files go under different names, depending on the CD. The files actually give you information about the distribution of values for each variable, but you do not need all of that just to import the data. All you need to look at is the beginning of the lines, which gives the description, variable name, and starting column number. Since the variables extend until the next variable starts, you can see the column numbers you need to read. For example, here is an edited portion of one such file:

DESCRIPTION	VARIABLE	COLUMN
CONTROL	CONTRO	1
STRATUM NUMB	THIV70	13
1970 SMSA	SMSA	16
1980 SMSA	PMSA	20
SURVEY YEAR	YEAR	24
PANEL	IMONTH	26

This tells you that the variable CONTRO, which is the control number, begins with column 1. The next variable, THIV70, begins in column 13. Thus, CONTRO is in columns 1-12. Similarly, the THIV70 is in 13-15, SMSA is in 16-19, PMSA is in 20-23, and YEAR is in 24-25. IMONTH begins in column 26.

You may want to look at the library of user-written programs, which you can download from the HUD USER web site at http://www.huduser.org/datasets/ahs/ahsprev.html. As of this writing, this archive includes programs to convert the files for all the older surveys into SAS datasets, and to convert the metropolitan files from 1984 to 1996 into SPSS. We will update the archive as new contributions come in, and so it is worth checking if you need other years or formats. You may be able use one of the existing programs as a template to show you how to proceed. Most of the variables are the same. You will have to edit the column numbers to be consistent with the record layout files. It will save you some typing and maybe some head scratching. If you do write new conversion programs, I would very much like to have copies of your code to include in the library.

Q. What are the anomalies on the 1993-1994 Metro Survey CD-ROM?

- 1993: The 1993 data file on the CD-ROM has three sets of ten records that repeat. This is an error whose origin is unknown. Records 51-60, 61-70, and 71-80 are identical. You should delete all but one of these sets.

- 1994: The 1994 data on the CD-ROM comes in eight files, D2120A.DAT, D2120B.DAT, etc., through D2120H.DAT. Each of these files includes the data for a single metro area. There is one more file, D2120I.DAT, in the 1994 directory. This file is NOT part of the dataset. It has a completely different file layout and includes alphabetic as well as numeric characters. We do not know what this file is for, if anything.

Q. What is the "flat file," and what is the "file flattener program" used for?

Before 1997, AHS datasets were released as a single file. Each record of this file contained all the data for a single housing unit. For those entities (such as persons) which occurred more

than once in the same housing unit, this single file included one set of variables for each possible entity. Thus, there were fifteen race variables (RACE1-RACE15), one for each person in the housing unit. Since most housing units did not contain this many persons (and some contained none at all), many of these variables were filled out with missing values. This arrangement of data is referred to as the flat file.

Beginning in 1997, the AHS datasets were reorganized on a relational basis. There is, for example, a separate Person file, containing one record for each person in the survey. These records can be linked to the housing unit file by means of the CONTROL variable. There are similar files for recent mover groups, commuters, and home improvement projects. In addition, the Ratiov and mortgage files have only one record per housing unit, but they have records only for those units for which there is relevant data.

Because many long-term AHS users were used to using the flat file format, HUD released a file flattener program to convert the post-1997 set of files into a single flat file. This program has been updated for each survey since, but it is available only for SAS. In order to reduce the need for the file flattener, in 2001 we began adding the householder's characteristics to the housing unit file (now called newhouse). Thus, one can tabulate most housing characteristics by age, race, etc. of householder, using only one file.

Q. How do I weight the data using SAS?

In any SAS procedure step, you simply add the "weight' command and indicate the variable you want to use for weighting. For example, if you want to produce a frequency distribution by TENURE using the standard AHS weight variable (WEIGHT), you would write:

```
proc freq;

        tables TENURE;

        weight WEIGHT;

run;
```

Q. How do I weight the data using SPSS?

Under the "Data" menu, choose "Weight Cases..."; a dialog box appears. Select a numerical variable from the list in the dialog box; click the "Weight cases by" radio button; then click the "OK" button. A "Weight on" indicator will appear in the lower right corner of the SPSS window. Choose "Do not weight cases" to turn the weight off.

These instructions are based on SPSS 12, but they may apply to previous versions. {6/6/2008}

Analysis Questions

Q. How do you handle missing data? Do you impute all or some missing data?

Some variables have values for missing data. In the surveys beginning in 1997, there are separate values for refused, don't know, and blank. Other variables have missing values

replaced by imputed values. Each variable with imputed values has a corresponding “allocation variable” which indicates whether it has been edited or imputed. See the appropriate codebook for details.

Q. How do I identify the householder in the person records?

To identify the head of household or the householder, you need to use the REL variable. A REL value of 1 or 2 is the householder.

Note also that the flat version of the AHS data file, created by the file flattener program, organizes the data so that the householder is always the "first" person, the person whose characteristics would be identified with a 1, such as AGE1, SEX1, REL1, etc.

Finally, all of the householder’s person-record data are included in the Newhouse file, in variables with the prefix “HH” (such as HHAGE, HHSEX, etc.). Thus, if all you want is to filter or subdivide your data on the basis of the householder’s characteristics, you can do that using Newhouse alone, without having to link to Person. {6/6/2008}

Q. How can I tell if the respondent was (or was not) the reference person?

In 1997 and later surveys, to determine if the reference person and the respondent are the same:

- If DLINE1=PLINE and for that person REL=1 or REL=2, then the respondent is the household reference person.
- If DLINE1=PLINE and REL>2 then the respondent is not the household reference person.
- You can identify the relationship of the respondent based on the REL variable.
- If DLINE1=B (so no one living in the unit), then check RESPTYP, and that will report the type of respondent.

In surveys, before 1997, there is no RESPTYP. Instead, DLINE1 contains special codes if the respondent is not the reference person. This will occur only for vacant or URE interviews (ISTATUS not equal to 1). {3/5/2008}

Q. How can I calculate current equity in an owner-occupied unit?

The AHS does not ask respondents about their current equity. It is not possible to calculate more than a rough estimate because on the public use file the variables you would use are topcoded (see the topic on topcoding below). However, you can download a copy of the SAS “table specification” program the Census Bureau uses to produce publications from HUD USER. Simply go to the web page for the survey year of interest. In it, you will find a recode for something called OTPIN. This is outstanding principle. If you use a program like this to get outstanding principle from the public use file you will get a distribution that is in effect top coded because of the necessity of using variables that are topcoded.

If you take your calculated outstanding principle and subtract it from the value in the variable VALUE (value of the unit) you get an estimate of equity. However, VALUE is top coded on the public use file also.

This is the only way I know to get an equity estimate. However, my recommendation is to not use it. I really do not think that the estimate would be very good, especially if you are trying to get some measure of aggregate equity.

Q. How can I identify first-time buyers?

Use FRSTHO. There are three things you have to be careful about. First, the concept applies to only owner-occupied units. Thus, you must restrict yourself to records where STATUS='1' and TENURE='1'. Second, the name of the variable is misleading. FRSTHO contains the answer to the question, "Did you ever own a home before?" Thus, a "yes" answer indicates a *repeat* buyer, and a "no" answer indicates a *first time* buyer. The third thing to watch is that the question is *not asked* if the respondent indicates that the household used the sale of a previous home as a source of down payment. In this case, FRSTHO='B'. So, to identify a first-time buyer, you need to make sure FRSTHO='2.' Checking to see if FRSTHO ne '1' is not sufficient, since blanks would pass this test. To identify a repeat buyer, the best way is to make sure FRSTHO does *not* equal '2."

Q. What is the universe of the recent mover questions? People who have moved in the past 12 months or since the previous survey?

During the interview (and hence for the microdata), we get info on people moving in since the last interview (or last two years, in metro surveys). When we publish tables, the cutoff is the last 12 months. So, the answer is 'both:' 2 years in the dataset, but 12 months in the report.

Note that in the metro survey datasets, only people who moved within the past two years are flagged as recent movers—not all people who moved since the previous survey. (The time between surveys of the same metro area is longer than two years.) {3/18/2008}

Q. What are the time periods for the equipment breakdown variables?

For water interruptions (IFDRY, etc) and blown fuses (IFBLOW, etc), it is last 3 months or length of residence, whichever is shorter. The water leak variables refer to the last 12 months or length of residence, whichever is shorter.

Q. What is the income limits file?

For programmatic purposes, HUD estimates certain income-related values for each metropolitan area and non-metropolitan county in the United States. These values include area median income, low income, and very low income. These estimates are used in determining eligibility for housing assistance programs, such as Section 8 vouchers. HUD also estimates the Fair Market Rent for each of these areas, and this is used as a payment standard in rental subsidy programs. Many assistance programs also refer to the official poverty income standard, which is published each year by the Department of Health and Human Services.

Because these values have many uses in housing research, HUD produces a dataset, called the "Income Limits File," which includes estimates for each record in the national AHS dataset. This file can be matched to the AHS microdata in order to classify household incomes relative to area median incomes, or rents relative to FMRs. The details of how these estimates are prepared are beyond the scope of this FAQ. The income limit files for recent survey years are available for download from the HUD USER web site. Note that the income limits files are *not*

part of the American Housing Survey per se. They are auxiliary files prepared by HUD using the AHS public use file and HUD administrative data.

Beginning in 2003, the AHS newhouse file contains the income limits. These limits are added to the public use data by the Census Bureau, using HUD administrative data. Note, however, that income limits for units outside identified metropolitan areas are weighted averages based on heating degree days, region, and metropolitan status. This is done in order to protect confidentiality.

Q. Why does the AHS show many fewer efficiency apartments than the 2000 census?

Generally speaking data from Census 2000 and data from the AHS should be compared only with extreme caution. Many items in the two statistical efforts show statistically different results. These differences may be the result of a variety of data collection and processing differences between the AHS and Census 2000 such as the methods of data collection (mailed questionnaires in the census, personal and telephone interviews in the AHS), differences in processing procedures and sample designs, the sampling variability associated with the sample data from both the AHS and the census, and the nonsampling errors associated with the survey estimates and the census data.

There are a variety of possibilities as to what may be causing these differences. The difficulty is, of course, the amount of time and money it would take to investigate and verify any of the possibilities. One possibility is for the case where someone is renting a room or two in the house of another person. If in a large number of these cases in the census these people are counted as living in a separate housing unit but in the AHS they are counted as being part of the household from whom they are renting and living in a room of that household's unit, than the AHS would have much smaller counts of one room units and units with no bedroom.

In addition, there was change in the AHS method of data collection that has significantly affected the AHS counts of rooms and bedrooms. In 1995 and earlier in the AHS the counts of one room units and units with no bedrooms were at levels roughly twice that observed in the AHS from 1997 and beyond. In 1997 the AHS changed from collecting data using a paper questionnaire to collecting data uses questions programmed into a laptop computer. This did appear to have a significant impact on the data collected for rooms and bedrooms. We have yet to be able to come up with the reason why. {2/29/2008}

Q. What are the weight variables for? Why are there more than one (PWT, Weight, WGT90GEO, WGT00_90)?

The “S” in AHS stands for Survey. Unlike the decennial census, the AHS does not enumerate every housing unit in the country. Instead, a representative sample is drawn, and this sample can be used to estimate the number and characteristics of housing units the nation. In effect, each AHS unit represents a larger or smaller number of housing units in the nation. In order to get a proper count of units of a certain type, you need to count the number represented by each sample unit.

The *pure weight* (PWT) is the simplest representation of this concept. It is the inverse of the probability of selection. Thus, if the sample unit had a 1/2500 probability of being selected for

the sample, then it represents 2500 housing units, and PWT=2500. However, PWT does not account for certain difficulties in conducting surveys, particularly nonresponse. If a household refuses to participate in the survey (or can't be found, etc.), it will fail to represent those housing units. In addition, the Census Bureau uses a system of projecting the total number of housing units in the nation which is believed to be superior to the total that would be computed from AHS data alone. The *final weight* (WEIGHT) adjusts the pure weight to account for bias introduced by nonresponse. It also is adjusted to agree with the control totals taken from Census Bureau projections.

