AMERICAN HOUSING SURVEY

2007 Table Specifications

U.S. Department of Housing and Urban Development
Office of Policy Development and Research

PD&R

AMERICAN HOUSING SURVEY

2007 Table Specifications

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*                                                                    *
*                   N2007 AMERICAN HOUSING SURVEY                     *
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*                                                                    *
*                INDIVIDUAL STUB AND RECODE SECTION                   *
*                                                                    *
**********************************************************************


|/* RECODE for ELDER - AGE01 - Number of elderly persons in a household */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if AGE ge 65 then ELDER = ELDER + 1;
|    end;
|end;
|


AGE01          \
               \[B]Persons 65 Years Old and Over
               \
               \None                                         \ELDER = 0
               \1 person                                     \ELDER = 1
               \2 persons or more                            \ELDER ge 2


AGED02         \
               \[B]Special Living@26
               \
               \++         Services available to
               \        residents@1                          \MEALS = 1 or TRANSP = 1 or HOUSKP = 1 or \
               \                                              \FINMGMT = 1 or PHONUSE = 1 or SHOPNG = 1
               \Meals                                         \MEALS = 1
               \Transportation                               \TRANSP = 1
               \Housekeeping                                  \HOUSKP = 1
               \Financial management                         \FINMGMT = 1
               \Aid with telephone                           \PHONUSE = 1
               \Shopping                                      \SHOPNG = 1
               \
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```
        \++          Services and assistance
        \            available to residents@1, @27       \BATHNG =1 or EATNG = 1 or MOVNG = 1 or \
        \                                                \DRESNG = 1 or TOLTUSE = 1
        \Bathing                                         \BATHNG = 1
        \Eating                                          \EATNG = 1
        \Moving about                                    \MOVNG = 1
        \Dressing                                        \DRESNG = 1
        \Toilet use                                      \TOLTUSE = 1
\[F]@1Figures may not add to total because more than one category may apply to a unit.
\[F]@26Restricted to multiunits with five or more apartments with a resident 55 years of age or older.
\[F]@27Limited to units that reported meals, transportation, or housekeeping, financial management, aid with
\[F] telephone or shopping.

AREA15      \
        \[B]Metropolitan/Nonmetropolitan Areas
        \
        \Inside metropolitan statistical areas          \MSASTA90 = 1-2
        \  In central cities                            \MSASTA90 = 1
        \  Suburbs                                      \MSASTA90 = 2
        \Outside metropolitan statistical areas         \MSASTA90 = 3


BATH01      \
        \[B]Complete Bathrooms
        \
        \None                                           \BATHS = 0
        \1                                              \BATHS = 1 and HALFB = 0
        \1 1/2                                          \BATHS = 1 and HALFB ge 1
        \2 or more                                      \BATHS = 2-10


BEDR01      \
        \[B]Bedrooms
        \
        \None                                           \BEDRMS = 0
        \1                                              \BEDRMS = 1
        \2                                              \BEDRMS = 2
        \3                                              \BEDRMS = 3
        \4 or more                                      \BEDRMS = 4-10


CARS01      \
        \[B]Cars and Trucks Available@1
        \
```

```
          \No cars, trucks, or vans                          \CARS = 0 and TRUCKS = 0
          \Other households without cars                     \TRUCKS = 1-5 and CARS = 0
          \1 car with or without trucks or vans              \CARS = 1
          \2 cars                                            \CARS = 2
          \3 or more cars                                    \CARS = 3-5
          \With cars, no trucks or vans                      \CARS = 1-5 and TRUCKS = 0
          \1 truck or van with or without cars               \TRUCKS = 1
          \2 or more trucks or vans                          \TRUCKS = 2-5
\[F]@1Figures may not add to total because more than one category may apply to a unit.