The AHS is a longitudinal program, and so it is important that its weighting system is consistent across time. However, some aspects of housing change over time and are difficult to synchronize with the longitudinal dataset. One of these is the definition of metropolitan areas, which is set by the Office of Management and Budget. The AHS uses 1980 metropolitan area definitions, which were current when the current sample was first drawn for the 1985 national survey. Since then, metropolitan area definitions have changed several times. WEIGHT is kept consistent with the 1980 definitions. However, the Census Bureau uses 1990 definitions in the tabulations for the published reports. The WGT90GEO variable gives users access to the weights used in the report. At the national and regional levels, WEIGHT and WGT90GEO yield the same results, but at the metropolitan level they do not.

The foundation of the control totals mentioned above in the discussion of WEIGHT is the decennial census. When the data from a new census becomes available, these control totals change, and WEIGHT is updated for survey datasets released after that time. The first survey to make use of 2000 census-based control totals was the 2003 AHS. When the 2003 file was released, the Census Bureau also released a special set of weights for the 2001 AHS, based on 2000 census controls, rather than the original 1990 census controls. This is the WGT00_90 variable, which is available as separate download from HUD USER (see http://www.huduser.org/datasets/ahs/ahsdata01.html). The "90" in the variable name refers to the fact that it is based on 1990 metropolitan area definitions.

So which weight should you use?

- Use WEIGHT unless you have a specific reason to use a different weight. It is the most robust weight variable and the one most consistent across time.
- USE PWT for longitudinal analysis, when you are trying to develop a consistent set of weights to apply to more than one AHS dataset. (See the weighting discussion for the Components of Inventory Change project at http://www.huduser.org/datasets/cinch.html for a more technical discussion of how to do this.) Note that this is a very specialized application which is seldom necessary. If you are simply comparing AHS totals across time, use WEIGHT, not PWT.
- Use WGT90GEO if:
    - The distribution of housing units across metropolitan areas or between metropolitan and non-metropolitan areas is of particular importance in your work, or
    - Matching your tabulations to AHS reports is important (but see elsewhere in this document for a discussion of why this may not be possible).
- Use WGT00_90 if you are comparing 2001 tabulations with later surveys (in which case you should use WGT90GEO for those later tabulations). {3/18/2008}

Q. What are topcoding and bottomcoding? How can I tell if a value has been topcoded or bottomcoded? What rules does the AHS use for this?

The Census Bureau and HUD are dedicated to protecting the confidentiality of survey respondents. Thus, the microdata files contain no personally identifiable information, such as names or addresses. However, respondents could still be identified if they had extreme characteristics, such as very high incomes, very large houses, etc. To prevent this from happening, the Census Bureau edits such extreme values and substitutes a "topcode" (for large values) or "bottomcode" (for small values) in the place of the actual characteristics of the housing unit. In general, such recodes do not affect means or medians. They do affect variances. Users using multivariate statistical procedures, such as regression, should use their judgment about whether to include such records in their working data.

Very few AHS variables are bottomcoded. Only the nonwage income variables that can include business losses are given this treatment, to avoid violating the confidentiality of households that experience large negative incomes.

A number of variables are topcoded. Most follow the practice of masking the top three percent of values, replacing them with the mean of the values so masked. To give a very simple example, if income values over $200,000 were topcoded, and there were only three such households, with incomes of $200,001, $500,000, and $1,000,000, the income value for all three would be $566,667. The rules for topcoding can be more complicated than this, depending on the variable. Also, some topcoding rules are themselves kept confidential by the Census Bureau. For a description of the publicly-revealed procedures used in the AHS, see the file, "Confidentiality documentation for public use file data users" in the Technical Supplements section at http://www.huduser.org/datasets/ahs/ahsprev.html .

For specific numerical information about the topcodes used in a recent survey, see the HUD USER web page for that survey. Beginning in 2003, HUD has posted a spreadsheet that shows the maximum value, the number of records coded with the maximum value, and the next-lower value for each variable subject to topcoding. This will show you where the topcoding cutoff lies, how many records are topcoded, and what the substituted value is for the topcoded cases. Corresponding information is provided for bottomcoded variables. {4/7/2008}

Survey Changes

Q. How can I tell which surveys years use a certain variable?

Go to the HUD USER web site, http://www.huduser.org/datasets/ahs/ahsprev.html, and download the latest "AHS Variable Name Index." You'll find it in the "Technical Supplements" section. This index is a comma-delimited file that you can import into most spreadsheet, database, or statistical programs. It cross-tabulates all the variable names ever used in the AHS PUFs with the survey years. {3/5/2008}

Q. What changes were made in the income questions in 2007?

In the 2005 survey, family members were individually asked the collective amount of interest, dividend and rental income. In 2007, the family members were asked about each of the three

income types separately. Also in 2007, family members were asked to report alimony and child support separately from their other sources of income. {6/6/2008}

Q. What changes were made in the income questions in 2005?

The income questions were revised considerably in 2005. Before that survey, we collected wage income from all family members, a list of income sources received by *any* family member, and total income from nonfamily members of the household. Beginning in 2005, we began collecting the source and amount of income from each family member. Nonfamily members are asked about wage, self-employment, and other income separately. In addition, the categories of nonwage income were regrouped to more closely follow the questions used in the American Community Survey. The questions on Supplemental Security Income and disability income were split off from the welfare income question, so that disabled persons could be identified more easily. See the document "User Note on New 2005 American Housing Survey Income Questions" on the HUD USER web site (http://www.huduser.org/datasets/ahs/ahsdata05.html) for details. {4/3/2008}

Q. What changes were made in the manufactured housing sample in 2005?

A new sample of manufactured/mobile homes was selected from the 2000 census in an attempt to improve coverage of manufactured/mobile homes built between 1980 and 2000. One-half of this sample was included in the 2005 interviewing and, as a result, one-half of the 1980-based manufactured/mobile homes sample was not included. These excluded units are included on the 2005 PUF and assigned a NOINT code = 38(unit eliminated in subsampling).

Q. Why does the survey show that 66 percent of Hispanic householders were white in 2001, but 92 percent in 2003?

Two or three things are going on with the Hispanic counts. First, in accordance with the OMB directives, the order of the Hispanic origin and Race questions was reversed in 2003 (placing Hispanic origin before Race). Second, we went to the 1-person-reporting-multiple-race concept. Third (and most important), the "other" race category has been eliminated. Starting with 2003, we began using the complete set of person edits used by the Current Population Survey . These do not allow "other" entries in RACE; rather they allocate one of the five specified response categories for all "other" persons. The AHS has added a sixth race category but only to cover the persons who reported more than one race. In the past, the "other" race category contained write-ins (such as "human being," "brown," etc.).

Previously, many Hispanic householders (about 30 percent of the total in 2001) stated that they were "other" race--and over three-fourths of the "other" race householders (78 percent) were Hispanic. In 2003, although persons may say they are an "other" race, the edits will not let this stand. So while over 7,000 persons (6,100 of whom were Hispanic) said they were "other" race, once the edits are complete, there are none. The CPS edits assign a race of "white alone" to most of the Hispanics who claimed to be "other" race--92 percent of them. However this is in line with what Hispanics say who actually report one (or more) of the specified races—93 percent say "white alone." {3/5/2008}

Thus, this edit change (and probably the question changes as well) result in many more Hispanics being white without a proportional increase in the number of Hispanic persons.

Q. Why do the control numbers in the 2002 Metro survey have only eleven digits, when the numbers in the corresponding previous surveys have twelve?

This is a mistake. In the 1980s, the National control became 12 digits in order to show the code for the supplemental samples. Since metro did not have the subsamples, the control codes were given an extra trailing zero for the sake of consistency. For unknown reasons, the extra zero was left off CONTROL in the 2002 survey. So, if you want to link 2002 records with previous surveys, either delete the trailing zero from the previous ones or add a zero to 2002 values. {3/25/2008}

Q. What changes were made to the mortgage questions in 2001?

1. The questions on reverse mortgages are moved to the end of the module and asked only if the respondent reports no other type of mortgage.

2. First the respondent is asked, “Not counting home equity loans, is there a mortgage or any loans on this house?"

3. If they say yes to the above question we asked, "How many mortgages or loans are there now on this house?"

4. Next, we asked (regardless of the answer to 2 or 3 above),"Do you have a lump sum home equity loan, that is, a home equity loan that is paid out in a one-time lump-sum amount and that must be repaid over a period of time?"

5. If they say yes to 4 above, we ask, "How many lump sum home equity loans do you have?"

6. Regardless of the answers to 2 thru 5 above we ask, "Do you have a home equity line of credit, that is, a home equity loan that allows you to borrow against it as often as you wish up to a fixed limit?"

7. If they say yes to 6 above, we ask, how many home equity lines of credit do you have?"

In the remaining questions on the module home equity lump sum loans are treated like regular mortgages except for the fact that regular mortgages are treated as primary if the respondent reports having both regular and lump sum loans. The line of credit loans are treated as a special type of loan, and we collect data on them, but it is in less detail than the data collected for regular and lump sum loans.

Q. How do the mortgage variables in 1999 compare with those of 2001?

Trying to match 1999 mortgage data and 2001 mortgage data is not always possible.

MG and REGMOR collect the same information in 1999 and 2001, the existence and number of *regular* mortgages (although REGMOR was not edited in 1999 and is of limited use in that year; see discussion under MCNT below). In 2001 lump-sum home equity loans were collected with the variables HELUMP and HELUMN. HELUMP and HELUMN did not exist in 1999 and do not have an equivalence in 1999. In 2001 home equity line of credit loans were collected with the

variables HELC and HELCN. HELC and HELCN did not exist in and do not have an equivalence in 1999.

In 1999 home equity loan data were collected with the following variables which do not exist in 2001. HEL asked if they had a home equity loan (includes both lump sum and lines of credit) and HENUM asks or the number of home equity loans. Also in 1999 HETYP1, HETYP2, and HETYP3 asked if the first, second and third (if they existed) home equity loans were a lump sum or a line of credit.

In 2001 lump sum home equity loans are treated as regular mortgages for the purpose of collecting detail data. In 1999 lump sum home equity loans were treated as home equity loans for the purpose of collecting detailed data. See the discussion under MCNT below.

MRTYP1 is a new variable in 2001. In 2001 lump sum home equity loans are treated as regular mortgages in the collection of detailed data. Priority is given to the regular mortgages. MRTYP1 simply indicated if the first mortgage for which detailed data was collected was a regular mortgage or a lump sum home equity loan. MRTYP2 would give you the same information for the second mortgage for which detailed data was collected. There are not such variables in 1999, and they would not be relevant in that year, as home equity lump sum loans were treated as home equity loans, not as regular mortgages in 1999 for the purpose of collecting detailed characteristics data.

MCNT is created by the edits. It represents the count of mortgages for which we collected detailed mortgage data. In 1999 and earlier we collected data only for regular mortgages, and so in 1999 if there is a numeric value in MCNT, MG will equal one. It is also worth noting that in 1999 and earlier, we did not edit REGMOR, and so REGMOR is sometimes in disagreement with MCNT in 1999. REGMOR in 1999 and earlier is not a valuable variable for most tabulations.

In 2001 we decided to treat home-equity lump sum mortgages the same as regular mortgages for the purpose of collecting detailed mortgage data. Home-equity lump sum mortgages can be identified by a '1' in helump (yes they have one) and a 1-10 in HELUMN (count of the number of lump sums). IN 2001, MCNT equals the sum of REGMOR + HELUMN. REGMOR is an edited variable in 2001 and is usable to determine the number of regular mortgages. In 2001 REGMOR is never larger than MCNT (although it could be only if MCNT were a 4 and REGMOR = a 5, 6 or 7), but it is smaller and in some cases blank when MCNT has a numeric entry. For example, if you cross MCNT and MG in 2001 you find that there are 648 cases where MCNT is a '1' but MG is a '2' and REGMOR is a 'B'. This is because HELUMN is a '1'.

MG is the yes/no answer for the existence of *regular mortgages*. In 1999 we collected detailed data for regular mortgages only. In 2001 we collected the detailed data for regular mortgages and home equity lump-sum mortgages. REGMOR is the count of regular mortgages. Unedited in 1999, it is of little use in that year and in 1997. Edited in 2001, it provides the correct count of 2001 regular mortgages (MCNT did this is 1999---MCNT counts the total of regular and home equity lump sums in 2001).

HELUMP is a new variable in 2001. It is the yes/no answer for the existence of lump-sum home-equity loans.

HELUMN is a new variable in 2001. It is the count of lump-sum home-equity loans.

Q. What was the reason for the August 2002 revision of the 2001 dataset?

Based on the situation reported by a data user, we re-examined the way that the alterations and remodeling data were processed. The problem was that the summary recode (RAN) for the number of jobs completed by a household sometimes did not match the number of individual job records for the same household.

This occurred because slightly different criteria were used to tally a job in the counter -- that is, the variable, RAN -- than were used to output a job record (which would include the variables RAS, RAD and RAH). The differences were limited to a few job types -- those related to carpeting, other inside and other outside jobs, and disaster-related work. Sometimes more job records were generated than tallied in RAN and sometimes the reverse occurred. However, the number of inconsistencies was not large.

The programs have been rewritten to make the value in RAN agree with the number of job records. This change will affect RAN (total number of jobs done) and RAC (total amount spent). In addition, the number of RAS codes of 1 (disaster loss), 51 (carpeting added over subflooring), 52 (carpeting added over finished flooring), 64 (other major inside improvements) and 70 (other major outside improvements) may change along with the related variables of RAD (cost of individual job) and RAH (who did the work for the individual job). {2/5/2008}

Q. What was the reason for the November 2002 revision of the 1999 dataset?

The number of Alterations and Remodeling/Repairs/Replacement records changed. We had an overall increase of 268. They breakdown to 144 added for carpeting installed/replaced over subflooring, 135 added for carpeting installed/replaced over finished floor, 9 lost from missed inside jobs and 2 lost from missed outside jobs. The missed inside and outside jobs were jobs that had only an N in the field which means there are no other missed jobs. {2/5/2008}

Q. Why are the frequencies for PAPHLT and LDMAYB so much larger in 1999 than they are in 1997?

PAPHLT and LDMAYB both concern whether a household was notified that the housing unit may have lead paint before they moved in. The 1999 automated instrument had a programming error in it. The universe for these items (PAPHLT and LDMAYB) was supposed to be households (in old units) where the respondent moved to the unit in September of the previous year or later. In 1997, this was correct. However in 1999, the order of a couple of lines of coding changed, and instead of asking only for recently moved in households, the question was asked of all households in old units.

So, the 1999 frequencies are too big. You can obtain the correct universe by checking the move month and year of the respondent and selecting cases where MOVE = 1999 or (MOVE = 1998 and MOVM >= 9). {3/12/2008}

Q. What was the data error in the 1998 Metropolitan Survey of Baltimore?

The 1998 Baltimore Central City estimates of vacant units (especially vacant for rent and other vacant) are larger than anticipated, and the estimates of renter-occupied units are smaller than

anticipated, because of the misclassification of such units during data collection. Although this misclassification occurred in the central city only, it also affects estimates for the metropolitan area as a whole.

Units that should have been classified as "renter occupied" were coded as either "vacant for rent" or "other vacant," with most probably being classified as "vacant for rent." Because the problem occurred during data collection, we cannot correct it, as would be possible if this were a processing error.

The actual size of the misclassification is impossible to measure. We believe it to be large because the 1998 AHS rental vacancy rate for the Baltimore Central City was 29.3 percent compared with a 1998 Housing Vacancy Survey (HVS) rate of 3.8 percent and a Census 2000 rate of 7.6 percent.

The collection of the characteristics data for both occupied and vacant units was most likely done correctly. The estimated levels of each characteristic are believed to be too high for vacant units (particularly in the central city) and too low for occupied units. The error is not in the collection of the characteristics data, but only in the classification of the unit as occupied or vacant.

Although we do not know the correct estimate, we believe the relative underestimate of renter-occupied units in the central city of Baltimore is small. All units classified as "renter occupied" were probably classified correctly. As a result, most analytical conclusions made using renter occupied or total occupied data for the Baltimore metropolitan area and/or the central city of Baltimore should be reasonably sound. The owner occupied data were not affected.

Although we do not know the correct estimate, the relative overestimate of vacant-for-rent and other-vacant units is probably large. A significant number of these vacant units were actually renter occupied. As vacant interviews were conducted at these units and characteristics data were collected, the characteristics data collected are reasonably correct. However, the resulting estimated levels of any characteristic are probably too large and should not be used. Any use of data for vacant units in the 1998 AHS for the Baltimore metropolitan area, especially the central city of Baltimore, should be made with caution. If data for occupied units and vacant units are added together, however, the resulting analyses are presumably reasonable.

Q. Why don’t the Control numbers in the 1995, 1996, and 1998 Metro Surveys match previous years?

These surveys were new samples. They are not longitudinal with respect to previous metro surveys.

Q. How did housing adequacy (ZADEQ) change in the 1997 redesign?

Severe upkeep problem is a recode of six data items: outside water leaks, inside water leaks, holes in floors, cracks in walls, peeling paint and signs of rats. For a unit to qualify as having a severe upkeep problem, five of the six conditions have to be present. This is, therefore, not a simple comparison.

There were major changes in the question wording for all of the six feeder questions.

- The inside and outside water leaks and signs-of-rats questions each were split into subquestions. This was to limit the number of concepts that respondent had to process at one time. Thus, the approach is to find out if the problem has ever existed at the unit, and then ask if the problem has happened recently.

- For the cracks, holes, and paint questions, the 1997 versions of these items have definitions as part of the question. Thus, a hole must be “big enough to catch their foot on,” and a crack must be “wider than the edge of a dime.” The peeling paint uses the 1995 definition of extent, but the question is split into two parts.

- Perhaps as a result, the counts of the upkeep components have changed:

Item	Frequency 1997	Frequency 1995
Outside water leaks	13,181	15,999
Inside water leaks	9,647	11,411
Holes in floors	1,611	1,074
Cracks in walls	6,936	4,527
Peeling paint	3,625	3,673
Signs of rats	923	1,332

- There may be some significance to the fact that the questions where the time reference has been emphasized have all decreased in magnitude. The questions where definitions were added have all increased (or held stable) in reporting.

The data collection and processing do not seem to be the villains in this change. The bridge had to merge data for a couple of items to produce the eventual out-variables for the different types of water leaks but this operation looks all right. Cracks, holes, peeling paint and signs of rats were allocated when missing but the number of cases involved was less than 2 percent. In addition, with one exception, the ratio of allocated problems to allocated non-problems was slightly higher than the respondent-reported ratio of problems to non-problems. The exception was signs of rats. For that item, the household was 10 times more likely to be imputed rats than to report them (6.7 percent versus 0.6 percent). Still the number of 'ratty' cases involved was very small.

There was some error in the ICF tally for severe upkeep problems. I believe the count should be 120,400 while the ICF table showed 90,000. My breakout was (in thousands) -

- 21.1 with LEAK, ILEAK, HOLES, CRACKS and BIGP (RATS is missing)
- 29.9 with LEAK, ILEAK, HOLES, CRACKS and BIGP (RATS is blank)
- 20.2 with LEAK, ILEAK, HOLES, CRACKS, BIGP and RATS
- 7.4 with LEAK, ILEAK, HOLES, CRACKS, and RATS
- 12.9 with LEAK, ILEAK, HOLES, BIGP and RATS
- 7.7 with LEAK, ILEAK, CRACKS, BIGP and RATS
- 11.8 with LEAK, HOLES, CRACKS, BIGP and RATS
- 9.4 with ILEAK, HOLES, CRACKS, BIGP and RATS

This does not bring the total up to the previous years' count, but it is closer. In the long run, the main source of the change seems to be the new questions, not the processing.

Another change is that vacant and URE units are all coded 'B' beginning in 1997. Many of the items that go into ZADEQ were observation item before 1997. From 1997 on they are asked of the respondent, and the information is no longer obtained for vacant and URE units.

Report Questions

Q. Why doesn't my tabulation of [something] match the publication?

One reason may be topcoding. The public use file has a number of topcoded variables. The publications are all done from the Census Bureau's internal files. For more complicated tabulations, you might want to look at the table recodes file, a SAS program which shows how the Census Bureau recodes variables for tabulation. The 1999 version is available for download from HUD USER at http://www.huduser.org/datasets/ahs/1999table_recoded.txt.

One specific example is units in structure. Units in Structure tabulations in the publication cannot be duplicated using the public use file (PUF) even when the 1990 geography based weights are used because the topcoding for the variable NUNITS (number of units in structure) is done at a very detailed geographic level. As a result there are areas of the country where NUNITS on the national file are actually topcoded at the 2 or more unit level. Therefore no tabulation for multiunit structures from the PUF will match the publication.

Another reason may be weighting. Beginning in 2001, the AHS reports uses weights based on the 1990 metropolitan area definitions. The WEIGHT variable in the dataset uses 1980 metropolitan area definitions, to be consistent with previous years. While both sets of weights should give the same national totals, there may be slight differences for variables that are affected by the differences in metropolitan classification between 1980 and 1990. The variable WGT90GEO contains the weights using 1990 metropolitan geography. {2/5/2008}

Q. Why don't the sample sizes in the national public use files and the reports match exactly?

There are a very small number of cases (fewer than 100) with such unusual geography that we cannot include them on the public use file without compromising confidentiality. And that's all we can say about it.

Q. Why don't PUF tabulations of the "big six" metro areas match their reports?

In 1995, 1999, and 2003, the metropolitan surveys of the six largest metropolitan areas (Chicago, Detroit, Los Angeles, New York, Northern New Jersey, and Philadelphia) were conducted as supplementary samples of the national survey. Thus, the microdata for these metro areas are part of the national files for these years. The weights on the public use file (PUF) are adjusted to national control totals. The Census Bureau reweights the data using local control totals for the tabulations in the metro reports. Thus, you will not be able to match the metro publications using the PUF.

The SMSA codes included in each of the "big 6" metro areas are:

- Chicago = 1600, 0620, 3960, 3965, 9991
- Detroit = 2160
- Los Angeles = 4480
- New York = 5600, 5380, 5660, 9992
- Northern New Jersey = 5640, 0875, 3640, 5015, 5190, 8480, 9993
- Philadelphia = 6160

Q. What is the rationale behind using the incomes of families and primary individuals as opposed to household income in calculating monthly housing costs as percent of current income?

It is a trade off. Neither way is perfect. However, currently we are doing what has been done historically. If you were to use monthly housing costs as a percent of household income the argument is that you would be including the income of a significant number of people who are not directly contributing to housing expenses. An example of this is a lodger who pays the householder rent (which is recorded as part of the householder's income). The argument in the other direction is that by using monthly housing costs as a percent the income of families and primary individuals you are losing the income of a significant number of people who do contribute to housing expenses. An example is a roommate who does pay part of the rent or utility costs.