|/* RECODES for COMP01-COMP05:  Family Composition */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if AGE ge 18 then ZADULT = ZADULT + 1;      /* COMP03 */
|        if REL eq 1-2 then do;
|            HHAGE = AGE;      /* COMP01 and COMP02 */
|            HHMAR = MAR;      /* COMP02 and COMP03 */
|            HHSEX = SEX;      /* COMP02 */
|        end;
|        if AGE eq 0-13 or (AGE eq 14-17 and MAR eq 3-6) then do;
|            KID = KID + 1;      /* COMP03 and COMP04 */
|            if AGE eq 1-5 then KIDU6 = KIDU6 + 1;     /* COMP03 */
|            if AGE eq 6-17 then KID617 = KID617 + 1;     /* COMP03 */
|        end;
|        if REL eq 22 then do;
|            HHLDKID = HHLDKID + 1;
|            if AGE eq 0-17 then HHKDU18 = HHKDU18 + 1;     /* COMP05 */
|            if AGE eq 18-29 and MAR ne 1-2 then ADLTKD29 = ADLTKD29 + 1;     /* COMP05 */
|            if AGE gt 29 and MAR ne 1-2 then ADLTKD30 = ADLTKD30 + 1;     /* COMP05 */
|        end;
|        if REL eq 23-26 or (REL=22 and AGE ge 18) then OTHREL = OTHREL + 1;     /* COMP05 */
|        if REL eq 24 then do;
|            PARENT = 'X';      /* COMP05 */
|            if PAR gt 0 then GRANDPA = 'X';     /* COMP05 */
|        end;
|        if REL eq 23 then GRANKID = 'X';     /* COMP05 */
|        if REL eq 1-2 then REFPER = 'X';     /* COMP05 */
|        if REL eq 20 then SPOUSE = 'X';     /* COMP05 */
|        if FAMNUM ge 2 and FAMTYP eq 3 and FAMREL eq 1 then do;
|            RELFAM = RELFAM + 1;      /* COMP05 */
```

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|          RELHHAGE = AGE;        /* COMP05 */
|       end;
|       if FAMREL eq 4 then RELOTH = RELOTH + 1;      /* COMP05 */
|       if REL gt 26 then do;
|          NONREL = NONREL + 1;        /* COMP02 and COMP05 */
|          if TEN eq 'X' then COOWN = COOWN + 1;       /* COMP05 */
|          else if LODSTA eq 1 then NRLDGR = NRLDGR + 1;      /* COMP05 */
|          else if TEN ne 'X' and LODSTA ne 1 then do;
|             if AGE eq 0-17 then UNRLKID = UNRLKID + 1;      /* COMP05 */
|             else UNRLPER = UNRLPER + 1;       /* COMP05 */
|          end;
|          else if AGE eq 0-17 then UNRLKID = UNRLKID + 1;      /* COMP05 */
|          else UNRLPER = UNRLPER + 1;       /* COMP05 */
|       end;
|       if CURPER eq 2 and REL eq 2 then NREL2 = 'X';       /* COMP05 */
|       if CURPER eq 3-8 and (REL eq 2 or REL eq 32 or REL eq 34 or REL eq 36 or REL eq 38) then
|          NOREL3 = NOREL3 + 1;       /* COMP05 */
|       if FAMNUM ge 2 and FAMTYP eq 4 then SCNDRY = SCNDRY + 1;       /* COMP05 */
|    end;
|end;
|if STATUS eq 1 then do;
|    do I eq 1 to LAST.PERSON
|       if REL_(i) eq 1 then do;
|          if SPOS_(I) gt 0 do;
|             if PAR_(SPOS_(I)) gt 0 then do;
|                SPARNT = 'X';       /* COMP05 */
|                SPARNTLN = PAR_(SPOS_(i));       /* COMP05 */
|                if PAR_(SPARNTLN) gt 0 then SGRNDPA = 'X';       /* COMP05 */
|             end;
|          end;
|       end;
|    end;
|end;
|if (PARENT eq 'X' or SPARNT eq 'X') and HHLDKID gt 0 and REFPER eq 'X' then GEN3 = 'X';      /* COMP05 */
|if REFPER eq 'X' and HHLDKID gt 0 and GRANKID eq 'X' then GEN3 = 'X';      /* COMP05 */
|if REFPER eq 'X' and (PARENT eq 'X' or SPARNT eq 'X') and (GRANDPA eq 'X' or SGRNDPA eq 'X') then
|    GEN3 = 'X'       /* COMP05 */
|


COMP01        \
              \[B]Age of Householder
```

```
         \
         \Under 25 years                              \HHAGE = 0-24
         \25 to 29                                    \HHAGE = 25-29
         \30 to 34                                    \HHAGE = 30-34
         \35 to 44                                    \HHAGE = 35-44
         \45 to 54                                    \HHAGE = 45-54
         \55 to 64                                    \HHAGE = 55-64
         \65 to 74                                    \HHAGE = 65-74
         \75 years and over                           \HHAGE ge 75
         \[B]Median                                   \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8
~  RANGES=0,25,30,35,45,55,65,75,199;
*OVERRIDES=25,75;

COMP02       \
         \[B]Household Composition by Age of
         \ Householder
         \
         \2-or-more-person households                 \CURPER ge 2
         \  Married-couple families,
         \   no nonrelatives                          \HHMAR = 1 and NONREL = 0
         \     Under 25 years                         \HHAGE = 0-24
         \     25 to 29 years                         \HHAGE = 25-29
         \     30 to 34 years                         \HHAGE = 30-34
         \     35 to 44 years                         \HHAGE = 35-44
         \     45 to 64 years                         \HHAGE = 45-64
         \     65 years and over                      \HHAGE ge 65
         \   Other male householder                   \(HHMAR ne 1 and HHSEX = 1) or \
         \                                            \(HHMAR = 1 and NONREL ge 1 and HHSEX = 1)
         \     Under 45 years                         \HHAGE = 0-44
         \     45 to 64 years                         \HHAGE = 45-64
         \     65 years and over                      \HHAGE ge 65
         \   Other female householder                 \(HHMAR ne 1 and HHSEX = 2) or \
         \                                            \(HHMAR = 1 and NONREL ge 1 and HHSEX = 2)
         \     Under 45 years                         \HHAGE = 0-44
         \     45 to 64 years                         \HHAGE = 45-64
         \     65 years and over                      \HHAGE ge 65
         \1-person households                         \CURPER = 1
         \  Male householder                          \HHSEX = 1
         \     Under 45 years                         \HHAGE = 0-44
```

```
\       45 to 64 years                          \HHAGE = 45-64
\       65 years and over                       \HHAGE ge 65
\    Female householder                         \HHSEX = 2
\       Under 45 year                           \HHAGE = 0-44
\       45 to 64 years                          \HHAGE = 45-64
\       65 years and over                       \HHAGE ge 65


COMP03      \
            \[B]Adults and Single Children Under
            \ 18 Years Old
            \
            \Total households with children      \KID gt 0
            \   Married couples                  \HHMAR = 1
            \      One child under 6 only        \KIDU6 = 1 and KID = 1
            \      One under 6, one or more 6 to 17   \KIDU6 = 1 and KID617 ge 1
            \      Two or more under 6 only      \KIDU6 ge 2 and KID617 = 0
            \      Two or more under 6, one or more
            \       6 to 17                      \KIDU6 ge 2 and KID617 ge 1
            \      One or more 6 to 17 only      \KIDU6 = 0 and KID617 ge 1
            \   Other households with two or more
            \    adults                          \ZADULT ge 2 and HHMAR ne 1
            \      One child under 6 only        \KIDU6 = 1 and KID = 1
            \      One under 6, one or more 6 to 17   \KIDU6 = 1 and KID617 ge 1
            \      Two or more under 6 only      \KIDU6 ge 2 and KID617 = 0
            \      Two or more under 6, one or more
            \       6 to 17                      \KIDU6 ge 2 and KID617 ge 1
            \      One or more 6 to 17 only      \KIDU6 = 0 and KID617 ge 1
            \   Households with one adult or none    \ZADULT = 0-1 and HHMAR ne 1
            \      One child under 6 only        \KIDU6 = 1 and KID = 1
            \      One under 6, one or more 6 to 17   \KIDU6 = 1 and KID617 ge 1
            \      Two or more under 6 only      \KIDU6 ge 2 and KID617 = 0
            \      Two or more under 6, one or more
            \       6 to 17                      \KIDU6 ge 2 and KID617 ge 1
            \      One or more 6 to 17 only      \KIDU6 = 0 and KID617 ge 1
            \Total households with no children   \KID = 0
            \   Married couples                  \HHMAR = 1
            \   Other households with two or more
            \    adults                          \HHMAR ne 1 and ZADULT gt 1
            \   Households with one adult        \ZADULT = 0-1 and HHMAR ne 1


COMP04      \
```

```
            \[B]Number of Single Children Under 18
            \ Years Old
            \
            \None                                         \KID = 0
            \1                                            \KID = 1
            \2                                            \KID = 2
            \3                                            \KID = 3
            \4                                            \KID = 4
            \5                                            \KID = 5
            \6 or more                                    \KID ge 6

COMP05      \
            \[B]Persons Other Than Spouse or Children@1
            \
            \++         With other relatives              \OTHREL gt 0
            \Single adult offspring 18 to 29              \ADLTKD29 gt 0
            \Single adult offspring 30 years of age
            \ or over                                     \ADLTKD30 gt 0
            \Households with three generations            \GEN3 = "X"
            \Households with 1 subfamily                  \RELFAM = 1
            \  Subfamily householder age under 30         \RELHHAGE = 0-29
            \  30 to 64                                   \RELHHAGE = 30-64
            \  65 and over                                \RELHHAGE ge 65
            \Households with 2 or more subfamilies        \RELFAM ge 2
            \Households with other types of relatives     \RELOTH gt 0
            \++         With nonrelatives                 \NONREL gt 0
            \Co-owners or co-renters                      \COOWN gt 0
            \Lodgers                                      \NRLDGR gt 0
            \Unrelated children, under 18 years           \UNRLKID gt 0
            \Other nonrelatives                           \UNRLPER gt 0
            \One or more secondary families               \SCNDRY gt 0
            \2-person households, none related to
            \ each other                                  \NREL2 = "X"
            \3-to-8-person households, none related
            \ to each other                               \NREL3 = "X"
\[F]@1Figures may not add to total because more than one category may apply to a unit.

COND01      \--                                           \NUNIT2 = 1 or NUNIT2 = 2 or NUNIT2 = 4
            \
            \[B]External Building Conditions@31
            \
```

```
        \Sagging roof                                  \ESAGR = 1
        \Missing roofing material                      \EMISSR = 1
        \Hole in roof                                  \EHOLER = 1
        \Missing bricks, siding, or other outside
        \ wall material                                \EMISSW = 1
        \Sloping outside walls                         \ESLOPW = 1
        \Boarded up windows                            \EBOARD = 1
        \Broken windows                                \EBROKE = 1
        \Bars on windows                               \EBAR = 1
        \Foundation crumbling or has open crack
        \ or hole                                      \ECRUMB = 1
        \None of the above                             \EGOOD = 1
        \Not reported                                  \(ESAGR = "D" or ESAGR = "R" or ESAGR = " " ) and \
        \                                              \(EMISSR = "D" or EMISSR = "R" or EMISSR = " ") and \
        \                                              \(EHOLER = "D" or EHOLER = "R" or EHOLER = " ") and \
        \                                              \(EMISSW = "D" or EMISSW = "R" or EMISSW = " ") and \
        \                                              \(ESLOPW = "D" or ESLOPW = "R" or ESLOPW = " ") and \
        \                                              \(EBOARD = "D" or EBOARD = "R" or EBOARD = " ") and \
        \                                              \(EBROKE = "D" or EBROKE = "R" or EBROKE = " ") and \
        \                                              \(EBAR = "D" or EBAR = "R" or EBAR = " ") and \
        \                                              \(ECRUMB = "D" or ECRUMB = "R" or ECRUMB = " ") and \
        \                                              \(EGOOD ne 1)
\[F]@31Figures may not add to total because more than one category may apply to a unit.  Figures do not include
\[F] multiunit structures.


COOP01          \
                \[B]Cooperatives and Condominiums
                \
                \Cooperatives                          \CONDO = 1
                \Condominiums                          \CONDO = 2


|/* RECODE for CONFEET - COOP02 - Condominium/Homeowner's Assn/Mobile Home Monthly Fee  */
|
|If STATUS eq 1-3 then do;
|    If CONFEEQ eq . then CONFEET = .;
|    If CONFEEQ eq 0 then CONFEET = 0;
|    If CONFEEQ ge 1 then do;
|       CONFEETR = (CONFEEQ * CAMF) / 12;
|       CONFEET = round(CONFEETR,1);
|    end;
|end;
```

```
|

COOP02        \
              \[B]Condominium and Cooperative Fee
              \
              \++          Fee paid by owners                    \(STATUS = 1 and TENURE = 1 and \
              \                                                   \CONDO = 1-2 and NUNIT2 = 1-3) or \
              \                                                   \(STATUS = 3 and (VACANCY = 3 or VACANCY = 5) and \
              \                                                   \CONDO = 1-2 and NUNIT2 = 1-3)
              \Less than $25 per month                            \CONFEET = 0-24
              \$25 to $49                                         \CONFEET = 25-49
              \$50 to $74                                         \CONFEET = 50-74
              \$75 to $99                                         \CONFEET = 75-99
              \$100 to $149                                       \CONFEET = 100-149
              \$150 to $199                                       \CONFEET = 150-199
              \$200 or more per month                             \CONFEET ge 200
              \Not reported                                       \CONFEET = .B or CONFEET = .D or \
              \                                                   \CONFEET = .R or CONFEET = .
              \[B]Median                                          \
~TYP=50 ROW=10,10
~  CELLS=R2,R3,R4,R5,R6,R7,R8
~  RANGES=0,25,50,75,100,150,200,9998;
*OVERRIDES=25,200;

|/* RECODES for COST10 - COST13 - Monthly Housing Costs */
|
|/* RECODE for ZSMHCN - COST10 (Also used in BOX07) - Monthly Housing Costs without maintenance */
|if AMTXRE lt 0 then AMTXRE = 0;
|if CSTMNT lt 0 then CSTMNT = 0;
|if MHOTFE lt 0 then MHOTFE = 0;
|if STATUS eq 1 and TENURE eq 1-2 and PRENT ne 0 then do;
|    ZSMHCNR = 0;
|    if AMTE eq 1-998 then ZSMHCNR = ZSMHCNR + AMTE;
|    if AMTG eq 1-998 then ZSMHCNR = ZSMHCNR + AMTG;
|    if AMTO ge 4 then ZSMHCNR = ZSMHCNR + (AMTO / 12);
|    if AMTF ge 4 then ZSMHCNR = ZSMHCNR + (AMTF / 12);
|    if AMTT ge 4 then ZSMHCNR = ZSMHCNR + (AMTT / 12);
|    if AMTW ge 4 then ZSMHCNR = ZSMHCNR + (AMTW / 12);
|    if AMTXQ ge 0 and TAXPMT ne 1 and TXPMT2 ne 1 then ZSMHCNR = ZSMHCNR + ((AMTXQ - AMTXRE) / 12);
|    if AMTI ge 1 and INSPMT ne 1 and INPMT2 ne 1 then ZSMHCNR = ZSMHCNR + (AMTI / 12);
|    if CONFEEQ ge 1 then ZSMHCNR = ZSMHCNR + ((CONFEEQ * CAMF) / 12);
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|    if LRENT eq 1-1996 then ZSMHCNR = ZSMHCNR + ((LRENT * FLRENT) / 12);
|    if MHOTFE ge 1 then ZSMHCNR = ZSMHCNR + ((MHOTFE * FMHOTF) / 12);
|    if RENT ge 2 and PRENT ne 1-9997 then ZSMHCNR = ZSMHCNR + ((RENT * FRENT) / 12);
|    if PRENT ge 1 and FRENT ge 1 then ZSMHCNR = ZSMHCNR + ((PRENT * FRENT) / 12);
|    if PMT ge 1 then ZSMHCNR = ZSMHCNR + PMT;
|    if PMT2 ge 1 then ZSMHCNR = ZSMHCNR + PMT2;
|    if PMT3 ge 1 then ZSMHCNR = ZSMHCNR + PMT3;
|    if PMT4 ge 1 then ZSMHCNR = ZSMHCNR + PMT4;
|    if AMTM ge 1 then ZSMHCNR = ZSMHCNR - (AMTM / 12);
|    if AMTM2 ge 1 then ZSMHCNR = ZSMHCNR - (AMTM2 / 12);
|    if PMIAMT ge 1 then ZSMHCNR = ZSMHCNR - (PMIAMT / 12);
|    if PMAMT2 ge 1 then ZSMHCNR = ZSMHCNR - (PMAMT2 / 12);
|    ZSMHCN = round(ZSMHCNR,1);
|end;
|
|
|/* RECODE for ZSMHCM - COST12 and COST13 - Monthly Housing Costs With Maintenance */
|
|
|if STATUS eq 1 and TENURE eq 1 then do;
|    ZSMHCMR = 0;
|    if AMTE eq 1-998 then ZSMHCMR = ZSMHCMR + AMTE;
|    if AMTG eq 1-998 then ZSMHCMR = ZSMHCMR + AMTG;
|    if AMTO ge 4 then ZSMHCMR = ZSMHCMR + (AMTO / 12);
|    if AMTF ge 4 then ZSMHCMR = ZSMHCMR + (AMTF / 12);
|    if AMTT ge 4 then ZSMHCMR = ZSMHCMR + (AMTT / 12);
|    if AMTW ge 4 then ZSMHCMR = ZSMHCMR + (AMTW / 12);
|    if AMTXQ ge 0 and TAXPMT ne 1 and TXPMT2 ne 1 then ZSMHCMR = ZSMHCMR + ((AMTXQ - AMTXRE) / 12);
|    if AMTI ge 1 and INSPMT ne 1 and INPMT2 ne 1 then ZSMHCMR = ZSMHCMR + (AMTI / 12);
|    if CONFEEQ ge 1 then ZSMHCMR = ZSMHCMR + ((CONFEEQ * CAMF) / 12);
|    if LRENT eq 1-1996 then ZSMHCMR = ZSMHCMR + ((LRENT * FLRENT) / 12);
|    if MHOTFE ge 1 then ZSMHCMR = ZSMHCMR + ((MHOTFE * FMHOTF ) / 12);
|    if PMT ge 1 then ZSMHCMR = ZSMHCMR + PMT;
|    if PMT2 ge 1 then ZSMHCMR = ZSMHCMR + PMT2;
|    if PMT3 ge 1 then ZSMHCMR = ZSMHCMR + PMT3;
|    if PMT4 ge 1 then ZSMHCMR = ZSMHCMR + PMT4;
|    if AMTM ge 1 then ZSMHCMR = ZSMHCMR - (AMTM / 12);
|    if AMTM2 ge 1 then ZSMHCMR = ZSMHCMR - (AMTM2 / 12);
|    if PMIAMT ge 1 then ZSMHCMR = ZSMHCMR - (PMIAMT / 12);
|    if PMAMT2 ge 1 then ZSMHCMR = ZSMHCMR - (PMAMT2 / 12);
|    if (CSTMNT / 12) ge 1 then ZSMHCMR = ZSMHCMR + (CSTMNT / 12);
|    ZSMHCM = round(ZSMCHMR,1);
|end;
```

```
/* RECODE for ZSMHCO - COST12 and COST13 - Monthly Housing Costs No Maintenance */

if STATUS eq 1 and TENURE eq 1 then do;
    ZSMHCOR = 0;
    if AMTE eq 1-998 then ZSMHCOR = ZSMHCOR + AMTE;
    if AMTG eq 1-998 then ZSMHCOR = ZSMHCOR + AMTG;
    if AMTO ge 4 then ZSMHCOR = ZSMHCOR + (AMTO / 12);
    if AMTF ge 4 then ZSMHCOR = ZSMHCOR + (AMTF / 12);
    if AMTT ge 4 then ZSMHCOR = ZSMHCOR + (AMTT / 12);
    if AMTW ge 4 then ZSMHCOR = ZSMHCOR + (AMTW / 12);
    if AMTXQ ge 0 and TAXPMT ne 1 and TXPMT2 ne 1 then ZSMHCOR = ZSMHCOR + (AMTXQ - AMTXRE) / 12);
    if AMTI ge 1 and INSPMT ne 1 and INPMT2 ne 1 then ZSMHCOR = ZSMHCOR + (AMTI / 12);
    if CONFEEQ ge 1 then ZSMHCOR = ZSMHCOR + ((CONFEEQ * CAMF) / 12);
    if LRENT eq 1-1996 then ZSMHCOR = ZSMHCOR + ((LRENT * FLRENT) / 12);
    if MHOTFE ge 1 then ZSMHCOR = ZSMHCOR + ((MHOTFE * FMHOTF) / 12);
    if PMT ge 1 then ZSMHCOR = ZSMHCOR + PMT;
    if AMTM ge 1 then ZSMHCOR = ZSMHCOR - (AMTM / 12);
    if PMIAMT ge 1 then ZSMHCOR = ZSMHCOR - (PMIAMT / 12);
    ZSMHCO = round(ZSMHCOR,1);
end;

/* RECODE for ZSMHCV - COST11 - Monthly Housing Costs no Maintenace */

if STATUS eq 1 and TENURE eq 1-2 and PRENT ne 0 or (STATUS eq 3 and VACANCY eq 1-2 and RENT ne 1) then do;
    ZSMHCVR = 0;
    if AMTE eq 1-998 then ZSMHCVR = ZSMHCVR + AMTE;
    if AMTG eq 1-998 then ZSMHCVR = ZSMHCVR + AMTG;
    if AMTO ge 4 then ZSMHCVR = ZSMHCVR + (AMTO / 12);
    if AMTF ge 4 then ZSMHCVR = ZSMHCVR + (AMTF / 12);
    if AMTT ge 4 then ZSMHCVR = ZSMHCVR + (AMTT / 12);
    if AMTW ge 4 then ZSMHCVR = ZSMHCVR + (AMTW / 12);
    if AMTXQ ge 0 and TAXPMT ne 1 and TXPMT2 ne 1 then ZSMHCVR = ZSMHCVR + ((AMTXQ - AMTXRE) / 12);
    if AMTI ge 1 and INSPMT ne 1 and INPMT2 ne 1 then ZSMHCVR = ZSMHCVR + (AMTI / 12);
    if CONFEEQ ge 1 then ZSMHCVR = ZSMHCVR + ((CONFEEQ * CAMF) / 12);
    if LRENT eq 1-1996 then ZSMHCVR = ZSMHCVR + ((LRENT * FLRENT) / 12);
    if MHOTFE ge 1 then ZSMHCVR = ZSMHCVR + ((MHOTFE * FMHOTF) / 12);
    if TENURE eq 2 and RENT ge 1 and PRENT ne 1-9997 then ZSMHCVR = ZSMHCVR + ((RENT * FRENT) / 12);
    if VACANCY eq 1-2 and RENT ge 2 then ZSMHCVR = ZSMHCVR + ((RENT * FRENT) / 12);
    if PRENT ge 1 and FRENT ge 1 then ZSMHCVR = ZSMHCVR + ((PRENT * FRENT) / 12);
    if PMT ge 1 then ZSMHCVR = ZSMHCVR + PMT;
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```
|    if PMT2 ge 1 then ZSMHCVR = ZSMHCVR + PMT2;
|    if PMT3 ge 1 then ZSMHCVR = ZSMHCVR + PMT3;
|    if PMT4 ge 1 then ZSMHCVR = ZSMHCVR + PMT4;
|    if AMTM ge 1 then ZSMHCVR = ZSMHCVR - (AMTM / 12);
|    if AMTM2 ge 1 then ZSMHCVR = ZSMHCVR - (AMTM2 / 12);
|    if PMIAMT ge 1 then ZSMHCVR = ZSMHCVR - (PMIAMT / 12);
|    if PMAMT2 ge 1 then ZSMHCVR = ZSMHCVR - (PMAMT2 / 12);
|    ZSMHCV = round(ZSMHCVR,1);
|end;
|
|/* RECODE for ZSMHCP - COST03 - Monthly Housing Costs as a Percent of Income */
|
|if STATUS eq 1 and TENURE eq 1-2 and PRENT ne 0 then do;
|    ZSMHCPR = 0;
|    if ZINC ge 1 then ZSMHCPR = ((ZSMHCNR * 12) / ZINC) * 100;
|    else if ZINC lt 1 and ZINCN ge 1 then ZSMHCPR = ((ZSMHCNR * 12) / ZINCN) * 100;
|    else ZSMHCPR = .X;
|    ZSMHCP = round(ZSMHCPR,1);
|end;
|
|/* RECODE for LRNTMO - COST04 - Monthly Cost for Land Rent */
|
|If (INCS eq 1 and LANPMT eq 2) or (INCS eq 1 and MG eq 2) then do;
|    If FLRENT ge 0 and LRENT ge 0 then LRNTMOR = (FLRENT * LRENT) / 12;
|    else LRNTMOR = 0;
|    LRNTMO = round(LRNTMOR,1);
|end;
|
|/* RECODES for COST06 - Monthly Costs for water (AMTWMO), trash (AMTTMO),
|                        bottled gas (AMTGMO), and other fuel (AMTFMO) */
|
|if AMTW ge 4 then AMTWMOR = AMTW / 12;
|if AMTT ge 4 and BILLWT ne 'X' then AMTTMOR = AMTT / 12;
|if AMTG ge 1 and GASPIP eq 2 and BILLTG ne 'X' and BILLWG ne 'X' then AMTGMOR = AMTG;
|if AMTF ge 4 and BILLTF ne 'X' and BILLWF ne 'X' then AMTFMOR = AMTF / 12;
|AMTWMO = round(AMTWMOR,1);
|AMTTMO = round(AMTTMOR,1);
|AMTGMO = round(AMTGMOR,1);
|AMTFMO = round(AMTFMOR,1);
|
|/* RECODES for XUNITHH and XCOSTHH - COST07 - Change in Housing Cost */
```

```
|
|if STATUS eq 1 then do;
|    if MVG eq 1-4 then do;
|        if (MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM)) then do;
|            if REL eq 1-2 then do;
|                XCOSTHH = XCOST;
|                XUNITHH = XUNIT;
|            end;
|        end;
|    end;
|end;
|
```

```
COST03        \
              \[B]Monthly Housing Costs as Percent of
              \ Current Income@3
              \
              \Less than 5 percent                           \ZSMHCP = 0-4
              \5 to 9 percent                                \ZSMHCP = 5-9
              \10 to 14 percent                              \ZSMHCP = 10-14
              \15 to 19 percent                              \ZSMHCP = 15-19
              \20 to 24 percent                              \ZSMHCP = 20-24
              \25 to 29 percent                              \ZSMHCP = 25-29
              \30 to 34 percent                              \ZSMHCP = 30-34
              \35 to 39 percent                              \ZSMHCP = 35-39
              \40 to 49 percent                              \ZSMHCP = 40-49
              \50 to 59 percent                              \ZSMHCP = 50-59
              \60 to 69 percent                              \ZSMHCP = 60-69
              \70 to 99 percent                              \ZSMHCP = 70-99
              \100 percent or more@4                         \ZSMHCP ge 100
              \Zero or negative income                       \ZSMHCP = .X
              \No cash rent                                  \TENURE = 3 or (TENURE = 2 and PRENT = 0)
              \[B]Median (excludes 2 previous lines)         \
~TYP=50 ROW=16,16
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13
~  RANGES=0,5,10,15,20,25,30,35,40,50,60,70,100,9998;
*OVERRIDES=5,100;
              \[B]Median (excludes 3 lines before medians)   \
~TYP=50 ROW=17,17
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12
~  RANGES=0,5,10,15,20,25,30,35,40,50,60,70,100;
```

```
*OVERRIDES=5,70;
\[F]@3Beginning with 1989, this item uses current income in its calculation, see Appendix A.
\[F]@4May reflect a temporary situation, living off savings, or response error.


COST04      \--                                              \(STATUS = 1 and TENURE = 1-3 and PRENT ne 0) or \
            \                                                \(STATUS = 3 and VACANCY = 1-2)
            \
            \[B]Other Housing Costs per Month
            \
            \Homeowner association fee paid                  \CONDO = 3 and IFFEE = 1 and \
            \                                                \TENURE = 1 and NUNIT2 = 1-3
            \  [N]Less than $10                              \CONFEET = 1-9
            \  [N]$10 to $24                                 \CONFEET = 10-24
            \  [N]$25 to $49                                 \CONFEET = 25-49
            \  [N]$50 to $74                                 \CONFEET = 50-74
            \  [N]$75 to $99                                 \CONFEET = 75-99
            \  [N]$100 to $149                               \CONFEET = 100-149
            \  [N]$150 to $199                               \CONFEET = 150-199
            \  [N]$200 to $299                               \CONFEET = 200-299
            \  [N]$300 to $399                               \CONFEET = 300-399
            \  [N]$400 or more                               \CONFEET ge 400
            \  [B]Median                                     \
~TYP=50 ROW=12,12
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
~  RANGES=1,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;
            \Manufactured/mobile home park fee paid          \NUNIT2 = 4 and IFFEE = 1
            \  [N]Less than $10                              \CONFEET = 1-9
            \  [N]$10 to $24                                 \CONFEET = 10-24
            \  [N]$25 to $49                                 \CONFEET = 25-49
            \  [N]$50 to $74                                 \CONFEET = 50-74
            \  [N]$75 to $99                                 \CONFEET = 75-99
            \  [N]$100 to $149                               \CONFEET = 100-149
            \  [N]$150 to $199                               \CONFEET = 150-199
            \  [N]$200 to $299                               \CONFEET = 200-299
            \  [N]$300 to $399                               \CONFEET = 300-399
            \  [N]$400 or more                               \CONFEET ge 400
            \  [B]Median                                     \
~TYP=50 ROW=24,24
~  CELLS=R14,R15,R16,R17,R18,R19,R20,R21,R22,R23
~  RANGES=1,10,25,50,75,100,150,200,300,400,9998;
```

```
*OVERRIDES=10,400;
            \Land rent fee paid                                  \INCS = 1 and (LANPMT = 2 or MG = 2)
            \  [N]Less than $10                                  \LRNTMO = 1-9
            \  [N]$10 to $24                                     \LRNTMO = 10-24
            \  [N]$25 to $49                                     \LRNTMO = 25-49
            \  [N]$50 to $74                                     \LRNTMO = 50-74
            \  [N]$75 to $99                                     \LRNTMO = 75-99
            \  [N]$100 to $149                                   \LRNTMO = 100-149
            \  [N]$150 to $199                                   \LRNTMO = 150-199
            \  [N]$200 to $299                                   \LRNTMO = 200-299
            \  [N]$300 to $399                                   \LRNTMO = 300-399
            \  [N]$400 or more                                   \LRNTMO ge 400
            \  [B]Median                                         \
~TYP=50 ROW=36,36
~  CELLS=R26,R27,R28,R29,R30,R31,R32,R33,R34,R35
~  RANGES=1,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;

COST05      \
            \[B]Cost and Ownership Sharing
            \
            \Ownership shared by person not
            \ living here                                        \NROWNR = 1
            \  Costs shared by person not living here            \NRPAYM = 1
            \  Costs not shared                                  \NRPAYM = 2
            \  Cost sharing not reported                         \NRPAYM = "D" or NRPAYM = "R" or NRPAYM = " "
            \Ownership not shared                                \NROWNR = 2
            \  Costs shared by person not living here            \NRPAYM = 1
            \  Costs not shared                                  \NRPAYM = 2
            \  Cost sharing not reported                         \NRPAYM = "D" or NRPAYM = "R" or NRPAYM = " "
            \Ownership sharing not reported                      \NROWNR = "D" or NROWNR = "R" or NROWNR = " "

COST06      \
            \[B]Monthly Costs Paid for Selected
            \ Utilities and Fuels
            \
            \++Water paid separately                             \AMTW ge 4
            \[N]Less than $10                                    \AMTWMO = 1-9
            \[N]$10 to $24                                       \AMTWMO = 10-24
            \[N]$25 to $49                                       \AMTWMO = 25-49
            \[N]$50 to $74                                       \AMTWMO = 50-74
```

```
        \[N]$75 to $99                                    \AMTWMO = 75-99
        \[N]$100 to $149                                  \AMTWMO = 100-149
        \[N]$150 to $199                                  \AMTWMO = 150-199
        \[N]$200 to $299                                  \AMTWMO = 200-299
        \[N]$300 to $399                                  \AMTWMO = 300-399
        \[N]$400 or more                                  \AMTWMO ge 400
        \   [B]Median                                     \
~TYP=50 ROW=12,12
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
~  RANGES=1,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;
        \++Trash paid separately                          \AMTT ge 4 and BILLWT ne "X"
        \[N]Less than $10                                 \AMTTMO = 1-9
        \[N]$10 to $24                                    \AMTTMO = 10-24
        \[N]$25 to $49                                    \AMTTMO = 25-49
        \[N]$50 to $74                                    \AMTTMO = 50-74
        \[N]$75 to $99                                    \AMTTMO = 75-99
        \[N]$100 to $149                                  \AMTTMO = 100-149
        \[N]$150 to $199                                  \AMTTMO = 150-199
        \[N]$200 to $299                                  \AMTTMO = 200-299
        \[N]$300 to $399                                  \AMTTMO = 300-399
        \[N]$400 or more                                  \AMTTMO ge 400
        \   [B]Median                                     \
~TYP=50 ROW=24,24
~  CELLS=R14,R15,R16,R17,R18,R19,R20,R21,R22,R23
~  RANGES=1,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;
        \++Bottled gas paid separately                    \AMTG ge 1 and GASPIP = 2 and BILLTG ne "X" and \
        \                                                 \BILLWG ne "X"
        \[N]Less than $10                                 \AMTGMO = 1-9
        \[N]$10 to $24                                    \AMTGMO = 10-24
        \[N]$25 to $49                                    \AMTGMO = 25-49
        \[N]$50 to $74                                    \AMTGMO = 50-74
        \[N]$75 to $99                                    \AMTGMO = 75-99
        \[N]$100 to $149                                  \AMTGMO = 100-149
        \[N]$150 to $199                                  \AMTGMO = 150-199
        \[N]$200 to $299                                  \AMTGMO = 200-299
        \[N]$300 to $399                                  \AMTGMO = 300-399
        \[N]$400 or more                                  \AMTGMO ge 400
        \   [B]Median                                     \
~TYP=50 ROW=36,36
```

```
~   CELLS=R26,R27,R28,R29,R30,R31,R32,R33,R34,R35
~   RANGES=1,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;
            \++Other fuel paid separately             \AMTF ge 4 and BILLTF ne "X" and BILLWF ne "X"
            \[N]Less than $10                         \AMTFMO = 1-9
            \[N]$10 to $24                            \AMTFMO = 10-24
            \[N]$25 to $49                            \AMTFMO = 25-49
            \[N]$50 to $74                            \AMTFMO = 50-74
            \[N]$75 to $99                            \AMTFMO = 75-99
            \[N]$100 to $149                          \AMTFMO = 100-149
            \[N]$150 to $199                          \AMTFMO = 150-199
            \[N]$200 to $299                          \AMTFMO = 200-299
            \[N]$300 to $399                          \AMTFMO = 300-399
            \[N]$400 or more                          \AMTFMO ge 400
            \  [B]Median                              \
~TYP=50 ROW=48,48
~   CELLS=R38,R39,R40,R41,R42,R43,R44,R45,R46,R47
~   RANGES=1,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;

COST07      \
            \[B]Change in Housing Costs
            \
            \++        House, apartment,
            \         manufactured/mobile home in
            \         the United States               \XUNITHH = 1-3
            \Increased with move                       \XCOSTHH = 1
            \Decreased                                 \XCOSTHH = 2
            \Stayed about the same                     \XCOSTHH = 3
            \Don't know                                \XCOSTHH = "D" or XCOSTHH = 4
            \Not reported                              \XCOSTHH = "R" or XCOSTHH = " "

COST10      \
            \[B]Monthly Housing Costs
            \
            \Less than $100                            \ZSMHCN = 0-99
            \$100 to $199                             \ZSMHCN = 100-199
            \$200 to $249                             \ZSMHCN = 200-249
            \$250 to $299                             \ZSMHCN = 250-299
            \$300 to $349                             \ZSMHCN = 300-349
            \$350 to $399                             \ZSMHCN = 350-399
```

```
          \$400 to $449                                    \ZSMHCN = 400-449
          \$450 to $499                                    \ZSMHCN = 450-499
          \$500 to $599                                    \ZSMHCN = 500-599
          \$600 to $699                                    \ZSMHCN = 600-699
          \$700 to $799                                    \ZSMHCN = 700-799
          \$800 to $999                                    \ZSMHCN = 800-999
          \$1,000 to $1,249                                \ZSMHCN = 1000-1249
          \$1,250 to $1,499                                \ZSMHCN = 1250-1499
          \$1,500 to $1,999                                \ZSMHCN = 1500-1999
          \$2,000 to $2,499                                \ZSMHCN = 2000-2499
          \$2,500 or more                                  \ZSMHCN ge 2500
          \No cash rent                                    \TENURE = 3 or (TENURE = 2 and PRENT = 0)
          \[B]Median (excludes no cash rent)               \
~TYP=50 ROW=19,19
~   CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~   RANGES=0,100,200,250,300,350,400,450,500,600
~   CELLS=R10,R11,R12,R13,R14,R15,R16,R17
~   RANGES=700,800,1000,1250,1500,2000,2500,99998;
*OVERRIDES=100,2500;

COST11      \--                                           \(STATUS = 1 and TENURE = 1-3) or \
            \                                             \(STATUS = 3 and VACANCY = 1-2)
            \
            \[B]Monthly Housing Costs@2
            \
            \Less than $100                               \ZSMHCV = 0-99
            \$100 to $199                                 \ZSMHCV = 100-199
            \$200 to $249                                 \ZSMHCV = 200-249
            \$250 to $299                                 \ZSMHCV = 250-299
            \$300 to $349                                 \ZSMHCV = 300-349
            \$350 to $399                                 \ZSMHCV = 350-399
            \$400 to $449                                 \ZSMHCV = 400-449
            \$450 to $499                                 \ZSMHCV = 450-499