Q. Why does the "Year Round" column of the report not match a tabulation of YRRND from the PUF?

Despite the similarity of their names, the report column and the PUF variable are based on different concepts. In the report, "Seasonal Use" is based on how the unit is *used*, not how it is equipped. Essentially, seasonal units are those for which STATUS = 2 or 3 and VACANCY = 8. Year-round units are all the rest. In the PUF, YRRND is determined by the unit's physical equipment—particularly whether it has heating equipment. Even if a unit is not suitable for year-round use, it may be used that way, particularly in warm parts of the country. Conversely, a unit may be suitable for year-round use but only used seasonally, as in a well-equipped vacation home in Maine. {3/12/2008}

Q. Why are vacancy rates calculated from the microdata differently from the report?

The publication and microdata treat UREs differently (mostly for historical reason). First, URE units (STATUS = 2) are simply URE vacants in the publication. We do *not* consider their vacancy status in any of the tabulations. This is consistent with what is done in the Housing Vacancy Survey (HVS). In the microdata, we have vacancy status for UREs. Second, the variable YRRND is not relevant. It has to do with the suitability of the unit for year-round use, not the unit's actual status. That is, a unit may be classified as year-round even though it is not suitable for year round use.

What we are actually doing in the report is:

> (STATUS = 3 and VACANCY = 1-2) /
> ((STATUS = 3 and (VACANCY = 1-2 or VACANCY= 4)) and (STATUS = 1 and TENURE = 2-3))

Or in English:

Vacant for Rent (STATUS = 3 and VACANCY = 1-2)
DIVIDED BY
THE SUM OF
1) Vacant for Rent (STATUS = 3 and VACANCY = 1-2)
2) Rented not yet occupied (STATUS = 3 and VACANCY = 4)
3) Renter Occupied (STATUS = 1 and TENURE = 2-3

The sum of 1+2+3 is known as the rental inventory in both HVS and in the AHS publications.

In 1999, we have:

- Vacant for Rent = 2,718.850
- Renter not yet occupied = 291,730
- Renter Occupied = 34,007,000

This yields a rental vacancy rate of 7.34 which is consistent with the 7.3 percent in the publication and in accordance with the definition in appendix A:

2718850/ (2718850+291730+34007000) = 7.34 percent

If you exclude the 291,730 from calculation, you get a vacancy rate of 7.40 (higher than what is in the publication)

Q. Why does the "with 2 or more living rooms, or recreation rooms, etc." value in Table 1A-6 differ from the same row in Table 2-7, in the 1997-2003 reports?

An error was made in the table specifications from 1997 to 2003. The line "With 2 or more living rooms or recreation rooms, etc." was intended to include living rooms (LIVING), recreation rooms (RECRM), dens (DENS), and family rooms (FAMRM). In the 1997 through 2003 AHS total inventory tables (1A-6, 1B-6, 1C-6, and 1D-6) for the item Selected Amenities the line "With 2 or more living rooms or recreation rooms, etc." does NOT include family rooms. What you have in these tables for these years are a sum of living rooms (LIVING), recreation rooms (RECRM), and dens (DENS).

This error was not made in the occupied chapters (tables 2-7, 3-7, 4-7, 5-7, 6-7, and 7-7). These data are correct in the years 1997 through 2003 in that the data are tallied as intended.

The error was corrected for the 2005 AHS publication. In 2005 data in the total inventory tables are tallied as intended and agree with the occupied chapters. {3/25/2008}

Coding Questions

Q. What are the differences among B, D, R, '.', and just blank?

The SAS system allows for different kinds of missing values. In the AHS data, we use this capability to indicate the reason why a value is missing. The easy ones to explain are B, D, and R:

- B: Not applicable. This data item was never collected for this case. A simple example is that rent is not collected for owner-occupied units. Note, however, that the AHS instrument has skip patterns that do not ask certain questions in less obvious situations. Pay attention to the “out of universe conditions” listed in the codebook to understand when a B code is appropriate.
- D: Don’t know. The respondent was asked the question but said he or she didn’t know the answer.
- R: Refused. The respondent was asked the question but refused to give the answer.

Note that the distinction between D and R is sometimes ambiguous, and to some extent the coding is up to the field representative (FR).

A blank or a SAS missing, (a blank in a character variable or a . in a numeric variable) means not reported, except where a “mark all that apply” variable is involved (an explanation of this type of variable is below). There are two possible ways to get a not reported. First, the specific item accepts a non-response meaning the FR can press ENTER to proceed without having to enter an answer. Second, the interview was cut short but the respondent was in universe for a question he/she never received. For example, the respondent had to leave three quarters through the interview to pick-up her son. The items the respondent was in-universe to be asked will be set to blank unless set or imputed in the edit.

The AHS instrument includes some “mark all that apply” questions in which the FR reads a list of responses and codes an “X” if the response is applicable, leaving the result blank if not. For those questions, a blank code essentially means “no.”

Some blank results are added by the editing process. For type “C” noninterviews (permanent removals from the housing stock) may variables are coded blank that could arguably be coded B, as they don’t apply to no-longer existent structures. However, such inconsistencies are usually easy to spot if one pays attention to the value of STATUS (STATUS=’4’ for noninterview cases).

All of the SAS missing value codes are translated to negative numbers in the ASCII version of the dataset. See the codebook section on missing values for details.

Q. Why are some categorical variables numeric, while most are character?

During the 1997 AHS redesign process, we decided to treat any variable that had two or more digits as numeric. That way when a program does a comparison to the variable for the value '1' for example, you can just look for a '1'. When you deal with two or more digits, you can get each of the following which could also mean '1' - ' 1', '01', '1 ' . In the last example, one can easily argue that it isn't a ‘1’; it's a two digit number between 10 and 19 where the second digit was missed. The possibilities when you get to three digits are worse than this.

Note that this answer applies to the 1997 and later surveys. Before 1997, all of the variables in the dataset, except for CONTROL, were numeric. The single-digit categorical variables were converted to character in the 1997 redesign in order to make the computer files smaller.
{3/5/2008}

Q. Why don't I see topcoded values of 99998 (or similar)?

For many numeric variables, the codebook shows the highest value as all nines, except for the last digit, which is 8. For example, the highest value for UNITSF (square footage) is shown as "99998," with the label "99,998 square feet or more." While this value is the largest this variable could ever take, the Census Bureau's topcoding system will usually preclude your ever seeing it. See the notes section of each codebook entry for the topcoding rule that applies. For example, the UNITSF entry is "Topcoded at the 97th percentile." In addition, for recent surveys you will find a spreadsheet on the appropriate HUD USER web page that shows empirical topcoding information, including: the highest value found in the file; the number of cases with this value; and the second-highest value found in the file. Thus, you can see the topcoded value, the number of topcoded cases, and the highest non-topcoded value for that variable in that year. {2/5/2008}

Q. What do 8 and 9 codes mean in pre-1997 survey data?

In 1985 and earlier years 8 is always 'not reported' and 9 is 'out of universe.' The same goes for 98 and 99, 998 and 999, etc., for variables with more digits than one.

Q. The codebook lists out-of-universe conditions for variables, but some of the variables used in them are not listed in the codebook. What do these mean?

These are internal Census variables that are not part of the public use file. Here is what they mean:

- GQINST -- defines units as being in group quarters or not, and whether the group quarters are institutional (jails) or non-institutional (dorms) units
- FPHEQP -- determines if a fireplace is considered to be heating equipment or not
- HHMEM -- identifies if a current occupant is a household member or not
- INCSAM -- identifies whether a serial number is in sample for the first time, or is a returning case
- OWNLOT1 -- determines if mobile home occupants own the land where the unit is sited
- OWNLOT2 -- determines if a vacant or URE-occupied mobile home is on owned or rented land
- PEELRM -- determines which room has the most peeling paint (in the lead paint module)
- PHAFLG -- identifies units that are part of a public housing authority (this is not actually used)
- REPLHH -- identifies replacement households (used to create the SAMEHH variable)
- RMOVE -- This appears to be typo for RMOV, the recent mover group (which is on the PUF). It will be corrected the next time the codebook is updated.
- RMOVM -- month of move for recent movers
- ROOM -- variable for room heaters as secondary equipment (it is split into FLIN and FLOT)
- SPOUS -- line number of spouse
- SPOUS_FLG -- identifies if spouse present in household
- SURVYEAR -- survey year
- TOTINC -- recode at time of interview for total family income (uses unedited data) {3/12/2008}

Q. How is AMTX coded?

AMTX is described on page 8 of the Volume 3 codebook: "Property tax per year. Truncate to the next lower $50, and then add $25. If over $1000, truncate to next lower $100, then add $50." This is *incorrect*.

The actual code is:

```
if amtx >= 1 then
do;
  amtx = amtx - 50;
  amtx = round(amtx,100);
  amtx+50;
end;
```

Thus, it is truncated to the next lower $50, rounded to the nearest $100, and then $50 is added.

Q. What is the universe for ACCESSC and ACCESSB?

> "I notice that the variable ACCESSC, which inquires whether an entry system is necessary to enter the community, is flagged out of universe for 95 percent records. What is the screener being used for this question? ACCESSB (entry to building) similarly has a high share of out of universe. NORC (Majority of neighbors 55+) and AGERES (Age restricted development) have relatively high shares of out of universe, but I infer these are only asked when there is one person age 55 or older in the household."

ACCESSC is asked only where GATED = yes, don't know or refused; ACCESSB is asked for multiunit buildings regardless of the answer to GATED (Walls/fences surrounding community). You are correct about the restrictions on NORC and AGERES.

Q. What is the relationship among BURNER, COOK, AND OVEN?

These variables are included in the survey in order to determine whether a housing unit has complete kitchen equipment (summarized in the variable KITCHE). If a unit has a cookstove with range and oven (COOK='1'), then there is no need to ask about burners or oven separately. Hence, both BURNER and OVEN will be set to B (not applicable). Note also that after the 1997 redesign, OVEN refers to microwave oven only. {6/6/2008}

Q. Is there an error in the way BUYG is coded?

In 1999, there was an error, which miscoded some responses for BUYG. In some cases, BUYG was blanked when it should have been set to 1 (for "not used"). Users can correct for this by looking at the value of AMTG. If BUYG is properly blanked, AMTG should have a value. If AMTG is blank, then treat blank values of BUYG as "1."

Q. How is CONTROL coded in the metropolitan surveys?

In the metro surveys, CONTROL values are unique only within a metro area. Thus, you may have records with the same CONTROL values but different SMSA values. In order to match records between datasets, you should sort on both SMSA and CONTROL.

Q. What is the meaning of the "blank" values in DISTJ and TIMEJ?

Those are persons whose place of work is not in the United States.

Q. What do DLINE, PER, PERSON, and PLINE represent?

Before answering the question, an explanation of how the data is set up and organized is in order. As part of the data entry, each person living in the housing unit is assigned a "person number." This person number does NOT necessarily correspond to who the head of the household (or householder) is.

So, first answering the question about the different variables:

- DLINE-person number of the respondent. The respondent is not necessarily the head of the household. This is the primary person answering the survey.

- PER-number of people in the household. This is a total count and does not refer to any individuals.

- PLINE-the person number of the particular individual in the household. Each person in the household is assigned a unique number. These numbers are not necessarily continuous and are assigned based on how the people have been listed during the survey, and NOT following any rules.

- PERSON-same as PLINE. This is the equivalent variable present in the journey to work module (JTW). It is used to identify in that module.

Q. What do we know about the coding of the "e" neighborhood variables?

Here is a partial answer. We still really do not know what is going on completely.

As an example, we looked at ESFD. Coming off the questionnaire, ESFD would have a '0' in it *if it were <u>not</u> checked*. It would have a '1' in it *if it were checked* by the interviewer. ESFD would have a '9' in it if an edit were run to put a '9' in it.

We are confused in that we have two people at the Census Bureau who have run this data and they have gotten different results in 1987. For single-family interviews, one person is getting all 9s and the other person is getting all 0s and 1s at this point. One is running an ASCII file and the other a SAS file, but except for the formatting, the files should be the same. We are still trying to resolve this inconsistency but it will take some time.

In the meantime, all I can tell you is that between 1987 and 1995, we had telephone interviewing and therefore, most single-family homes were not visited. If not visited, ESFD

would not have been asked of the interviewer. Coming out of the questionnaire, it would have a '0' in it. A '0' in 1987 through 1995 therefore, could mean that this is a telephone interview (I believe that this is what most '0s' mean) or it could mean that the unit was visited (only new units or replacement households were visited if they were single family structures) and ESFD is 'no'. A '1' would mean that the unit was visited and the answer is 'yes'.