            \$500 to $599                                 \ZSMHCV = 500-599
            \$600 to $699                                 \ZSMHCV = 600-699
            \$700 to $799                                 \ZSMHCV = 700-799
            \$800 to $999                                 \ZSMHCV = 800-999
            \$1,000 to $1,249                             \ZSMHCV = 1000-1249
            \$1,250 to $1,499                             \ZSMHCV = 1250-1499
            \$1,500 to $1,999                             \ZSMHCV = 1500-1999
            \$2,000 to $2,499                             \ZSMHCV = 2000-2499
```

```
        \$2,500 or more                                \ZSMHCV ge 2500
        \Depends on occupant's income                  \RENT = 1 and VACANCY = 1-2
        \No cash rent                                  \TENURE = 3 or (TENURE = 2 and PRENT = 0)
        \[B]Median (excludes no cash rent)             \
~TYP=50 ROW=20,20
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~  RANGES=0,100,200,250,300,350,400,450,500,600
~  CELLS=R10,R11,R12,R13,R14,R15,R16,R17
~  RANGES=700,800,1000,1250,1500,2000,2500,99998;
*OVERRIDES=100,2500;
\[F]@2Rent asked for vacant units.

COST12          \
        \[N]Less than $100                             \ZSMHCM = 0-99
        \[N]$100 to $199                               \ZSMHCM = 100-199
        \[N]$200 to $249                               \ZSMHCM = 200-249
        \[N]$250 to $299                               \ZSMHCM = 250-299
        \[N]$300 to $349                               \ZSMHCM = 300-349
        \[N]$350 to $399                               \ZSMHCM = 350-399
        \[N]$400 to $449                               \ZSMHCM = 400-449
        \[N]$450 to $499                               \ZSMHCM = 450-499
        \[N]$500 to $599                               \ZSMHCM = 500-599
        \[N]$600 to $699                               \ZSMHCM = 600-699
        \[N]$700 to $799                               \ZSMHCM = 700-799
        \[N]$800 to $999                               \ZSMHCM = 800-999
        \[N]$1,000 to $1,249                           \ZSMHCM = 1000-1249
        \[N]$1,250 to $1,499                           \ZSMHCM = 1250-1499
        \[N]$1,500 to $1,999                           \ZSMHCM = 1500-1999
        \[N]$2,000 to $2,499                           \ZSMHCM = 2000-2499
        \[N]$2,500 or more                             \ZSMHCM ge 2500
        \
        \[B]Median Monthly Housing Costs for
        \ Owners
        \
        \[B]Monthly costs including all mortgages
        \ plus maintenance costs                       \
~TYP=50 ROW=18,18
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~  RANGES=0,100,200,250,300,350,400,450,500,600
~  CELLS=R10,R11,R12,R13,R14,R15,R16,R17
~  RANGES=700,800,1000,1250,1500,2000,2500,99998;
```

```
*OVERRIDES=100,2500;
            \[N]Less than $100                           \ZSMHCO = 0-99
            \[N]$100 to $199                             \ZSMHCO = 100-199
            \[N]$200 to $249                             \ZSMHCO = 200-249
            \[N]$250 to $299                             \ZSMHCO = 250-299
            \[N]$300 to $349                             \ZSMHCO = 300-349
            \[N]$350 to $399                             \ZSMHCO = 350-399
            \[N]$400 to $449                             \ZSMHCO = 400-449
            \[N]$450 to $499                             \ZSMHCO = 450-499
            \[N]$500 to $599                             \ZSMHCO = 500-599
            \[N]$600 to $699                             \ZSMHCO = 600-699
            \[N]$700 to $799                             \ZSMHCO = 700-799
            \[N]$800 to $999                             \ZSMHCO = 800-999
            \[N]$1,000 to $1,249                         \ZSMHCO = 1000-1249
            \[N]$1,250 to $1,499                         \ZSMHCO = 1250-1499
            \[N]$1,500 to $1,999                         \ZSMHCO = 1500-1999
            \[N]$2,000 to $2,499                         \ZSMHCO = 2000-2499
            \[N]$2,500 or more                           \ZSMHCO ge 2500
            \[B]Monthly costs excluding second and
            \ subsequent mortgages and maintenance
            \ costs                                      \
~TYP=50 ROW=36,36
~   CELLS=R19,R20,R21,R22,R23,R24,R25,R26,R27
~   RANGES=0,100,200,250,300,350,400,450,500,600
~   CELLS=R28,R29,R30,R31,R32,R33,R34,R35
~   RANGES=700,800,1000,1250,1500,2000,2500,99998;
*OVERRIDES=100,2500;

COST13      \--                                          \STATUS = 1 and TENURE = 1
            \
            \[N]Less than $100                           \ZSMHCM = 0-99
            \[N]$100 to $199                             \ZSMHCM = 100-199
            \[N]$200 to $249                             \ZSMHCM = 200-249
            \[N]$250 to $299                             \ZSMHCM = 250-299
            \[N]$300 to $349                             \ZSMHCM = 300-349
            \[N]$350 to $399                             \ZSMHCM = 350-399
            \[N]$400 to $449                             \ZSMHCM = 400-449
            \[N]$450 to $499                             \ZSMHCM = 450-499
            \[N]$500 to $599                             \ZSMHCM = 500-599
            \[N]$600 to $699                             \ZSMHCM = 600-699
            \[N]$700 to $799                             \ZSMHCM = 700-799
```

```
          \[N]$800 to $999                             \ZSMHCM = 800-999
          \[N]$1,000 to $1,249                         \ZSMHCM = 1000-1249
          \[N]$1,250 to $1,499                         \ZSMHCM = 1250-1499
          \[N]$1,500 to $1,999                         \ZSMHCM = 1500-1999
          \[N]$2,000 to $2,499                         \ZSMHCM = 2000-2499
          \[N]$2,500 or more                           \ZSMHCM ge 2500
          \
          \[B]Median Monthly Housing Costs for
          \ Owners
          \
          \[B]Monthly costs including all mortgages
          \ plus maintenance costs                     \
~TYP=50 ROW=18,18
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~  RANGES=0,100,200,250,300,350,400,450,500,600
~  CELLS=R10,R11,R12,R13,R14,R15,R16,R17
~  RANGES=700,800,1000,1250,1500,2000,2500,99998;
*OVERRIDES=100,2500;
          \[N]Less than $100                           \ZSMHCO = 0-99
          \[N]$100 to $199                             \ZSMHCO = 100-199
          \[N]$200 to $249                             \ZSMHCO = 200-249
          \[N]$250 to $299                             \ZSMHCO = 250-299
          \[N]$300 to $349                             \ZSMHCO = 300-349
          \[N]$350 to $399                             \ZSMHCO = 350-399
          \[N]$400 to $449                             \ZSMHCO = 400-449
          \[N]$450 to $499                             \ZSMHCO = 450-499
          \[N]$500 to $599                             \ZSMHCO = 500-599
          \[N]$600 to $699                             \ZSMHCO = 600-699
          \[N]$700 to $799                             \ZSMHCO = 700-799
          \[N]$800 to $999                             \ZSMHCO = 800-999
          \[N]$1,000 to $1,249                         \ZSMHCO = 1000-1249
          \[N]$1,250 to $1,499                         \ZSMHCO = 1250-1499
          \[N]$1,500 to $1,999                         \ZSMHCO = 1500-1999
          \[N]$2,000 to $2,499                         \ZSMHCO = 2000-2499
          \[N]$2,500 or more                           \ZSMHCO ge 2500
          \[B]Monthly costs excluding second and
          \ subsequent mortgages and maintenance
          \ costs                                      \
~TYP=50 ROW=36,36
~  CELLS=R19,R20,R21,R22,R23,R24,R25,R26,R27
~  RANGES=0,100,200,250,300,350,400,450,500,600
```

```
~   CELLS=R28,R29,R30,R31,R32,R33,R34,R35
~   RANGES=700,800,1000,1250,1500,2000,2500,99998;
*OVERRIDES=100,2500;


DISP01          \
                \[B]Means of Sewage Disposal
                \
                \Public sewer                                  \PUBSEW = 1 or SEWDUS = 3
                \Septic tank, cesspool, or chemical
                \ toilet                                       \(SEWDIS = 1 and SEWDUS = 1-2) or SEWDIS= 2
                \Other                                         \SEWDIS = 3-5


DISP02          \
                \[B]Sewage Disposal Breakdowns
                \
                \++        With public sewer                   \PUBSEW = 1 or SEWDUS = 3
                \No breakdowns in last 3 months                \IFSEW = 2
                \With breakdowns in last 3 months              \IFSEW = 1
                \  No breakdowns lasting 6 hours or more       \NUMSEW = 0
                \  1 time lasting 6 hours or more              \NUMSEW = 1
                \  2 times                                     \NUMSEW = 2
                \  3 times                                     \NUMSEW = 3
                \  4 times or more                             \NUMSEW = 4-8
                \
                \++        With septic tank or cesspool        \SEWDUS = 1-2
                \No breakdowns in last 3 months                \IFSEW = 2
                \With breakdowns in last 3 months              \IFSEW = 1
                \  No breakdowns lasting 6 hours or more       \NUMSEW = 0
                \  1 time lasting 6 hours or more              \NUMSEW = 1
                \  2 times                                     \NUMSEW = 2
                \  3 times                                     \NUMSEW = 3
                \  4 times or more                             \NUMSEW = 4-8


DOPA01          \
                \[B]Major Source of Down Payment
                \
                \++        Home purchased or built             \CUSHOM = 1-4 or PREOCC = 2
                \Sale of previous home                         \DWNPAY = 1
                \Savings or cash on hand                       \DWNPAY = 2
                \Sale of other investment                      \DWNPAY = 3
                \Borrowing, other than mortgage on this
```

```
            \ property                                        \DWNPAY = 4
            \Inheritance or gift                              \DWNPAY = 5
            \Land where building built used for
            \ financing                                       \DWNPAY = 6
            \Other                                            \DWNPAY = 7
            \No down payment                                  \DWNPAY = 8
            \Not reported                                     \DWNPAY = "D" or DWNPAY = "R" or DWNPAY = " "

DVAC01      \
            \[B]Duration of Vacancy
            \
            \++         Vacant units                          \STATUS = 3
            \Less than 1 month vacant                         \MOVAC = 0
            \1 month up to 2 months                           \MOVAC = 1
            \2 months up to 6 months                          \MOVAC = 2-5
            \6 months up to 1 year                            \MOVAC = 6-11
            \1 year up to 2 years                             \MOVAC = 12-23
            \2 years or more                                  \MOVAC = 24-25
            \Never occupied                                   \MOVAC = 26
            \Don't know                                       \MOVAC = .D or MOVAC = .R

|/* RECODE for PCTDWN - DWNPMT01 - Down Payment */
|
|if STATUS = 1 and  TENURE = 1 and (CUSHOM = 1-4 or PREOCC = 2) and DWNPAY = 1-7 then
|    do;
|        if 1 <= TPRICE <= 9999998 and 1 <= DWNDLR <= 9999998 then PCTDWNR = (DWNDLR / TPRICE) * 100;
|        else if DWNDLR = .D or DWNDLR = .R then PCTDWNR = .D;
|        else if DWNDLR = . then PCTDWNR = .D;
|        else if TPRICE = .D and (1 <= DWNDLR <= 9999998 or DWNDLR = .D or DWNDLR = .R or DWNDLR = .) then
|                PCTDWNR = .D;
|    end;
|    if PCTDWNR gt 100 then PCTDWNR = 100;
|    PCTDWN = round(PCTDWNR,1);
|    if PCTDWN eq . then PCTDWN = PCTDWNR
|    if PCTDWN gt 100 then PCTDWN = 100;
|

DWNPMT01    \
            \[B]Down Payment
            \
            \++         Home purchased or built               \CUSHOM = 1-4 or PREOCC = 2
```

```
            \Percent of purchase price
            \  No down payment                                    \DWNPAY = 8
            \  Less than 3 percent                                \PCTDWN = 0-2 or DWNPCT = 1-2
            \  3-5 percent                                        \PCTDWN = 3-5 or DWNPCT = 3-5
            \  6-10 percent                                       \PCTDWN = 6-10 or DWNPCT = 6-10
            \  11-15 percent                                      \PCTDWN = 11-15 or DWNPCT = 11-15
            \  16-20 percent                                      \PCTDWN = 16-20 or DWNPCT = 16-20
            \  21-40 percent                                      \PCTDWN = 21-40 or DWNPCT = 21-40
            \  41-99 percent                                      \PCTDWN = 41-99 or DWNPCT = 41-99
            \  Bought outright                                    \PCTDWN = 100 or DWNPCT = 100
            \  Not reported                                       \PCTDWN = .D or DWNPCT = .D or DWNPCT = .R or \
            \                                                     \DWNPAY = "D" or DWNPAY = "R" or DWNPAY = " " or \
            \                                                     \(DWNPAY = 1 and DWNPCT = .)

|/* RECODES for HHGRAD and HHREL - EDUC01 - Education of the Householder */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if REL eq 1-2 then do;
|            HHGRAD = GRAD;
|            HHREL = REL;
|        end;
|    end;
|end;
|

EDUC01      \++[N]Non-Display row used for calculations      \HHREL = 1-2
            \
            \[B]Educational Attainment of the
            \ Householder
            \
            \Less than 9th grade                             \HHGRAD = 31-34 or HHGRAD = .B
            \9th to 12th grade, no diploma                   \HHGRAD = 35-38
            \High school graduate
            \ (includes equivalency)                         \HHGRAD = 39 or HHGRAD = 41
            \  Additional vocational training                \HHGRAD = 41
            \Some college, no degree                         \HHGRAD = 40
            \Associate's degree                              \HHGRAD = 42-43
            \Bachelor's degree                               \HHGRAD = 44
            \Graduate or professional degree                 \HHGRAD = 45-47
!8.1!       \Percent high school graduate or higher          \((CELL(-1) + CELL(-2) + CELL(-3) + \
```

```
              \                                      \CELL(-4) + CELL(-6)) / CELL(-9)) * 100
!8.1!         \Percent bachelor's degree or higher   \((CELL(-2) + CELL(-3)) / CELL(-10)) * 100


ELEC01        \
              \[B]Electric Fuses and Circuit Breakers
              \
              \++        With electrical wiring      \NOWIRE = 1-2
              \No fuses or breakers blown in last
              \ 3 months                             \IFBLOW = 2
              \With fuses or breakers blown in last
              \ 3 months                             \IFBLOW = 1
              \  1 time                              \NUMBLOW = 1
              \  2 times                             \NUMBLOW = 2
              \  3 times                             \NUMBLOW = 3
              \  4 times or more                     \NUMBLOW = 4-8
              \  Number of times not reported        \NUMBLOW = "D" or NUMBLOW = "R" or NUMBLOW = " "
              \Problem not reported or don't know    \IFBLOW = "D" or IFBLOW = "R" or IFBLOW = " "


ELEV01        \
              \[B]Elevator on Floor
              \
              \++        Multiunits, 2 or more floors \NUNIT2 = 3 and FLOORS = 2-21
              \With 1 or more elevators working      \ELEV = 2
              \With elevator, none in working condition \ELEV = 3
              \No elevator                           \ELEV = 1
              \  Units, 3 or more floors from main
              \   entrance                           \CLIMB = 3-21

|/* RECODE for KITCHEN - EQUP01 - Complete Kitchen Facilities */
|
|if STATUS eq 1-3 then do;
|    if ((NUNIT2 eq 1-2 or NUNIT2 eq 4) and SINK eq 1 and REFR eq 1 and (COOK eq 1 or BURNER eq 1 or OVEN eq 1)) or
|       (NUNIT2 eq 3 and KEXCLU eq 1 and SINK eq 1 and REFR eq 1 and (COOK eq 1 or BURNER eq 1 or OVEN eq 1)) then
|       KITCHEN = 1;
|    if SINK eq 2 or REFR eq 2 or (COOK eq 2 and BURNER eq 2 and OVEN eq 2) or (NUNIT2 eq 3 and (KEXCLU eq 2)) then
|       KITCHEN = 2;
|end;
|

EQUP01        \
              \[B]Equipment@1
```

```
           \
           \Lacking complete kitchen facilities              \KITCHEN = 2
           \With complete kitchen (sink,
           \ refrigerator, and oven or burners)              \KITCHEN = 1
           \Kitchen sink                                     \SINK = 1
           \Refrigerator                                     \REFR = 1
           \Cooking stove or range                           \COOK = 1
           \Burners, no stove or range                       \BURNER = 1
           \Microwave oven only                              \OVEN = 1
           \Dishwasher                                       \DISH = 1
           \Washing machine                                  \WASH = 1
           \Clothes dryer                                    \DRY = 1
           \Disposal in kitchen sink                         \DISPL = 1
           \Trash compactor                                  \TRASH = 1
           \
           \Air conditioning@28:
           \  Central                                        \AIRSYS = 1
           \    Additional central                           \OARSYS = 1
           \  1 room unit                                    \NUMAIR = 1 and AIRSYS = 2
           \  2 room units                                   \NUMAIR = 2 and AIRSYS = 2
           \  3 room units or more                           \NUMAIR = 3-8 and AIRSYS = 2
\[F]@1Figures may not add to total because more than one category may apply to a unit.
\[F]@28Includes only those who responded they had some type of air conditioning.


FCST01     \
           \[B]Monthly Cost Paid for Electricity
           \
           \++        Electricity used                       \BUYE ne 1
           \Less than $25                                    \AMTE = 1-24 and \
           \                                                 \BILLGE ne "X" and BILLOE ne "X" and \
           \                                                 \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
           \$25 to $49                                       \AMTE = 25-49 and \
           \                                                 \BILLGE ne "X" and BILLOE ne "X" and \
           \                                                 \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
           \$50 to $74                                       \AMTE = 50-74 and \
           \                                                 \BILLGE ne "X" and BILLOE ne "X" and \
           \                                                 \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
           \$75 to $99                                       \AMTE = 75-99 and \
           \                                                 \BILLGE ne "X" and BILLOE ne "X" and \
           \                                                 \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
           \$100 to $149                                     \AMTE = 100-149 and \
```

```
            \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$150 to $199                                      \AMTE = 150-199 and \
            \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$200 or more                                      \AMTE ge 200 and \
            \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \[B]Median                                         \
~TYP=50 ROW=9,9
~  CELLS=R2,R3,R4,R5,R6,R7,R8
~  RANGES=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
            \Included in rent, other fee,
            \ or obtained free                                \BUYE = 2-3 or BILLGE = "X" or BILLOE = "X" or \
            \                                                  \BILLFE = "X" or BILLTE = "X" or BILLWE = "X"


FCST02      \
            \[B]Monthly Cost Paid for Piped Gas
            \
            \++        Piped gas used                         \BUYG ne 1 and GASPIP = 1
            \Less than $25                                    \AMTG = 1-24 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
            \                                                  \BILLTG ne "X" and BILLWG ne "X"
            \$25 to $49                                       \AMTG = 25-49 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
            \                                                  \BILLTG ne "X" and BILLWG ne "X"
            \$50 to $74                                       \AMTG = 50-74 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
            \                                                  \BILLTG ne "X" and BILLWG ne "X"
            \$75 to $99                                       \AMTG = 75-99 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
            \                                                  \BILLTG ne "X" and BILLWG ne "X"
            \$100 to $149                                     \AMTG = 100-149 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
            \                                                  \BILLTG ne "X" and BILLWG ne "X"
            \$150 to $199                                     \AMTG = 150-199 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
            \                                                  \BILLTG ne "X" and BILLWG ne "X"
            \$200 or more                                     \AMTG ge 200 and \
            \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
```

```
            \                                                 \BILLTG ne "X" and BILLWG ne "X"
            \[B]Median                                        \
~TYP=50 ROW=9,9
~  CELLS=R2,R3,R4,R5,R6,R7,R8
~  RANGES=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
            \Included in rent, other fee,
            \ or obtained free                                \BUYG = 2-3 or BILLGE = "X" or BILLOG = "X" or \
            \                                                 \BILLFG = "X" or BILLTG = "X" or BILLWG = "X" or \
            \                                                 \BILLGO = "X" or BILLGF = "X" or BILLGT = "X" or \
            \                                                 \BILLGW = "X"

|/* RECODE for AMTOMO - FCST03 - Monthly Cost for Fuel */
|
|if STATUS eq 1 and BUYO ne 1-3 then do;
|    AMTOMOR = AMTO / 12;
|    AMTOMO = round(AMTOMOR,1);
|end;
|


FCST03      \
            \[B]Average Monthly Cost Paid for Fuel Oil
            \
            \++        Fuel oil used                         \BUYO ne 1
            \Less than $25                                   \AMTOMO = 1-24 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \$25 to $49                                      \AMTOMO = 25-49 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \$50 to $74                                      \AMTOMO = 50-74 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \$75 to $99                                      \AMTOMO = 75-99 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \$100 to $149                                    \AMTOMO = 100-149 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \$150 to $199                                    \AMTOMO = 150-199 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \$200 or more                                    \AMTOMO ge 200 and BILLGO ne "X" and \
            \                                                 \BILLFO ne "X" and BILLTO ne "X" and BILLWO ne "X"
            \[B]Median                                        \
~TYP=50 ROW=9,9
~  CELLS=R2,R3,R4,R5,R6,R7,R8
```

```
~   RANGES=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
            \Included in rent, other fee,
            \ or obtained free                                       \BUYO = 2-3 or BILLOE = "X" or BILLOG = "X" or \
            \                                                        \BILLFO = "X" or BILLTO = "X" or BILLWO = "X" or \
            \                                                        \BILLGO = "X" or BILLOF = "X" or BILLOT = "X" or \
            \                                                        \BILLOW = "X"


FCST04      \
            \[B]Monthly Cost Paid for Electricity
            \
            \++        Total used                                    \BUYE ne 1
            \Less than $25                                           \AMTE = 1-24 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$25 to $49                                              \AMTE = 25-49 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$50 to $74                                              \AMTE = 50-74 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$75 to $99                                              \AMTE = 75-99 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$100 to $149                                            \AMTE = 100-149 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$150 to $199                                            \AMTE = 150-199 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \$200 or more                                            \AMTE ge 200 and \
            \                                                        \BILLGE ne "X" and BILLOE ne "X" and \
            \                                                        \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
            \[B]Median                                               \
~TYP=50 ROW=9,9
~   CELLS=R2,R3,R4,R5,R6,R7,R8
~   RANGES=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
            \Included in rent, other fee,
            \ or obtained free                                       \BUYE = 2-3 or BILLGE = "X" or BILLOE = "X" or \
            \                                                        \BILLFE = "X" or BILLTE = "X" or BILLWE = "X"
```

```
          \
          \++          Main heating fuel                    \BUYE ne 1 and HFUEL = 1
          \Less than $25                                     \AMTE = 1-24 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \$25 to $49                                        \AMTE = 25-49 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \$50 to $74                                        \AMTE = 50-74 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \$75 to $99                                        \AMTE = 75-99 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \$100 to $149                                      \AMTE = 100-149 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \$150 to $199                                      \AMTE = 150-199 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \$200 or more                                      \AMTE ge 200 and \
          \                                                  \BILLGE ne "X" and BILLOE ne "X" and \
          \                                                  \BILLFE ne "X" and BILLTE ne "X" and BILLWE ne "X"
          \[B]Median                                         \
~TYP=50 ROW=19,19
~  CELLS=R12,R13,R14,R15,R16,R17,R18
~  RANGES=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
          \Included in rent, other fee,
          \ or obtained free                                 \BUYE = 2-3 or BILLGE = "X" or BILLOE = "X" or \
          \                                                  \BILLFE = "X" or BILLTE = "X" or BILLWE = "X"

FCST05    \
          \[B]Monthly Cost Paid for Piped Gas
          \
          \++          Piped gas used                        \BUYG ne 1 and GASPIP = 1
          \Less than $25                                     \AMTG = 1-24 and \
          \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
          \                                                  \BILLTG ne "X" and BILLWG ne "X"
          \$25 to $49                                        \AMTG = 25-49 and \
          \                                                  \BILLOG ne "X" and BILLFG ne "X" and \
```

```
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$50 to $74                                    \AMTG = 50-74 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLFG ne "X" and BILLTG ne "X" and BILLWG ne "X"
        \$75 to $99                                    \AMTG = 75-99 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$100 to $149                                  \AMTG = 100-149 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$150 to $199                                  \AMTG = 150-199 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$200 or more                                  \AMTG ge 200 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \[B]Median                                     \
~TYP=50 ROW=9,9
~  CELLS=R2,R3,R4,R5,R6,R7,R8
~  RANGES=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
        \Included in rent, other fee,
        \ or obtained free                             \BUYG = 2-3 or BILLGE = "X" or BILLOG = "X" or \
        \                                              \BILLFG = "X" or BILLTG = "X" or BILLWG = "X" or \
        \                                              \BILLGO = "X" or BILLGF = "X" or BILLGT = "X" or \
        \                                              \BILLGW = "X"
        \
        \++        Main heating fuel                   \BUYG ne 1 and GASPIP = 1 and HFUEL = 2
        \Less than $25                                 \AMTG = 1-24 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$25 to $49                                    \AMTG = 25-49 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$50 to $74                                    \AMTG = 50-74 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$75 to $99                                    \AMTG = 75-99 and \
        \                                              \BILLOG ne "X" and BILLFG ne "X" and \
        \                                              \BILLTG ne "X" and BILLWG ne "X"
        \$100 to $149                                  \AMTG = 100-149 and \
```

```
            \                                       \BILLOG ne "X" and BILLFG ne "X" and \
            \                                       \BILLTG ne "X" and BILLWG ne "X"
            \$150 to $199                           \AMTG = 150-199 and \
            \                                       \BILLOG ne "X" and BILLFG ne "X" and \
            \                                       \BILLTG ne "X" and BILLWG ne "X"
            \$200 or more                           \AMTG ge 200 and \
            \                                       \BILLOG ne "X" and BILLFG ne "X" and \
            \                                       \BILLTG ne "X" and BILLWG ne "X"
            \[B]Median                              \
~TYP=50 ROW=19,19
~  CELLS=R12,R13,R14,R15,R16,R17,R18
~  RANGE=1,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
            \Included in rent, other fee,
            \ or obtained free                      \BUYG = 2-3 or BILLGE = "X" or BILLOG = "X" or \
            \                                       \BILLFG = "X" or BILLTG = "X" or BILLWG = "X" or \
            \                                       \BILLGO = "X" or BILLGF = "X" or BILLGT = "X" or \
            \                                       \BILLGW = "X"


FOOD01      \
            \[B]Food Stamps
            \
            \++         Income of $25,000 or less   \-9999999 le ZINC le 25000
            \Family members received food stamps    \QFS1 = 1
            \Did not receive food stamps            \QFS1 = 2
            \Not reported                           \QFS1 = "D" or QFS1 = "R" or \
            \                                       \QFS1 = "B" or QFS1 = " "


FOUN01      \
            \[B]Foundation
            \
            \++         1-unit building, excluding
            \          manufactured/mobile homes    \NUNIT2 = 1-2
            \With basement under all of building    \CELLAR = 1
            \With basement under part of building   \CELLAR = 2
            \With crawl space                       \CELLAR = 3
            \On concrete slab                       \CELLAR = 4
            \Other                                  \CELLAR = 5


FOUN02      \
            \[B]Manufactured/Mobile Home Tiedowns
```

```
           \
           \++          Manufactured/mobile homes          \NUNIT2 = 4
           \Anchored by tiedowns, bolts, or other
           \ means                                         \ANCHOR = 1
           \Not anchored                                   \ANCHOR = 2
           \Anchoring not reported                         \ANCHOR = "D" or ANCHOR = "R" or ANCHOR = " "

FOUN03     \
           \[B]Manufactured/Mobile Home Setup
           \
           \++          Manufactured/mobile homes          \NUNIT2 = 4
           \Set on permanent masonry foundation            \MHSETQ = 1
           \Resting on concrete pad                        \MHSETQ = 2
           \Up on blocks, but not on concrete pad          \MHSETQ = 3
           \Setup in some other way                        \MHSETQ = 4
           \Setup not reported                             \MHSETQ = "D" or MHSETQ = "R" or MHSETQ = " "

FUEL01     \
           \[B]Main House Heating Fuel
           \
           \++          Housing units with heating fuel    \HFUEL = 1-8
           \Electricity                                    \HFUEL = 1
           \Piped gas                                      \HFUEL = 2 and GASPIP = 1
           \Bottled gas                                    \HFUEL = 2 and GASPIP = 2
           \Fuel oil                                       \HFUEL = 3
           \Kerosene or other liquid fuel                  \HFUEL = 4
           \Coal or coke                                   \HFUEL = 5
           \Wood                                           \HFUEL = 6
           \Solar energy                                   \HFUEL = 7
           \Other                                          \HFUEL = 8

FUEL03     \
           \[B]Cooking Fuel
           \
           \++          With cooking fuel                  \CFUEL = 1-6
           \Electricity                                    \CFUEL = 1
           \Piped gas                                      \CFUEL = 2 and GASPIP = 1
           \Bottled gas                                    \CFUEL = 2 and GASPIP = 2
           \Kerosene or other liquid fuel                  \CFUEL = 3
           \Coal or coke                                   \CFUEL = 4
           \Wood                                           \CFUEL = 5
```

```
            \Other                                       \CFUEL = 6


FUEL04      \
            \[B]Water Heating Fuel
            \
            \++         With hot piped water             \HOTPIP = 1
            \Electricity                                 \WFUEL = 1
            \Piped gas                                   \WFUEL = 2 and GASPIP = 1
            \Bottled gas                                 \WFUEL = 2 and GASPIP = 2
            \Fuel oil                                     \WFUEL = 3
            \Kerosene or other liquid fuel               \WFUEL = 4
            \Coal or coke                                \WFUEL = 5
            \Wood                                         \WFUEL = 6
            \Solar energy                                \WFUEL = 7
            \Other                                       \WFUEL = 8


FUEL05      \
            \[B]Central Air Conditioning Fuel
            \
            \++         With central air conditioning    \AIRSYS = 1
            \Electricity                                 \AFUEL = 1
            \Piped gas                                   \AFUEL = 2 and GASPIP = 1
            \Other                                       \AFUEL = 3 or (AFUEL = 2 and GASPIP = 2)


FUEL06      \
            \[B]Clothes Dryer Fuel
            \
            \++         With clothes dryer               \DRY = 1
            \Electricity                                 \DFUEL = 1
            \Piped gas                                   \DFUEL = 2 and GASPIP = 1
            \Other                                       \DFUEL = 3 or (DFUEL = 2 and GASPIP = 2)


FUEL07      \
            \[B]Cooking Fuel
            \
            \++         With cooking fuel                \CFUEL = 1-6
            \Electricity                                 \CFUEL = 1
            \Gas                                         \CFUEL = 2
            \Kerosene or other liquid fuel               \CFUEL = 3
            \Coal or coke                                \CFUEL = 4
            \Wood                                         \CFUEL = 5
```

```
                \Other                                      \CFUEL = 6

FUEL08          \
                \[B]Water Heating Fuel
                \
                \++          With hot piped water           \HOTPIP = 1
                \Electricity                                \WFUEL = 1
                \Gas                                         \WFUEL = 2
                \Fuel oil                                    \WFUEL = 3
                \Kerosene or other liquid fuel              \WFUEL = 4
                \Coal or coke                                \WFUEL = 5
                \Wood                                        \WFUEL = 6
                \Solar energy                                \WFUEL = 7
                \Other                                       \WFUEL = 8

FUEL09          \
                \[B]Central Air Conditioning Fuel
                \
                \++          With central air conditioning  \AIRSYS = 1
                \Electricity                                \AFUEL = 1
                \Gas                                         \AFUEL = 2
                \Other                                       \AFUEL = 3

FUEL10          \
                \[B]Clothes Dryer Fuel
                \
                \++          With clothes dryer             \DRY = 1
                \Electricity                                \DFUEL = 1
                \Gas                                         \DFUEL = 2
                \Other                                       \DFUEL = 3

FUEL11          \
                \[B]Other Central Air Fuel
                \
                \++          With other central air         \OARSYS = 1
                \Electricity                                \OAFUEL = 1
                \Gas                                         \OAFUEL = 2
                \Other                                       \OAFUEL = 3

FUEL12          \
                \[B]Main House Heating Fuel
```

```
          \
          \++          Housing units with heating fuel        \HFUEL = 1-8
          \Electricity                                        \HFUEL = 1
          \Piped gas                                          \HFUEL = 2 and (GASPI2 = 1 or GASPIP = 1)
          \Bottled gas                                        \HFUEL = 2 and (GASPI2 = 2 or GASPIP = 2)
          \Fuel oil                                           \HFUEL = 3
          \Kerosene or other liquid fuel                      \HFUEL = 4
          \Coal or coke                                       \HFUEL = 5
          \Wood                                               \HFUEL = 6
          \Solar energy                                       \HFUEL = 7
          \Other                                              \HFUEL = 8

HACQ01    \
          \[B]How Acquired
          \
          \++          First occupant in single-
          \           family unit built 1990 or later        \FRSTOC = 1 and BUILT ge 1990 and NUNIT2 = 1-2
          \Already built                                      \CUSHOM = 1
          \Sales agreement                                    \CUSHOM = 2
          \Contractor                                         \CUSHOM = 3
          \Built it yourself                                  \CUSHOM = 4
          \Received as inheritance or gift                    \CUSHOM = 5
          \Not reported                                       \CUSHOM = "D" or CUSHOM = "R" or CUSHOM = " "

HEAT01    \
          \[B]Main Heating Equipment
          \
          \Warm-air furnace                                   \HEQUIP = 1
          \Steam or hot water system                          \HEQUIP = 2
          \Electric heat pump                                 \HEQUIP = 3
          \Built-in electric units                            \HEQUIP = 4
          \Floor, wall, or other built-in hot-air
          \ units without ducts                               \HEQUIP = 5
          \Room heaters with flue                             \HEQUIP = 6
          \Room heaters without flue                          \HEQUIP = 7
          \Portable electric heaters                          \HEQUIP = 8
          \Stoves                                             \HEQUIP = 9
          \Fireplaces with inserts                            \HEQUIP = 10
          \Fireplaces without inserts                         \HEQUIP = 11
          \Other                                              \HEQUIP = 12
          \Cooking stove                                      \HEQUIP = 14
```

```
          \None                                               \HEQUIP = 13


HEAT03       \
             \[B]Other Heating Equipment@1
             \
             \Warm-air furnace                                \AFUR = "X"
             \Steam or hot water system                       \STEAM = "X"
             \Electric heat pump                              \HPMP = "X"
             \Built-in electric units                         \ELECT = "X"
             \Floor, wall, or other built-in hot-air
             \ units without ducts                            \PLF = "X"
             \Room heaters with flue                          \FLOT = "X"
             \Room heaters without flue                       \FLIN = "X"
             \Portable electric heaters                       \PORTH = "X"
             \Stoves                                          \STOVE = "X"
             \Fireplaces with inserts                         \FRPLI = "X"
             \Fireplaces without inserts                      \FRPL = "X"
             \Other                                           \HOTH = "X"
             \Cooking stove                                   \COKST = "X"
             \None                                            \NONE = "X"
\[F]@1Figures may not add to total because more than one category may apply to a unit.


HEAT05       \
             \[B]Heating Problems
             \
             \++        With heating equipment and
             \          occupied last winter                  \FREEZE = 1-2 or \
             \                                                 \FREEZE = "D" or FREEZE = "R" or FREEZE = " "
             \Not uncomfortably cold for 24 hours or
             \ more last winter                               \FREEZE = 2
             \Uncomfortably cold for 24 hours or more
             \ last winter@5                                  \FREEZE = 1
             \  Equipment breakdowns                          \IFCOLD = 1
             \    No breakdowns lasting 6 hours
             \     or more                                    \NUMCOLD = 0
             \    1 time lasting 6 hours or more              \NUMCOLD = 1
             \    2 times                                     \NUMCOLD = 2
             \    3 times                                     \NUMCOLD = 3
             \    4 times or more                             \NUMCOLD = 4-8
             \    Number of times not reported                \NUMCOLD = "D" or NUMCOLD = "R"
             \  Other causes                                  \IFCOLD = 2 or OTHCLD = 1
```

```
\     Utility interruption                         \WHYCD1 = "X"
\     Inadequate heating capacity                  \WHYCD2 = "X"
\     Inadequate insulation                        \WHYCD3 = "X"
\     Cost of heating                              \WHYCD4 = "X"
\     Other                                        \WHYCD5 = "X"
\     Not reported                                 \(IFCOLD = 2 and (WHYCD1 = "D" and WHYCD2 = " " and \
\                                                  \WHYCD3 = " " and WHYCD4 = " " and WHYCD5 = " ") or \
\                                                  \(WHYCD1 = " " and WHYCD2 = " " and WHYCD3 = " " and \
\                                                  \WHYCD4 = " " and WHYCD5 = " ")) or \
\                                                  \(OTHCLD = 1 and (WHYCD1 = "D" and WHYCD2 = " " and \
\                                                  \WHYCD3 = " " and WHYCD4 = " " and WHYCD5 = " ") or \
\                                                  \(WHYCD1 = " " and WHYCD2 = " " and WHYCD3 = " " and \
\                                                  \WHYCD4 = " " and WHYCD5 = " "))
\   Reason for discomfort not reported             \IFCOLD = "D" or IFCOLD = "R" or IFCOLD = " "
\++Discomfort not reported                         \FREEZE = "D" or FREEZE = "R" or FREEZE = " "
\[F]@5Other causes and equipment breakdowns may not add to total as both may be reported.


HEAT06      \
            \[B]Other Heating Equipment@1
            \
            \Warm-air furnace                      \AFUR = "X"
            \Steam or hot water system            \STEAM = "X"
            \Electric heat pump                    \HPMP = "X"
            \Built-in electric units               \ELECT = "X"
            \Floor, wall, or other built-in hot-air
            \ units without ducts                  \PLF = "X"
            \Room heaters with flue                \FLOT = "X"
            \Room heaters without flue             \FLIN = "X"
            \Portable electric heaters             \PORTH = "X"
            \Stoves                                \STOVE = "X"
            \Fireplaces with inserts               \FRPLI = "X"
            \Fireplaces without inserts            \FRPL = "X"
            \Other                                 \HOTH = "X"
            \Cooking stove                         \COKST = "X"
            \None                                  \NONE = "X"
\[F]@1Figures may not add to total because more than one category may apply to a unit.


HOME01      \
            \[B]Homes Currently for Sale or Rent
            \
            \Up for rent only                      \MARKET = 1 or VACANCY = 1
```

```
              \Up for rent or for sale                  \MARKET = 2 or VACANCY = 2
              \For sale only                            \MARKET = 3 or VACANCY = 3
              \Not on the market                        \MARKT = 2 or VACANCY = 4-7
              \Not reported                             \MARKT = "D" or MARKT = "R" or MARKT = " " or \
              \                                         \(MARKT = 1 and (MARKET = "D" or MARKET = "R" or \
              \                                         \MARKET = " "))


HOME02        \
              \[B]Main Reason for Choice of Present Home
              \
              \All reported reasons equal               \WHYTOH = 0
              \Financial reasons                        \WHYTOH = 1
              \Room layout/design                       \WHYTOH = 2
              \Kitchen                                  \WHYTOH = 3
              \Size                                     \WHYTOH = 4
              \Exterior appearance                      \WHYTOH = 5
              \Yard/trees/view                          \WHYTOH = 6
              \Quality of construction                  \WHYTOH = 7
              \Only one available                       \WHYTOH = 8
              \Other                                    \WHYTOH = 9
              \Not reported                             \WHYTOH = "B" or WHYTOH = "D" or \
              \                                         \WHYTOH = "R" or WHYTOH = " "

HOME03        \
              \[B]Home Search
              \
              \Now in house                             \NUNIT2 = 1-2
              \  Did not look at apartments             \TYPE = 1 and LOOKHS = 2-3
              \  Looked at apartments too               \TYPE = 1 and LOOKHS = 1
              \  Search not reported                    \(TYPE = 1 and (LOOKHS = "D" or LOOKHS = "R" or \
              \                                         \LOOKHS = " ")) or TYPE = 4-9
              \Now in manufactured/mobile home          \NUNIT2 = 4
              \  Did not look at apartments             \LOOKHS = 2-3
              \  Looked at apartments too               \LOOKHS = 1
              \  Search not reported                    \LOOKHS = "D" or LOOKHS = "R" or LOOKHS = " "
              \Now in apartment                         \NUNIT2 = 3
              \  Did not look at houses                 \TYPE = 1 and LOOKHS = 2-3
              \  Looked at houses too                   \TYPE = 1 and LOOKHS = 1
              \  Search not reported                    \(TYPE = 1 and (LOOKHS = "D" or LOOKHS = "R" or \
              \                                         \LOOKHS = " ")) or TYPE = 4-9
```

```
HOME04         \
               \[B]Choice of Present Home@1
               \
               \Financial reasons                                    \WHFIN = "X"
               \Room layout/design                                   \WHDSN = "X"
               \Kitchen                                              \WHKIT = "X"
               \Size                                                 \WHSIZ = "X"
               \Exterior appearance                                  \WHEXT = "X"
               \Yard/trees/view                                      \WHYRD = "X"
               \Quality of construction                              \WHQUL = "X"
               \Only one available                                   \WHAVL = "X"
               \Other                                                \WHOTH = "X"
               \Not reported                                         \(WHFIN = "D" or WHFIN = "R" or WHFIN = " ") and \
               \                                                     \(WHDSN = "D" or WHDSN = "R" or WHDSN = " ") and \
               \                                                     \(WHKIT = "D" or WHKIT = "R" or WHKIT = " ") and \
               \                                                     \(WHSIZ = "D" or WHSIZ = "R" or WHSIZ = " ") and \
               \                                                     \(WHEXT = "D" or WHEXT = "R" or WHEXT = " ") and \
               \                                                     \(WHYRD = "D" or WHYRD = "R" or WHYRD = " ") and \
               \                                                     \(WHQUL = "D" or WHQUL = "R" or WHQUL = " ") and \
               \                                                     \(WHAVL = "D" or WHAVL = "R" or WHAVL = " ") and \
               \                                                     \(WHOTH = "D" or WHOTH = "R" or WHOTH = " ")
\[F]@1Figures may not add to total because more than one category may apply to a unit.

|/* RECODES for INCM01, INCM02, and INCM05 - Household Income */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if AGE ge 16 then ZINC2 = sum (SAL, VOTHER, ZINC2);
|        if AGE ge 16 and (REL eq 1-2 or REL eq 20 or REL eq 22-26) then do;
|            ZINC = sum (SAL, VOTHER, ZINC);
|            SALINC + SAL;
|        end;
|    end;
|/* Calculate the Lookup Variable to Retrieve the Poverty Threshold */
|    if CURPER eq 1-2 then do;
|        PERS = put(CURPER,1.);
|        if HHAGE eq 0-64 then AGEHH = 1;
|        else if HHAGE ge 65 then AGEHH = 2;
|    end;
|    else if CURPER gt 2 then do;
|        AGEHH = 3;
```

```
|        if CURPER ge 9 then do;
|            PERS = 9;
|            HHKDU18 = max(9-(CURPER - HHKDU18),O);
|        end;
|    else if CURPER lt 9 then PERS = put(CURPER,1.);
|    end;
|    if HHKDU18 ge 8 then KIDS = 8;
|    else if HHKDU18 eq 0-7 then KIDS = put(HHKDU18,1);
|    if DATEM le 5 then IMONTH = 05;
|    else if DATEM ge 11 then IMONTH = 11;
|    else if DATEM eq 6 then IMONTH = 06;
|    else if DATEM eq 7 then IMONTH = 07;
|    else if DATEM eq 8 then IMONTH = 08;
|    else if DATEM eq 9 then IMONTH = 09;
|    else if DATEM eq 10 then IMONTH = 10;
|/* Below, the ~ means to concatenate the variables together */
|    PVLKUP = IMONTH~PERS~AGEHH~KIDS;
|/* Retrieve Poverty Threshold Level from the Previously Created Poverty Formats */
|    POVLVL = input(put(PVLKUP,$povfmt.),6.);
|/* Calculate the Income as Percent of Poverty Level */
|    if POVLVL ne 0 then do;
|        if ZINC2 ne 0 then POORR = (ZINC2 * 1000) / POVLVL;
|        else POORR eq 1;
|        POOR = round(POORR,.01);
|    end;
|/* check end ranges for the calculated poor variable */
|    if POORR lt 1 then POORR = 1;
|/* calculate the total income for the household */
|    if AGE ge 16 and (REL eq 1-2 or REL eq 20 or REL eq 22-26) then do;
|        PER20WG=SALINC * .2;
|        if SAL gt 0 and SAL gt PER20WG then CNTR = CNTR + 1;
|        if CNTR GT 1 THEN INC3FLG = X;
|    end;
|end;
|
```

```
INCM01        \
              \[B]Household Income
              \
              \Less than $5,000                                    \-9999999 le ZINC2 le 4999
              \$5,000 to $9,999                                    \ZINC2 = 5000-9999
```

```
        \$10,000 to $14,999                              \ZINC2 = 10000-14999
        \$15,000 to $19,999                              \ZINC2 = 15000-19999
        \$20,000 to $24,999                              \ZINC2 = 20000-24999
        \$25,000 to $29,999                              \ZINC2 = 25000-29999
        \$30,000 to $34,999                              \ZINC2 = 30000-34999
        \$35,000 to $39,999                              \ZINC2 = 35000-39999
        \$40,000 to $49,999                              \ZINC2 = 40000-49999
        \$50,000 to $59,999                              \ZINC2 = 50000-59999
        \$60,000 to $79,999                              \ZINC2 = 60000-79999
        \$80,000 to $99,999                              \ZINC2 = 80000-99999
        \$100,000 to $119,999                            \ZINC2 = 100000-119999
        \$120,000 or more                                \ZINC2 ge 120000
        \[B]Median                                       \
~TYP=50 ROW=15,15
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8
~  RANGES=-9999999,5000,10000,15000,20000,25000,30000,35000,40000
~  CELLS=R9,R10,R11,R12,R13,R14
~  RANGES=50000,60000,80000,100000,120000,9999998;
*OVERRIDES=5000,120000;
        \
        \  As percent of poverty level:
        \Less than 50 percent                            \POOR lt 500.00
        \50 to 99 percent                                \500.00 le POOR lt 1000.00
        \100 to 149 percent                              \1000.00 le POOR lt 1500.00
        \150 to 199 percent                              \1500.00 le POOR lt 2000.00
        \200 percent or more                             \POOR ge 2000.00


INCM02      \
        \[B]Income of Families and Primary
        \ Individuals
        \
        \Less than $5,000                                \-9999999 le ZINC le 4999
        \$5,000 to $9,999                                \ZINC = 5000-9999
        \$10,000 to $14,999                              \ZINC = 10000-14999
        \$15,000 to $19,999                              \ZINC = 15000-19999
        \$20,000 to $24,999                              \ZINC = 20000-24999
        \$25,000 to $29,999                              \ZINC = 25000-29999
        \$30,000 to $34,999                              \ZINC = 30000-34999
        \$35,000 to $39,999                              \ZINC = 35000-39999
        \$40,000 to $49,999                              \ZINC = 40000-49999
        \$50,000 to $59,999                              \ZINC = 50000-59999
```

```
          \$60,000 to $79,999                                      \ZINC = 60000-79999
          \$80,000 to $99,999                                      \ZINC = 80000-99999
          \$100,000 to $119,999                                    \ZINC = 100000-119999
          \$120,000 or more                                        \ZINC ge 120000
          \[B]Median                                               \
~TYP=50 ROW=15,15
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8
~  RANGES=-9999999,5000,10000,15000,20000,25000,30000,35000,40000
~  CELLS=R9,R10,R11,R12,R13,R14
~  RANGES=50000,60000,80000,100000,120000,9999998;
*OVERRIDES=5000,120000;

INCM05          \
          \[B]Income Sources of Families and
          \ Primary Individuals@1
          \
          \Wages and salaries                                      \SALINC gt 0
          \  Wages and salaries were majority
          \   of income                                            \SALINC gt VOTHER
          \    2 or more people each earned over
          \     20 percent of wages and salaries                  \INC3FLG = "X"
          \Self-employment                                         \QSELF = 1
          \Interest                                                \QINT = 1
          \Dividends                                               \QDIV = 1
          \Rental income                                           \QRENT = 1
          \Social Security or Railroad Retirement                  \QSS = 1
          \Retirement or survivor pensions                         \QRETIR = 1
          \Supplementary Security Income (SSI)                     \QSSI = 1
          \Child support or alimony                                \QALIM = 1
          \Public assistance or public welfare                     \QWELF = 1
          \Food stamp benefits                                     \QFS1 = 1
          \Disability payments, workers'
          \ compensation, veterans' disability, or
          \ other disability                                       \QWKCMP = 1
          \Other income (VA payments, unemployment,
          \ royalty, estates, and more)                            \QOTHER = 1
\[F]@1Figures may not add to total because more than one category may apply to a unit.

|/* RECODE for AMTIMO - INS01 - Property Insurance */
|
|if BUYI eq 1 then do;
```

```
|    AMTIMOR = AMTI / 12;
|    AMTIMO = round(AMTIMOR,1);
|end;
|


INS01          \
               \[B]Property Insurance
               \
               \Property insurance paid                         \BUYI = 1
               \[N]Less than $10                                \AMTIMO = 0-9
               \[N]$10 to $24                                   \AMTIMO = 10-24
               \[N]$25 to $49                                   \AMTIMO = 25-49
               \[N]$50 to $74                                   \AMTIMO = 50-74
               \[N]$75 to $99                                   \AMTIMO = 75-99
               \[N]$100 to $149                                 \AMTIMO = 100-149
               \[N]$150 to $199                                 \AMTIMO = 150-199
               \[N]$200 to $299                                 \AMTIMO = 200-299
               \[N]$300 to $399                                 \AMTIMO = 300-399
               \[N]$400 or more                                 \AMTIMO ge 400
               \[B]Median per month                             \
~TYP=50 ROW=12,12
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
~  RANGES=0,10,25,50,75,100,150,200,300,400,9998;
*OVERRIDES=10,400;


|/* RECODES for JTW01-JTW04 and JTW09-JTW10 - Journey to Work */
|
|if STATUS eq 1 then do;
|    if WLINEQ eq 1 and AGE ge 16 then do;
|        JTWTOT = JTWTOT + 1;
|/* RECODE for JTW01 */
|        if TRAN eq 1-3 then do;
|            if VEHCL eq 1 then J1DRV = J1DRV + 1;
|            else if VEHCL eq 2 then do;
|                J1CP = J1CP + 1;
|                if PASS eq 2 then J1CP2 = J1CP2 + 1;
|                else if PASS eq 3 then J1CP3 = J1CP3 + 1;
|                else if PASS ge 4 then J1CP4 = J1CP4 + 1;
|            end;
|        end;
|        else if TRAN eq 4-6 then J1MASS = J1MASS + 1;
```

```
|      else if TRAN eq 7 then J1TAXI = J1TAXI + 1;
|      else if TRAN eq 8-9 then J1BIKE = J1BIKE + 1;
|      else if TRAN eq 11 then J1WALK = J1WALK + 1;
|      else if TRAN eq 10 then J1OTH = J1OTH + 1;
|      else if TRAN eq 12 then J1HOME = J1HOME + 1;
|/* RECODE for JTW02 */
|      if TIMEJ eq 996 or DISTJ eq 996 then do;
|        J2HOME = J2HOME + 1;
|        J3HOME = J3HOME + 1;
|      end;
|      else if HJOB ne 2 then do;
|        if TIMEJ eq 0-14 then J2U15 = J2U15 + 1;
|        else if TIMEJ eq 15-29 then J21529 = J21529 + 1;
|        else if TIMEJ eq 30-44 then J23044 = J23044 + 1;
|        else if TIMEJ eq 45-59 then J24559 = J24559 + 1;
|        else if TIMEJ eq 60-89 then J26089 = J26089 + 1;
|        else if TIMEJ eq 90-995 then J2O90 = J2O90 + 1;
|/* RECODE for JTW03 */
|        if DISTJ eq 0 then J3U1 = J3U1 + 1;
|        else if DISTJ eq 1-4 then J314 = J314 + 1;
|        else if DISTJ eq 5-9 then J359 = J359 + 1;
|        else if DISTJ eq 10-19 then J31019 = J31019 + 1;
|        else if DISTJ eq 20-29 then J32029 = J32029 + 1;
|        else if DISTJ eq 30-49 then J33049 = J33049 + 1;
|        else if DISTJ eq 50-995 then J3O50 = J3O50 + 1;
|      end;
|      else if HJOB eq 2 and DISTJ ne 996 and TIMEJ ne 996 then do;
|        J2NOPLC = J2NOPLC + 1;
|        J3NOPLC = J3NOPLC + 1;
|      end;
|/* RECODE for JTW04 */
|      if AMPM eq 1 then do;
|        if WTIME eq 1200-1259 or WTIME eq 0100-0259 then J4123A = J4123A + 1;
|        else if WTIME eq 0300-0559 then J436A = J436A + 1;
|        else if WTIME eq 0600-0659 then J467A = J467A + 1;
|        else if WTIME eq 0700-0729 then J47730A = J47730A + 1;
|        else if WTIME eq 0730-0759 then J47308A = J47308A + 1;
|        else if WTIME eq 0800-0829 then J48830A = J48830A + 1;
|        else if WTIME eq 0830-0859 then J48309A = J48309A + 1;
|        else if WTIME eq 0900-0959 then J4910A = J4910A + 1;
|        else if WTIME eq 1000-1159 then J4104P = J4104P + 1;
```

```
|         else if WTIME eq ' ' or WTIME eq 'D' or WTIME eq 'R' then J4RN = J4NR + 1;
|       end;
|       else if AMPM eq 2 then do;
|           if WTIME eq 1200-1259 or WTIME eq 0100-0359 then J4104P = J4104P + 1;
|           else if WTIME eq 0400-1159 then J4412P = J4412P + 1;
|           else if WTIME eq ' ' or WTIME eq 'D' or WTIME eq 'R' then J4NR = J4NR + 1;
|       end;
|       else if AMPM eq 'D' or AMPM eq 'R' or AMPM eq ' ' then J4NR = J4NR + 1;
|/* RECODE for JTW09 */
|       if WHOME eq 1 or WHHRB eq 1-112 then WRKHOM = 1;
|       else if WHOME eq 2 and WHHRB eq 0 then WRKHOM = 2;
|       else WRKHOM = .D;
|       if WRKHOM eq 1 then do;
|           J9WHTOT = J9WHTOT + 1;
|           if WHHRW eq 1-112 and WHHRB eq 1-112 then HRSWRKD = WHHRW + WHHRB;
|           else if WHOME eq 2 and WHHRB eq 1-112 then HRSWRKD = WHHRB;
|           else if WHHRW eq 1-112 and WHHRB eq 0 then HRSWRKD = WHHRW;
|           else HRSWRKD = .D;
|           if HRSWRKD eq 1-9 then J9WH19 = J9WH19 + 1;
|           if HRSWRKD eq 10-19 then J9WH1019 = J9WH1019 + 1;
|           if HRSWRKD eq 20-29 then J9WH2029 = J9WH2029 + 1;
|           if HRSWRKD eq 30-39 then J9WH3039 = J9WH3039 + 1;
|           if HRSWRKD ge 40 then J9WH40PL = J9WH40PL + 1;
|           if HRSWRKD eq .D then J9WHNR = J9WHNR + 1;
|       end;
|       else if WRKHOM eq 2 then J9NOWRK = J9NOWRK + 1;
|       else if WRKHOM eq .D then J9NR = J9NR + 1;
|       if WHOME eq 1 then do;
|           J9DYTOT = J9DYTOT + 1;
|           if WHDY eq 0 then J9DY0 = J9DY0 + 1;
|           if WHDY eq 1-2 then J9DY12 = J9DY12 + 1;
|           if WHDY eq 3-4 then J9DY34 = J9DY34 + 1;
|           if WHDY ge 5 then J9DY5PL = J9DY5PL + 1;
|           if WHDY eq 'D' or WHDY eq 'R' or WHDY eq ' ' then J9DYNR = J9DYNR + 1;
|       end;
|/* RECODE for JTW10 */
|       if REL eq 1-2 and AGE ge 16 then do;
|           HHWLINEQ = WLINEQ;
|           HHTRAN = TRAN;
|           HHVEHCL = VEHCL;
|           HHPASS = PASS;
```

```
|          HHHJOB = HJOB;
|          HHTIMEJ = TIMEJ;
|          HHDISTJ = DISTJ;
|          HHAMPM = AMPM;
|          HHWTIME = WTIME;
|          HHWHOME = WHOME;
|          HHWHDY = WHDY;
|          if WHOME eq 1 or WHHRB eq 1-112 then HHWRKHOM = 1;
|          else if WHOME eq 2 and WHHRB eq 0 then HHWRKHOM = 2;
|          else HHWRKHOM = .D;
|          if HHWRKHOM eq 1 then do;
|              if WHHRW eq 1-112 and WHHRB eq 1-112 then HHHRSWRK = WHHRW + WHHRB;
|              else if WHOME eq 2 and WHHRB eq 1-112 then HHHRSWRK = WHHRB;
|              else if WHHRW eq 1-112 and WHHRB eq 0 then HHHRSWRK = WHHRW;
|              else HRSWRKD = .D;
|          end;
|       end;
|     end;
|end;
|
|

JTW01        \
             \[B]Principal Means of Transportation
             \ to Work Last Week
             \
             \Drives self                                      \J1DRV
~TYP=02 ROW=1,1 FORM=J1DRV;
             \Carpool                                          \J1CP
~TYP=02 ROW=2,2 FORM=J1CP;
             \  2-person                                       \J1CP2
~TYP=02 ROW=3,3 FORM=J1CP2;
             \  3-person                                       \J1CP3
~TYP=02 ROW=4,4 FORM=J1CP3;
             \  4-person-or-more                               \J1CP4
~TYP=02 ROW=5,5 FORM=J1CP4;
             \Mass transportation                              \J1MASS
~TYP=02 ROW=6,6 FORM=J1MASS;
             \Taxicab                                          \J1TAXI
~TYP=02 ROW=7,7 FORM=J1TAXI;
             \Bicycle or motorcycle                            \J1BIKE
~TYP=02 ROW=8,8 FORM=J1BIKE;
```

```
          \Walks only                                    \J1WALK
~TYP=02 ROW=9,9 FORM=J1WALK;
          \Other means                                   \J1OTH
~TYP=02 ROW=10,10 FORM=J1OTH;
          \Works at home                                 \J1HOME
~TYP=02 ROW=11,11 FORM=J1HOME;

JTW02     \
          \[B]Travel Time From Home to Work
          \
          \Less than 15 minutes                          \J2U15
~TYP=02 ROW=1,1 FORM=J2U15;
          \15 to 29 minutes                              \J21529
~TYP=02 ROW=2,2 FORM=J21529;
          \30 to 44 minutes                              \J23044
~TYP=02 ROW=3,3 FORM=J23044;
          \45 to 59 minutes                              \J24559
~TYP=02 ROW=4,4 FORM=J24559;
          \1 hour to 1 hour and 29 minutes               \J26089
~TYP=02 ROW=5,5 FORM=J26089;
          \1 hour 30 minutes or more                     \J2O90
~TYP=02 ROW=6,6 FORM=J2O90;
          \Works at home                                 \J2HOME
~TYP=02 ROW=7,7 FORM=J2HOME;
          \No fixed place of work                        \J2NOPLC
~TYP=02 ROW=8,8 FORM=J2NOPLC;
          \[B]Median                                     \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6
~  RANGES=0,15,30,45,60,90,996;
*OVERRIDES=15,90;

JTW03     \
          \[B]Distance From Home to Work
          \
          \Less than 1 mile                              \J3U1
~TYP=02 ROW=1,1 FORM=J3U1;
          \1 to 4 miles                                  \J314
~TYP=02 ROW=2,2 FORM=J314;
          \5 to 9 miles                                  \J359
~TYP=02 ROW=3,3 FORM=J359;
```

```
            \10 to 19 miles                              \J31019
~TYP=02 ROW=4,4 FORM=J31019;
            \20 to 29 miles                              \J32029
~TYP=02 ROW=5,5 FORM=J32029;
            \30 to 49 miles                              \J33049
~TYP=02 ROW=6,6 FORM=J33049;
            \50 miles or more                            \J3O50
~TYP=02 ROW=7,7 FORM=J3O50;
            \Works at home                               \J3HOME
~TYP=02 ROW=8,8 FORM=J3HOME;
            \No fixed place of work                      \J3NOPLC
~TYP=02 ROW=9,9 FORM=J3NOPLC;
            \[B]Median                                   \
~TYP=50 ROW=10,10
~  CELLS=R1,R2,R3,R4,R5,R6,R7
~  RANGES=0,1,5,10,20,30,50,996;
*OVERRIDES=1,50;


JTW04       \
            \[B]Departure Time to Work@7
            \
            \12 midnight to 2:59 a.m.                    \J4123A
~TYP=02 ROW=1,1 FORM=J4123A;
            \3:00 to 5:59 a.m.                           \J436A
~TYP=02 ROW=2,2 FORM=J436A;
            \6:00 to 6:59 a.m.                           \J467A
~TYP=02 ROW=3,3 FORM=J467A;
            \7:00 to 7:29 a.m.                           \J47730A
~TYP=02 ROW=4,4 FORM=J47730A;
            \7:30 to 7:59 a.m.                           \J47308A
~TYP=02 ROW=5,5 FORM=J47308A;
            \8:00 to 8:29 a.m.                           \J48830A
~TYP=02 ROW=6,6 FORM=J48830A;
            \8:30 to 8:59 a.m.                           \J48309A
~TYP=02 ROW=7,7 FORM=J48309A;
            \9:00 to 9:59 a.m.                           \J4910A
~TYP=02 ROW=8,8 FORM=J4910A;
            \10:00 to 3:59 p.m.                          \J4104P
~TYP=02 ROW=9,9 FORM=J4104P;
            \4:00 to 12 midnight                         \J4412P
~TYP=02 ROW=10,10 FORM=J4412P;
```

```
            \Not reported                                       \J4NR
~TYP=02 ROW=11,11 FORM=J4NR;
\[F]@7Does not add to total because those that worked at home were not included.

JTW05       \--                                                 \HHWLINEQ = 1
            \
            \[B]Principal Means of Transportation
            \ to Work Last Week for Householder
            \
            \Drives self                                        \HHTRAN = 1-3 and HHVEHCL = 1
            \Carpool                                            \HHTRAN = 1-3 and HHVEHCL = 2
            \  2-person                                         \HHPASS = 2
            \  3-person                                         \HHPASS = 3
            \  4-person-or-more                                 \HHPASS ge 4
            \Mass transportation                                \HHTRAN = 4-6
            \Taxicab                                            \HHTRAN = 7
            \Bicycle or motorcycle                              \HHTRAN = 8-9
            \Walks only                                         \HHTRAN = 11
            \Other means                                        \HHTRAN = 10
            \Works at home                                      \HHTRAN = 12

JTW06       \--                                                 \HHWLINEQ = 1
            \
            \[B]Travel Time From Home to Work
            \ for Householder
            \
            \Less than 15 minutes                               \HHHJOB ne 2 and HHTIMEJ = 0-14
            \15 to 29 minutes                                   \HHHJOB ne 2 and HHTIMEJ = 15-29
            \30 to 44 minutes                                   \HHHJOB ne 2 and HHTIMEJ = 30-44
            \45 to 59 minutes                                   \HHHJOB ne 2 and HHTIMEJ = 45-59
            \1 hour to 1 hour and 29 minutes                    \HHHJOB ne 2 and HHTIMEJ = 60-89
            \1 hour 30 minutes or more                          \HHHJOB ne 2 and HHTIMEJ 90-995
            \Works at home                                      \HHTIMEJ = 996
            \No fixed place of work                             \HHHJOB = 2 and HHTIMEJ ne 996
            \[B]Median                                          \
~TYP=50 ROW=9,9
~   CELLS=R1,R2,R3,R4,R5,R6
~   RANGES=0,15,30,45,60,90,996;
*OVERRIDES=15,90;