In short, for single-family structures in the years 1987 through 1995 assume the following for now:

1) That you cannot get reliable totals for the E variables for single-family structures.
2) That codes of '1' are valid yeses but they do not represent all the yeses we would have gotten if we had visited all single-family homes.
3) That many of the '0s' simply mean that the unit was not visited. Only some of the '0s' mean that the answer is no.
4) That any '9s' were put there using some edit and that in most cases the '9s' were '0s' in units not visited coming out of the questionnaire.

We are not at all sure as of now why the 1987 data appears to be so different from the 1989 through 1995.

Q. What is the relationship among FAMNUM, FAMREL, and REL?

The key point is that there is a difference between "reference person" and "reference person of family."

- There is one reference person per household.
- There is one "reference person of the family" for each separate family in the household.
- If there is at least one family in the household, the reference person is always also the "reference person of family" for FAMNUM = 1.
- If there is more than one family in the household, the reference person of the family for FAMNUM > 1 may or may not be a relative of the reference person.

Specifically,

- If FAMNUM = 0, then FAMREL = 0 for everyone. The REL values for everyone show them as either the reference person or a nonrelative.

- If FAMNUM = 1, FAMREL shows everyone as being either the reference person of the family or a relative of the reference person of the family. REL shows everyone to be either the reference person or a relative of the reference person. Note that the reference person is always the "reference person of family."

- If FAMNUM > 1, FAMREL shows everyone as the "reference person of the family" or a relative of the ref person of the family. REL shows that none of the members of these families are the reference person (REL > 2 always). They may or may not be relatives of the reference person. {2/13/2008}

Q. Under what circumstances will FRSTHO be blank?

There are two circumstances where FRSTHO is specifically mentioned in the blanking:

1. If the unit is not occupied or not an owner unit (if STATUS ne '1' or TENURE ne '1')
2. If the source of down payment was sale of previous home (if DWNPAY eq '1').

Q. How are HO1, HI1, HP1, HV1, and HH1 coded?

0 = no
1 = yes
8 = not reported
9 = not applicable.

For HMod11 (raised lettering or Braille) we did not ask, "which limitation required the use of this aid?" (hi, ho etc).

Q. What is the relationship between HHMOVE and SAMEHH?

SAMEHH is created in the "bridge" program that moves data from the survey instrument into the Census computer system. It simply reverses the coding of the instrument variable rephh. A code of '1' (yes) simply means that at least one (not necessarily all) of the current household members was living in the unit during the previous interview period.

HHMOVE gives the information for MOVE (year move) for the householder. Whether or not anyone in the household was present during the previous interview period (SAMEHH) often has little relationship to the year the householder moved (HHMOVE). {2/29/2008}

Q. How are HRamp, HElev, Hrail, Hwide, HHndl, Hpush, HSckt, HSink, HBath, HKit, HRais, HPhon, HFlas, HOthr, HHelp, HCane, HChair, HCart, HDEV coded?

1 = yes
2 = no
8 = not reported
9 = not applicable

Q. What happened to INCFM?

INCFM is listed in the volume 3 codebook as indicating whether a household received farm income. In the dataset, this variable is called CROPSL.

Q. Is the IPOV variable contained as part of the income limits file the same that is used for the 'Below Poverty Level' in the published AHS volume? That is, should I be able to duplicate those results using IPOV?

IPOV is computed by HUD. We use the official poverty level definitions, of course. However, we do not explicitly coordinate with Census to make sure that tabulations based on IPOV will match the reports. The AHS reports also use the official poverty level cutoffs. A possible source of difference with the IPOV value would be that the official cut-offs are issued monthly, and the appropriate figure is applied to each AHS case based on month of interview. IPOV is

an annualized figure, and so there will be some cases that fall differently in AHS report than in a classification by IPOV.

Q. What is the difference between ISTATUS and STATUS?

In the surveys from 1997 on, ISTATUS and STATUS are identical. When the coding was revised for the 1997 survey, STATUS was used all through the various programs. At the end of this, we noticed that previous codebooks had used ISTATUS ("interview status") for this variable. Since changing the name would require extensive rewriting of the supporting programs, we just added ISTATUS "to avoid confusion." "Computers are going to save us a lot of work someday."

Q. What is the difference between KITCHEN and KITCH?

KITCHEN (sometimes KITCHE in older files) is a recode that indicates whether a unit has complete kitchen facilities. It is a yes/no variable. KITCH is the number of kitchens in the unit–a count of rooms.

Q. Why are the values of LMED (area median income) considerably higher than the median value of ZINC2 (household income)?

There are several reasons for this. LMED is based on HUD estimates of area median incomes for individual metro areas and nonmetropolitan counties. Although the people who create the estimates (our Economic Market Analysis Division) do use data from the individual AHS metro surveys where available, they use many other data sources, such as decennial census and random-digit dialing surveys. Thus, there is no specific reconciliation between LMED and ZINC2.

ZINC2 is known to underestimate income, mainly through missing nonwage income. Also, as was explained in the documentation for the income limits, the LMED estimate for cases where we don't have a valid SMSA value is an average over REGION, METRO3, and DEGREE.

LMED and the other income limits variables are intended to be used to match HUD program eligibility requirements and affordability measures. They are probably the best measures we have of variability in income and cost at the local level. But they aren't designed to add up to national measures based on ZINC2.

Another reason is that HUD estimates median *family* income, not *household* income. HUD income limits are based on "median income for family households." Thus, it more closely corresponds to ZINC in the AHS dataset, although the previous discussion still applies. The difference is that the HUD numbers exclude non-families (e.g., single people, roommates). {3/18/2008}

Q. Under what circumstances will LPRICE and MORTIN be blank?

> I have been doing some tabulations of the characteristics of recent buyers using the 1999 national survey, and I have found a lot of missing values for LPRICE, the purchase price. I can understand "D" and "R" values. I am also getting "B" and "." values. These are all for households where MG='1,' and so they have mortgages. Under what circumstances will "B" and "." show up for LPRICE?

Also, there are 120 cases (among these recent buyers) where MG='1' but MORTIN (type of mortgage insurance) is blank--not "B" but just blank. What's going on there?

You really need to use both LPRICE and CPRICE. From 1997 on, we collect CPRICE (LPRICE will be 'B') if people constructed or had their unit constructed and LPRI CE if they simply bought a unit already constructed. There should never be a value in both variables. Also, always assume in variables that have 'Ds' and 'Rs' that missing can also occur and they usually do. Anytime an interview stops before being completed, a missing can be generated for the remainder of the items that were not asked. Treat these missings as the same as Ds and Rs.

Remember that MG is allocated and MORTIN is not. It is quite possible that we allocated the value in MG and MORTIN would have remained as a missing.

Q. What is the difference between MCNT and REGMOR?

REGMOR is a respondent question. We ask how many regular mortgages they have, and record what they say.

MCNT is computed in the edits. After asking the above question, we gather data on each individual loan. MCNT is the count of how many loans we gathered information on.

In principle, there should be no difference between the two, but we do not reconcile them. In practice, they are different for a small number of cases. MCNT is probably a better variable to use, since it counts the loans that we know exist (in that we got more information about them). In addition, MG and MCNT are reconciled, while MG and REGMOR are not.

In 2001, the plan is to edit REGMOR and MCNT so that they are consistent. However, MCNT will be the count of both regular mortgages and lump-sum home equity loans. Thus, MCNT will always be greater than or equal to REGMOR.

Q. What is the difference between MOVE and MOVYR?

MOVE is a 4-digit variable and is edited. MOVYR is 2-digit and unedited. I have no explanation why the latter is in the public use file at all, but there it is.

Q. What are the differences among MVG, MOVGRP, and RMOV?

RMOV and MOVGRP are supposed to mean the same thing. RMOV is the secondary key in the recent mover data sets. Coming out of the instrument, we had both because CASES (the programming language for the survey instrument) creates a roster index (which is RMOV), so we have been carrying them along. In 1999, 584 cases have a missing RMOV and a good MOVGRP, for reasons we do not understand yet. We suggest you ignore RMOV for now and use just MOVGRP.

MVG comes from the person file. MOVGRP comes from the recent mover file. The file-flattening program merges recent mover information when combining based on control and the mover group number. The program renames one of them to allow the merge to be based on it.

Another oddity you will notice is that In the PERSON file, MVG goes from 1 to 4, but in the RMOV file, MOVGRP goes from 1 to 3. This is because we ask the recent mover questions for only 3 groups of movers per household. There are 4 mover groups indicated on the Person record because all the people (who are movers) that aren't part of the first 3 groups get lumped together into group 4 (so there could be any number of actual mover groups but we don't--and can't--differentiate after the first 4).

Q. What is the difference between NOPROB and NPROBS?

NPROBS provides a yes/no response to the question “Is there <anything/anything else> about the neighborhood that bothers you?” It is asked after the respondent was asked about heavy traffic, neighborhood crime, smoke/gas or bad smells, and street noise.

If the person answers 'yes' to NPROBS they have an opportunity to indicate all that apply from the following list, which includes the variable NOPROB:

No problem ..... NOPROB
Noise ..... NOISE
Litter or housing deterioration ..... LITTER
Poor city/county services ..... BADSRV
Undesirable commercial, institutional, or industrial property..... BADPRP
People..... BADPER
Other ..... OTHNHD

So if someone says, “Yes, there is something about the neighborhood that bothers me," he *can* then say, “no problem.”

Q. What is the difference between OWNPHA and PROJ?

The variable PROJ on the file is a recode of PROJ1 (question 12d_OWNPHA -- universe, renter-occupied units) and PROJ2 (question 14a_PROJ universe, selected vacant units). In other words, the PROJ variable is originally collected when it is not a regular interview. The OWNPHA variable is originally collected when there is a regular interview with the occupant. This can be seen in module AHSHCST2.Q of the "Q-code" which is the code for the interviewing framework for the computer assisted telephone interviewing. Both of these were then combined into the PROJ variable on the public use file.

Q. When should I use PRENT instead of RENT?

RENT is contract rent, but PRENT is what the household actually pays. The difference occurs when a unit is subsidized in some way (and thus the government or some other entity pays part of the contract rent). If you are interested in household expenditures, use PRENT if it has an entry. If you are interested in the cost of a unit independent of who lives there, use RENT. {3/18/2008}

Q. What is PVALUE for? Why is it mostly missing?

PVALUE is the "extra" value question asked at non-standard units. Units in multifamily structures, with a business on the property, or with more than 10 acres are asked PVALUE

(value of entire property), and well as VALUE (value of unit/value of unit and lot). So, PVALUE should mostly be missing. {2/13/2008}

Q. What is the difference between RAC and RAD?

RAD (old RACOST) is the amount reported for an individual job. This variable is on the HOMIMP dataset. Each eligible household may have several RAD variables. RAC is the summed amount for all jobs done by the household. In the 1997-1999 surveys, this variable is with the recodes (TOPPUF). After that, it is in the household file (NEWHOUSE).