JTW07       \--                                                 \HHWLINEQ = 1
```

```
            \
            \[B]Distance From Home to Work
            \ for Householder
            \
            \Less than 1 mile                                    \HHHJOB ne 2 and HHDISTJ = 0
            \1 to 4 miles                                        \HHHJOB ne 2 and HHDISTJ = 1-4
            \5 to 9 miles                                        \HHHJOB ne 2 and HHDISTJ = 5-9
            \10 to 19 miles                                      \HHHJOB ne 2 and HHDISTJ = 10-19
            \20 to 29 miles                                      \HHHJOB ne 2 and HHDISTJ = 20-29
            \30 to 49 miles                                      \HHHJOB ne 2 and HHDISTJ = 30-49
            \50 miles or more                                    \HHHJOB ne 2 and HHDISTJ 50-995
            \Works at home                                       \HHDISTJ = 996
            \No fixed place of work                              \HHHJOB = 2 and HHDISTJ ne 996
            \[B]Median                                           \
~TYP=50 ROW=10,10
~   CELLS=R1,R2,R3,R4,R5,R6,R7
~   RANGES=0,1,5,10,20,30,50,996;
*OVERRIDES=1,50;

JTW08       \--                                                  \HHWLINEQ = 1
            \
            \[B]Departure Time to Work for
            \ Householder@7
            \
            \12 midnight to 2:59 a.m.                            \HHAMPM = 1 and (HHWTIME = 1200-1259 or \
            \                                                    \HHWTIME = 0100-0259)
            \3:00 to 5:59 a.m.                                   \HHAMPM = 1 and HHWTIME = 0300-0559
            \6:00 to 6:59 a.m.                                   \HHAMPM = 1 and HHWTIME = 0600-0659
            \7:00 to 7:29 a.m.                                   \HHAMPM = 1 and HHWTIME = 0700-0729
            \7:30 to 7:59 a.m.                                   \HHAMPM = 1 and HHWTIME = 0730-0759
            \8:00 to 8:29 a.m.                                   \HHAMPM = 1 and HHWTIME = 0800-0829
            \8:30 to 8:59 a.m.                                   \HHAMPM = 1 and HHWTIME = 0830-0859
            \9:00 to 9:59 a.m.                                   \HHAMPM = 1 and HHWTIME = 0900-0959
            \10:00 to 3:59 p.m.                                  \(HHAMPM = 1 and HHWTIME = 1000-1159) or \
            \                                                    \(HHAMPM = 2 and (HHWTIME = 1200-1259 or \
            \                                                    \HHWTIME = 0100-0359))
            \4:00 to 12 midnight                                 \HHAMPM = 2 and HHWTIME = 0400-1159
            \Not reported                                        \HHAMPM = "D" or HHAMPM = "R" or HHAMPM = " " or \
            \                                                    \HHWTIME = "D" or HHWTIME = "R" or HHWTIME = " "
\[F]@7Does not add to total because those that worked at home were not included.
```

```
JTW09         \
              \[B]Worked at Home Last Week
              \
              \Worked at home@19                            \J9WHTOT
~TYP=02 ROW=1,1 FORM=J9WHTOT;
              \
              \  Hours worked at home:
              \  1-9 hours                                  \J9WH19
~TYP=02 ROW=2,2 FORM=J9WH19;
              \  10-19 hours                                \J9WH1019
~TYP=02 ROW=3,3 FORM=J9WH1019;
              \  20-29 hours                                \J9WH2029
~TYP=02 ROW=4,4 FORM=J9WH2029;
              \  30-39 hours                                \J9WH3039
~TYP=02 ROW=5,5 FORM=J9WH3039;
              \  40 hours or more                           \J9WH40PL
~TYP=02 ROW=6,6 FORM=J9WH40PL;
              \  Not reported                               \J9WHNR
~TYP=02 ROW=7,7 FORM=J9WHNR;
              \
              \Did not work at home                         \J9NOWRK
~TYP=02 ROW=8,8 FORM=J9NOWRK;
              \Worked at home not reported                  \J9NR
~TYP=02 ROW=9,9 FORM=J9NR;
              \
              \Worked at home/wage and salary job           \J9DYTOT
~TYP=02 ROW=10,10 FORM=J9DYTOT;
              \
              \  Days worked at home:
              \  0 days                                     \J9DY0
~TYP=02 ROW=11,11 FORM=J9DY0;
              \  1-2 days                                   \J9DY12
~TYP=02 ROW=12,12 FORM=J9DY12;
              \  3-4 days                                   \J9DY34
~TYP=02 ROW=13,13 FORM=J9DY34;
              \  5 days or more                             \J9DY5PL
~TYP=02 ROW=14,14 FORM=J9DY5PL;
              \  Not reported                               \J9DYNR
~TYP=02 ROW=15,15 FORM=J9DYNR;
\[F]@19Includes regular scheduled work done for employer at home (i.e., wages, salary, and commission jobs) and as a
\[F] self-employed person, contract worker, or business owner.
```

```
JTW10         \--                                            \HHWLINEQ = 1
              \
              \[B]Householder Working at Home Last Week
              \
              \Worked at home@19                             \HHWRKHOM = 1
              \
              \  Hours worked at home:
              \  1-9 hours                                   \HHHRSWRK = 1-9
              \  10-19 hours                                 \HHHRSWRK = 10-19
              \  20-29 hours                                 \HHHRSWRK = 20-29
              \  30-39 hours                                 \HHHRSWRK = 30-39
              \  40 hours or more                            \HHHRSWRK ge 40
              \  Not reported                                \HHHRSWRK = .D
              \
              \Did not work at home                          \HHWRKHOM = 2
              \Worked at home not reported                   \HHWRKHOM = .D
              \
              \Worked at home/wage and salary job            \HHWHOME = 1
              \
              \  Days worked at home:
              \  0 days                                      \HHWHDY = 0
              \  1-2 days                                    \HHWHDY = 1-2
              \  3-4 days                                    \HHWHDY = 3-4
              \  5 days or more                              \HHWHDY ge 5
              \  Not reported                                \HHWHDY = "D" or HHWHDY = "R"
\[F]@19Includes regular scheduled work done for employer at home (i.e., wages, salary, and commission jobs) and as a
\[F] self-employed person, contract worker, or business owner.


LUPR01        \
              \[B]Last Used as a Permanent Residence
              \
              \++       Vacant seasonal                      \VACANCY = 8-11
              \Less than 1 month since occupied
              \ as permanent home                            \MOPERM = 0
              \1 month up to 2 months                        \MOPERM = 1
              \2 months up to 6 months                       \MOPERM = 2-5
              \6 months up to 1 year                         \MOPERM = 6-11
              \1 year up to 2 years                          \MOPERM = 12-23
              \2 years or more                               \MOPERM = 24-25
              \Never occupied as permanent home              \MOPERM = 26
              \Don't know                                    \MOPERM = .D
```

```
          \Not reported                                  \MOPERM = .R or MOPERM = .

MHSZ01    \
          \[B]Manufactured/Mobile Home Size
          \
          \++        Manufactured/mobile homes           \NUNIT2 = 4
          \Single-wide                                   \MHWIDE = 1
          \Double-wide                                   \MHWIDE = 2
          \Triple-wide or larger                         \MHWIDE = 3
          \Size not reported                             \MHWIDE = "D" or MHWIDE = "R" or MHWIDE = " "

MOBL01    \
          \[B]Manufactured/Mobile Homes in Group
          \
          \++        Manufactured/mobile homes           \NUNIT2 = 4
          \1 to 6                                        \TPARK = 1-6
          \7 to 20                                       \TPARK = 7-20
          \21 or more                                    \TPARK ge 21

MORT02    \
          \[B]Type of Primary Mortgage
          \
          \FHA                                           \MORTIN = 1
          \VA                                            \MORTIN = 2
          \RHS/RD                                        \MORTIN = 3
          \Other types                                   \MORTIN = 4
          \Don't know                                    \MORTIN = "D"
          \Not reported                                  \MORTIN = "R" or MORTIN = " "

MORT03    \
          \[B]Lower Cost State and Local Mortgages
          \
          \State or local program used                   \SUBMOR = 1
          \Not used                                      \SUBMOR = 2
          \Not reported                                  \SUBMOR = "D" or SUBMOR = "R" or SUBMOR = " "

MORT04    \
          \[B]Mortgage Origination
          \
          \Placed new mortgage(s)                        \(MATBUY = 2 or NEWMOR = 1) and ((MATBY2 = 2 or \
          \                                              \NEWMR2 = 1) or (MATBY2 = "B"))
```

```
                \   Primary obtained when property
                \     acquired                                               \MATBUY = 1
                \   Obtained later                                           \MATBUY = 2
                \Assumed                                                     \NEWMOR = 2 and (NEWMR2 = 2 or MATBY2 = "B")
                \Wrap-around                                                 \NEWMOR = 3 and (NEWMR2 = 3 or MATBY2 = "B")
                \Combination of the above                                    \((MATBUY = 2 or NEWMOR = 1) and NEWMR2 = 2-3) or \
                \                                                            \(NEWMOR = 2 and (MATBY2 = 2 or NEWMR2 = 1)) or  \
                \                                                            \(NEWMOR = 2 and NEWMR2 = 3) or \
                \                                                            \(NEWMOR = 3 and (MATBY2 = 2 or NEWMR2 = 1)) or \
                \                                                            \(NEWMOR = 3 and NEWMR2 = 2)

|/* RECODES for MORT05, MORT06 and MORT07 - Current Mortgage */
|
|if STATUS eq 1 then do;
|
|/* RECODE for OTPIN - MORT05 - Total Outstanding Principal */
|
|    if MCNT ge 1 then do;
|       OTPINR = 0;
|       P1 = AMMORT;
|       J1 = 1 + (.01 * ((INTW + (INTF * .125)) + .125) / 12);
|       if MATBUY eq 1 then do;
|          K1 = ((12 * (DATEY - WHNGET)) - 6) + DATEM;
|          if K1 le 0 then K1 = 1;
|          if NEWMOR eq 1 or NEWMOR eq 3 then do;
|             if TERM eq 15-41 then N1 = TERM * 12;
|             if (TERM eq 1-14 or CANVAR eq 'X') and AMRTZ eq 1-41 then N1 = AMRTZ * 12;
|             if (TERM eq 1-14 or CANVAR eq 'X') and AMRTZ ne 1-41 then N1 = .D;
|          end;
|          if NEWMOR eq 2 then N1 = TERM * 12;
|       end;
|       if MATBUY eq 2 then do;
|          if YRMOR eq 1900-DATEY then do;
|             K1 = ((12 * (DATEY - YRMOR)) - 6) + DATEM;
|             if K1 le 0 then K1 = 1;
|          end;
|          if YRMOR ne 1900-DATEY then K1 = .D;
|          if TERM eq 15-41 then N1 = TERM * 12;
|          if (TERM eq 1-14 or CANVAR eq 'X') and AMRTZ eq 1-41 then N1 = AMRTZ * 12;
|          if (TERM eq 1-14 or CANVAR eq 'X') and AMRTZ ne 1-41 then N1 = .D;
|       end;
```

```
|       if K1 eq .D or N1 = .D then OTPIN1 = .D;
|       if K1 ne .D and N1 ne .D then OTPIN1 = (1- (J1 ** (K1 - N1))) / (1 - (J1 ** ( - N1))) * P1;
|    end;
| if MCNT ge 2 then do;
|    P2 = AMMRT2;
|    J2 = 1 + (.01 * ((INTW2 + (INTF2 * .125)) + .125) / 12);
|    if MATBY2 eq 1 then do;
|       K2 = ((12 * (DATEY - WHNGET)) - 6) + DATEM;
|       if K2 le 0 then K2 = 1;
|       if NEWMR2 eq 1 or NEWMR2 eq 3 then do;
|          if TERM2 eq 15-41 then N2 = TERM2 * 12;
|          if (TERM2 eq 1-14 or CANVR2 eq 'X') and AMRTZ2 eq 1-41 then N2 = AMRTZ2 * 12;
|          if (TERM2 eq 1-14 or CANVR2 eq 'X') and AMRTZ2 ne 1-41 then N2 = .D;
|       end;
|       if NEWMR2 eq 2 then N2 = TERM2 * 12;
|    end;
|    if MATBY2 eq 2 then do;
|       if YRMOR2 eq 1900-DATEY then do;
|          K2 = ((12 * (DATEY - YRMOR2)) - 6) + DATEM;
|          if K2 le 0 then K2 = 1;
|       end;
|       if YRMOR2 ne 1900-DATEY then K2 = .D;
|       if TERM2 eq 15-41 then N2 = TERM2 * 12;
|       if (TERM2 eq 1-14 or CANVR2 eq 'X') and AMRTZ2 eq 1-41 then N2 = AMRTZ2 * 12;
|       if (TERM2 eq 1-14 or CANVR2 eq 'X') and AMRTZ2 ne 1-41 then N2 = .D;
|    end;
|    if K2 eq .D or N2 eq .D then OTPIN2 = .D;
|    if K2 ne .D and N2 ne .D then OTPIN2 = (1 - (J2 ** (K2 - N2))) / (1 - (J2 ** ( - N2))) * P2;
| end;
| if MCNT ge 3 then do;
|    if AMMRT3 eq 1-9999998 then OTPIN3 = .75 * AMMRT3;
|    if AMMRT3 ne 1-9999998 then OTPIN3 = 0;
| end;
| if MCNT eq 4 then do;
|    if AMMRT4 eq 1-9999998 then OTPIN4 = .75 * AMMRT4;
|    if AMMRT4 ne 1-9999998 then OTPIN4 = 0;
| end;
| if MCNT eq 1-4 then do;
|    if K1 eq .D or N1 eq .D or K2 eq .D or N2 eq .D then OTPINR = .D;
|    else do;
|       OTPINR = OTPIN1 + OTPIN2 + OTPIN3 + OTPIN4;
```

```
|         if OTPINR ne .D and OTPINR lt 0 then OTPINR = 0;
|      end;
|   end;
|
|
|/* RECODE for CLPEVA - MORT06 - Total Loan as Percent of Value */
|
|   if MCNT eq 1-4 then do;
|      CLPEVAR = .;
|      if OTPINR ne .D then CLPEVAR = OTPINR / (VALUE * 100);
|      if OTPINR eq .D then CLPEVAR = .D;
|   end;
|
|/* RECODE for CRINTR - MORT07 - Interest Rate */
|
|   if MCNT eq 1-4 then do;
|      CRINTRR = .;
|      if MCNT eq 1 then CRINTRR = INTW + (INTF / 8);
|      if MCNT ge 2 then do;
|         if OTPIN1 ne .D and OTPIN2 ne .D then
|            CRINTRR = (((INTW +(INTF/8)) * OTPIN1) + ((INTW2 + (INTF2/8)) * OTPIN2)) / (OTPIN1 + OTPIN2);
|         if OTPIN1 eq .D or OTPIN2 eq .D then CRINTRR = .D;
|      end;
|   end;
|   CLPEVA = round(CLPEVAR,1);
|   CRINTR = round(CRINTRR,.1);
|   OTPIN = round(OTPINR,1);
|end;
|
|
MORT05          \
                \[B]Total Outstanding Principal Amount
                \
                \Less than $10,000                          \OTPIN = 0-9999
                \$10,000 to $19,999                         \OTPIN = 10000-19999
                \$20,000 to $29,999                         \OTPIN = 20000-29999
                \$30,000 to $39,999                         \OTPIN = 30000-39999
                \$40,000 to $49,999                         \OTPIN = 40000-49999
                \$50,000 to $59,999                         \OTPIN = 50000-59999
                \$60,000 to $69,999                         \OTPIN = 60000-69999
                \$70,000 to $79,999                         \OTPIN = 70000-79999
                \$80,000 to $99,999                         \OTPIN = 80000-99999
```

```
          \$100,000 to $119,999                              \OTPIN = 100000-119999
          \$120,000 to $149,999                              \OTPIN = 120000-149999
          \$150,000 to $199,999                              \OTPIN = 150000-199999
          \$200,000 to $249,999                              \OTPIN = 200000-249999
          \$250,000 to $299,999                              \OTPIN = 250000-299999
          \$300,000 or more                                  \OTPIN ge 300000
          \Not reported                                      \OTPIN = .D
          \[B]Median                                         \
~TYP=50 ROW=17,17
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~  RANGES=0,10000,20000,30000,40000,50000,60000,70000,80000,100000
~  CELLS=R10,R11,R12,R13,R14,R15
~  RANGES=120000,150000,200000,250000,300000,999998;
*OVERRIDES=10000,300000;


MORT06        \
          \[B]Current Total Loan as Percent of Value
          \
          \Less than 20 percent                              \CLPEVA = 0-19
          \20 to 39 percent                                  \CLPEVA = 20-39
          \40 to 59 percent                                  \CLPEVA = 40-59
          \60 to 79 percent                                  \CLPEVA = 60-79
          \80 to 89 percent                                  \CLPEVA = 80-89
          \90 to 99 percent                                  \CLPEVA = 90-99
          \100 percent or more                               \CLPEVA ge 100
          \Not reported                                      \CLPEVA = .D
!8.1!     \[B]Median                                         \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6,R7
~  RANGES=0,20,40,60,80,90,100,998;
*OVERRIDES=20,100;


MORT07        \
          \[B]Current Interest Rate
          \
          \Less than 6 percent                               \0.0 le CRINTR lt 6.0
          \6 to 7.9 percent                                  \6.0 le CRINTR lt 8.0
          \8 to 9.9 percent                                  \8.0 le CRINTR lt 10.0
          \10 to 11.9 percent                                \10.0 le CRINTR lt 12.0
          \12 to 13.9 percent                                \12.0 le CRINTR lt 14.0
          \14 to 15.9 percent                                \14.0 le CRINTR lt 16.0
```

```
            \16 to 17.9 percent                               \16.0 le CRINTR lt 18.0
            \18 to 19.9 percent                               \18.0 le CRINTR lt 20.0
            \20 percent or more                               \CRINTR ge 20.0
            \Not reported                                     \CRINTR = .D
!8.1!       \[B]Median                                        \
~TYP=50 ROW=11,11
~   CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~   RANGES=0,6,8,10,12,14,16,18,20,20.9;
*OVERRIDES=6,20;

MORT08      \
            \[B]Year Primary Mortgage Originated
            \
            \2005 to 2009                                     \(MATBUY = 1 and WHNGET = 2005-2009) or \
            \                                                 \(MATBUY = 2 and YRMOR = 2005-2009)
            \2000 to 2004                                     \(MATBUY = 1 and WHNGET = 2000-2004) or \
            \                                                 \(MATBUY = 2 and YRMOR = 2000-2004)
            \1995 to 1999                                     \(MATBUY = 1 and WHNGET = 1995-1999) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1995-1999)
            \1990 to 1994                                     \(MATBUY = 1 and WHNGET = 1990-1994) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1990-1994)
            \1985 to 1989                                     \(MATBUY = 1 and WHNGET = 1985-1989) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1985-1989)
            \1980 to 1984                                     \(MATBUY = 1 and WHNGET = 1980-1984) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1980-1984)
            \1975 to 1979                                     \(MATBUY = 1 and WHNGET = 1975-1979) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1975-1979)
            \1970 to 1974                                     \(MATBUY = 1 and WHNGET = 1970-1974) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1970-1974)
            \1969 or earlier                                  \(MATBUY = 1 and WHNGET = 1960-1969) or \
            \                                                 \(MATBUY = 2 and YRMOR = 1960-1969)
            \[B]Median                                        \
~TYP=50 ROW=10,10
~   CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~   RANGES=2009,2005,2000,1995,1990,1985,1980,1975,1970,1960;
*OVERRIDES=1969,2005;

MORT09      \
            \[B]Term of Primary Mortgage at Origination
            \ or Assumption
            \
```

```
            \Less than 8 years                                      \TERM = 1-7
            \8 to 12 years                                          \TERM = 8-12
            \13 to 17 years                                         \TERM = 13-17
            \18 to 22 years                                         \TERM = 18-22
            \23 to 27 years                                         \TERM = 23-27
            \28 to 32 years                                         \TERM = 28-32
            \33 years or more                                       \TERM ge 33
            \Variable                                               \CANVAR = "X"
            \[B]Median                                              \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6,R7
~  RANGES=1,8,13,18,23,28,33,40;
*OVERRIDES=8,33;

|/* RECODE for RYMORT - MORT10 - Remaining Years Mortgaged */
|
|if STATUS eq 1 then do;
|    if MCNT eq 1-4 and CANVAR ne 'X' and CANVR2 ne 'X' then do;
|        if MCNT eq 1 then do;
|            if MATBUY eq 1 then RYMORT = TERM - (DATEY - WHNGET);
|            if MATBUY eq 2 then RYMORT = TERM - (DATEY - YRMOR);
|        end;
|        if MCNT eq 2-4 then do;
|            if MATBUY eq 1 then RYMORT1 = TERM - (DATEY - WHNGET);
|            if MATBUY eq 2 then RYMORT1 = TERM - (DATEY - YRMOR);
|            if MATBY2 eq 1 then RYMORT2 = TERM2 - (DATEY - WHNGET);
|            if MATBY2 eq 2 then RYMORT2 = TERM2 - (DATEY - YRMOR2);
|            if RYMORT1 ge RYMORT2 then RYMORT = RYMORT1;
|            if RYMORT1 lt RYMORT2 then RYMORT = RYMORT2;
|            if RYMORT lt 0 then RYMORT = 0
|        end;
|    end;
|end;
|

MORT10       \
            \[B]Remaining Years Mortgaged
            \
            \Less than 8 years                                      \RYMORT = 0-7
            \8 to 12 years                                          \RYMORT = 8-12
            \13 to 17 years                                         \RYMORT = 13-17
```

```
          \18 to 22 years                                      \RYMORT = 18-22
          \23 to 27 years                                      \RYMORT = 23-27
          \28 to 32 years                                      \RYMORT = 28-32
          \33 years or more                                    \RYMORT ge 33
          \Variable                                            \CANVAR = "X" or CANVR2 = "X"
          \[B]Median                                           \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6,R7
~  RANGES=0,8,13,18,23,28,33,40;
*OVERRIDES=8,33;


MORT12        \
          \[B]Items Included in Primary Mortgage
          \ Payment@1
          \
          \Principal and interest only                         \TAXPMT = 2 and INSPMT = 2 and \
          \                                                     \OTHPMT = 2 and PMIPMT = 2
          \Property taxes                                       \TAXPMT = 1
          \Property insurance                                   \INSPMT = 1
          \Private mortgage insurance                           \PMIPMT = 1
          \Other                                                \OTHPMT = 1
          \Not reported                                         \TAXPMT = "D" or TAXPMT = "R" or TAXPMT = " " or \
          \                                                     \INSPMT = "D" or INSPMT = "R" or INSPMT = " " or \
          \                                                     \OTHPMT = "D" or OTHPMT = "R" or OTHPMT = " " or \
          \                                                     \PMIPMT = "D" or PMIPMT = "R" or PMIPMT = " "
\[F]@1Figures may not add to total because more than one category may apply to a unit.


MORT14        \
          \[B]Lenders of Primary and Secondary
          \ Mortgages
          \
          \Only borrowed from firm(s)                           \(MCNT = 1 and (MORTIN = 1-3 or BANK = 1)) or \
          \                                                     \(MCNT = 2-4 and ((MORTIN = 1-3 or BANK = 1) and \
          \                                                     \(MORTN2 = 1-3 or BANK2 = 1)))
          \Only borrowed from seller                            \(MCNT = 1 and SELL = 1) or (MCNT = 2-4 and \
          \                                                     \SELL = 1 and SELL2 = 1)
          \Only borrowed from other individual(s)               \(MCNT = 1 and SELL = 2) or (MCNT = 2-4 and \
          \                                                     \SELL = 2 and SELL2 = 2)
          \Borrowed from a firm and seller                      \MCNT = 2-4 and (((MORTIN = 1-3 or BANK = 1) and \
          \                                                     \SELL2 = 1) or (SELL = 1 and (MORTN2 = 1-3 or \
          \                                                     \BANK2 = 1)))
```

```
            \Borrowed from a firm and other
            \ individual                                      \MCNT = 2-4 and (((MORTIN = 1-3 or BANK = 1) and \
            \                                                 \SELL2 = 2) or (SELL = 2 and (MORTN2 = 1-3 or \
            \                                                 \BANK2 = 1)))
            \Borrowed from seller and other
            \ individual                                      \MCNT = 2-4 and ((SELL = 1 and SELL2 = 2) or \
            \                                                 \(SELL = 2 and SELL2 = 1))
            \One or both sources not reported                 \MORTIN = "D" or MORTIN = "R" or MORTIN = " " or \
            \                                                 \MORTN2 = "D" or MORTN2 = "R" or MORTN2 = " " or \
            \                                                 \(MORTIN = 4-5 and (BANK = "D" or BANK = "R" or \
            \                                                 \BANK = " ")) or (MORTN2 = 4-5 and (BANK2 = "D" or \
            \                                                 \BANK2 = "R" or BANK2 = " ")) or (BANK = 2 and \
            \                                                 \(SELL = "D" or SELL = "R" or SELL = " ")) or \
            \                                                 \(BANK2 = 2 and (SELL2 = "D" or SELL2 = "R" or \
            \                                                 \SELL2 = " "))

|/* RECODE for PAYPM1 - MORT15 - Payment Plan of Primary Mortgage */
|
|if STATUS eq 1 then do;
|    if MCNT ne 1-4 then PAYPM1 ='B';
|    if MCNT eq 1-4 then do;
|        PAYPM1 = 'D';
|        COUNT = 0;
|        if ARM eq 'X' then COUNT = COUNT + 1;
|        if GPM eq 'X' then COUNT = COUNT + 1;
|        if GPMW eq 'X' then COUNT = COUNT + 1;
|        if BLOON eq 'X' then COUNT = COUNT + 1;
|        if VARM eq 'X' then COUNT = COUNT + 1;
|        if (COUNT eq 2 and (GPM ne 'X' or GPMW ne 'X')) or COUNT gt 2 then PAYPM1 = 7;
|        else if MATBUY eq 2 or NEWMOR eq 1 or NEWMOR eq 3 then do;
|            if ((TERM eq 1-14 and TERM ge AMRTZ) or TERM eq 15-41) and ((VARY eq 1) or (FIXED eq 'X' and
|                ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and BLOON ne 'X' and VARM ne 'X')) then PAYPM1 = 1;
|            else if ((TERM eq 1-14 and TERM ge AMRTZ) or TERM eq 15-41) and (ARM eq 'X' and GPM ne 'X' and
|                GPMW ne 'X' and BLOON ne 'X' and VARM ne 'X') then PAYPM1 = 2;
|            else if CANVAR eq 'X' and (VARY eq 1 or (FIXED eq 'X' and ARM ne 'X' and GPM ne 'X' and
|                GPMW ne 'X' and BLOON ne 'X' and VARM ne 'X')) then PAYPM1 = 3;
|            else if ((TERM eq 1-14 and TERM ge AMRTZ) or TERM eq 15-41) and (ARM ne 'X' and
|                (GPM eq 'X' or GPMW eq 'X') and BLOON ne 'X' and VARM ne 'X') then PAYPM1 = 4;
|            else if (TERM eq 1-14 and TERM lt AMRTZ and (VARY eq 1 or ((FIXED eq 'X' or BLOON eq 'X') and
|                ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and VARM ne 'X'))) or (TERM eq 1-41 and BLOON eq 'X' and
|                ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and VARM ne 'X') then PAYPM1 = 5;
```

```
|          else if (TERM eq 1-41 and TERM lt AMRTZ) and (ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and
|             BLOON ne 'X' and VARM eq 'X') then PAYPM1 = 6;
|          else if (CANVAR eq 'X' and (ARM eq 'X' or GPM eq 'X' or GPMW eq 'X' or BLOON eq 'X' or VARM eq 'X')) or
|             ((TERM eq 1-14 and TERM lt ARMTZ) and (ARM eq 'X' or GPM eq 'X' or GPMW eq 'X' or VARM eq 'X')) then
|             PAYPM1 = 7;
|          else if (VARY eq 'D' or VARY eq 'R' or VARY eq ' ') or (VARY eq 2 and FIXED ne 'X' and ARM ne 'X' and
|             GPM ne 'X' and GPMW ne 'X' and BLOON ne 'X' and VARM ne 'X') or (VARY eq 2 and FIXED ne 'X' and
|             ARM ne 'X' and GPM eq 'X' and GPMW eq 'X' and BLOON ne 'X' and VARM ne 'X') then PAYPM1 = 'D';
|          end;
|       else if NEWMOR eq 2 then do;
|          if VARY eq 1 or (FIXED eq 'X' and ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and BLOON ne 'X' and
|          VARM ne 'X') then PAYPM1 = 1;
|          else if BLOON eq 'X' and ARM ne 'X' and GPM ne 'X' and GPMW ne 'X' and VARM ne 'X' then PAYPM1 = 5;
|          else if (VARY eq 'D' or VARY eq 'R' or VARY eq ' ') or (VARY eq 2 and FIXED ne 'X' and ARM ne 'X' and
|             GPM ne 'X' and GPMW ne 'X' and VARM ne 'X') or (VARY eq 2 and FIXED ne 'X' and ARM ne 'X' and
|             GPM eq 'X' and GPMW eq 'X' and BLOON ne 'X' and VARM ne 'X') then PAYPM1 = 'D';
|          end;
|       end;
|    end;
|end;
|

MORT15       \
             \[B]Payment Plan of Primary Mortgage
             \
             \Fixed payment, self-amortizing                \PAYPM1 = 1
             \Adjustable rate mortgage                      \PAYPM1 = 2
             \Adjustable term mortgage                      \PAYPM1 = 3
             \Graduated payment mortgage                    \PAYPM1 = 4
             \Balloon                                       \PAYPM1 = 5
             \Other                                         \PAYPM1 = 6
             \Combination of the above                      \PAYPM1 = 7
             \Not reported                                  \PAYPM1 = "D"

|/* RECODE for PAYPM2 - MORT16 - Payment Plan of Secondary Mortgage */
|
|if STATUS eq 1 then do;
|    if MCNT ne 2-4 then PAYPM2 = 'B';
|    if MCNT eq 2-4 then do;
|       PAYPM2 = 'D';
|       COUNT2 = 0;
```

```
|        if ARM2 eq 'X' then COUNT2 = COUNT2 + 1;
|        if GPM2 eq 'X' then COUNT2 = COUNT2 + 1;
|        if GPMW2 eq 'X' then COUNT2 = COUNT2 + 1;
|        if BLOON2 eq 'X' then COUNT2 = COUNT2 + 1;
|        if VARM2 eq 'X' then COUNT2 = COUNT2 + 1;
|        if (COUNT2 eq 2 and (GPM2 ne 'X' or GPMW2 ne 'X')) or COUNT2 gt 2 then PAYPM2 = 7;
|        else if MATBY2 eq 2 or NEWMR2 eq 1 or NEWMR2 eq 3 then do;
|           if ((TERM2 eq 1-14 and TERM2 ge AMRTZ2) or TERM2 eq 15-41) and ((VARY2 eq 1) or (FIXED2 eq 'X' and
|              ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and BLOON2 ne 'X' and VARM2 ne 'X')) then PAYPM2 = 1;
|           else if ((TERM2 eq 1-14 and TERM2 ge AMRTZ2) or TERM2 eq 15-41) and (ARM2 eq 'X' and GPM2 ne 'X' and
|              GPMW2 ne 'X' and BLOON2 ne 'X' and VARM2 ne 'X') then PAYPM2 = 2;
|           else if CANVR2 eq 'X' and (VARY2 eq 1 or (FIXED2 eq 'X' and ARM2 ne 'X' and GPM2 ne 'X' and
|              GPMW2 ne 'X' and BLOON2 ne 'X' and VARM2 ne 'X')) then PAYPM2 = 3;
|           else if ((TERM2 eq 1-14 and TERM2 ge AMRTZ2) or TERM2 eq 15-41) and (ARM2 ne 'X' and (GPM2 eq 'X' or
|              GPMW2 eq 'X') and BLOON2 ne 'X' and VARM2 ne 'X') then PAYPM2 = 4;
|           else if (TERM2 eq 1-14 and TERM2 lt AMRTZ2 and (VARY2 eq 1 or ((FIXED2 eq 'X' or BLOON2 eq 'X') and
|              ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and VARM2 ne 'X'))) or (TERM2 eq 1-41 and BLOON2 eq 'X' and
|              ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and VARM2 ne 'X') then PAYPM2 = 5;
|           else if (TERM2 eq 1-41 and TERM2 lt AMRTZ2) and (ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and
|              BLOON2 ne 'X' and VARM2 eq 'X') then PAYPM2 = 6;
|           else if (CANVR2 eq 'X' and (ARM2 eq 'X' or GPM2 eq 'X' or GPMW2 eq 'X' or BLOON2 eq 'X' or
|              VARM2 eq 'X')) or ((TERM2 eq 1-14 and TERM2 lt ARMTZ2) and (ARM2 eq 'X' or GPM2 eq 'X' or
|              GPMW2 eq 'X' or VARM2 eq 'X')) then PAYPM2 = 7;
|           else if (VARY2 eq 'D' or VARY2 eq 'R' or VARY2 eq ' ') or (VARY2 eq 2 and FIXED2 ne 'X' and ARM2 ne 'X' and
|              GPM2 ne 'X' and GPMW2 ne 'X' and BLOON2 ne 'X' and VARM2 ne 'X') or (VARY2 eq 2 and FIXED2 ne 'X' and
|              ARM2 ne 'X' and GPM2 eq 'X' and GPMW2 eq 'X' and BLOON2 ne 'X' and VARM2 ne 'X') then PAYPM2 = 'D';
|        end;
|        else if NEWMR2 eq 2 then do:
|           if VARY2 eq 1 or (FIXED2 eq 'X' and ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and BLOON2 ne 'X' and
|              VARM2 ne 'X') then PAYPM2 = 1;
|           else if BLOON2 eq 'X' and ARM2 ne 'X' and GPM2 ne 'X' and GPMW2 ne 'X' and VARM2 ne 'X' then PAYPM2 = 5;
|           else if (VARY2 eq 'D' or VARY2 eq 'R' or VARY2 eq ' ') or (VARY2 eq 2 and FIXED2 ne 'X' and ARM2 ne 'X' and
|              GPM2 ne 'X' and GPMW2 ne 'X' and VARM2 ne 'X') or (VARY2 eq 2 and FIXED2 ne 'X' and ARM2 ne 'X' and
|              GPM2 eq 'X' and GPMW2 eq 'X' and BLOON2 ne 'X' and VARM2 ne 'X') then PAYPM2 = 'D';
|        end;
|     end;
|end;
|

MORT16      \
            \[B]Payment Plan of Secondary Mortgage
```

```
            \
            \++          Units with two or more mortgages        \MCNT = 2-4
            \Fixed payment, self-amortizing                      \PAYPM2 = 1
            \Adjustable rate mortgage                            \PAYPM2 = 2
            \Adjustable term mortgage                            \PAYPM2 = 3
            \Graduated payment mortgage                          \PAYPM2 = 4
            \Balloon                                             \PAYPM2 = 5
            \Other                                               \PAYPM2 = 6
            \Combination of the above                            \PAYPM2 = 7
            \Not reported                                        \PAYPM2 = "D"

MORT18      \
            \[B]Number of Regular Mortgages and
            \ Home-Equity Mortgages
            \
            \1 mortgage                              \(MCNT = 1 and HELC = 2) or \
            \                                        \(MCNT = .B and HELCN = 1)
            \2 mortgages                             \(MCNT = 2 and HELC = 2) or (MCNT = .B and \
            \                                        \HELCN = 2) or (MCNT = 1 and HELCN = 1)
            \3 mortgages or more                     \(MCNT = 1 and HELCN = 2-10) or (MCNT = 2 and \
            \                                        \HELCN = 1-10) or MCNT = 3-4 or HELCN = 3-10
            \Number not reported                     \(MCNT = .B or MCNT = 1-2) and \
            \                                        \((HELC = "D" or HELC = "R" or HELC = " ") or \
            \                                        \(HELC = 1 and (HELCN = .D or \
            \                                        \HELCN = .R or HELCN = .)))

MORT20      \
            \[B]Mortgages Currently on Property@6
            \
            \None, owned free and clear             \MG = 2 and HELUMP = 2 and HELC = 2 and \
            \                                        \(RAM = 2 or RAM = "B" or RAM = "D" or \
            \                                        \RAM = "R" or RAM = " ")
            \Reverse mortgage                        \RAM = 1
            \Regular and/or home-equity mortgage@1   \MG = 1 or HELUMP = 1 or HELC = 1
            \  Regular mortgage                       \MG = 1
            \  Home-equity lump-sum mortgage          \HELUMP = 1
            \  Home-equity line of credit             \HELC = 1
            \Line of credit not reported,
            \ no regular or lump sum                 \MG = 2 and HELUMP = 2 and \
            \                                        \(HELC = "D" or HELC = "R" or HELC = " ")
\[F]@6Regular mortgages include all mortgages not classified as home-equity or reverse.
```

\[F]@1Figures may not add to total because more than one category may apply to a unit.

```
MORT21      \
            \[B]Types of Mortgages
            \
            \Regular and home-equity lump sum          \MG = 1 and HELUMP = 1
            \  With home-equity line of credit         \MG = 1 and HELUMP = 1 and HELC = 1
            \  No home-equity line of credit           \MG = 1 and HELUMP = 1 and HELC = 2
            \  Home-equity line of credit not
            \    reported                              \MG = 1 and HELUMP = 1 and \
            \                                          \(HELC = "D" or HELC = "R" or HELC = " ")
            \Regular, no home-equity lump sum          \MG = 1 and HELUMP = 2
            \  With home-equity line of credit         \MG = 1 and HELUMP = 2 and HELC = 1
            \  No home-equity line of credit           \MG = 1 and HELUMP = 2 and HELC = 2
            \  Home-equity line of credit not
            \    reported                              \MG = 1 and HELUMP = 2 and \
            \                                          \(HELC = "D" or HELC = "R" or HELC = " ")
            \Home-equity lump sum, no regular          \MG = 2 and HELUMP = 1
            \  With home-equity line of credit         \MG = 2 and HELUMP = 1 and HELC = 1
            \  No home-equity line of credit           \MG = 2 and HELUMP = 1 and HELC = 2
            \  Home-equity line of credit not
            \    reported                              \MG = 2 and HELUMP = 1 and \
            \                                          \(HELC = "D" or HELC = "R" or HELC = " ")
            \No regular or home-equity lump sum        \MG = 2 and HELUMP = 2
            \  With home-equity line of credit         \MG = 2 and HELUMP = 2 and HELC = 1
            \  No home-equity line of credit           \MG = 2 and HELUMP = 2 and HELC = 2
            \  Home-equity line of credit not
            \    reported                              \MG = 2 and HELUMP = 2 and \
            \                                          \(HELC = "D" or HELC = "R" or HELC = " ")

MORT22      \
            \[B]Land Contract
            \
            \++         Units with one regular
            \       mortgage only                      \REGMOR = 1 and HELUMP = 2 and HELC = 2
            \Mortgage is a land contract               \LANDC = 1
            \Not a land contract                       \LANDC = 2
            \Not reported                              \LANDC = "D" or LANDC = "R" or LANDC = " "

MORT23      \
            \[B]Reason Primary Mortgage Refinanced
```

```
            \
            \++         Units with a refinanced
            \         primary mortgage@1                    \REFI = 1
            \To get lower interest rate                     \LOWINT = "X"
            \To reduce the monthly payment                  \REDMON = "X"
            \To increase payment period                     \INCPER = "X"
            \To reduce payment period                       \REDPAY = "X"
            \To renew or extend a loan that has
            \ fallen due                                    \EXTLON = "X"
            \To receive cash                                \GTCASH = "X"
            \Other reason                                   \OTHREF = "X"
\[F]@1Figures may not add to total because more than one category may apply to a unit.

MORT24      \
            \[B]Cash Received in Primary
            \ Mortgage Refinance
            \
            \++         Received refinance cash            \GTCASH = "X"
            \Less than $10,000                              \CASH = 1-9999
            \$10,000 to $19,999                             \CASH = 10000-19999
            \$20,000 to $29,999                             \CASH = 20000-29999
            \$30,000 to $39,999                             \CASH = 30000-39999
            \$40,000 to $49,999                             \CASH = 40000-49999
            \$50,000 to $59,999                             \CASH = 50000-59999
            \$60,000 to $69,999                             \CASH = 60000-69999
            \$70,000 to $79,999                             \CASH = 70000-79999
            \$80,000 to $99,999                             \CASH = 80000-99999
            \$100,000 to $119,999                           \CASH = 100000-119999
            \$120,000 to $149,999                           \CASH = 120000-149999
            \$150,000 or more                               \CASH ge 150000
            \Not reported                                   \CASH = .D or CASH = .R or CASH = .
            \[B]Median                                      \
~TYP=50 ROW=15,15
~   CELLS=R2,R3,R4,R5,R6,R7
~   RANGES=1,10000,20000,30000,40000,50000,60000
~   CELLS=R8,R9,R10,R11,R12,R13
~   RANGES=70000,80000,100000,120000,150000,9999998;
*OVERRIDES=10000,150000;

MORT25      \
            \[B]Percent of Primary Mortgage
```

```
          \ Refinanced Cash Used for Home
          \ Additions, Improvements, or Repairs
          \
          \++         Received refinanced cash              \GTCASH = "X"
          \Zero percent                                     \ADDTNS = 0
          \1 to 9 percent                                   \ADDTNS = 1-9
          \10 to 19 percent                                 \ADDTNS = 10-19
          \20 to 29 percent                                 \ADDTNS = 20-29
          \30 to 39 percent                                 \ADDTNS = 30-39
          \40 to 49 percent                                 \ADDTNS = 40-49
          \50 to 59 percent                                 \ADDTNS = 50-59
          \60 to 69 percent                                 \ADDTNS = 60-69
          \70 to 79 percent                                 \ADDTNS = 70-79
          \80 to 89 percent                                 \ADDTNS = 80-89
          \90 to 99 percent                                 \ADDTNS = 90-99
          \100 percent                                      \ADDTNS = 100
          \Not reported                                     \ADDTNS = .D or ADDTNS = .R or ADDTNS = .
!8.1!     \[B]Median                                        \
~TYP=50 ROW=15,15
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13
~  RANGES=0,1,10,20,30,40,50,60,70,80,90,100,100;
*OVERRIDES=10,90;

MORT26    \
          \[B]Percent of Nonrefinanced Primary
          \ Mortgage, Including Home-Equity Lump
          \ Sum, Used for Home Purchase and
          \ Improvement
          \
          \++         Units with a nonrefinanced
          \           primary mortgage                      \REFI = 2
          \Zero percent                                     \PERUS1 = 0
          \1 to 9 percent                                   \PERUS1 = 1-9
          \10 to 19 percent                                 \PERUS1 = 10-19
          \20 to 29 percent                                 \PERUS1 = 20-29
          \30 to 39 percent                                 \PERUS1 = 30-39
          \40 to 49 percent                                 \PERUS1 = 40-49
          \50 to 59 percent                                 \PERUS1 = 50-59
          \60 to 69 percent                                 \PERUS1 = 60-69
          \70 to 79 percent                                 \PERUS1 = 70-79
          \80 to 89 percent                                 \PERUS1 = 80-89
```

```
            \90 to 99 percent                                      \PERUS1 = 90-99
            \100 percent                                           \PERUS1 = 100
            \Not reported                                          \PERUS1 = .D or PERUS1 = .R or PERUS1 = .
!8.1!       \[B]Median                                             \
~TYP=50 ROW=15,15
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13
~  RANGES=0,1,10,20,30,40,50,60,70,80,90,100,100;
*OVERRIDES=10,90;


|/* RECODES FOR MORT27 - MORT30 */
|
|if STATUS eq 1 then do;
|
|/* RECODE for CRDLMT - MORT27 - Total Home-Equity Line-of-Credit Limit */
|
|    if HELC eq 1 then do;
|       if HELCN eq 1 or HELCN eq .D or HELCN eq .R then do;
|          if HECR1 eq 1-9999998 then CRDLMT = HECR1;
|          else CRDLMT = .D;
|       end;
|       else if HELCN eq 2 then do;
|          if HECR1 eq 1-9999998 and HECR2 eq 1-9999998 then CRDLMT = HECR1 + HECR2;
|          else CRDLMT = .D;
|       end;
|       else if HELCM eq 3-10 then do;
|          if HECR1 eq 1-9999998 and HECR2 eq 1-9999998 and HECR3 eq 1-9999998 then CRDLMT = HECR1 + HECR2 + HECR3;
|          else CRDLMT = .D;
|       end;
|       else CRDLMT = .D;
|    end;
|
|/* RECODE for CRDLNS - MORT28 - Total Outstanding Line-of-Credit Loans */
|
|    if HEBAL1 eq 1 then do;
|       if HELCN eq 1 or HELCN eq .D or HELCN eq .R or (HELCN eq 2 and HEBAL2 eq 2) then do;
|          if HEBAM1 eq 1-9999998 then CRDLNS = HEBAM1;
|          else CRDLNS = .D;
|       end;
|       else if HELCN eq 2 and HEBAL2 eq 1 or (HELCN eq 3-10 and HEBAL3 eq 2) then do;
|          if HEBAM1 eq 1-9999998 and HEBAM2 eq 1-9999998 then CRDLNS = HEBAM1 + HEBAM2;
|          else CRDLNS = .D;
```

```
|       end;
|       else if HELCN eq 3-10 and HEBAL3 eq 1 then do;
|           if HEBAM1 eq 1-9999998 and HEBAM2 eq 1-9999998 and HEBAM3 eq 1-9999998 then
|               CRDLNS = HEBAM1 + HEBAM2 + HEBAM3;
|           else CRDLNS = .D;
|       end;
|    end;
|
|/* RECODE for CRDINT - MORT29 - Current Line-of-credit Interest Rate */
|
|    if HEBAL1 eq 1 then do;
|       if HELCN eq 1 or HELCN eq .D or HELCN eq .R or (HELCN eq 2-10 and HEBAL2 eq 2) then do;
|           if HEBAM1 eq 1-9999998 and HEINW1 eq 1-25 and HEINF1 eq 0-7 then CRDINT = HEINW1 + (HEINF1 / 8);
|       else CRDINT = .D;
|       end;
|       else if HELCN eq 2-10 and HEBAL2 eq 1 then do;
|           if HEBAM1 eq 1-9999998 and HEINW1 eq 1-25 and HEINF1 eq 0-7 and HEBAM2 eq 1-9999998 and
|               HEINW2 eq 1-25 and HEINF2 eq 0-7 then
|               CRDINT = (((HEINW1 + (HEINF1 / 8)) * HEBAM1) + ((HEINW2 + (HEINF2 / 8)) * HEBAM2)) / (HEBAM1 + HEBAM2);
|           else CRDINT = .D;
|       end;
|    else CRDINT = .D;
|    end;
|
|/* RECODE for CRDPMT - MORT30 - Line-of-Credit Monthly Payment */
|
|    if HEBAL1 eq 1 then do;
|       if HELCN eq 1 or HELCN eq .D or HELCN eq .R or (HELCN eq 2 and HEBAL2 eq 2) then do;
|           if HEPMT1 eq 1-9998 then CRDPMT = HEPMT1;
|       else CRDPMT = .D;
|       end;
|    else
|    if (HELCN eq 2 and HEBAL2 eq 1) or (HELCN eq 3-10 and HEBAL3 eq 2) then do;
|       if HEPMT1 eq 1-9998 and HEPMT2 eq 1-9998 then CRDPMT = HEPMT1 + HEPMT2;
|       else CRDPMT = .D;
|    end;
|    else if HELCN eq 3-10 and HEBAL3 eq 1 then do;
|       if HEPMT1 eq 1-9998 and HEPMT2 eq 1-9998 and HEPMT3 eq 1-9998 then CRDPMT = HEPMT1 + HEPMT2 + HEPMT3;
|       else CRDPMT = .D;
|    end;
|    else CRDPMT = .D;
```

```
|    end;
|end;
|

MORT27          \
                \[B]Total Home-Equity Line-of-Credit Limit
                \
                \Less than $10,000                               \CRDLMT = 1-9999
                \$10,000 to $19,999                              \CRDLMT = 10000-19999
                \$20,000 to $29,999                              \CRDLMT = 20000-29999
                \$30,000 to $39,999                              \CRDLMT = 30000-39999
                \$40,000 to $49,999                              \CRDLMT = 40000-49999
                \$50,000 to $59,999                              \CRDLMT = 50000-59999
                \$60,000 to $69,999                              \CRDLMT = 60000-69999
                \$70,000 to $79,999                              \CRDLMT = 70000-79999
                \$80,000 to $99,999                              \CRDLMT = 80000-99999
                \$100,000 to $119,999                            \CRDLMT = 100000-119999
                \$120,000 to $149,999                            \CRDLMT = 120000-149999
                \$150,000 or more                                \CRDLMT = 150000-9999998
                \Not reported                                    \CRDLMT = .D
                \[B]Median                                       \
~TYP=50 ROW=14,14
~   CELLS=R1,R2,R3,R4,R5,R6
~   RANGES=1,10000,20000,30000,40000,50000,60000
~   CELLS=R7,R8,R9,R10,R11,R12
~   RANGES=70000,80000,100000,120000,150000,9999998;
*OVERRIDES=10000,150000;

MORT28          \
                \[B]Total Outstanding Line-of-Credit Loans
                \
                \++         Outstanding loan(s)                  \HEBAL1 = 1
                \Less than $10,000                               \CRDLNS = 1-9999
                \$10,000 to $19,999                              \CRDLNS = 10000-19999
                \$20,000 to $29,999                              \CRDLNS = 20000-29999
                \$30,000 to $39,999                              \CRDLNS = 30000-39999
                \$40,000 to $49,999                              \CRDLNS = 40000-49999
                \$50,000 to $59,999                              \CRDLNS = 50000-59999
                \$60,000 to $69,999                              \CRDLNS = 60000-69999
                \$70,000 to $79,999                              \CRDLNS = 70000-79999
                \$80,000 to $99,999                              \CRDLNS = 80000-99999
```

```
          \$100,000 to $119,999                              \CRDLNS = 100000-119999
          \$120,000 to $149,999                              \CRDLNS = 120000-149999
          \$150,000 or more                                  \CRDLNS = 150000-9999998
          \Not reported                                      \CRDLNS = .D
          \[B]Median                                         \
~TYP=50 ROW=15,15
~  CELLS=R2,R3,R4,R5,R6,R7
~  RANGES=1,10000,20000,30000,40000,50000,60000
~  CELLS=R8,R9,R10,R11,R12,R13
~  RANGES=70000,80000,100000,120000,150000,9999998;
*OVERRIDES=10000,150000;


MORT29       \
          \[B]Current Line-of-Credit Interest Rate
          \
          \++        Outstanding loan(s)                     \HEBAL1 = 1
          \Less than 6 percent                               \0.0 le CRDINT lt 6.0
          \6 to 7.9 percent                                  \6.0 le CRDINT lt 8.0
          \8 to 9.9 percent                                  \8.0 le CRDINT lt 10.0
          \10 to 11.9 percent                                \10.0 le CRDINT lt 12.0
          \12 to 13.9 percent                                \12.0 le CRDINT lt 14.0
          \14 to 15.9 percent                                \14.0 le CRDINT lt 16.0
          \16 to 17.9 percent                                \16.0 le CRDINT lt 18.0
          \18 to 19.9 percent                                \18.0 le CRDINT lt 20.0
          \20 percent or more                                \CRDINT ge 20.0
          \Not reported                                      \CRDINT = .D
!8.1!        \[B]Median                                      \
~TYP=50 ROW=12,12
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10
~  RANGES=0,6,8,10,12,14,16,18,20,20.9;
*OVERRIDES=6,20;


MORT30       \
          \[B]Line-of-Credit Monthly Payment
          \
          \++        Outstanding loan(s)                     \HEBAL1 = 1
          \Less than $100                                    \CRDPMT = 1-99
          \$100 to $199                                      \CRDPMT = 100-199
          \$200 to $249                                      \CRDPMT = 200-249
          \$250 to $299                                      \CRDPMT = 250-299
          \$300 to $349                                      \CRDPMT = 300-349
```

```
        \$350 to $399                                        \CRDPMT = 350-399
        \$400 to $449                                        \CRDPMT = 400-449
        \$450 to $499                                        \CRDPMT = 450-499
        \$500 to $599                                        \CRDPMT = 500-599
        \$600 to $699                                        \CRDPMT = 600-699
        \$700 to $799                                        \CRDPMT = 700-799
        \$800 to $999                                        \CRDPMT = 800-999
        \$1,000 or more                                      \CRDPMT = 1000-9998
        \Not reported                                        \CRDPMT = .D
        \[B]Median                                           \
~TYP=50 ROW=16,16
~  CELLS=R2,R3,R4,R5,R6,R7,R8
~  RANGES=1,100,200,250,300,350,400,450
~  CELLS=R9,R10,R11,R12,R13,R14
~  RANGES=500,600,700,800,1000,9998;
*OVERRIDES=100,1000;


MORT31      \
        \[B]Line-of-Credit Amount Used for Home
        \ Additions, Improvements, or Repairs
        \
        \++        Outstanding loan(s)                       \HEBAL1 = 1
        \Yes                                                 \IMPROV = 1 or IMPRV2 = 1
        \No                                                  \IMPROV = 2 and (IMPRV2 = 2 or IMPRV2 = "B")
        \Not reported                                        \(IMPROV ne 1 and IMPROV ne 2) and \
        \                                                    \(IMPRV2 ne 1 and IMPRV2 ne 2)

|* RECODE for HHMOVE - MOVE01 - Year Householder Moved into Unit */
|
|if STATUS eq 1 then do;
|   if HHMEM eq 1 then do;
|      if REL eq 1-2 then HHMOVE = MOVE;
|   end;
|end;
|

MOVE01      \
        \[B]Year Householder Moved Into Unit
        \
        \2005 to 2009                                        \HHMOVE = 2005-2009
        \2000 to 2004                                        \HHMOVE = 2000-2004
```

```
        \1995 to 1999                                        \HHMOVE = 1995-1999
        \1990 to 1994                                        \HHMOVE = 1990-1994
        \1985 to 1989                                        \HHMOVE = 1985-1989
        \1980 to 1984                                        \HHMOVE = 1980-1984
        \1975 to 1979                                        \HHMOVE = 1975-1979
        \1970 to 1974                                        \HHMOVE = 1970-1974
        \1960 to 1969                                        \HHMOVE = 1960-1969
        \1950 to 1959                                        \HHMOVE = 1950-1959
        \1940 to 1949                                        \HHMOVE = 1940-1949
        \1939 or earlier                                     \HHMOVE = 1900-1939
        \[B]Median                                           \
~TYP=50 ROW=13,13
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12
~  RANGES=2009,2005,2000,1995,1990,1985,1980,1975,1970,1960,1950,1940,1901;
*OVERRIDES=1939,2005;


|/* RECODES for MOVE02 - Household Moves Last Year */
|
|if STATUS eq 1 then do;
|    if MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM) then do;
|        LASTYR = LASTYR + 1;
|        LASTYRFL ='X';
|        if MVG eq 1-4 and LSTMVG ne MVG then TOTMOV = TOTMOV + 1;
|    end;
|    if REL eq 1-2 then do;
|        if XINUS ne 'X' and (MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM)) then RMVUNVHH = 'X';
|    end;
|    if MVG eq 1-4 then do;
|        if MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM) then do;
|            if LSTMVG ne MVG then do;
|                if XHEAD eq ' ' or XHEAD eq 'D' or XHEAD eq 'R' or XHEAD eq 'B' then ZEROS = ZEROS + 1;
|                if XHEAD eq 1 then ONES = ONES + 1;
|                if XHEAD eq 2 then TWOS = TWOS + 1;
|                if MVG qe 1 then XHEAD1 = XHEAD;
|                LSTMVG = MVG;
|            end;
|        end;
|    end;
|    if LAST.CTRLNM13 and LASTYRFL eq 'X' then do;
|        if ALMV eq 1 and LASTYR eq CURPER then do;
|            AMVONE = AMVONE + 1;
```

```
|         if XHEAD1 eq 2 then MV1HH = 0;
|         else if XHEAD1 eq 1 then MV1HH = 1;
|         else if XHEAD1 eq 'D' or XHEAD1 eq 'R' or XHEAD1 eq ' ' or XHEAD1 eq 'B' then MV1HH = 'N';
|      end;
|      else if ALMV eq 2 and LASTYR = CURPER then do;
|         AMVTWO = AMVTWO + 1;
|         if TWOS eq TOTMOV then MV2HH = 0;
|            else if ONES eq 1 and TWOS eq TOTMOV - 1 then MV2HH = 1;
|            else if ONES ge 2 then MV2HH = 2;
|            else if ZEROS ge 1 then MV2HH = 'N';
|         end;
|      else if LASTYR lt CURPER then do;
|         SMV3 = SMV3 + 1;
|         if TWOS eq TOTMOV then MV3HH = 0;
|         else if ONES ge 1 then MV3HH = 1;
|         else if ZEROS ge 1 then MV3HH = 'N';
|      end;
|      else if LASTYR eq CURPER and (ALMV eq ' ' or ALMV eq 'D' or ALMV eq 'R' or ALMV eq 'B') then MV4NR = 'N';
|    end;
|end;
|
|

MOVE02         \
               \[B]Household Moves and Formation in
               \ Last Year
               \
               \++         Total with a move in last year        \LASTYR gt 0
               \Household all moved here from one unit            \AMVONE gt 0
               \  Householder of previous unit did not
               \   move here                                      \MV1HH = 0
               \  Householder of previous unit moved
               \   here                                           \MV1HH = 1
               \  Householder of previous unit not
               \   reported                                       \MV1HH ="N"
               \Household moved here from two or more
               \ units                                            \AMVTWO gt 0
               \  No previous householder moved here              \MV2HH = 0
               \  1 previous householder moved here               \MV2HH = 1
               \  2 or more previous householders moved
               \   here                                           \MV2HH = 2
               \  Previous householder(s) not reported            \MV2HH = "N"
```

```
            \Some already here, rest moved in                     \SMV3 gt 0
            \  No previous householder moved here                 \MV3HH = 0
            \  1 or more previous householders moved
            \   here                                              \MV3HH = 1
            \  Previous householder(s) not reported               \MV3HH = "N"
            \Number of previous units not reported                \MV4NR = "N"

|/* RECODES for MOVE04 */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if DLINE1 eq PLINE and MVG eq 1-4 and (DATEY eq MOVE or (DATEY - MOVE eq 1 and MOVM ge DATEM)) then do;
|            HRMAR = MAR;   /* Household Respondent Marital Status */
|            RESPDNT = 'Y';   /* Household Respondent Moved Last Year - Used in Chapter 11 Stubs */
|        end;
|    end;
|end;
|

MOVE04          \
                \[B]Reasons for Leaving Previous Unit@1
                \
                \Private displacement                            \WMPRIV = "X"
                \  Owner to move into unit                       \WMOWNR = 1
                \  To be converted to condominium or
                \   cooperative                                  \WMCNDO = 1
                \  Closed for repairs                            \WMREPR = 1
                \  Other                                         \WMOWNR = 2 and WMCNDO = 2 and WMREPR = 2
                \  Not reported                                  \(WMOWNR = "D" or WMOWNR = "R" or \
                \                                                \WMOWNR = " " or WMOWNR = 2) and \
                \                                                \(WMCNDO = "D" or WMCNDO = "R" or \
                \                                                \WMCNDO = " " or WMCNDO = 2) and \
                \                                                \(WMREPR = "D" or WMREPR = "R" or WMREPR = " ")
                \Government displacement                         \WMGOVT = "X"
                \  Government wanted building or land            \WMGOVP = 1
                \  Unit unfit for occupancy                      \WMNFIT = 1
                \  Other                                         \WMGOVP = 2 and WMNFIT = 2
                \  Not reported                                  \(WMGOVP = "D" or WMGOVP = "R" or \
                \                                                \WMGOVP = " " or WMGOVP = 2) and \
                \                                                \(WMNFIT = "D" or WMNFIT = "R" or WMNFIT = " ")
                \Disaster loss (fire, flood, etc.)               \WMDISL = "X"
```

```
        \New job or job transfer                          \WMJOBS = "X"
        \To be closer to work/school/other                \WMCLOS = "X"
        \Other, financial/employment related              \WMFEMP = "X"
        \To establish own household                       \WMONHH = "X"
        \Needed larger house or apartment                 \WMLARG = "X"
        \Married                                          \WMMARR = "X" and HRMAR = 1
        \Widowed, divorced, or separated                  \WMMARR = "X" and HRMAR = 2-4
        \Other, family/person related                     \WMFAML = "X"
        \Wanted better home                               \WMQUAL = "X"
        \Change from owner to renter                      \WMCHTN = "X" and TENURE = 2-3
        \Change from renter to owner                      \WMCHTN = "X" and TENURE = 1
        \Wanted lower rent or maintenance                 \WMCHEP = "X"
        \Other housing related reasons                    \WMHOUS = "X"
        \Evicted from residence                           \WMEVIC = "X"
        \Other                                            \WMOTHR = "X"
        \Not reported                                     \(WMPRIV = "D" or WMPRIV = "R" or WMPRIV = " ") and \
        \                                                 \(WMGOVT = "D" or WMGOVT = "R" or WMGOVT = " ") and \
        \                                                 \(WMDISL = "D" or WMDISL = "R" or WMDISL = " ") and \
        \                                                 \(WMJOBS = "D" or WMJOBS = "R" or WMJOBS = " ") and \
        \                                                 \(WMCLOS = "D" or WMCLOS = "R" or WMCLOS = " ") and \
        \                                                 \(WMFEMP = "D" or WMFEMP = "R" or WMFEMP = " ") and \
        \                                                 \(WMONHH = "D" or WMONHH = "R" or \
        \                                                 \WMONHH = " ") and \
        \                                                 \(WMLARG = "D" or WMLARG = "R" or WMLARG = " ") and \
        \                                                 \(WMMARR = "D" or WMMARR = "R" or \
        \                                                 \WMMARR = " ") and \
        \                                                 \(WMFAML = "D" or WMFAML = "R" or WMFAML = " ") and \
        \                                                 \(WMQUAL = "D" or WMQUAL = "R" or WMQUAL = " ") and \
        \                                                 \(WMCHTN = "D" or WMCHTN = "R" or WMCHTN = " ") and \
        \                                                 \(WMCHEP = "D" or WMCHEP = "R" or WMCHEP = " ") and \
        \                                                 \(WMHOUS = "D" or WMHOUS = "R" or WMHOUS = " ") and \
        \                                                 \(WMOTHR = "D" or WMOTHR = "R" or WMOTHR = " ") and \
        \                                                 \(WMEVIC = "D" or WMEVIC = "R" or WMEVIC = " ")
\[F]@1Figures may not add to total because more than one category may apply to a unit.


MOVE05          \
        \[B]Main Reason for Leaving Previous Unit
        \
        \All reported reasons equal                       \WHYMOVE = 0
        \Private displacement                             \WHYMOVE = 1
        \Government displacement                          \WHYMOVE = 2
```

```
            \Disaster loss (fire, flood, etc.)                      \WHYMOVE = 3
            \New job or job transfer                                \WHYMOVE = 4
            \To be closer to work/school/other                      \WHYMOVE = 5
            \Other, financial/employment related                    \WHYMOVE = 6
            \To establish own household                             \WHYMOVE = 7
            \Needed larger house or apartment                       \WHYMOVE = 8
            \Married, widowed, divorced, or separated               \WHYMOVE = 9
            \Other, family/personal related                         \WHYMOVE = 10
            \Wanted better home                                     \WHYMOVE = 11
            \Change from owner to renter or
            \ renter to owner                                       \WHYMOVE = 12
            \Wanted lower rent or maintenance                       \WHYMOVE = 13
            \Other housing related reasons                          \WHYMOVE = 14
            \Evicted from residence                                 \WHYMOVE = 15
            \Other                                                  \WHYMOVE = 16
            \Not reported                                           \WHYMOVE = .D or WHYMOVE = .R or WHYMOVE = .

|/* RECODE for MAINT - MTNC01 - Routine Maintenance */
|
|if CSTMNT ge 0 then MAINTR = CSTMNT / 12;
|else MAINTR = CSTMNT;
|MAINT = round(MAINTR,1);
|

MTNC01      \
            \[B]Routine Maintenance in Last Year
            \
            \Less than $25 per month                                \MAINT = 0-24
            \$25 to $49                                             \MAINT = 25-49
            \$50 to $74                                             \MAINT = 50-74
            \$75 to $99                                             \MAINT = 75-99
            \$100 to $149                                           \MAINT = 100-149
            \$150 to $199                                           \MAINT = 150-199
            \$200 or more per month                                 \MAINT ge 200
            \Not reported                                           \CSTMNT = "D" or CSTMNT = "R" or CSTMNT = " "
            \[B]Median                                              \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6,R7
~  RANGES=0,25,50,75,100,150,200,998;
*OVERRIDES=25,200;
```

```
|/* RECODES for HHCIT and HHINUSYR - NATV01 and NATV02 - Citizenship of Householder */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if REL eq 1-2 then do;
|            HHCIT = CITSHP;
|            HHINUSYR = INUSYR;
|        end;
|    end;
|end;
|
```

```
NATV01      \
            \[B]Citizenship of Householder
            \
            \Citizen of the United States          \HHCIT = 1-4
            \  Naturalized citizen of the
            \   United States                      \HHCIT = 4

NATV02      \--                                    \HHCIT = 4 or HHCIT = 5
            \
            \[B]Year Householder Immigrated to the
            \ United States
            \
            \2005 to 2009                          \HHINUSYR = 2005-2009
            \2000 to 2004                          \HHINUSYR = 2000-2004
            \1995 to 1999                          \HHINUSYR = 1995-1999
            \1990 to 1994                          \HHINUSYR = 1990-1994
            \1980 to 1989                          \HHINUSYR = 1980-1989
            \1979 or before                        \HHINUSYR = 1873-1979

NBHD02      \
            \[B]Description of Area Within 300 Feet@1
            \
            \Single-family detached houses         \ESFD = 1
            \Single-family attached                \ELOW1 = 1
            \Multiunit residential buildings@29     \EAPTBL = 1
            \  1- to 3-story multiunit is tallest   \EHEIGHT = 3
            \  4- to 6-story multiunit is tallest   \EHEIGHT = 2
            \  7-or-more-story multiunit is tallest \EHEIGHT = 1
            \Manufactured/mobile homes             \EMOBIL = 1
```

```
         \Commercial or institutional                  \ECOM1 = 1
         \Industrial or factories                      \ECOM2 = 1
         \Open space, park, woods, farm, or ranch      \EGREEN = 1
         \4-or-more-lane highway, railroad,
         \ or airport                                  \ETRANS = 1
         \Not reported                                 \(ESFD = "D" or ESFD = "R" or ESFD = " ") and \
         \                                             \(ELOW1 = "D" or ELOW1 = "R" or ELOW1 = " ") and \
         \                                             \(EAPTBL = "D" or EAPTBL = "R" or EAPTBL = " ") and \
         \                                             \(EMOBIL = "D" or EMOBIL = "R" or EMOBIL = " ") and \
         \                                             \(ECOM1 = "D" or ECOM1 = "R" or ECOM1 = " ") and \
         \                                             \(ECOM2 = "D" or ECOM2 = "R" or ECOM2 = " ") and \
         \                                             \(EGREEN = "D" or EGREEN = "R" or EGREEN = " ") and \
         \                                             \(ETRANS = "D" or ETRANS = "R" or ETRANS = " ")
\[F]@1Figures may not add to total because more than one category may apply to a unit.
\[F]@29Figures do not add up because of nonrespondents.


NBHD03      \
         \[B]Age of Other Residential Buildings
         \ Within 300 Feet
         \
         \Older                                        \EAGE = 1
         \About the same                               \EAGE = 2
         \Newer                                        \EAGE = 3
         \Very mixed                                   \EAGE = 4
         \No other residential buildings               \EAGE = 5
         \Not reported                                 \EAGE = "D" or EAGE = "R" or EAGE = " "


NBHD04      \
         \[B]Other Buildings Vandalized or With
         \ Interior Exposed Within 300 Feet
         \
         \None                                         \EABAN = 3
         \1 building                                   \EABAN = 1
         \More than 1 building                         \EABAN = 2
         \No buildings                                 \EABAN = 4
         \Not reported                                 \EABAN = "D" or EABAN = "R" or \
         \                                             \EABAN = " " or EABAN = 0

NBHD05      \
         \[B]Bars on Windows of Buildings
         \ Within 300 Feet
```

```
              \
              \No bars on windows                              \EBARCL = 3
              \1 building with bars                            \EBARCL = 1
              \2 or more buildings with bars                   \EBARCL = 2
              \No buildings                                    \EABAN = 4
              \Not reported                                    \EBARCL = "D" or EBARCL = "R" or EBARCL = " "

NBHD06        \
              \[B]Condition of Streets Within 300 Feet
              \
              \No repairs needed                               \EROAD = 3
              \Minor repairs needed                            \EROAD = 2
              \Major repairs needed                            \EROAD = 1
              \No streets                                      \EROAD = 4
              \Not reported                                    \EROAD = "D" or EROAD = "R" or EROAD = " "

NBHD07        \
              \[B]Trash, Litter, or Junk on Streets
              \ or Any Properties Within 300 Feet
              \
              \None                                            \EJUNK = 3
              \Minor accumulation                              \EJUNK = 2
              \Major accumulation                              \EJUNK = 1
              \Not reported                                    \EJUNK = "D" or EJUNK = "R" or EJUNK = " "

NBHD08        \
              \[B]Choice of Present Neighborhood@1
              \
              \Convenient to job                               \WNJOB = "X"
              \Convenient to friends or relatives              \WNPEPL = "X"
              \Convenient to leisure activities                \WNFUN = "X"
              \Convenient to public transportation             \WNTRAN = "X"
              \Good schools                                    \WNSCH = "X"
              \Other public services                           \WNSRV = "X"
              \Looks/design of neighborhood                    \WNLOOK = "X"
              \House was most important consideration          \WNHOME = "X"
              \Other                                           \WNOTHR = "X"
              \Not reported                                    \(WNJOB = "D" or WNJOB = "R" or WNJOB = " ") and \
              \                                                \(WNPEPL = "D" or WNPEPL = "R" or WNPEPL = " ") and \
              \                                                \(WNFUN = "D" or WNFUN = "R" or WNFUN = " ") and \
              \                                                \(WNTRAN = "D" or WNTRAN = "R" or WNTRAN = " ") and \
```

```
                                                      \(WNSCH = "D" or WNSCH = "R" or WNSCH = " ") and \
                                                      \(WNSRV = "D" or WNSRV = "R" or WNSRV = " ") and \
                                                      \(WNLOOK = "D" or WNLOOK = "R" or WNLOOK = " ") and \
                                                      \(WNHOME = "D" or WNHOME = "R" or WNHOME = " ") and \
                                                      \(WNOTHR = "D" or WNOTHR = "R" or WNOTHR = " ")
\[F]@1Figures may not add to total because more than one category may apply to a unit.


NBHD09      \
            \[B]Neighborhood Search
            \
            \Looked at just this neighborhood            \LOOKNS = 2
            \Looked at other neighborhood(s)             \LOOKNS = 1
            \Not reported                                \LOOKNS = "D" or LOOKNS = "R" or LOOKNS = " "


NBHD10      \
            \[B]Main Reason for Choice of Present
            \ Neighborhood
            \
            \All reported reasons equal                  \WHYTON = 0
            \Convenient to job                           \WHYTON = 1
            \Convenient to friends or relatives          \WHYTON = 2
            \Convenient to leisure activities            \WHYTON = 3
            \Convenient to public transportation         \WHYTON = 4
            \Good schools                                \WHYTON = 5
            \Other public services                       \WHYTON = 6
            \Looks/design of neighborhood                \WHYTON = 7
            \House was most important consideration      \WHYTON = 8
            \Other                                       \WHYTON = 9
            \Not reported                                \WHYTON = "B" or WHYTON = "D" or \
            \                                            \WHYTON = "R" or WHYTON = " "


NBHD11      \
            \[B]Parking Lots
            \
            \With parking lots                           \EPRKG = 1
            \No parking lots within 300 feet             \EPRKG = 2
            \Parking lots not reported                   \EPRKG = "D" or EPRKG = "R" or EPRKG = " "


NBHD12      \
            \[B]Bodies of Water Within 300 Feet
            \
```

```
            \Water in area                                  \EWATER = 1
            \   With waterfront property                    \WFPROP = 1
            \   Waterfront property not reported            \WFPROP = "D" or WFPROP = "R" or WFPROP = " "
            \   With flood plain                            \FLOODPLN = 1
            \   Flood plain not reported                    \FLOODPLN = "D" or FLOODPLN = "R" or FLOODPLN = " "
            \Water not reported                             \EWATER = "D" or EWATER = "R" or EWATER = " "
            \No water in area                               \EWATER = 2


NBHD13      \
            \[B]Secured Communities
            \
            \Community access secured with walls or
            \ fences                                        \GATED = 1
            \   Special entry system present                \ACCESSC = 1
            \   Special entry system not present            \ACCESSC = 2
            \   Special entry system not reported           \ACCESSC = "D" or ACCESSC = "R" or ACCESSC = " "
            \Community access not secured                   \GATED = 2
            \Community access not reported                  \GATED = "D" or GATED = "R" or GATED = " "


NBHD14      \
            \[B]Secured Multiunits
            \
            \Multiunit access secured                       \ACCESSB = 1
            \Multiunit access not secured                   \ACCESSB = 2
            \Multiunit access not reported                  \ACCESSB = "D" or ACCESSB = "R" or ACCESSB = " "


|/* RECODE for SENIOR - NBHD15 - Persons 55 Years of Age and Over */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if AGE ge 55 then
|            SENIOR = SENIOR + 1;
|    end;
|end;
|


NBHD15      \
            \[B]Senior Citizen Communities
            \
            \++        Households with person 55 and
            \          over                                 \SENIOR ge 1
```

```
          \Community age restricted                       \AGERES = 1
          \No age restriction or restriction not
          \ reported                                       \AGERES = 2 or AGERES = "D" or \
          \                                                \AGERES = "R" or AGERES = " "
          \  Community age specific                        \NORC = 1
          \  Community not age specific                    \NORC = 2
          \  Community age specific not reported           \NORC = "D" or NORC = "R" or NORC = " "

NQUA04    \
          \[B]Other Bothersome Neighborhood
          \ Conditions
          \
          \No other problems                               \NPROBS = 2
          \With other problems@1                           \NPROBS = 1
          \  Noise                                         \NOISE = "X"
          \  Litter or housing deterioration               \LITTER = "X"
          \  Poor city or county services                  \BADSRV = "X"
          \  Undesirable commercial, institutional,
          \   or industrial                                \BADPRP = "X"
          \  People                                        \BADPER = "X"
          \  Other                                         \OTHNHD = "X"
          \  No problem                                    \NOPROB = "X"
          \  Type of problem not reported                  \NOISE = " " and LITTER = " " and BADSRV = " " and \
          \                                                \BADPRP = " " and BADPER = " " and OTHNHD = " " and \
          \                                                \(NOPROB = "D" or NOPROB = "R" or NOPROB = " ")
          \Other problems not reported                     \NPROBS = "D" or NPROBS = "R" or NPROBS = " "
\[F]@1Figures may not add to total because more than one category may apply to a unit.

NQUA08    \
          \[B]Police Protection
          \
          \Satisfactory police protection                  \SATPOL = 1
          \Unsatisfactory police protection                \SATPOL = 2
          \Not reported                                    \SATPOL = "D" or SATPOL = "R" or SATPOL = " "

NQUA09    \
          \[B]Building Neighbor Noise@10
          \
          \Neighbor noise present                          \NOISN1 = 2 or NOISN1 = 3 or NOISN1 = 4
          \  Loudness bothersome                           \NOISN2 = 1
          \  Loudness not bothersome                       \NOISN2 = 2
```

```
          \  Loudness bothersome not reported              \NOISN2 = "D" or NOISN2 = "R" or NOISN2 = " "
          \  Time of noise bothersome                      \NOISN3 = 1
          \  Time of noise not bothersome                  \NOISN3 = 2
          \  Time bothersome not reported                  \NOISN3 = "D" or NOISN3 = "R" or NOISN3 = " "
          \Neighbor noise not present                      \NOISN1 = 1
          \Not reported                                    \NOISN1 = "D" or NOISN1 = "R" or NOISN1 = " "
\[F]@10Limited to single attached and multiunits.


NQUA10       \
          \[B]Community Quality
          \
          \Some or all community activities
          \ present@1                                      \CLUB = 1 or GOLF = 1 or TRAILS = 1 or \
          \                                                \SHUTLE = 1 or CARE = 1 or BEACH = 1
          \  Community center or clubhouse                 \CLUB = 1
          \  Golf in community                             \GOLF = 1
          \  Trails in community                           \TRAILS = 1
          \  Shuttle bus                                   \SHUTLE = 1
          \  Daycare center                                \CARE = 1
          \  Private or restricted beach,
          \   park, or shoreline                           \BEACH = 1
\[F]@1Figures may not add to total because more than one category may apply to a unit.


NQUA11       \
          \[B]Street Noise or Traffic
          \
          \Bothersome street noise or heavy traffic
          \ present                                        \STRN = 1-2 or STRN = "D" or STRN = "R" or STRN = " "
          \  Yes                                           \STRN = 1
          \  No                                            \STRN = 2
          \  Not reported                                  \STRN = "D" or STRN = "R" or STRN = " "


NQUA12       \
          \[B]Neighborhood Crime
          \
          \Serious crime in past 12 months                 \CRIME = 1-2 or CRIME = "D" or \
          \                                                \CRIME = "R" or CRIME = " "
          \  Yes                                           \CRIME = 1
          \  No                                            \CRIME = 2
          \  Not reported                                  \CRIME = "D" or CRIME = "R" or CRIME = " "
```

```
NQUA13          \
                \[B]Odors
                \
                \Bothersome smoke, gas, or bad smells              \ODOR = 1-2 or ODOR = "D" or ODOR = "R" or ODOR = " "
                \  Yes                                             \ODOR = 1
                \  No                                              \ODOR = 2
                \  Not reported                                    \ODOR = "D" or ODOR = "R" or ODOR = " "


NQUA14          \
                \[B]Neighborhood Shopping
                \
                \Grocery stores or drug stores within 15
                \ minutes of your home                             \SHPCLS = 1
                \  Satisfactory                                    \SHP = 1
                \  Not satisfactory                                \SHP = 2
                \  Not reported                                    \SHP = "D" or SHP = "R" or SHP = " "
                \No grocery stores or drug stores within
                \ 15 minutes of your home                          \SHPCLS = 2
                \Not reported or don't know                        \SHPCLS = "D" or SHPCLS = "R" or SHPCLS = " "

NQUA15          \