Q. How is RAS coded? (1997 version)

1 = disaster required repairs
2 = created finished bathroom from unfinished space
3 = created finished bedroom from unfinished space
4 = created finished kitchen from unfinished space
5 = created finished recreation room from unfinished space
6 = created other finished inside room from unfinished space
7 = added bathroom onto home
8 = added kitchen onto home
9 = added bedroom onto home
10 = added other inside room onto home
11 = added/replaced garage
12 = added/replaced porch
13 = added/replaced deck
14 = added/replaced carport
15 = added/replaced other outside structure
16 = moved walls in bathroom
17 = added/replaced cabinets in bathroom
18 = added/replaced flooring in bathroom
19 = added/replaced counter tops in bathroom
20 = added/replaced toilet in bathroom
21 = added/replaced tub/shower in bathroom
22 = added/replaced sink in bathroom
23 = added/replaced lighting fixtures in bathroom
24 = added/replaced other electrical items in bathroom
25 = painted, papered, or wall tiled bathroom
26 = moved walls in kitchen
27 = added/replaced cabinets in kitchen
28 = added/replaced flooring in kitchen
29 = added/replaced counter tops in kitchen
30 = added/replaced other built-in appliances in kitchen
31 = added/replaced sink in kitchen
32 = added/replaced lighting fixtures in kitchen
33 = added/replaced other electrical items in kitchen
34 = painted, papered, or wall tiled kitchen
35 = bedroom created through structural changes
36 = other room created through structural changes
37 = added/replaced roof over entire home

38 = installed/added siding to home
39 = replaced/covered siding on home
40 = added internal water pipes to home
41 = replaced internal water pipes in home
42 = added electrical wiring to home
43 = completed rewired the electrical wiring in the home
44 = added/replaced fuse boxes or breaker switches
45 = added doors or windows to home
46 = replaced doors or windows in home
47 = added plumbing fixtures to home
48 = replaced plumbing fixtures in home
49 = added insulation to home
50 = replaced insulation in home
51 = added wall-to-wall carpeting over bare subflooring
52 = added wall-to-wall carpeting over a finished floor
53 = added other types of flooring over bare subflooring
54 = replaced finished flooring with same/different type of flooring
55 = installed new paneling or ceiling tiles
56 = replaced existing paneling or ceiling tiles
57 = installed/replaced central air conditioning
58 = replaced built-in heating equipment
59 = installed new built-in heating equipment
60 = added/replaced septic tank
61 = added/replaced water heater
62 = added/replaced dishwasher
63 = added/replaced garbage disposal
64 = other major improvements or repairs inside home (up to three could be reported)
65 = added/replaced driveways or walkways
66 = added/replaced fencing or walls
67 = added/replaced patio, terrace, or detached deck
68 = added/replaced swimming pool, tennis court, or other recreational structure
69 = added/replaced shed, detached garage, or other building
70 = other major improvements or repairs to lot or yard (up to three could be reported)

Q. How is RAS coded? (1999 version)

1 = disaster required repairs
2 = created finished bathroom from unfinished space
3 = created finished bedroom from unfinished space
5 = created finished recreation room from unfinished space
6 = created other finished inside room from unfinished space
7 = added bathroom onto home
8 = added kitchen onto home
9 = added bedroom onto home
10 = added other inside room onto home
11 = added attached garage onto home
12 = added porch onto home
13 = added deck onto home
14 = added carport onto home

15 = added other outside structure onto home
35 = bedroom created through structural changes
36 = other room created through structural changes
37 = added/replaced roof over entire home
38 = added/replaced siding on home
40 = added/replaced internal water pipes in home
42 = added/replaced electrical wiring, fuse boxes, or breaker switches in home
45 = added/replaced doors or windows in home
47 = added/replaced plumbing fixtures in home
49 = added/replaced insulation in home
51 = added wall-to-wall carpeting over subflooring
52 = added wall-to-wall carpeting over finished flooring
53 = added other types of flooring such as wood, tile, marble, or vinyl
55 = installed paneling or ceiling tiles
57 = added/replaced central air conditioning
58 = added/replaced built-in heating equipment
60 = added/replaced septic tank
61 = added/replaced water heater
62 = added/replaced built-in dishwasher
63 = added/replaced garbage disposal
64 = other major improvements or repairs inside home (up to three could be reported)
65 = added/replaced driveways or walkways
66 = added/replaced fencing or walls
67 = added/replaced patio, terrace, or detached deck
68 = added/replaced swimming pool, tennis court, or other recreational structure
69 = added/replaced shed, detached garage, or other building
70 = other major improvements or repairs to lot or yard (up to three could be reported)
71 = remodeled bathroom
72 = remodeled kitchen
73 = bathroom created through structural changes
74 = added/replaced security system in home

Q. When does RENT=1 have a special meaning?

1. The use of '1' as a code applies to any URE or vacant unit for which RENT is collected. In those cases, it means, “Depends on income of occupant, such as public housing and some military housing.”

2. However, for occupied units, '1' is a dollar amount, the same as any other dollar amount.

3. The practice of using a code for 'amount of rent depends on the occupant' began in 1985 National and in 1986 for Metro for vacant units; the code was not adopted for URE units until 1995 for both National and Metro.

Q. What, exactly, does a “no” answer for SAMEDU mean?

If you get a 'no' in the question for SAMEDU, it could mean that:

- the unit is the result of a conversion or merger since the previous survey
- the interviewer went to the wrong place last survey
- the current unit is a replacement mobile home (or, much less frequently, a replacement structure)
- the unit is a vacant mobile home site that was occupied in the previous survey
- the address identifies a location that is now a type C noninterview {2/29/2008}

Q. Why are SAMEHH and MOVE not always consistent?

We generate the variable SAMEHH from two questions in the demographics module of the instrument:

> STILIV1: "I have listed {READ NAMES} Are all of these persons still living or staying here?"
>
> STILIV2: "Do ANY of these people still live at this address?"

STILIV2 is asked only if the answer to STILIV1 is 'no'. If both STILIV1 and STILIV2 are answered 'no' the unit is considered to contain a replacement household. Neither variable is on the public use file since their information is coded directly into the variable SAMEHH.

The reason you are seeing conflicts between the MOVE dates and the SAMEHH variable is because there are no consistency edits between the two concepts. MOVE is edited to be consistent with the date of interview (can't move in later); the year the unit was built (can't move in before, except for mobile homes--it's a long story) and age (can't move in before person is born).

So in doing any analysis comparing MOVE and SAMEHH, you may first want to check to see if one or the other variable is allocated. If you find both data items are the household's response, you would have to decide which is more likely to be correct.

Q. What edits are performed on SAMEHH?

The 1999 version of the SAMEHH (Same household members live in unit) variable is improved from the 1997 version, but not perfect. In 1997, the questionnaire instrument initialized the value of SAMEHH as 'zero' and then changed the value to either '1' (same household) or '2' (new household) as data was collected to determine the situation. Unfortunately, the instrument did not manage to identify all the possible locations that should have reset the value of SAMEHH, and so many households were left with the original default value of 'zero'. In fact in 1997, about two-thirds of the interviews had a value of 'zero' in SAMEHH. Research showed that these cases included both new and returning households, and there was no way for users to distinguish between the two.

In 1999, there are no values of 'zero' in SAMEHH. This was easily accomplished by initializing the variable as '1' rather than 'zero.' However, besides this 'improvement',

staff also reviewed the survey instrument to plug the holes in coding SAMEHH. A review of the data (comparing prior year and current year names) revealed that in 1999, the great majority of households seem to have the appropriate value in the variable SAMEHH. Due to the complexity of the instrument section that collects the demographic information, there are still some cases where SAMEHH may be incorrect. For example, fewer than 500 persons (out of 102,000 plus) are in households that may be mislabeled as in new households (although they also lived at the unit the previous interview period) and no more than 1,000 persons are in households that may be mislabeled as returning units. These figures are overstatements of the problem, both because SAMEHH is a household, not a person-level variable and because the data for some of these cases is so self-contradictory that the true situation cannot be determined short of re-contacting the sample household.

Q. What is the relationship between SAMEHH and SAMEHH2?

In the instrument:

1. All cases are initially set as REPLHH = 2 (not a replacement hh) at page 20 of QCODE; for vacant and noninterview units, they skip past all the succeeding points in the instrument that change the value of REPLHH, so theoretically all vacant and noninterviews should have SAMEHH = 1

2. At CC_BEGIN (page 134) which is reached by occupied units, cases that were prior year URE, vacant or noninterviews are directed to SET_REPLACE (page 139) where REPLHH is reset as 1 (replacement hh). Cases with INCSAM = 0 (returning units) and are not prior year URE, vacant or noninterviews are sent to STILIV1, and the remainder are sent to SET_REPLACE (page 139) where REPLHH is reset as 1 (replacement hh)

3. At STILIV1 (page 134), if all persons from prior year are still residents (or answer is DK or Ref) then REPLHH reset as 2 (same household); answers of "no" got STILIV2.

4. At STILIV2 (page 136), if any person from prior year is still a resident or answer is DK or Ref then REPLHH is left as 2 (same household); answers of "no" got CHECK_REP

5. At CHECK_REP (page 136), FR asked to confirm that this is a replacement household, if "P" (for "proceed") then REPLHH is reset to 1 (replacement household)

6. There are 2 places in the instrument CK_LEFT3 (page 138) and CK2_LEFT3 (page 165) which compare the number of persons deleted from the household roster with the total number of persons on the roster; and if all persons are deleted then REPLHH is reset to 1 (replacement household), otherwise it is reset to 2 (same household).

7. Finally at SET_REPLACE (page 139), cases routed from CC_BEGIN above, are set to REPLHH equals 1 (replacement household) In the processing: then the PUF version of the variable, called SAMEHH, is created in the bridge; this code sets SAMEHH = 3 when STILIV2 = DK or REPLHH = D, else SAMEHH = REPLHH, unless REPLHH = 1 then SAMEHH = 2, or REPLHH = 2, then SAMEHH = 1.

8. There are no edits that change the value of SAMEHH.

DISCUSSION:
The code above should produce an expected outcome for SAMEHH. However it does not. Theoretically all cases that are not interviews should have a value of '1' in SAMEHH but this is not the case. (Whether that should be the appropriate value is a different question.) There are a little over 1,100 cases in 2005 that are noninterviews, vacants or URE interviews but have a value in SAMEHH of '2'. As far as it can be determined, some of these cases changed interview status during or after the interview but the entry in SAMEHH did not change. For other cases, the reasons are unknown.

For occupied units, SAMEHH appears to generate correctly. An overview comparing SAMEHH by current and previous occupants' names showed the appropriate entry for the situations.

The new variable SAMEHH2 should be better than SAMEHH. It is generated as a recode after the edits are done and is based on current and prior status and well as SAMEHH. So it would have the correct parts of SAMEHH (the information regarding actual changes in the people) and the correct parts of the changes in interview type. SAMEHH2 is also an improvement since it provides more information on the reason the unit is not the same household. {2/13/2008}

Q. How is SMSA coded in the national surveys?

See the entry for this variable in the codebook.

Three pseudo MSA codes, 9991, 9992, and 9993, were added in 1995 to preserve confidentiality for part of the supplemental sample that was added for the 6 cities that year. (Only these 3 MSAs needed the extra protection.) There are parts of these smaller MSAs that cannot be identified on the public use file because they do not meet the 100,000-population rule. Normally, they would have shown up on the public use file as an unidentified MSA. However, since they were added to beef up the sample in these metropolitan areas, we wanted to show that they were indeed part of that larger metro area but at the same time not reveal exactly which part of the metro area. To use 9992 as an example, parts of 5380 cannot be identified by themselves. Therefore, they have been combined with parts of 5600 to form 9992. That way, a user can not know for sure if the case is from 5380 or 5600, and we have preserved the confidentiality of the respondent. The user does need to include these pseudo MSA codes in his tabulations if he is tabulating Chicago, New York, or Northern New Jersey.

Q. In pre-1997 surveys, what is the difference between the variables NOISE and STRN?

The STRNx variables come from the section of the questionnaire that specifically asks about street noise. By contrast, NOISE comes from the section a little further down which asks people to list the things about the neighborhood that bother them. Surprisingly, there isn't a strong correlation between NOISE and any of the STRNx variables.

Q. In 1997 and later surveys, what is the relationship among the street noise variables (STRNA, STRNB, STRNC)? And does the variable NUTRAF still exist?

The old variable STRN has been split into three variables:

- STRNA Neighborhood has heavy street noise/traffic
- STRNB Neighborhood street noise/traffic bothersome
- STRNC Street noise/traffic so bad you want to move

These replace NUTRAF.