                \[B]Public Transportation
                \
                \With public transportation                        \NEWTRN = 1
                \  Household uses public transportation
                \   regularly for commuting to school or
                \   work                                           \USETRN = 1
                \    Travel time to nearest bus stop,
                \     train station, or subway stop
                \     Less than 5 minutes                          \TIMETRN = 0-4
                \     5-9 minutes                                  \TIMETRN = 5-9
                \     10-14 minutes                                \TIMETRN = 10-14
                \     15-29 minutes                                \TIMETRN = 15-29
                \     30 minutes or longer                         \TIMETRN ge 30
                \     Not reported                                 \TIMETRN = "D" or TIMETRN = "R" or TIMETRN = " "
                \  Household does not use public
                \   transportation regularly for commuting
                \   to school or work                              \USETRN = 2
                \  Not reported                                    \USETRN = "D" or USETRN = "R" or USETRN = " "
                \No public transportation                          \NEWTRN = 2
```

```
          \Not reported                                              \NEWTRN = "D" or NEWTRN = "R" or NEWTRN = " "

 |/* RECODES for NQUA16 - Public Elementary Schools */
 |
 |if STATUS eq 1 then do;
 |   if HHMEM eq 1 then do;
 |       if AGE eq 0-13 then KID013 = KID013 + 1;
 |       if AGE eq 5-15 then KID515 = KID515 + 1;
 |   end;
 |end;
 |

NQUA16         \
               \[B]Public Elementary School@1
               \
               \Households with children aged
               \ 5 through 15                                \KID515 gt 0
               \  Attend public school (K-12)                \SCHPUB = "X"
               \  Attend private school (K-12)               \SCHPRI = "X"
               \  Attend ungraded school, preschool,
               \   etc.                                      \SCHOTH = "X"
               \  Home schooled                              \SCHHO = "X"
               \  Not in school                              \SCHNO = "X"
               \  Not reported                               \(SCHPUB = "D" or SCHPUB = "R" or SCHPUB = " ") and \
               \                                             \(SCHPRI = "D" or SCHPRI = "R" or SCHPRI = " ") and \
               \                                             \(SCHOTH = "D" or SCHOTH = "R" or SCHOTH = " ") and \
               \                                             \(SCHHO = "D" or SCHHO = "R" or SCHHO = " ") and \
               \                                             \(SCHNO = "D" or SCHNO = "R" or SCHNO = " ")
               \
               \Households with children aged
               \ 0 through 13                                \KID013 gt 0
               \  Satisfactory public elementary school      \SCH = 1
               \  Unsatisfactory public elementary
               \   school                                    \SCH = 2
               \  Not reported or don't know                 \SCH = "D" or SCH = "R" or SCH = " "
               \  Public elementary school less than
               \   1 mile                                    \SCHCLS = 1
               \  Public elementary school 1 mile or
               \   more                                      \SCHCLS = 2
               \  Not reported                               \SCHCLS = "D" or SCHCLS = "R" or SCHCLS = " "
\[F]@1Figures may not add to total because more than one category may apply to a unit.
```

```
NQUA17      \
            \[B]Academic Comparison to Other Area
            \ Elementary Schools
            \
            \++        Households with children aged
            \         0 through 13                      \KID013 gt 0
            \Better                                     \SCHM = 1
            \About the same                             \SCHM = 2
            \Worse                                      \SCHM = 3
            \Not reported                               \SCHM = "D" or SCHM = "R" or SCHM = " "

OAOP01      \--                                         \(STATUS = 1 and TENURE = 1) or \
            \                                           \(STATUS = 3 and VACANCY = 3-5)
            \
            \[B]Other Activities on Property
            \
            \Medical or commercial establishment        \DRSHOP = 1
            \Neither                                    \DRSHOP = 2

OCCU01      \
            \[B]Previous Occupancy
            \
            \++        Unit built 1990 or later         \BUILT ge 1990
            \Not previously occupied                    \FRSTOC = 1
            \Not reported                               \FRSTOC = "D" or FRSTOC = "R" or FRSTOC = " "

OMOP01      \
            \[B]Owner or Manager on Property
            \
            \++        Rental, multiunit@8              \(TENURE = 2-3 or VACANCY = 1-2 or \
            \                                           \VACANCY = 4) and NUNIT2 = 3
            \Owner or manager lives on property         \OWNHERE = 1
            \Neither owner nor manager lives
            \ on property                               \OWNHERE = 2
\[F]@8Two or more units of any tenure in the structure.

OPIN01      \
            \[B]Overall Opinion of Structure
            \
            \1 (worst)                                  \HOWH = 1
            \2                                          \HOWH = 2
```

```
            \3                                      \HOWH = 3
            \4                                      \HOWH = 4
            \5                                      \HOWH = 5
            \6                                      \HOWH = 6
            \7                                      \HOWH = 7
            \8                                      \HOWH = 8
            \9                                      \HOWH = 9
            \10 (best)                              \HOWH = 10
            \Not reported                           \HOWH =.D or HOWH = .R or HOWH = .

OPIN02      \
            \[B]Overall Opinion of Neighborhood
            \
            \1 (worst)                              \HOWN = 1
            \2                                      \HOWN = 2
            \3                                      \HOWN = 3
            \4                                      \HOWN = 4
            \5                                      \HOWN = 5
            \6                                      \HOWN = 6
            \7                                      \HOWN = 7
            \8                                      \HOWN = 8
            \9                                      \HOWN = 9
            \10 (best)                              \HOWN = 10
            \No neighborhood                        \HOWN = 0
            \Not reported                           \HOWN = .D or HOWN = .R or HOWN = .

OPIN05      \
            \
            \[B]Renter Maintenance Quality
            \
            \Major repairs needed@17                \MAJR1 = 1 or MAJR2 = 1 or MAJR3 = 1
            \  Work usually started quickly         \MAJR1 = 1
            \  Management solved problem quickly     \MAJR2 = 1
            \  Management polite and considerate     \MAJR3 = 1
            \
            \Minor repairs needed@17                \MINR1 = 1 or MINR2 = 1 or MINR3 = 1
            \  Started quickly enough usually        \MINR1 = 1
            \  Solved the problem quickly            \MINR2 = 1
            \  Polite                                \MINR3 = 1
\[F]@17When landlord responsible for repairs and when at least 1 condition answered.
```

```
OPIN06          \
                \[B]Building and Ground Maintenance
                \
                \Building Maintenance Quality
                \  Completely satisfied                             \BLDMNT = 1
                \  Partly satisfied                                 \BLDMNT = 2
                \  Dissatisfied                                     \BLDMNT = 3
                \  Landlord not responsible                         \BLDMNT = 4
                \  Not reported                                     \BLDMNT = "D" or BLDMNT = "R" or BLDMNT = " "
                \
                \Ground Maintenance Quality
                \  Completely satisfied                             \GRDMNT = 1
                \  Partly satisfied                                 \GRDMNT = 2
                \  Dissatisfied                                     \GRDMNT = 3
                \  Landlord not responsible                         \GRDMNT = 4
                \  Not reported                                     \GRDMNT = "D" or GRDMNT = "R" or GRDMNT = " "
                \
                \Building and Ground Maintenance Quality
                \  Completely satisfied with both                   \BLDMNT = 1 and GRDMNT = 1
                \  Completely dissatisfied with both                \BLDMNT = 3 and GRDMNT = 3

|/* RECODES for OWNC01 - Never-Married Children Under 18 */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if REL eq 22 then do;
|            if AGE eq 0-13 or (AGE eq 14-17 and MAR eq 6) then SKDU18 = SKDU18 + 1;
|            if AGE eq 0-5 then SKIDU6 = SKIDU6 + 1;
|            if AGE eq 6-17 then SKD617 = SKD617 + 1;
|        end;
|    end;
|end;
|


OWNC01          \
                \[B]Own Never-Married Children Under
                \ 18 Years Old
                \
                \No own children under 18 years                     \SKDU18 = 0
                \With own children under 18 years                   \SKDU18 gt 0
                \  Under 6 years only                               \SKIDU6 gt 0 and (SKIDU6 = SKDU18)
```

```
        \    1                                           \SKIDU6 = 1
        \    2                                           \SKIDU6 = 2
        \    3 or more                                   \SKIDU6 ge 3
        \  6 to 17 years only                            \SKD617 gt 0 and (SKD617 = SKDU18)
        \    1                                           \SKD617 = 1
        \    2                                           \SKD617 = 2
        \    3 or more                                   \SKD617 ge 3
        \  Both age groups                               \SKIDU6 gt 0 and SKD617 gt 0
        \    2                                           \(SKIDU6 '+' SKD617) = 2
        \    3 or more                                   \(SKIDU6 '+' SKD617) ge 3


OWNR01      \
            \[B]First-Time Owners
            \
            \First home ever owned                       \FRSTHO = 2
            \Not first home                              \FRSTHO = 1 or (DWNPAY = 1 and FRSTHO = "B")
            \Not reported                                \FRSTHO = "D" or FRSTHO = "R" or FRSTHO = " "


PERS01      \
            \[B]Persons
            \
            \1 person                                    \CURPER = 1
            \2 persons                                   \CURPER = 2
            \3 persons                                   \CURPER = 3
            \4 persons                                   \CURPER = 4
            \5 persons                                   \CURPER = 5
            \6 persons                                   \CURPER = 6
            \7 persons or more                           \CURPER ge 7

|/* RECODES for XUNITHH and XPERHH - PERS02 - Previous Residence */
|
|if STATUS eq 1 then do;
|    if MVG eq 1-4 then do;
|       if MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM) then do;
|          if REL eq 1-2 then do;
|             XPERHH = XPER;
|             XUNITHH = XUNIT;
|          end;
|       end;
|    end;
|end;
```

```
|

PERS02      \
            \[B]Persons--Previous Residence
            \
            \++         House, apartment,
            \           manufactured/mobile home in
            \           the United States                     \XUNITHH = 1-3
            \1 person                                         \XPERHH = 1
            \2 persons                                        \XPERHH = 2
            \3 persons                                        \XPERHH = 3
            \4 persons                                        \XPERHH = 4
            \5 persons                                        \XPERHH = 5
            \6 persons                                        \XPERHH = 6
            \7 persons or more                                \XPERHH ge 7
            \Not reported                                     \XPERHH = .D or XPERHH = .R or XPERHH = .


PLUM01      \
            \[B]Plumbing
            \
            \With all plumbing facilities                     \BATHS ge 2 or (HOTPIP = 1 and TOILET = 1 and \
            \                                                 \TUB = 1 and SHARPF = 2)
            \Lacking some or all plumbing
            \ facilities@1                                    \BATHS lt 2 and (HOTPIP = 2 or TOILET = 2 or \
            \                                                 \TUB = 2 or SHARPF = 1)
            \  No hot piped water                             \HOTPIP = 2
            \  No bathtub and no shower                       \TUB = 2
            \  No flush toilet                                \TOILET = 2
            \  No exclusive use                               \SHARPF = 1
\[F]@1Figures may not add to total because more than one category may apply to a unit.


POP29       \--                                               \STATUS = 1
            \
            \               [B]Population in housing units     \CURPER
~TYP=02 ROW=1,1 FORM=CURPER;


POP39       \--                                               \STATUS = 1 and TENURE = 1
            \
            \               [B]Population in housing units     \CURPER
~TYP=02 ROW=1,1 FORM=CURPER;
```

```
POP49        \--                                              \STATUS = 1 and TENURE = 2-3
             \
             \              [B]Population in housing units        \CURPER
~TYP=02 ROW=1,1 FORM=CURPER;


POP59        \--                                              \STATUS = 1 and HHRACE = 2
             \
             \              [B]Population in housing units        \CURPER
~TYP=02 ROW=1,1 FORM=CURPER;


POP69        \--                                              \STATUS = 1 and HHSPAN = 1
             \
             \              [B]Population in housing units        \CURPER
~TYP=02 ROW=1,1 FORM=CURPER;


POP79        \--                                              \STATUS = 1 and HHAGE ge 65
             \
             \              [B]Population in housing units        \CURPER
~TYP=02 ROW=1,1 FORM=CURPER;

|/* RECODES for ZCROWD and ZCROWB - PPRM01 and PPRM02 - Persons per Room and Bedroom */
|
|if STATUS eq 1 then do;
|   ZCROWDR eq CURPER / ROOMS;
|   if BEDRMS eq 0 then ZCROWBR = 0;
|   else ZCROWBR = CURPER / BEDRMS;
|   ZCROWD = round(ZCROWDR,.01);
|   ZCROWB = round(ZCROWBR,.01);
|end;
|

PPRM01       \
             \[B]Persons per Room
             \
             \0.50 or less                                    \0.0 le ZCROWD lt 0.51
             \0.51 to 1.00                                    \0.51 le ZCROWD lt 1.01
             \1.01 to 1.50                                    \1.01 le ZCROWD lt 1.51
             \1.51 or more                                    \ZCROWD ge 1.51

PPRM02       \
             \[B]Persons per Bedroom
```

```
                \
                \0.50 or less                                      \0.0 lt ZCROWB lt 0.51
                \0.51 to 1.00                                      \0.51 le ZCROWB lt 1.01
                \1.01 to 1.50                                      \1.01 le ZCROWB lt 1.51
                \1.51 or more                                      \ZCROWB ge 1.51
                \No bedrooms                                       \ZCROWB = 0

|/* RECODES for XUNITHH, XRELHH and XHEADHH - PREV01 - Previous Home */
|
|if STATUS eq 1 then do;
|    if MVG eq 1-4 then do;
|        if MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM) then do;
|            if REL eq 1-2 then do;
|               XHEADHH = XHEAD;
|               XRELHH = XREL;
|               XUNITHH = XUNIT;
|            end;
|        end;
|    end;
|end;
|


PREV01        \
              \[B]Previous Home Owned or Rented by Someone
              \ Who Moved Here
              \
              \++        House, apartment,
              \         manufactured/mobile home in
              \         the United States                \XUNITHH = 1-3
              \Owned or rented by a mover                \XHEADHH = 1
              \Owned or rented by other                  \XHEADHH = 2
              \  By a relative                           \XRELHH = 1
              \  By a nonrelative                        \XRELHH = 2
              \  Not reported                            \XRELHH ="D" or XRELHH ="R" or XRELHH = " "
              \Not reported                              \XHEADHH = "D" or XHEADHH = "R" or XHEADHH = " "

|/* RECODE for PRIN01 - PRIN01 - Monthly Payment for Principal and Interest */
|
|if STATUS eq 1 then do;
|    if TENURE eq 1 and MCNT eq 1-4 then do;
|       PRIN01R eq 0;
```

```
|       if MCNT eq 1 then PRIN01R = PRIN01R + PMT;
|       if MCNT eq 2 then PRIN01R = PRIN01R + PMT + PMT2;
|       if MCNT eq 3 then PRIN01R = PRIN01R + PMT + PMT2 + PMT3;
|       if MCNT eq 4 then PRIN01R = PRIN01R + PMT + PMT2 + PMT3 + PMT4;
|       if (TAXPMT eq 1 or TXPMT2 eq 1) and AMTXQ eq 1-99998 then PRIN01R = PRIN01R - (AMTXQ / 12);
|       if (INSPMT eq 1 or INPMT2 eq 1) and AMTI eq 1-9998 then PRIN01R = PRIN01R - (AMTI / 12);
|       if OTHPMT eq 1 and AMTM eq 1-9999998 then PRIN01R = PRIN01R - (AMTM / 12);
|       if OTPMT2 eq 1 and AMTM2 eq 1-9999998 then PRIN01R = PRIN01R - (AMTM2 / 12);
|       if PMIPMT eq 1 and PMIAMT eq 1-999998 then PRIN01R = PRIN01R - (PMIAMT / 12);
|       if PMPMT2 eq 1 and PMAMT2 eq 1-999998 then PRIN01R = PRIN01R - (PMAMT2 / 12);
|       if PRIN01R lt 0 then PRIN01R = 0;
|    end;
|    PRIN01 = round(PRIN01R,1);
|end;
|


PRIN01       \
             \[B]Monthly Payment for Principal
             \ and Interest
             \
             \One or more regular mortgages              \MCNT = 1-4
             \  Less than $100                           \PRIN01 = 0-99
             \  $100 to $199                             \PRIN01 = 100-199
             \  $200 to $249                             \PRIN01 = 200-249
             \  $250 to $299                             \PRIN01 = 250-299
             \  $300 to $349                             \PRIN01 = 300-349
             \  $350 to $399                             \PRIN01 = 350-399
             \  $400 to $449                             \PRIN01 = 400-449
             \  $450 to $499                             \PRIN01 = 450-499
             \  $500 to $599                             \PRIN01 = 500-599
             \  $600 to $699                             \PRIN01 = 600-699
             \  $700 to $799                             \PRIN01 = 700-799
             \  $800 to $999                             \PRIN01 = 800-999
             \  $1,000 to $1,249                         \PRIN01 = 1000-1249
             \  $1,250 to $1,499                         \PRIN01 = 1250-1499
             \  $1,500 or more                           \PRIN01 ge 1500
             \  [B]Median                                \
~TYP=50 ROW=17,17
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10
~  RANGES=0,100,200,250,300,350,400,450,500,600
~  CELLS=R11,R12,R13,R14,R15,R16
```

```
~   RANGES=700,800,1000,1250,1500,9998;
*OVERRIDES=100,1500;

|/* RECODES for ZAQ1 and ZADEQ - PROB02 and BOX02B - Adequacy of Housing */
|
|if STATUS eq 1 then do;
|/* Calculate ZAQ1 */
|    if LEAK eq 1 then ZAQ1 + 1;
|    if ILEAK eq 1 then ZAQ1 + 1;
|    if HOLES eq 1 then ZAQ1 + 1;
|    if CRACKS eq 1 then ZAQ1 + 1;
|    if BIGP eq 1 then ZAQ1 + 1;
|    if RATS eq 'X' then ZAQ1 + 1;
|/* Calculate ZADEQ */
|    if (BATHS lt 2 and (HOTPIP eq 2 or TUB eq 2 or TOILET eq 2 or SHARPF eq 1)) or
|        (FREEZE eq 1 and NUMCOLD eq 3-8) or BUYE eq 1 or (NOWIRE eq 2 and PLUGS eq 2 and NUMBLOW eq 3-8) or
|        ZAQ1 ge 5 then ZADEQ = 3;
|    if ZADEQ ne 3 then do;
|        if NUMTLT eq 3-8 or hequip eq 7 or ZAQ1 eq 3-4 or KITCHEN eq 2 then ZADEQ = 2;
|    end;
|    if ZADEQ ne 2-3 then ZADEQ = 1;
|end;
|

PROB02        \
              \[B]Selected Physical Problems
              \
              \Severe physical problems@1                        \ZADEQ = 3
              \  Plumbing                                        \HOTPIP = 2  or TUB = 2 or \
              \                                                  \TOILET = 2 or SHARPF = 1
              \  Heating                                         \FREEZE = 1 and  NUMCOLD = 3-8
              \  Electric                                        \BUYE = 1 or \
              \                                                  \(NOWIRE = 2 and PLUGS = 2 and NUMBLOW = 3-8)
              \  Upkeep                                          \ZAQ1 ge 5
              \
              \Moderate physical problems@1                      \ZADEQ = 2
              \  Plumbing                                        \NUMTLT = 3-8
              \  Heating                                         \HEQUIP = 7
              \  Upkeep                                          \ZAQ1 = 3-4
              \  Kitchen                                         \KITCHEN = 2
\[F]@1Figures may not add to total because more than one category may apply to a unit.
```

```
|/* RECODE for TPRICE - PUPR01 - Purchase Price */
|
|if LPRICE eq 1-9999998 then TPRICE = LPRICE;
|if CPRICE eq 1-9999998 then TPRICE = CPRICE;
|if LPRICE eq .D or LPRICE eq .R or LPRICE eq . then TPRICE = .D;
|if CPRICE eq .D or CPRICE eq .R or CPRICE eq . then TPRICE = .D;
|

PUPR01          \
                \[B]Purchase Price
                \
                \Home purchased or built                        \CUSHOM = 1-4 or PREOCC = 2
                \  Less than $10,000                            \TPRICE = 1-9999
                \  $10,000 to $19,999                           \TPRICE = 10000-19999
                \  $20,000 to $29,999                           \TPRICE = 20000-29999
                \  $30,000 to $39,999                           \TPRICE = 30000-39999
                \  $40,000 to $49,999                           \TPRICE = 40000-49999
                \  $50,000 to $59,999                           \TPRICE = 50000-59999
                \  $60,000 to $69,999                           \TPRICE = 60000-69999
                \  $70,000 to $79,999                           \TPRICE = 70000-79999
                \  $80,000 to $99,999                           \TPRICE = 80000-99999
                \  $100,000 to $119,999                         \TPRICE = 100000-119999
                \  $120,000 to $149,999                         \TPRICE = 120000-149999
                \  $150,000 to $199,999                         \TPRICE = 150000-199999
                \  $200,000 to $249,999                         \TPRICE = 200000-249999
                \  $250,000 to $299,999                         \TPRICE = 250000-299999
                \  $300,000 or more                             \TPRICE = 300000-9999998
                \  Not reported                                 \TPRICE = .D
                \  [B]Median                                    \
~TYP=50 ROW=18,18
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9
~  RANGES=1,10000,20000,30000,40000,50000,60000,70000,80000
~  CELLS=R10,R11,R12,R13,R14,R15,R16
~  RANGES=100000,120000,150000,200000,250000,300000,9999998;
*OVERRIDES=10000,300000;
                \Received as inheritance or gift               \CUSHOM = 5 or PREOCC = 1
                \Not reported                                  \((PREOCC ne 1 and PREOCC ne 2) and \
                \                                              \(CUSHOM = "D" or CUSHOM = "R" or CUSHOM = " ")) or \
                \                                              \(PREOCC = "D" or PREOCC = "R" or PREOCC = " ")

|/* RECODE for PHONE - QUAL01 - Telephone Available */
```

```
|
|if STATUS eq 1 then do;
|    if PHONENUM ne ' ' or TELHH eq 1 or TELAV eq 1 then PHONE = 1;
|    else if TELHH eq 2 and TELAV eq 2 then PHONE = 2;
|    else PHONE = 'D';
|end;
|


QUAL01        \
              \[B]Selected Amenities@1
              \
              \Porch, deck, balcony, or patio             \PORCH = 1
              \Telephone available                        \PHONE = 1
              \Usable fireplace                           \FPLWK = 1
              \Separate dining room                       \DINING = 1-5
              \With 2 or more living rooms or
              \ recreation rooms, etc.                    \(LIVING '+' RECRM '+' DENS '+' FAMRM) ge 2
              \Garage or carport included with home       \GARAGE = 1
              \Not included                               \GARAGE = 2
              \  Off-street parking included              \INCP = 1
              \  Off-street parking not reported          \INCP = "R" or INCP = "D" or INCP = " "
              \Garage or carport not reported             \GARAGE = "R" or GARAGE = "D" or GARAGE = " "
\[F]@1Figures may not add to total because more than one category may apply to a unit.


QUAL02        \
              \[B]Selected Amenities@1
              \
              \Porch, deck, balcony, or patio             \PORCH = 1
              \Usable fireplace                           \FPLWK = 1
              \Separate dining room                       \DINING = 1-5
              \With 2 or more living rooms or
              \ recreation rooms, etc.                    \(LIVING '+' RECRM '+' DENS '+' FAMRM) ge 2
              \Garage or carport included with home       \GARAGE = 1
              \Not included                               \GARAGE = 2
              \  Offstreet parking included               \INCP = 1
              \  Offstreet parking not reported           \INCP = "R" or INCP = "D" or INCP = " "
              \Garage or carport not reported             \GARAGE = "R" or GARAGE = "D" or GARAGE = " "
\[F]@1Figures may not add to total because more than one category may apply to a unit.


QUAL03        \
              \[B]Selected Deficiencies@1
```

```
             \
             \Signs of rats in last 3 months                    \RATS = "X"
             \Signs of mice in last 3 months                    \MICE = "X"
             \Signs of rodents, not sure which kind
             \ in last 3 months                                 \NOTSUR = "X"
             \Holes in floors                                   \HOLES = 1
             \Open cracks or holes (interior)                   \CRACKS = 1
             \Broken plaster or peeling paint
             \ (interior)                                       \BIGP = 1
             \No electrical wiring                              \NOWIRE = 3
             \Exposed wiring                                    \NOWIRE = 2
             \Rooms without electric outlets                    \PLUGS = 2
\[F]@1Figures may not add to total because more than one category may apply to a unit.


QUAL04       \
             \[B]Selected Deficiencies@1
             \
             \Holes in floors                                   \HOLES = 1
             \Open cracks or holes (interior)                   \CRACKS = 1
             \Broken plaster or peeling paint
             \ (interior)                                       \BIGP = 1
             \No electrical wiring                              \NOWIRE = 3
             \Exposed wiring                                    \NOWIRE = 2
             \Rooms without electric outlets                    \PLUGS = 2
\[F]@1Figures may not add to total because more than one category may apply to a unit.


|/* RECODES for HHRACE and HHSPAN and HHBLACK - RACE02 - Race and Origin */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|       if REL eq 1-2 then do;
|          HHRACE = RACE
|          HHBLACK = BLACK;
|          HHSPAN = SPAN;
|       end;
|    end;
|end;
|


RACE02       \
             \[B]Race and Hispanic Origin
```

```
          \
          \White alone                                              \HHRACE = 1
          \  Non-Hispanic                                           \HHSPAN = 2
          \   Hispanic                                              \HHSPAN = 1
          \Black alone                                              \HHRACE = 2
          \  Non-Hispanic                                           \HHSPAN = 2
          \   Hispanic                                              \HHSPAN = 1
          \American Indian or Alaska Native alone                   \HHRACE = 3
          \Asian alone                                              \HHRACE = 4
          \Pacific Islander alone@20                                \HHRACE = 5
          \Two or more races                                        \HHRACE = 6-21
          \Hispanic or Latino (any race)@21                         \HHSPAN = 1
\[F]@20Native Hawaiian and Other Pacific Islander.
\[F]@21Because Hispanics may be any race, data can overlap slightly with other groups.  Most Hispanics report
\[F] themselves as White, but some report themselves as Black or in other categories.


|/* RECODE for ZVI - RATI01 - Ratio of Value to Current Income */
|
|if STATUS eq 1 and TENURE eq 1 then do;
|   ZVIR = 0;
|   if ZINC ge 1 then ZVIR = VALUE / ZINC;
|   else if ZINC lt 1 and ZINCN ge 1 then ZVIR = VALUE / ZINCN;
|   else ZVIR = .;
|   ZVI = round(ZVIR,.01);
|end;
|


RATI01        \
          \[B]Ratio of Value to Current Income
          \
          \Less than 1.5                                            \0.0 le ZVI lt 1.5
          \1.5 to 1.9                                               \1.5 le ZVI lt 2.0
          \2.0 to 2.4                                               \2.0 le ZVI lt 2.5
          \2.5 to 2.9                                               \2.5 le ZVI lt 3.0
          \3.0 to 3.9                                               \3.0 le ZVI lt 4.0
          \4.0 to 4.9                                               \4.0 le ZVI lt 5.0
          \5.0 or more                                              \ZVI ge 5.0
          \Zero or negative income                                  \ZSMHCP = .X
!8.1!     \[B]Median                                                \
~TYP=50 ROW=9,9
~  CELLS=R1,R2,R3,R4,R5,R6,R7
```

```
~   RANGES=0.0,1.5,2.0,2.5,3.0,4.0,5.0,98;
*OVERRIDES=1.5,5.0;


REGN01          \
                \[B]Regions
                \
                \Northeast                                      \REGION = 1
                \Midwest                                        \REGION = 2
                \South                                          \REGION = 3
                \West                                           \REGION = 4


|/* RECODE for LODG - RENT01 - Rent Paid by Nonrelatives */
|
|if STATUS = 1 then do;
|    LODGR = 0;
|    LODGRS = 0;
|    if LDSTA_(i) eq 1 then LODGRS = LODGRS + 1;
|    if LDSTA_(i) eq 1 and RNTDU_(i) EQ 1-52 and LDRNT_(i) ge 1 then
|        LODGR + (LDRNT_(i) * RNTDU_(i)) / 12;
|    if (I = personcount) then do;
|        if LODGR le 0 then LODGR = .D;
|    end;
|    LODG = round(LODGR,1);
|end;
|


RENT01          \
                \[B]Rent Paid by Lodgers
                \
                \++          Lodgers in housing units           \LODGRS gt 0
                \Less than $100 per month                       \LODG = 0-99
                \$100 to $199                                   \LODG = 100-199
                \$200 to $299                                   \LODG = 200-299
                \$300 to $399                                   \LODG = 300-399
                \$400 or more per month                         \LODG ge 400
                \Not reported                                   \LODG = .D
                \[B]Median                                      \
~TYP=50 ROW=8,8
~   CELLS=R2,R3,R4,R5,R6
~   RANGES=0,100,200,300,400,9998;
*OVERRIDES=100,400;
```

```
|/* RECODE for PUBSUB - RENT02 - Rent Reductions */
|
|if (STATUS eq 1 and TENURE eq 2-3) or (STATUS eq 2-3 and (VACANCY eq 1-2 or VACANCY eq 4) then do;
|    PUBSUB = ' ';
|    if PROJ eq 1 then PUBSUB = 6;
|    else if (SUBRNT eq 1 and PROJ ne 1) or VCHER eq 1 or APPLY eq 1 then PUBSUB = 7;
|    else if RENEW eq 1 and PROJ ne 1 and SUBRNT ne 1 and VCHER ne 1 and apply ne 1 then PUBSUB = 8;
|    else if RCNTRL eq 1 then PUBSUB = 1;
|    else if SUBRNT eq 2 and RENEW = 2 and (RCNTRL eq 'D' or RCNTRL eq 'R' or RCNTRL eq ' ') then PUBSUB = 5;
|    else if RCNTRL eq 2 and RNTADJ eq 1 then PUBSUB = 2;
|    else if RCNTRL eq 2 and RNTADJ eq 2 then PUBSUB = 3;
|    else if RCNTRL eq 2 and ((RNTADJ eq 'D' or RNTADJ eq 'R' or RNTADJ eq ' ') or
|        (STATUS eq 2-3 and (VACANCY eq 1-2 or VACANCY eq 4) and RNTADJ eq 'B')) then PUBSUB = 4;
|    else PUBSUB = 9;
|end;
|
```

```
RENT02      \--                                                  \(STATUS = 1 and TENURE = 2-3) or \
            \                                                    \(STATUS = 2-3 and (VACANCY = 1-2 or VACANCY = 4))
            \
            \[B]Rent Reductions
            \
            \No subsidy                                          \PUBSUB = 1 or PUBSUB = 2 or PUBSUB = 3 or \
            \                                                    \PUBSUB = 4 or PUBSUB = 5
            \  Rent control                                      \PUBSUB = 1
            \  No rent control                                   \PUBSUB = 2 or PUBSUB = 3 or PUBSUB = 4
            \    Reduced by owner                                \PUBSUB = 2
            \    Not reduced by owner                            \PUBSUB = 3
            \    Owner reduction not reported                    \PUBSUB = 4
            \  Rent control not reported                         \PUBSUB = 5
            \Owned by public housing authority                   \PUBSUB = 6
            \Government subsidy                                  \PUBSUB = 7
            \Other, income verification                          \PUBSUB = 8
            \Subsidy not reported                                \PUBSUB = 9


RMOV02      \
            \[B]Recent Mover Comparison to Previous Home
            \
            \Better home                                        \XHRATE = 1
            \Worse home                                         \XHRATE = 2
            \About the same                                     \XHRATE = 3
```

```
          \Not reported                                    \XHRATE = "D" or XHRATE = "R" or  XHRATE = " "

RMOV03        \
              \[B]Recent Mover Comparison to Previous
              \ Neighborhood
              \
              \Better neighborhood                         \XNRATE = 1
              \Worse neighborhood                          \XNRATE = 2
              \About the same                              \XNRATE = 3
              \Same neighborhood                           \XNRATE = 4
              \Not reported                                \XNRATE = "D" or XNRATE = "R" or XNRATE = " "

|/* RECODE for ROOMS - ROOM01 - Number of rooms */
|
|if STATUS eq 1-3 then ROOMS = sum(BEDRMS + KITCH + LIVING + DINING + FAMRM + RECRM + DENS + OTHFN);
|

ROOM01        \
              \[B]Rooms
              \
              \1 room                                      \ROOMS = 1
              \2 rooms                                     \ROOMS = 2
              \3 rooms                                     \ROOMS = 3
              \4 rooms                                     \ROOMS = 4
              \5 rooms                                     \ROOMS = 5
              \6 rooms                                     \ROOMS = 6
              \7 rooms                                     \ROOMS = 7
              \8 rooms                                     \ROOMS = 8
              \9 rooms                                     \ROOMS = 9
              \10 rooms or more                            \ROOMS ge 10

ROOM02        \
              \[B]Rooms Used for Business
              \
              \Business only
              \ 1 or more rooms with direct access         \EXCLUS = 1-10 and DIRAC = 1-10
              \ 1 or more rooms, no direct access          \EXCLUS = 1-10 and DIRAC = 0
              \  Not reported                              \EXCLUS = .D or EXCLUS = .R or EXCLUS = . or \
              \                                            \DIRAC = .D or DIRAC = .R or DIRAC = .
              \
              \Business and other use
```

```
            \  1 or more rooms                                  \BUSPER = 1-10
            \  Not reported                                     \BUSPER = .D or BUSPER = .R or BUSPER = .

SAFETY01    \
            \[B]Safety Equipment@1
            \
            \Working smoke detector
            \  Yes                                              \SMOKE = 1
            \    Powered by:
            \      Electricity                                  \SMOKPWR = 1
            \      Batteries                                    \SMOKPWR = 2
            \      Both                                         \SMOKPWR = 3
            \      Not reported                                 \SMOKPWR = "D" or SMOKPWR = "R" or SMOKPWR = " "
            \  No                                               \SMOKE = 2
            \  Not reported                                     \SMOKE = "D" or SMOKE = "R" or SMOKE = " "
            \  Batteries replaced in last 6 months@16
            \    Yes                                            \BATTERY = 1
            \    No                                             \BATTERY = 2
            \    Not reported                                   \BATTERY = "D" or BATTERY = "R" or \
            \                                                   \(BATTERY = " " and SMOKPWR = 2-3)
            \
            \Fire extinguisher purchased or recharged
            \ in the last 2 years                              \FIREX = 1
            \Sprinkler system inside home                      \SPRNKLR = 1
            \Working carbon monoxide detector                 \MONOX = 1
\[F]@1Figures may not add to total because more than one category may apply to a unit.
\[F]@16Restricted to units with smoke detector powered by both electricity and batteries, or batteries only.


SAMP01      \
#1#         \           [B]Sample size                         \STATUS = 1

SHOM01      \
            \[B]Reasons Extra Unit Owned@1
            \
            \++         Extra units                            \(STATUS = 2 and VACANCY = 1-10) or \
            \                                                  \((STATUS = 3) and (VACANCY = 6 or VACANCY = 8-10))
            \Previous usual residence                          \SXUREV = "X"
            \Used for recreational purposes                    \SRECV = "X"
            \Investment purposes                               \SINVV = "X"
            \Unable to sell property                           \SSELV = "X"
            \Inherited property                                \SINHV = "X"
```

```
        \Other reasons                                  \SOTHV = "X"
        \Not reported                                   \(SXUREV = "D" or SXUREV = "R" or SXUREV = " ") and \
        \                                               \(SRECV = "D" or SRECV = "R" or SRECV = " ") and \
        \                                               \(SINVV = "D" or SINVV = "R" or SINVV = " ") and \
        \                                               \(SSELV = "D" or SSELV = "R" or SSELV = " ") and \
        \                                               \(SINHV = "D" or SINHV = "R" or SINHV = " ") and \
        \                                               \(SOTHV = "D" or SOTHV = "R" or SOTHV = " ")
\[F]@1Figures may not add to total because more than one category may apply to a unit.


SHOM02      \
        \[B]Location of Extra Unit
        \
        \Within 150 miles of current residence          \S150MV = 1
        \150 miles or more from current residence        \S150MV = 2
        \Not reported                                   \S150MV = "D" or S150MV = "R" or S150MV = " "


SHOM03      \
        \[B]Nights Owner Spent at Extra Unit
        \
        \0 to 2 nights                                  \SNITEV = 1
        \3 to 7 nights                                  \SNITEV = 2
        \8 nights or more                               \SNITEV = 3
        \Not reported                                   \SNITEV = "D" or SNITEV = "R" or SNITEV = " "


SHOM04      \
        \[B]Nights Owner Rented Extra Unit
        \
        \0 to 2 nights                                  \SRENTV = 1
        \3 to 7 nights                                  \SRENTV = 2
        \8 nights or more                               \SRENTV = 3
        \Not reported                                   \SRENTV = "D" or SRENTV = "R" or SRENTV = " "


SITE01      \
        \[B]Site Placement
        \
        \++         Manufactured/mobile homes           \NUNIT2 = 4
        \First site                                     \FRSIT = 1
        \Moved from another site                        \FRSIT = 2
        \Don't know                                     \FRSIT = "D"
        \Not reported                                   \FRSIT = "R" or FRSIT = " "
```

```
SIZE01       \
             \[B]Lot Size
             \
             \++         1-unit structures@9                          \STATUS = 1-3 and CONDO = 3 and \
             \                                                        \(NUNIT2 = 1-2 or NUNIT2 = 4)
             \Less than 1/8 acre                                       \LOT = 1-5499
             \1/8 up to 1/4 acre                                       \LOT = 5500-10999
             \1/4 up to 1/2 acre                                       \LOT = 11000-21999
             \1/2 up to 1 acre                                         \LOT = 22000-43999
             \1 up to 5 acres                                          \LOT = 44000-219999
             \5 up to 10 acres                                         \LOT = 220000-439999
             \10 acres or more                                         \LOT ge 440000
!8.2!        \[B]Median                                                \
~TYP=50 ROW=9,9
~  CELLS=R2,R3,R4,R5,R6,R7,R8
~  RANGES=0,0.13,0.25,0.50,1.0,5.0,10.0,999998;
*OVERRIDES=0.13,10.0;
\[F]@9Does not include cooperatives or condominiums.


SIZE03       \
             \[B]Place Size@30
             \
             \Less than 2,500 persons                                 \PLSIZE90 = 1-11
             \2,500 to 9,999 persons                                  \PLSIZE90 = 12-13
             \10,000 to 19,999 persons                                \PLSIZE90 = 14
             \20,000 to 49,999 persons                                \PLSIZE90 = 15-16
             \50,000 to 99,999 persons                                \PLSIZE90 = 17
             \100,000 to 249,999 persons                              \PLSIZE90 = 18
             \250,000 to 499,999 persons                              \PLSIZE90 = 19
             \500,000 to 999,999 persons                              \PLSIZE90 = 20
             \1,000,000 persons or more                               \PLSIZE90 = 21-23
\[F]@30Does not add up to total because not all populations reside in a place, see Appendix A.



SQFT01       \
             \[B]Square Footage of Unit
             \
             \++         Single detached and
             \          manufactured/mobile homes                     \NUNIT2 = 1 or NUNIT2 = 4
             \Less than 500                                           \UNITSF = 1-499
             \500 to 749                                              \UNITSF = 500-749
```

```
        \750 to 999                                     \UNITSF = 750-999
        \1,000 to 1,499                                 \UNITSF = 1000-1499
        \1,500 to 1,999                                 \UNITSF = 1500-1999
        \2,000 to 2,499                                 \UNITSF = 2000-2499
        \2,500 to 2,999                                 \UNITSF = 2500-2999
        \3,000 to 3,999                                 \UNITSF = 3000-3999
        \4,000 or more                                  \UNITSF ge 4000
        \Not reported                                   \UNITSF = .D or UNITSF = .R or UNITSF = .
        \[B]Median                                      \
~TYP=50 ROW=12,12
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10
~  RANGES=1,500,750,1000,1500,2000,2500,3000,4000,99998;
*OVERRIDES=500,4000;

|/* RECODE for ZCROWF - SQFT02 - Square Feet Per Person */
|
|if STATUS eq 1 and (NUNIT2 eq 1 or NUNIT2 eq 4) then do;
|    if UNITSF eq .D or UNITSF eq .R or UNITSF eq . then
|        ZCROWF = .D;
|    else ZCROWFR = UNITSF / CURPER;
|    ZCROWF = round(ZCROWFR,1);
|end;
|

SQFT02        \
              \[B]Square Feet per Person
              \
              \++        Single detached and
              \          manufactured/mobile homes    \NUNIT2 = 1 or NUNIT2 = 4
              \Less than 200                          \ZCROWF = 0-199
              \200 to 299                             \ZCROWF = 200-299
              \300 to 399                             \ZCROWF = 300-399
              \400 to 499                             \ZCROWF = 400-499
              \500 to 599                             \ZCROWF = 500-599
              \600 to 699                             \ZCROWF = 600-699
              \700 to 799                             \ZCROWF = 700-799
              \800 to 899                             \ZCROWF = 800-899
              \900 to 999                             \ZCROWF = 900-999
              \1,000 to 1,499                         \ZCROWF = 1000-1499
              \1,500 or more                          \ZCROWF ge 1500
              \Not reported                           \UNITSF = .D or UNITSF = .R or UNITSF = .
```

```
          \[B]Median                                         \
~TYP=50 ROW=14,14
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12
~  RANGES=0,200,300,400,500,600,700,800,900,1000,1500,99998;
*OVERRIDES=200,1500;


SQFT03          \
          \[B]Square Footage of Unit
          \
          \++        Single detached and
          \        manufactured/mobile homes              \NUNIT2 = 1 or NUNIT2 = 4
          \Less than 500                                  \UNITSF = 0-499
          \500 to 749                                     \UNITSF = 500-749
          \750 to 999                                     \UNITSF = 750-999