The difference among the variables can be seen in tracking through the original q-code. Respondents are first asked if the neighborhood has heavy street noise or traffic. This information is stored in the STRNA variable. Only if they answer yes do they get the question of if it is bothersome (STRNB variable). If they answer yes to that question, they are asked if it is bothersome enough to move (STRNC variable). So, from a reading of the Q-Code that drives the interviewing process, STRNC is a subset of STRNB, which is a subset of STRNA.

That being said, the NOISE variable is collected independently of the STRNx variables. That is a separate set of questions asking, "Is there anything about the neighborhood that bothers you?" If yes, then the respondent is asked for a list of items and can independently respond "Noise." These questions and skip patterns can be found in the neighborhood quality module of the q-code.

Q. How is TENURE different from TEN and HHTEN? Why is HHTEN always 'X?'

TENURE is a unit-level variable that tells you whether the *unit* is owned, rented, etc. TEN is a person-level variable that tells you whether a particular *person* is an owner (named on the title) or renter (named on the lease) of the unit. TEN is coded as 'X' if the person is an owner or renter and is missing otherwise. Note that you would have to check TENURE to tell whether the 'X' means owner or means renter in a particular case. While the reference person will always have TEN='X,' other members of the household may or may not have this value.

HHTEN is one of the "HH…" variables on the NEWHOUSE file. These contain the characteristics of the householder. We include them on NEWHOUSE so that users can run tabulations by characteristic of the householder without having to link to the PERSON file. By the logic of how TEN is coded, HHTEN will always be 'X.' However, we keep it on NEWHOUSE for the sake of completeness.

Q. How is TENURE allocated for "Type A" noninterviews?

1. Tenure is collected early in the interview. We may get an answer to the question on tenure even though we do not collect enough information on the household for the interview to be considered complete (i.e. it ended up being a type A). The answer we get for tenure in one year may or may not be the same as it was in the previous year.

2. If we do not get tenure for a noninterview, but we do have a value from the previous survey that was not the result of any editing or allocation (i.e. it was an actual answer), this tenure is copied into current survey. In this case, the two years will be the same tenure.

3. If we do not get tenure for a noninterview and we either do not have a previous answer or the previous answer is the result of editing/allocating, the 1999 tenure was cold decked (3 times owner and 2 times renter). This answer has a high probability of being different from any answer cold decked in the previous survey.

Units that are type As in one year are likely to be problem units. There is a good chance that they did not have a legitimate tenure answer in the previous year either. Thus, it would not be surprising if these units show different tenures in different years.

Q. How is TPARK coded?

1 thru 20 = number of mobile homes in group
21 = 21 mobile homes or more

Q. How do the utility cost variables interact?

Using gas as an example:

1. Does the unit use gas at all?
   BUYG NE 1

2. Does the unit pay for gas?
   AMTG >= 1

3. Does the unit pay for gas separately?
   AMTG >= 1 AND BILLG = B

   a. How much?
      value in AMTG

4. Is the gas payment combined with other utilities?
   BILLG = 2 (note that AMTG = B in this case)

   a. Which ones?
      whichever of BILLGx has an X (see part b, it will be BILLGE)

   b. What is the total?
      amount in AMTx of the first of the group listed. Since only electricity precedes gas in question order, this works out to AMTE

5. Is this thing called the gas payment really a combined payment?
   BILLG = 2 (yes, a combined payment);

   a. For what other utilities?
      whichever of BILLOG, BILLFG, BILLTG or BILLWG has an X (note: there is not a "BILLEG" variable due to the priority rule, e.g. the amount goes with the 1st listed of combined items, so if gas was with electricity the conditions in point 4 would apply)

6. Does this amount for utility X include gas in it as well?
   xBILL = 2 AND BILLGx = X

Q. Does ZINC2 not include all the income of all the household members?

In 1999, we stopped collecting income for household members 14 and 15 years of age, but that is the only change. In 1999 ZINC2 should have the income of all household members 16 years of age and older.

Q. How are TLINE1, TFAM1, TDORM1, THOSP1, TJAIL1, TSHEL1, TSRO1, TBUS1, and TPARK1

These variables are in the alternate housing supplement. There is one set for each person in the household (labeled 1, 2, etc.).

TLINE1	PLine number on roster
TFAM1	Days spent with friends or family
TDORM1	Days spent in dormitory or barracks
THOSP1	Days spent in a care facility or other institution, such as a hospital
TJAIL1	Days spent in jail or prison
TSHEL1	Days spent in a homeless shelter or other shelter
TSRO1	Days spent in a SRO
TBUS1	Days spent in a bus or train terminal.
TPARK1	Days spent on a street, in a park.

Q. Why does WEIGHT take such extreme values (such as from 19 to 25,713 in 2005)?

These values are generally artifacts of unusual circumstances in drawing the sample.

Small weights can come from a unit picked up when the Census Bureau was conducting Components of Inventory Change procedures and was identifying and interviewing all changes in a structure, and not just those that involved AHS-N sample cases. The probability of selection for such cases would be the probability that any unit in the stricture was selected for AHS-N. The bigger the structure, the larger the probability of selection, and the smaller the weight (which is the inverse of the probability of selection). Cases in large structures thus have very small weights.

The large weight is for a unit that was selected from a frame of housing units missed in the 1980 Census. This frame was used by several surveys, and so we had to share these missed units. Thus, we had to live with a small sample size of such units, which meant they had to be assigned larger weights.

Q. Why is YRMOR sometimes less than WHNGET?

A big part of the problem is probably the fact that WHNGET is edited to bring it into agreement with MOVE and BUILT. YRMOR is not edited to bring it into agreement with WHNGET. So it is quite possible that for some cases YRMOR has a value that seems to be inconsistent with WHNGET because of the edited values in WHNGET. It is also possible that edits did not cause

the problem but that the respondent gave answers to WHNGET in the RET module that are inconsistent with the answers in the MORTGAGE module.

In order to change this in the future we would have to add some edits for the mortgage module. We would have to be careful if we did this however as it would also change the data for MATBUY and NEWMOR as MATBUY, NEWMOR, and YRMOR are all brought into agreement in the edits. {2/29/2008}

Q. Is the variable ZSPEC still available in the 1999 survey? If not, can it be reproduced, especially the three categories of ownership?

ZSPEC is not available. Here is how I would reproduce it:

```
/* Vacant, URE, Noninterview */
IF Status ^= '1' THEN
     ZSpec = 9;

/* Owned, one unit, < 10 acres, no business */
ELSE IF Tenure = '1'
     AND '1' <= NUnit2 <= '2'
     AND Lot <= 439999
     AND DRShop ^= '1'
     AND Condo = '3' THEN
     ZSpec = 1;

/* cooperative or condominium */
ELSE IF Condo = '1' THEN
     ZSpec = 2;

/* other owner-occupied */
ELSE IF Tenure = '1' THEN
     ZSpec = 3;

/* renters, excluding single unit on 10+ acres */
ELSE IF (Tenure = '2' OR Tenure = '3')
     AND NOT (NUnits = 1 AND Lot >= 440000) THEN
     ZSpec = 4;

/* other renters */
ELSE IF  (Tenure = '2' OR Tenure = '3') THEN
     ZSpec = 5;
```

Q. How were ZONEs defined in the metropolitan PUFs?

In the early 1980s, the city of Chicago wrote to HUD asking if the areas they defined as "neighborhoods" could be broken out is some way on a file so that they could use the AHS to do more detailed studies. HUD and Census put tracts together into zones that would satisfy the confidentiality requirements and closely approximate Chicago's "neighborhood" definitions.

Having done that, HUD thought this was a good enough idea to apply it to the other metro areas. So HUD people (primarily Kathy Nelson) sat down again and defined "neighborhoods" for the other cities and Census people put the tracts together to satisfy those definitions as well.

Several difficult-to-find papers describe the process of defining zones in more detail. These include:

- Nelson, Kathryn P. 1981. Defining “small” areas within Annual Housing Survey SMSAs. Paper delivered at Southern Regional Demographic Group, Little Rock, AK, October 16.

- Turner, Margery and Edwards, John. 1993. "Affordable Rental Housing in Rental Neighborhoods." In Kingsley and Turner. *Housing Markets and Residential Mobility*, Urban Institute Press.

- Nelson, Kathryn P. and Edwards, John. 1993. "Intra-urban Mobility and Location Choice in the 1980s." In Kingsley and Turner. *Housing Markets and Residential Mobility*, Urban Institute Press.

A paper copy of Nelson 1981 is in the files at HUD. See the FAQ contact about obtaining a copy.

These papers deal with redefining zones after the 2000 revision of the metropolitan area definitions by the Office of Management and budget:

- Vandenbroucke, David A. 2005. “Sausage making at the AHS: Metro Survey Zones.” Paper delivered to the Mid-Year Meetings of the American Real Estate and Urban Economics Association, May 31. http://www.areuea.org/conferences/papers/download.phtml?id=693

- Vandenbroucke, David A. 2008. “The Improved AHS Sausage Machine, or American Housing Survey Metropolitan Zones.” Paper delivered to the Southern Regional Science Association, March 28. [Electronic copy available from author.] {3/5/2008}

Variable Name Glossary

This appendix lists all the variable names mentioned in this document, along with their descriptive labels. Note that some of the variables are no longer used in current surveys, some were used only in certain supplements, and a few are Census Bureau internal variables that are not publically available. This list is intended only as a way of checking on variables while reading the FAQ. For a comprehensive list of variables, consult the codebook for the appropriate survey year.

NAME	LABEL
ACCESSB	Entry system required to access building
ACCESSC	Entry system required to access community
AGE	Age of person
AGERES	Age restricted development
AMTE	Average monthly cost of electricity

NAME	LABEL
AMTG	Average monthly cost of gas
AMTX	Annual real estate tax payment
BADPER	People in neighborhood are bothersome
BADPRP	Undesirable neighborhood property bothersome
BADSRV	Poor city/county services are bothersome
BIGP	Area of peeling paint larger than 8 x 11
BILLFG	Other fuels billed with gas
BILLG	Type of billing for gas
BILLGE	Gas billed with electricity
BILLOG	Fuel oil billed with gas
BILLTG	Garbage/trash billed with gas
BILLWG	Water/sewage billed with gas
BUYG	Pay for gas separately
CONTROL	Control number
CPRICE	Cost of construction plus value of land
CRACKS	Open cracks wider than dime
CROPSL	Receive farm income
DEGREE	Average heating/cooling degree days
DENS	# of dens/libraries/tv rooms in unit
DISTJ	# of miles traveled to work
DLINE	Line number of respondent
ESFD	Single family homes within 1/2 block
FAMNUM	Family number
FAMREL	Family relationship
FRSTHO	Ever owned home before
GATED	Walls/fences surrounding community
HBATH	Bathroom designed for wheelchair present
HCANE	Someone has a cane, walker, or crutches
HCART	Someone has motorized or electric cart
HCHAIR	Someone has a wheelchair
HDEV	Someone has any other device
HELC	Has a home equity line of credit
HELCN	# of home equity lines of credit
HELEV	Elevator present
HELUMN	# of lump sum home equity loans
HELUMP	Has a lump sum home equity loan
HETYP1	1st home equity loan type
HETYP2	2nd home equity loan type
HETYP3	3rd home equity loan type
HFLAS	Flashing lights present
HH1	Hearing problems require the use of the first feature
HHELP	Someone has the help of another person with their limitation
HHMOVE	Year householder moved in
HHNDL	Door handle instead of knobs present
HHTEN	Householder is owner/renter of unit
HI1	Getting around inside the house requires the use of the first feature

NAME	LABEL
HKIT	Home has kitchens designed for easier accessibility
HO1	Entering and exiting this residence requires the use of the first feature
HOLES	Holes in floor
HOTHR	Other special features present
HP1	Personal activities require the use of the first feature
HPHON	Home has specially equipped telephone
HPUSH	Push bars present
HRAIL	Extra handrails or grabbers present
HRAIS	Home has raised lettering or braille
HRAMP	Ramps present
HSCKT	Special wall sockets or light switches present
HSINK	Special sink, faucets, or sandwiches present
HV1	Vision problems require the use of the first feature
HWIDE	Extra wide doors present
IFBLOW	Fuses blown or circuit breakers tripped
IFDRY	Unit completely without running water
ILEAK	Any inside water leaks in last 12 months
INUSYR	Year came to US
IPOV	Poverty income
ISTATUS	Interview status
KITCH	# of kitchens in unit
KITCHEN	Unit has complete kitchen equipment
LDMAYB	Seller/agent said lead paint possible
LEAK	Any outside water leaks in last 12 mnths
LITTER	Litter in neighborhood bothersome
LIVING	# of living rooms in unit
LMED	Area median income (average)
LPRICE	Purchase price of unit and land
MATBUY	Got 1st mortgage in same yr bought unit
MCNT	# of regular mortgages
METRO3	Central city / suburban status
MG	Any mortgages on this property
MORTIN	Type of 1st mortgage
MOVE	Year person moved in
MOVGRP	Recent mover group
MOVM	Month person moved in
MOVYR	Year person moved in
MRTYP1	Type of 1st mortgage
MRTYP2	Type of 2nd mortgage
MVG	Recent mover group
NEWMOR	1st mortgage new or assumed
NOINT	Noninterview reason
NOISE	Noise in neighborhood is bothersome
NOPROB	Nothing bothersome in neighborhood
NORC	Majority of neighbors 55+
NPROBS	Anything bothersome in neighborhood

NAME	LABEL
NUNITS	# of units in building
NUTRAF	Traffic in neighborhood is bothersome
OTHNHD	Other problems bothersome in neighborhd
OWNPHA	Unit owned by public housing agency (Census internal variable)
PAPHLT	Received pamphlet about lead paint
PER	# of persons in household
PERSON	Line number of person
PLINE	Line number of person
PRENT	Amount of rent actually paid
PROJ	Bldg owned by public housing authority
PVALUE	Current value of unit
PWT	Pure weight - inverse of prob of selectn
RAC	Cost of replacements/additions to unit
RACE	Race of person
RACOST	
RAD	Cost of alteration/repair
RAH	Hhld member performed alteration/repair
RAN	# of replacements/additions made to unit
RAS	Type of alteration/repair - 1999 version
RATS	Rats seen in unit recently
RECRM	# of recreation rooms in unit
REGION	Census region
REGMOR	# of regular mortgages on unit
REL	Relatnship of person to reference person
RENT	Monthly rent
RESPTYP	Type of respondent
RMOV	Mover group number
SAMEDU	Same HU as last enumeration
SAMEHH	Same hhld members live in unit
SAMEHH2	Same hhld members live in unit(recode)
SEX	Sex of person
SMSA	1980 design PMSA code
STATUS	Interview status
STRN	Street noise present
STRNA	Neighbrhd has heavy street noise/traffic
STRNB	Nghbrhd street noise/traffic bothersome
STRNC	St. noise/traffc so bad you want to move
TBUS1	Days spent in a bus or train terminal
TDORM1	Days spent in dormitory or barracks
TEN	This person is owner/renter of unit
TENURE	Owner/renter status of unit
TFAM1	Days spent with friends or family
THOSP1	Days spent in a care facility or other institution, such as a hospital
TIMEJ	Length of trip to work
TJAIL1	Days spent in jail or prison
TLINE1	PLine number on roster

NAME	LABEL
TPARK	# of mobile homes in group
TPARK1	Days spent on a street, in a park
TSHEL1	Days spent in a homeless shelter or other shelter
TSRO1	Days spent in a SRO
UNITSF	Square footage of unit
VACANCY	Vacancy status
VALUE	Current market value of unit
VOTHER	Total non-wage income for family members
VOTHER2	Total non-wage income for household
WEIGHT	Final weight using 1980 geography
WGT00_90	Final weight using 1990 geography and census 2000 controls
WGT90GEO	Final weight using 1990 geography
WHNGET	Year unit bought/obtained/received
YRMOR	Year 1st mortgage obtained
YRRND	Unit suitable for year round use
ZADEQ	Recoded adequacy of housing
ZINC2	Household Income
ZONE	Metropolitan survey zone number
ZSPEC	Recoded renter/owner code

Appendix J: Use of Dependent Interviewing in AHS National

"Dependent interviewing" is the practice of using the results from previous surveys or other questions to improve the accuracy and reduce respondent burden of current surveys. Since the American Housing Survey is longitudinal, it provides numerous opportunities to practice dependent interviewing by using information collected about a housing unit in previous years. While a limited form of dependent interviewing was used from the very beginning of the AHS, this practice was expanded considerably after the survey instrument switched to a computer-assisted form in 1997. In the following national survey (1999), the instrument had access to the data recorded in 1997 and could thus supply the Field Representatives with the information needed for dependent interviewing.

Dependent interviewing takes a number of basic forms:

1. Do Not Re-ask. In its simplest form, data items which are unlikely to change can be skipped entirely, once a valid answer is obtained. Examples of this include the purchase price or a person's gender or country of birth).

2. Probe. In cases where changes in response are possible but unlikely, the Field Representative can be prompted to probe a reported change, to make sure it is correct.

3. Verify. For data items which can change but either do so infrequently or in a predicable way (such as person age), the respondent can be asked to verify that the situation is as it was in the previous survey, supplying new information about any changes.

4. Bound. For infrequent events, such as remodeling or major repairs, the respondent can be asked whether an event is the same or different from one reported in the previous survey. This helps eliminate "telescoping," the tendency of respondents to remember events as more recent than they actually were.

These basic forms can be modified with triggers that invoke or suppress them under specified circumstances. For example, year built is generally "do not re-ask," but it is asked again if a unit changes from being renter-occupied to being owner-occupied, on the grounds that owners are more likely to know this information than renters.

The table below lists the variables in the AHS national datasets that are subject to dependent interviewing. The table shows the type of dependent interviewing that was used in each survey year, if any. See the legend and notes at the end of the table for an explanation of the codes used.

Variable	Survey Years							
	1974 to 1983	1984 to 1995	1997	1999	2001	2003	2005	2007
ACCESSB								V-y
ACCESSC								V-y
AFUEL				V-s	V-s	V-s	V-s	V-s
AGE	V	V	V	V	V	V	V	V
AGERES								V-y
AIRSYS				V-y	V-y	V-y	V-y	V-y
ANCHOR								V-y
BUILT		DNR	DNR	V-t	V-t	V-t	V-t	V-t
BURNER			V-y	V-y	V-y	V-y	V-y	V-y
CELLAR				V-s	V-s	V-s	V-s	V-s
CFUEL				DNR	V-s	V-s	V-s	V-s
CITSHP						DNR-s	DNR-s	DNR-s
CLIMB				V	V	V	V	V
COMMRECR[1]							DNR-y	
CONDO								V
COOK			V-y	V-y	V-y	V-y	V-y	V-y
CPRICE				DNR	DNR	DNR	DNR	DNR
CUSHOM				DNR	DNR	DNR	DNR	DNR
DFUEL				V-s	V-s	V-s	V-s	V-s
DISH			V	V	V	V	V	V
DISPL			V	V	V	V	V	V
DRY			V	V	V	V	V	V
DWNPAY				DNR	DNR	DNR	DNR	DNR
EAPTBL								V-y
EBARCL1								V-y
ECOM1								V-y
ECOM2								V-y
ELOW1								V-y
EPRKG								V-y
ESFD								V-y
ETRANS								V-y
EWATER							DNR	DNR
FLOODPLN							DNR	DNR
FLOORS				V	V	V	V	V
FRSIT			DNR	DNR	DNR	DNR	DNR	DNR
FRSTHO				DNR	DNR	DNR	DNR	DNR
FRSTOC				DNR	DNR	DNR	DNR	DNR

[1] Applies only to the golf course portion of the recode

Variable	Survey Years							
	1974 to 1983	1984 to 1995	1997	1999	2001	2003	2005	2007
GARAGE								V-y
GATED								V-y
GRAD			V	V	V	V	V	V
HEQUIP			V-s,y	V-s,y	V-s,y	V-s,y	V-s,y	V-s,y
HFUEL			V-s	V-s	V-s	V-s	V-s	V-s
INUSYR						DNR	DNR	DNR
LOT				V	V	V	V	V
LPRICE				DNR	DNR	DNR	DNR	DNR
MAR			V	V	V	V	V	V
MHSETQ								V
MOVE	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
MOVM	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
NATVTY						DNR	DNR	DNR
NOWIRE			V-y	V-y	V-y	V-y	V-y	V-y
NUNIT2					DNR-c	DNR-c	DNR-c, P	DNR-c
NUNITS			V	V	V	V	V	V
OVEN			V-y	V-y	V-y	V-y	V-y	V-y
OWNHERE								V-y
OWNLOT								DNR
PAR			DNR	DNR	DNR	DNR	DNR	DNR
PLUGS			V-y	V-y	V-y	V-y	V-y	V-y
PORCH				V-y	V-y	V-y	V-y	V-y
PREOCC				DNR	DNR	DNR	DNR	DNR
PROJ				DNR		DNR	DNR	DNR
PUBSEW				V-y	V-y	V-y	V-y	V-y
RACE[2]	DNR	DNR	DNR	DNR	DNR		DNR	DNR
RAS			B	B	B	B	B	B
REFR				V-y	V-y	V-y	V-y	V-y
REL					DNR	DNR	DNR	DNR
SCHCLS								V-y
SEWDIS								V-y
SEX	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
SHPCLS								V-y
SINK			DNR-y	V-y	V-y	V-y	V-y	V-y
SPAN	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
SPOUS					DNR	DNR		
TADJ								DNR
TALWIR								DNR

[2] Race was reasked in 2003 in order to allow answer of multiple races.

Variable	Survey Years							
	1974 to 1983	1984 to 1995	1997	1999	2001	2003	2005	2007
TASB								DNR
TPBPAI								DNR
TPBPIP								DNR
TPBSOL								DNR
TRADON								DNR
TRASH			V	V	V	V	V	V
TREP								DNR
TWATER								DNR
UNITSF		DNR	DNR	DNR	DNR	DNR	DNR	DNR
WASH			V	V	V	V	V	V
WATER				V-s	V-s	V-s	V-s	V-s
WELDUS				V	V	V	V	V
WELL				V	V	V	V	V
WFPROP								V-y
WFUEL			V-s	V-s	V-s	V-s	V-s	V-s
WHNGET				DNR	DNR	DNR	DNR	DNR

LEGEND: V - verify prior year response
V-s – verify prior year response excluding answers of “other”
V-t – verify if tenure changed from renter to owner-occupied
V-y – verify if prior year response was “yes”

DNR – do not reask (fill answer from prior year)
DNR-c – do not reask if current year TYPE agrees with prior year NUNIT2
DNR-s – do not reask if prior year citizen
DNR-y – do not reask if prior year response was “yes”

P – probe if prior year value not equal to current year value

B – bounding, verify that same job in successive surveys are not duplicates

<u>Additional information on the use of dependent interviewing:</u>

- Only prior respondent-provided, unedited data are eligible to be used in dependency comparisons.

- Based on the individual item, the eligibility for dependency may be further restricted. It must be the same housing unit being interviewed in the previous and current survey. For most items, the prior year must have been a regular, occupied interview. For items

related to the acquisition of the home, the prior year household must be the same as the current year.

- Dependency formats may change from survey year to survey year.

- The 1997 AHS (the first automated instrument) incorporated dependency practices throughout the survey instrument. However, this was also a questionnaire redesign year and many questions were not identical to the format used in 1995. Therefore, prior year data were unavailable. So while many items appear (based on the instrument programming) to have had dependency applied in 1997, only those marked on the table actually were dependent in 1997.

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