          \1,000 to 1,499                                 \UNITSF = 1000-1499
          \1,500 to 1,999                                 \UNITSF = 1500-1999
          \2,000 to 2,499                                 \UNITSF = 2000-2499
          \2,500 to 2,999                                 \UNITSF = 2500-2999
          \3,000 to 3,999                                 \UNITSF = 3000-3999
          \4,000 or more                                  \UNITSF ge 4000
          \Not reported (includes don't know)             \UNITSF = .D or UNITSF = .R or UNITSF = .
          \[B]Median                                      \
~TYP=50 ROW=12,12
~  CELLS=R2,R3,R4,R5,R6,R7,R8,R9,R10
~  RANGES=0,500,750,1000,1500,2000,2500,3000,4000,99998;
*OVERRIDES=500,4000;


STEP01          \
          \[B]Access to structure
          \
          \++        Entering building from outside@24     \NUNIT2 = 3
          \Use of steps not required                       \NOSTEP = 1
          \Use of steps required                           \NOSTEP = 2
          \Use of steps not reported                       \NOSTEP = "D" or NOSTEP = "R" or NOSTEP = " "
          \++        Entering home from outside@25          \NUNIT2 = 1 or NUNIT2 = 2 or NUNIT2 = 4
          \Use of steps not required                       \NOSTEP = 1
          \Use of steps required                           \NOSTEP = 2
          \Use of steps not reported                       \NOSTEP = "D" or NOSTEP = "R" or NOSTEP = " "
\[F]@24Restricted to multiunits.
\[F]@25Restricted to single units.
```

```
STOR01      \--                                               \NUNIT2 = 1-3
            \
            \[B]Stories in Structure@18
            \
            \1                                                 \FLOORS = 1
            \2                                                 \FLOORS = 2
            \3                                                 \FLOORS = 3
            \4 to 6                                            \FLOORS = 4-6
            \7 or more                                         \FLOORS = 7-21
\[F]@18Figures exclude manufactured/mobile homes.

STOR02      \
            \[B]Stories Between Main and Apartment
            \ Entrances
            \
            \++        Multiunits, 2 or more floors            \NUNIT2 = 3 and FLOORS ge 2
            \None (on same floor)                              \CLIMB = 0
            \1 (up or down)                                    \CLIMB = 1
            \2 or more (up or down)                            \CLIMB = 2-21

|/* RECODES for XUNITHH and XINUSHH - STPR01 - Structure Type of Previous Residence */
|
|if STATUS eq 1 then do;
|    if MVG eq 1-4 then do;
|       if (MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM)) then do;
|          if REL eq 1-2 then do;
|             XINUSHH = XINUS;
|             XUNITHH = XUNIT;
|          end;
|       end;
|    end;
|end;
|

STPR01      \
            \[B]Structure Type of Previous Residence
            \
            \++        Moved from within
            \          the United States                       \XINUSHH ne "X"
            \House                                             \XUNITHH = 1
            \Apartment                                         \XUNITHH = 2
```

```
         \Manufactured/mobile home                        \XUNITHH = 3
         \Other                                           \XUNITHH = 4
         \Not reported                                    \XUNITHH = "D" or XUNITHH = "R" or XUNITHH = " "

|/* RECODE for SBFIXU - SUBR01 - Government Subsidy for Repairs */
|
|SBFIXU = 0;
|if MAJDIS eq 1 then SBFIXU = 1;
|if UNFINIS eq 1 then SBFIXU = 1;
|if ADDITON eq 1 then SBFIXU = 1;
|if BULTOUT eq 1 then SBFIXU = 1;
|if BTHKIT eq 1 then SBFIXU = 1;
|if RENALT eq 1 then SBFIXU = 1;
|if ROOF eq 1 then SBFIXU = 1;
|if SIDING eq 1 then SBFIXU = 1;
|if DOORWIN eq 1 then SBFIXU = 1;
|if INSULAT eq 1 then SBFIXU = 1;
|if WTRPIPE eq 1 then SBFIXU = 1;
|if PLUMFXT eq 1 then SBFIXU = 1;
|if WIRING eq 1 then SBFIXU = 1;
|if SECURE eq 1 then SBFIXU = 1;
|if CARPET eq 1 then SBFIXU = 1;
|if FLOORIN eq 1 then SBFIXU = 1;
|if PANEL eq 1 then SBFIXU = 1;
|if SUBFL eq 'X' then SBFIXU = 1;
|if CENAIR eq 1 then SBFIXU = 1;
|if HEATEQU eq 1 then SBFIXU = 1;
|if SEPTIC eq 1 then SBFIXU = 1;
|if WTRHTR eq 1 then SBFIXU = 1;
|if DSHWSHR eq 1 then SBFIXU = 1;
|if DSPOSAL eq 1 then SBFIXU = 1;
|if MSINSID eq 1 then SBFIXU = 1;
|if DRIVEWY eq 1 then SBFIXU = 1;
|if FENCE eq 1 then SBFIXU = 1;
|if PATIO eq 1 then SBFIXU = 1;
|if POOL eq 1 then SBFIXU = 1;
|if SHED eq 1 then SBFIXU = 1;
|if MISSOUT eq 1 then SBFIXU = 1;
|

SUBR01      \
```

```
            \[B]Government Subsidy for Repairs
            \
            \++          Units with major repairs in
            \        the last 2 years                          \SBFIXU = 1
            \Received low interest loan or grant               \SUBFIX = 1
            \No low interest loan or grant                     \SUBFIX = 2
            \Not reported                                      \SUBFIX = "D" or SUBFIX = "R" or SUBFIX = " "

SYRU01      \
            \[B]Suitability for Year-Round Use@11
            \
            \Built and heated for year-round use               \STATUS = 1 or (STATUS = 2-3 and VACANCY 1-7) or \
            \                                                   \(STATUS = 2-3 and VACANCY = 8-11 and YRRND = 1)
            \Not suitable                                       \STATUS = 2-3 and VACANCY = 8-11 and YRRND = 2
            \Not reported                                       \STATUS = 2-3 and VACANCY = 8-11 and \
            \                                                   \(YRRND = "D" or YRRND = "R" or YRRND = " ")
\[F]@11If occupied year-round, assumed to be suitable for year-round use.


|/* RECODE for AMTXP and AMTXV - TAXS03 and TAXS02 - Real Estate Taxes */
|
|if (STATUS eq 1 and TENURE eq 1) or (STATUS 2-3 and (VACANCY eq 3 or VACANCY eq 5)) then do;
|    AMTXPR = .;
|    if STATUS eq 1 and TENURE eq 1 and TXRE ne 1 and AMTXQ eq 0 then AMTXPR = 0;
|    else if STATUS eq 1 and TENURE eq 1 and TXRE eq 1 and (AMTXQ - AMTXRE) le 0 then AMTXPR = 0;
|    else if STATUS eq 2-3 and (VACANCY eq 3 or VACANCY eq 5) and AMTXQ le 0 then AMTXPR = 0;
|    else if STATUS eq 1 and TENURE eq 1 and TXRE ne 1 and AMTXQ ge 1 then AMTXPR = AMTXQ / 12;
|    else if STATUS eq 1 and TENURE eq 1 and TXRE eq 1 and (AMTXQ - AMTXRE) ge 1 then AMTXPR = (AMTXQ - AMTXRE) / 12;
|    else if STATUS eq 2-3 and (VACANCY eq 3 or VACANCY eq 5) and AMTXQ ge 1 then AMTXPR = AMTXQ / 12;
|    AMTXVR = (AMTXPR * 12) / (VALUE / 1000);
|    AMTXV = round(AMTXVR,1);
|    AMTXP = round(AMTXPR,1);
|end;
|


TAXS02      \--                                                \(STATUS = 1 and TENURE = 1) or \
            \                                                   \(STATUS = 2-3 and (VACANCY = 3 or VACANCY = 5))
            \
            \[B]Annual Taxes Paid per $1,000 Value
            \
            \Less than $5                                       \AMTXV = 0-4
            \$5 to $9                                           \AMTXV = 5-9
```

```
          \$10 to $14                                        \AMTXV = 10-14
          \$15 to $19                                        \AMTXV = 15-19
          \$20 to $24                                        \AMTXV = 20-24
          \$25 or more                                       \AMTXV ge 25
          \[B]Median                                         \
~TYP=50 ROW=7,7
~  CELLS=R1,R2,R3,R4,R5,R6
~  RANGES=0,5,10,15,20,25,998;
*OVERRIDES=5,25;


TAXS03    \--                                                \(STATUS = 1 and TENURE = 1) or \
          \                                                  \(STATUS = 2-3 and (VACANCY = 3 or VACANCY = 5))
          \
          \[B]Average Monthly Cost Paid for
          \ Real Estate Taxes
          \
          \Less than $25                                     \AMTXP = 0-24
          \$25 to $49                                        \AMTXP = 25-49
          \$50 to $74                                        \AMTXP = 50-74
          \$75 to $99                                        \AMTXP = 75-99
          \$100 to $124                                      \AMTXP = 100-124
          \$125 to $149                                      \AMTXP = 125-149
          \$150 to $199                                      \AMTXP = 150-199
          \$200 to $299                                      \AMTXP = 200-299
          \$300 to $399                                      \AMTXP = 300-399
          \$400 to $499                                      \AMTXP = 400-499
          \$500 to $599                                      \AMTXP = 500-599
          \$600 or more                                      \AMTXP ge 600
          \[B]Median                                         \
~TYP=50 ROW=13,13
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12
~  RANGES=0,25,50,75,100,125,150,200,300,400,500,600,99998;
*OVERRIDES=25,600;


TENU01    \[N]All Occupied                                   \STATUS = 1
          \
          \[B]Tenure
          \
          \Owner occupied                                    \TENURE = 1
!8.1!     \  Percent of all occupied                         \(CELL(-1) / CELL(-2)) * 100
          \Renter occupied                                   \TENURE = 2-3
```

```
|/* RECODES for XUNITHH and XTENHH - TENU02 - Tenure of Previous Residence */
|
|if STATUS eq 1 then do;
|    if MVG eq 1-4 then do;
|        if (MOVE eq DATEY or (MOVE eq DATEY - 1 and DATEM le MOVM)) then do;
|            if REL eq 1-2 then do;
|                XTENHH = XTEN;
|                XUNITHH = XUNIT;
|            end;
|        end;
|    end;
|end;
|
```

```
TENU02       \
             \[B]Tenure of Previous Residence
             \
             \++         House, apartment,
             \           manufactured/mobile home in
             \           the United States                 \XUNITHH = 1-3
             \Owner occupied                               \XTENHH = 1
             \Renter occupied                              \XTENHH = 2-3


TIME01       \
             \[B]Time Sharing
             \
             \++         Vacant, including URE             \STATUS = 2-3
             \Ownership time-shared                        \TIMSHR = 1
             \Not time-shared                              \TIMSHR = 2


TOIL01       \
             \[B]Flush Toilet Breakdowns
             \
             \++         With one or more flush toilets    \BATHS = 2-10 or TOILET = 1
             \With at least one working toilet at all
             \ times in last 3 months                      \IFTLT = 2
             \None working some time in last 3 months      \IFTLT = 1
             \  No breakdowns lasting 6 hours or more       \NUMTLT = 0
             \  1 time lasting 6 hours or more              \NUMTLT = 1
             \  2 times                                     \NUMTLT = 2
             \  3 times                                     \NUMTLT = 3
```

```
        \  4 times or more                              \NUMTLT = 4-8
        \  Number of times not reported                 \NUMTLT = "D" or NUMTLT = "R" or NUMTLT = " "
        \Breakdowns not reported                        \IFTLT = "D" or IFTLT = "R" or IFTLT = " "


UNIT01      \
        \[B]Units in Structure
        \
        \1, detached                                    \NUNIT2 = 1
        \1, attached                                    \NUNIT2 = 2
        \2 to 4                                         \NUNIT2 = 3 and NUNITS = 2-4
        \5 to 9                                         \NUNIT2 = 3 and NUNITS = 5-9
        \10 to 19                                       \NUNIT2 = 3 and NUNITS = 10-19
        \20 to 49                                       \NUNIT2 = 3 and NUNITS = 20-49
        \50 or more                                     \NUNIT2 = 3 and NUNITS ge 50
        \Manufactured/mobile home or trailer            \NUNIT2 = 4


UNIT05      \
        \[B]Units Using Each Fuel@1
        \
        \Electricity                                    \BUYE ne 1
        \Piped gas                                      \BUYG ne 1 and GASPIP = 1
        \Bottled gas                                    \BUYG ne 1 and GASPIP = 2
        \Fuel oil                                       \BUYO ne 1
        \Kerosene or other liquid fuel                  \HFUEL = 4 or CFUEL = 3 or WFUEL = 4
        \Coal or coke                                   \HFUEL = 5 or CFUEL = 4 or WFUEL = 5
        \Wood                                           \HFUEL = 6 or CFUEL = 5 or WFUEL = 6
        \Solar energy                                   \HFUEL = 7 or WFUEL = 7
        \Other                                          \HFUEL = 8 or CFUEL = 6 or WFUEL = 8 or \
        \                                               \AFUEL = 3 or DFUEL = 3 or OAFUEL = 3
        \
        \All electric units                             \(HFUEL = 1 or CFUEL = 1 or WFUEL = 1 or \
        \                                               \AFUEL = 1 or DFUEL = 1 or OAFUEL = 1) and \
        \                                               \((HFUEL = 1 or HFUEL = 9) and \
        \                                               \((CFUEL = 1 or CFUEL = 7) or (COOK = 2 and \
        \                                               \OVEN = 2 and BURNER = 2)) and (WFUEL = 1 or \
        \                                               \HOTPIP = 2) and (AFUEL = 1 or AIRSYS ne 1) and \
        \                                               \(DFUEL = 1 or DRY ne 1))
\[F]@1Figures may not add to total because more than one category may apply to a unit.


UNIT06      \
        \[B]Units Using Each Fuel@1
```

```
         \
         \Electricity                                    \(STATUS = 1 and BUYE ne 1) or \
         \                                               \(STATUS = 2-3 and BUYE2 ne 3)
         \Gas                                            \(STATUS = 1 and BUYG ne 1) or \
         \                                               \(STATUS = 2-3 and BUYG2 ne 3)
         \Fuel oil                                       \(STATUS = 1 and BUYO ne 1) or \
         \                                               \(STATUS = 2-3 and BUYO2 ne 3)
         \Kerosene or other liquid fuel                  \HFUEL = 4 or CFUEL = 3 or WFUEL = 4
         \Coal or coke                                   \HFUEL = 5 or CFUEL = 4 or WFUEL = 5
         \Wood                                           \HFUEL = 6 or CFUEL = 5 or WFUEL = 6
         \Solar energy                                   \HFUEL = 7 or WFUEL = 7
         \Other                                          \HFUEL = 8 or CFUEL = 6 or WFUEL = 8 or AFUEL = 3 or \
         \                                               \DFUEL = 3 or OAFUEL = 3
         \
         \All electric units                             \(HFUEL = 1 or CFUEL = 1 or WFUEL = 1 or \
         \                                               \AFUEL = 1 or DFUEL = 1 or OAFUEL = 1) and \
         \                                               \((HFUEL = 1 or HFUEL = 9) and \
         \                                               \((CFUEL = 1 or CFUEL = 7) or (COOK = 2 and \
         \                                               \OVEN = 2 and BURNER = 2)) and (WFUEL = 1 or \
         \                                               \HOTPIP = 2) and (AFUEL = 1 or AIRSYS ne 1) and \
         \                                               \(DFUEL = 1 or DRY ne 1))
\[F]@1Figures may not add to total because more than one category may apply to a unit.

VALU03     \
           \[B]Value
           \
           \Less than $10,000                            \VALUE = 1-9999
           \$10,000 to $19,999                           \VALUE = 10000-19999
           \$20,000 to $29,999                           \VALUE = 20000-29999
           \$30,000 to $39,999                           \VALUE = 30000-39999
           \$40,000 to $59,999                           \VALUE = 40000-59999
           \$60,000 to $79,999                           \VALUE = 60000-79999
           \$80,000 to $99,999                           \VALUE = 80000-99999
           \$100,000 to $119,999                         \VALUE = 100000-119999
           \$120,000 to $149,999                         \VALUE = 120000-149999
           \$150,000 to $199,999                         \VALUE = 150000-199999
           \$200,000 to $299,999                         \VALUE = 200000-299999
           \$300,000 to $399,999                         \VALUE = 300000-399999
           \$400,000 to $499,999                         \VALUE = 400000-499999
           \$500,000 to $749,999                         \VALUE = 500000-749999
           \$750,000 or more                             \VALUE = 750000-9999998
```

```
            \[B]Median                                                \
~TYP=50 ROW=16,16
~   CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~   RANGES=1,10000,20000,30000,40000,60000,80000,100000,120000,150000
~   CELLS=R10,R11,R12,R13,R14,R15
~   RANGES=200000,300000,400000,500000,750000,9999998;
*OVERRIDES=10000,750000;

VALU04      \--                                               \(STATUS = 1 and TENURE = 1) or \
            \                                                 \(STATUS = 3 and (VACANCY = 3 or VACANCY = 5))
            \
            \[B]Value@12
            \
            \Less than $10,000                                \VALUE = 1-9999
            \$10,000 to $19,999                               \VALUE = 10000-19999
            \$20,000 to $29,999                               \VALUE = 20000-29999
            \$30,000 to $39,999                               \VALUE = 30000-39999
            \$40,000 to $59,999                               \VALUE = 40000-59999
            \$60,000 to $79,999                               \VALUE = 60000-79999
            \$80,000 to $99,999                               \VALUE = 80000-99999
            \$100,000 to $119,999                             \VALUE = 100000-119999
            \$120,000 to $149,999                             \VALUE = 120000-149999
            \$150,000 to $199,999                             \VALUE = 150000-199999
            \$200,000 to $299,999                             \VALUE = 200000-299999
            \$300,000 to $399,999                             \VALUE = 300000-399999
            \$400,000 to $499,999                             \VALUE = 400000-499999
            \$500,000 to $749,999                             \VALUE = 500000-749999
            \$750,000 or more                                 \VALUE = 750000-9999998
            \[B]Median                                        \
~TYP=50 ROW=16,16
~   CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9
~   RANGES=1,10000,20000,30000,40000,60000,80000,100000,120000,150000
~   CELLS=R10,R11,R12,R13,R14,R15
~   RANGES=200000,300000,400000,500000,750000,9999998;
*OVERRIDES=10000,750000;
\[F]@12Asking price for vacant units that are for sale, purchase price for units sold but not yet occupied.

WATR01      \
            \[B]Primary Source of Water
            \
            \Public system or private company                \WATER = 1 or WELDUS = 3-5
```

```
          \Well serving 1 to 5 units                      \WATER = 2 and WELDUS = 1-2
          \   Drilled                                     \WELL = 1
          \   Dug                                         \WELL = 2
          \   Not reported                                \WELL = "D" or WELL = "R" or WELL = " "
          \Other                                          \(WATER = 3-5 and WELDUS = 1-2) or WATER = 6-7

WATR02    \
          \[B]Water Supply Stoppage
          \
          \++        With hot and cold piped water        \HOTPIP = 1
          \No stoppage in last 3 months                   \IFDRY = 2
          \With stoppage in last 3 months                 \IFDRY = 1
          \   No stoppage lasting 6 hours or more         \NUMDRY = 0
          \   1 time lasting 6 hours or more              \NUMDRY = 1
          \   2 times                                     \NUMDRY = 2
          \   3 times                                     \NUMDRY = 3
          \   4 times or more                             \NUMDRY = 4-8
          \   Number of times not reported                \NUMDRY = "D" or NUMDRY = "R" or NUMDRY = " "
          \Stoppage not reported                          \IFDRY = "D" or IFDRY = "R" or IFDRY = " "

WATR03    \
          \[B]Water Leakage During Last 12 Months
          \
          \No leakage from inside structure               \ILEAK = 2
          \With leakage from inside structure@1           \ILEAK = 1
          \   Fixtures backed up or overflowed            \PLEAK = "X"
          \   Pipes leaked                                \PILEAK = "X"
          \   Broken water heater                         \WTRHRL = "X"
          \   Other or unknown
          \    (includes not reported)                    \(NLEAK1 = "X" or NLEAK2 = "X") or \
          \                                               \((PLEAK = "D" or PLEAK = "R" or PLEAK = " ") and \
          \                                               \(PILEAK = "D" or PILEAK = "R" or PILEAK = " ") and \
          \                                               \(WTRHRL = "D" or WTRHRL = "R" or WTRHRL = " ") and \
          \                                               \(NLEAK1 = "D" or NLEAK1 = "R" or NLEAK1 = " ") and \
          \                                               \(NLEAK2 = "D" or NLEAK2 = "R" or NLEAK2 = " "))
          \Interior leakage not reported                  \ILEAK = "D" or ILEAK = "R" or ILEAK = " "
          \
          \No leakage from outside structure              \LEAK = 2
          \With leakage from outside structure@1          \LEAK = 1
          \   Roof                                        \RLEAK = "X"
          \   Basement                                    \BLEAK = "X"
```

```
          \  Walls, closed windows, or doors                \WLEAK = "X"
          \  Other or unknown
          \   (includes not reported)                       \(OTLEAK = "X") or \
          \                                                  \((RLEAK = "D" or RLEAK = "R" or RLEAK = " ") and \
          \                                                  \BLEAK = " " and WLEAK = " " and OTLEAK = " ")
          \Exterior leakage not reported                     \LEAK = "D" or LEAK = "R" or LEAK = " "
\[F]@1Figures may not add to total because more than one category may apply to a unit.


WATR04    \
          \[B]Safety of Primary Source of Water
          \
          \++        Selected primary water
          \         sources@13                              \WATER = 1-5 or WATER = 7
          \Safe to drink                                    \WATERS = 1
          \Not safe to drink                                \WATERS = 2
          \Safety not reported                              \WATERS = "R" or WATERS = "D" or WATERS = " "
\[F]@13Excludes units where primary source of water is commercial bottled water.


WATR05    \
          \[B]Source of Drinking Water
          \
          \++        Primary source not safe to drink       \(WATER = 1-5 or WATER = 7) and WATERS = 2
          \Drinking and primary water source
          \ the same                                        \(WATER = 1 and WATERD = 1) or \
          \                                                 \(WATER = 2 and WATERD = 2) or \
          \                                                 \(WATER = 3 and WATERD = 3) or \
          \                                                 \(WATER = 4 and WATERD = 4) or \
          \                                                 \(WATER = 5 and WATERD = 5) or \
          \                                                 \(WATER = 7 and WATERD = 7)
          \  Public or private system                       \WATERD = 1 and WATER = 1
          \  Individual well                                \WATERD = 2 and WATER = 2
          \  Spring                                         \WATERD = 3 and WATER = 3
          \  Cistern                                        \WATERD = 4 and WATER = 4
          \  Stream or lake                                 \WATERD = 5 and WATER = 5
          \  Other                                          \WATERD = 7 and WATER = 7
          \Drinking and primary water source
          \ different                                       \(WATER = 1 and (WATERD = 2-7)) or \
          \                                                 \(WATER = 2 and (WATERD = 1 or WATERD = 3-7)) or \
          \                                                 \(WATER = 3 and (WATERD = 1-2 or WATERD = 4-7)) or \
          \                                                 \(WATER = 4 and (WATERD = 1-3 or WATERD = 5-7)) or \
          \                                                 \(WATER = 5 and (WATERD = 1-4 or WATERD = 6-7)) or \
```

```
            \                                                \(WATER = 7 and WATERD = 1-6)
            \   Public or private system                     \WATERD = 1 and (WATER = 2-7)
            \   Individual well                              \WATERD = 2 and (WATER = 1 or WATER = 3-7)
            \   Spring                                       \WATERD = 3 and (WATER = 1-2 or WATER = 4-7)
            \   Cistern                                      \WATERD = 4 and (WATER = 1-3 or WATER = 5-7)
            \   Stream or lake                               \WATERD = 5 and (WATER = 1-4 or WATER = 6-7)
            \   Commercial bottled water                     \WATERD = 6 and (WATER = 1-5 or WATER = 7)
            \   Other                                        \WATERD = 7 and (WATER = 1-6)
            \Source of drinking water not reported           \WATERD = "R" or WATERD = "D" or WATERD = " "

YBLT01      \
            \[B]Year Structure Built@14
            \
            \2005 to 2009                                    \BUILT = 2005-2009
            \2000 to 2004                                    \BUILT = 2000-2004
            \1995 to 1999                                    \BUILT = 1995-1999
            \1990 to 1994                                    \BUILT = 1990-1994
            \1985 to 1989                                    \BUILT = 1985-1989
            \1980 to 1984                                    \BUILT = 1980-1984
            \1975 to 1979                                    \BUILT = 1975-1979
            \1970 to 1974                                    \BUILT = 1970-1974
            \1960 to 1969                                    \BUILT = 1960-1969
            \1950 to 1959                                    \BUILT = 1950-1959
            \1940 to 1949                                    \BUILT = 1940-1949
            \1930 to 1939                                    \BUILT = 1930-1939
            \1920 to 1929                                    \BUILT = 1920-1929
            \1919 or earlier                                 \BUILT = 1919
            \[B]Median                                       \
~TYP=50 ROW=15,15
~   CELLS=R1,R2,R3,R4,R5,R6,R7,R8
~   RANGES=2009,2005,2000,1995,1990,1985,1980,1975,1970
~   CELLS=R9,R10,R11,R12,R13,R14
~   RANGES=1960,1950,1940,1930,1920,1919;
*OVERRIDES=1919,2005;
\[F]@14For manufactured/mobile homes, oldest category is 1939 or earlier.

YEAR01      \
            \[B]Year Unit Acquired
            \
            \2005 to 2009                                    \WHNGET = 2005-2009
            \2000 to 2004                                    \WHNGET = 2000-2004
```

```
        \1995 to 1999                                      \WHNGET = 1995-1999
        \1990 to 1994                                      \WHNGET = 1990-1994
        \1985 to 1989                                      \WHNGET = 1985-1989
        \1980 to 1984                                      \WHNGET = 1980-1984
        \1975 to 1979                                      \WHNGET = 1975-1979
        \1970 to 1974                                      \WHNGET = 1970-1974
        \1960 to 1969                                      \WHNGET = 1960-1969
        \1950 to 1959                                      \WHNGET = 1950-1959
        \1940 to 1949                                      \WHNGET = 1940-1949
        \1939 or earlier                                   \WHNGET = 1900-1939
        \[B]Median                                         \
~TYP=50 ROW=13,13
~  CELLS=R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12
~  RANGES=2009,2005,2000,1995,1990,1985,1980,1975,1970,1960,1950,1940,1900;
*OVERRIDES=1939,2005;


|/* RECODE for MOVEDLY - BOX02 - Householder Moved Last Year */
|
|if STATUS eq 1 then do;
|    if HHMEM eq 1 then do;
|        if REL eq 1-2 and (DATEY eq MOVE or (DATEY - MOVE eq 1 and MOVEM ge DATEM)) then MOVEDLY = 'X';
|    end;
|end;
|
|/* RECODE for NEWC - BOX01 and BOX02 - New Construction Last 4 Years */
|
|NEWC = ' ';
|if STATUS eq 1-3 then do;
|    if BUILT eq (DATEY - 3)-DATEY then NEWC = 1;
|    else if BUILT eq (DATEY - 4) then do;
|        if NUNIT2 eq 4 then do;
|            if RANUNI(DATEY) le .25 then NEWC = 1;
|            else if MBUILT ge DATEM then NEWC = 1;
|        end;
|    end;
|end;
|


**********************************************************************
```

```
*                                                                *
*                        BOXHEAD SECTION                         *
*                                                                *
******************************************************************


BOX01           \Total
                \ housing
                \ units                             \STATUS = 1-3
                \Sea-
                \ sonal                             \VACANCY = 8-11
                \Year-round
                \  Total                            \STATUS = 1 or VACANCY = 1-7
                \  Occupied
                \    Total                          \STATUS = 1
                \    Owner                          \TENURE = 1
                \    Renter                         \TENURE = 2-3
                \  Vacant
                \    Total                          \VACANCY = 1-7
                \    For
                \     rent                          \STATUS = 3 and VACANCY = 1-2
                \    [N]Rented                      \STATUS = 3 and VACANCY = 1-2 or VACANCY = 4
!8.1!           \    Rental
                \     vacan-
                \     cy rate                       \(CELL(-2) / (CELL(-1) + CELL(-4))) * 100
                \    For
                \     sale
                \     only                          \STATUS = 3 and VACANCY = 3
                \    Rent-
                \     ed or
                \     sold                          \STATUS = 3 and VACANCY = 4-5
                \    Occa-
                \     sional
                \     use/
                \     URE                           \(STATUS = 3 and VACANCY = 6) or \
                \                                    \(STATUS = 2 and VACANCY = 1-7)
                \    Other
                \     vacant                        \STATUS = 3 and VACANCY = 7
                \New
                \ con-
                \ struc-
```

```
            \ tion
            \ 4 years                                    \NEWC = 1
            \Manu-
            \ fac-
            \ tured/
            \ mobile
            \ homes                                       \NUNIT2 = 4


BOX02A      \Total
            \ occupied
            \ units                                       \STATUS = 1
            \Tenure
            \  Owner                                      \TENURE = 1
            \  Renter                                     \TENURE = 2-3
            \Housing unit characteristics
            \   New con-
            \    struction
            \    4 years                                  \NEWC = 1
            \   Manu-
            \    factured/
            \    mobile
            \    homes                                    \NUNIT2 = 4
            \   Physical problems
            \     Severe                                  \ZADEQ = 3
            \     Moderate                                \ZADEQ = 2
            \Household characteristics
            \   Black alone                               \HHRACE = 2
            \   Hispanic                                  \HHSPAN = 1
            \   Elderly
            \    (65 years
            \    and over)                                \HHAGE ge 65
            \   Moved in
            \    past year                                \MOVEDLY = "Y"
            \   Below
            \    poverty
            \    level                                    \POOR lt 1000.00
~TYP=PB COL=13,13;
            \Total
            \ occupied
            \ units                                       \STATUS = 1
            \In MSAs
```

```
            \   Central
            \    cities                            \MSASTA90 = 1
            \   Suburbs                            \MSASTA90 = 2
            \Outside
            \  MSAs                                \MSASTA90 = 3
            \Urban
            \   Total                              \URBRUR90 = 1
            \   Outside
            \    MSAs                              \MSASTA90 = 3 and URBRUR90 = 1
            \Rural
            \   Total                              \URBRUR90 = 2
            \   Suburbs                            \MSASTA90 = 2 and URBRUR90 = 2
            \   Outside
            \    MSAs                              \MSASTA90 = 3 and URBRUR90 = 2
            \Regions
            \   Northeast                          \REGION = 1
            \   Midwest                            \REGION = 2
            \   South                              \REGION = 3
            \   West                               \REGION = 4

BOX02B      \Total
            \ occupied
            \ units                                \STATUS = 1
            \Housing unit characteristics
            \   New con-
            \    struction
            \    4 years                           \NEWC = 1
            \   Manu-
            \    factured/
            \    mobile
            \    homes                             \NUNIT2 = 4
            \  Physical problems
            \     Severe                           \ZADEQ = 3
            \     Moderate                         \ZADEQ = 2
            \Household characteristics
            \  Black alone                         \HHRACE = 2
            \  Hispanic                            \HHSPAN = 1
            \  Elderly
            \   (65 years
            \   and over)                          \HHAGE ge 65
            \  Moved in
```

```
              \    past year                               \MOVEDLY = "Y"
              \  Below
              \    poverty
              \    level                                   \POOR lt 1000.00
~TYP=PB COL=11,11;
              \Total
              \ occupied
              \ units                                      \STATUS = 1
              \In MSAs
              \  Central
              \    cities                                  \MSASTA90 = 1
              \  Suburbs                                   \MSASTA90 = 2
              \Outside
              \ MSAs                                       \MSASTA90 = 3
              \Urban
              \  Total                                     \URBRUR90 = 1
              \  Outside
              \   MSAs                                     \MSASTA90 = 3 and URBRUR90 = 1
              \Rural
              \  Total                                     \URBRUR90 = 2
              \  Suburbs                                   \MSASTA90 = 2 and URBRUR90 = 2
              \  Outside
              \   MSAs                                     \MSASTA90 = 3 and URBRUR90 = 2
              \Regions
              \  Northeast                                 \REGION = 1
              \  Midwest                                   \REGION = 2
              \  South                                     \REGION = 3
              \  West                                      \REGION = 4

BOX02C        \Total
              \ occupied
              \ units                                      \STATUS = 1
              \Tenure
              \  Owner                                     \TENURE = 1
              \  Renter                                    \TENURE = 2-3
              \Housing unit characteristics
              \  New con-
              \   struction
              \   4 years                                  \NEWC = 1
              \  Manu-
              \   factured/
```

```
          \    mobile
          \    homes                                      \NUNIT2 = 4
          \  Physical problems
          \    Severe                                     \ZADEQ = 3
          \    Moderate                                   \ZADEQ = 2
          \Household characteristics
          \  Elderly
          \  (65 years
          \  and over)                                    \HHAGE ge 65
          \  Moved in
          \  past year                                    \MOVEDLY = "Y"
          \  Below
          \  poverty
          \  level                                        \POOR lt 1000.00
~TYP=PB COL=11,11;
          \Total
          \ occupied
          \ units                                         \STATUS = 1
          \In MSAs
          \  Central
          \   cities                                      \MSASTA90 = 1
          \  Suburbs                                      \MSASTA90 = 2
          \Outside
          \ MSAs                                          \MSASTA90 = 3
          \Urban
          \  Total                                        \URBRUR90 = 1
          \  Outside
          \   MSAs                                        \MSASTA90 = 3 and URBRUR90 = 1
          \Rural
          \  Total                                        \URBRUR90 = 2
          \  Suburbs                                      \MSASTA90 = 2 and URBRUR90 = 2
          \  Outside
          \   MSAs                                        \MSASTA90 = 3 and URBRUR90 = 2
          \Regions
          \  Northeast                                    \REGION = 1
          \  Midwest                                      \REGION = 2
          \  South                                        \REGION = 3
          \  West                                         \REGION = 4


BOX02D      \Total
          \ occupied
```

```
        \ units                                \STATUS = 1
        \Tenure
        \  Owner                               \TENURE = 1
        \  Renter                              \TENURE = 2-3
        \Housing unit characteristics
        \  New con-
        \   struction
        \   4 years                            \NEWC = 1
        \  Manu-
        \   factured/
        \   mobile
        \   homes                              \NUNIT2 = 4
        \  Physical problems
        \    Severe                            \ZADEQ = 3
        \    Moderate                          \ZADEQ = 2
        \Household characteristics
        \  Black alone                         \HHRACE = 2
        \  Hispanic                            \HHSPAN = 1
        \  Moved in
        \   past year                          \MOVEDLY = "Y"
        \  Below
        \   poverty
        \   level                              \POOR lt 1000.00
~TYP=PB COL=12,12;
        \Total
        \ occupied
        \ units                                \STATUS = 1
        \In MSAs
        \  Central
        \   cities                             \MSASTA90 = 1
        \  Suburbs                             \MSASTA90 = 2
        \Outside
        \ MSAs                                 \MSASTA90 = 3
        \Urban
        \  Total                               \URBRUR90 = 1
        \  Outside
        \   MSAs                               \MSASTA90 = 3 and URBRUR90 = 1
        \Rural
        \  Total                               \URBRUR90 = 2
        \  Suburbs                             \MSASTA90 = 2 and URBRUR90 = 2
        \  Outside
```

```
          \   MSAs                                         \MSASTA90 = 3 and URBRUR90 = 2
          \Regions
          \  Northeast                                     \REGION = 1
          \  Midwest                                       \REGION = 2
          \  South                                         \REGION = 3
          \  West                                          \REGION = 4


BOX03     \Occupied units
          \  Total                                         \STATUS = 1
          \  Rooms
          \    1 and 2
          \     rooms                                      \ROOMS = 1-2
          \    3 and 4
          \     rooms                                      \ROOMS = 3-4
          \    5 and 6
          \     rooms                                      \ROOMS = 5-6
          \    7 rooms
          \     or more                                    \ROOMS ge 7
          \  Bedrooms
          \    No rooms                                    \BEDRMS = 0
          \    1 room                                      \BEDRMS = 1
          \    2 rooms                                     \BEDRMS = 2
          \    3 rooms                                     \BEDRMS = 3
          \    4 rooms
          \     or more                                    \BEDRMS ge 4


BOX04     \Size of occupied, detached single-family homes and single-family manufactured/mobile homes
          \  Total                                         \NUNIT2 = 1 or NUNIT2 = 4
          \  Less than 500
          \   square feet                                  \UNITSF = 99-499
          \  500 to 999
          \   square feet                                  \UNITSF = 500-999
          \  1,000 to 1,499
          \   square feet                                  \UNITSF = 1000-1499
          \  1,500 to 1,999
          \   square feet                                  \UNITSF = 1500-1999
          \  2,000 to 2,499
          \   square feet                                  \UNITSF = 2000-2499
          \  2,500 square
          \   feet or more                                 \UNITSF = 2500-99998
          \  Not reported                                  \UNITSF = .D or UNITSF = .R or UNITSF = .
```

```
            \  Median                                            \
~TYP=50 COL=9,9
~   OVER=-1
~   CELLS=C2,C3,C4,C5,C6,C7
~   RANGES=99,500,1000,1500,2000,2500,99998;
*OVERRIDES=500,2500;


BOX05           \Owner-Occupied
                \  With mortgage
                \    Total                                       \TENURE = 1 and (MG = 1 or HELUMP = 1 or \
                \                                                \HELC = 1 or RAM = 1)
                \      Specified@22                              \TENURE = 1 and (MG = 1 or HELUMP = 1 or \
                \                                                \HELC = 1 or RAM = 1) and NUNIT2 = 1-2 and \
                \                                                \LOT = 0-439999 and DRSHOP = 2 and CONDO = 3
                \      Not specified
                \        Condo
                \         or
                \        Co-op                                   \TENURE = 1 and (MG = 1 or HELUMP = 1 or \
                \                                                \HELC = 1 or RAM = 1) and CONDO = 1-2
                \        Other                                   \TENURE = 1 and (MG = 1 or HELUMP = 1 or \
                \                                                \HELC = 1 or RAM = 1) and CONDO = 3 and \
                \                                                \(NUNIT2 = 3-4 or (NUNIT2 = 1-2 and \
                \                                                \(LOT ge 440000 or DRSHOP = 1)))
                \  With no mortgage
                \    Total                                       \TENURE = 1 and MG = 2 and HELUMP = 2 and \
                \                                                \(HELC = 2 or HELC = "B" or HELC = "D" or \
                \                                                \HELC = "R" or HELC = " ") and (RAM = 2 or \
                \                                                \RAM = "B" or RAM = "D" or RAM = "R" or RAM = " ")
                \      Specified                                 \TENURE = 1 and MG = 2 and HELUMP = 2 and \
                \                                                \(HELC = 2 or HELC = "B" or HELC = "D" or \
                \                                                \HELC = "R" or HELC = " ") and (RAM = 2 or \
                \                                                \RAM = "B" or RAM = "D" or RAM = "R" or \
                \                                                \RAM = " ") and NUNIT2 = 1-2 and LOT = 0-439999 and \
                \                                                \DRSHOP = 2 and CONDO = 3
                \      Not specified
                \        Condo
                \         or
                \        Co-op                                   \TENURE = 1 and MG = 2 and HELUMP = 2 and \
                \                                                \CONDO = 1-2 and (HELC = 2 or HELC = "B" or \
                \                                                \HELC = "D" or HELC = "R" or HELC = " ") and \
                \                                                \(RAM = 2 or RAM = "B" or RAM = "D" or \
```

```
\                                                      \RAM = "R" or RAM = " ")
\        Other                                         \TENURE = 1 and MG = 2 and HELUMP = 2 and \
\                                                      \(HELC = 2 or HELC = "B" or HELC = "D" or \
\                                                      \HELC = "R" or HELC = " ") and (RAM = 2 or \
\                                                      \RAM = "B" or RAM = "D" or RAM = "R" or \
\                                                      \RAM = " ") and CONDO = 3 and (NUNIT2 = 3-4 or \
\                                                      \(NUNIT2 = 1-2 and (LOT ge 440000 or DRSHOP = 1)))
\Renter-Occupied
\  All renters
\     Specified@23                                     \(TENURE = 2 or TENURE = 3) and \
\                                                      \(NUNIT2 = 3-4 or (NUNIT2 = 1-2 and LOT = 0-439999))
\     Other                                            \(TENURE = 2 or TENURE = 3) and \
\                                                      \(NUNIT2 = 1-2 and LOT ge 440000)
\  Unsubsidized
\   renters@15
\     Specified                                        \(TENURE = 2 or TENURE = 3) and \
\                                                      \((NUNIT2 = 3-4 or (NUNIT2 = 1-2 and \
\                                                      \LOT = 0-439999)) and (PUBSUB = 1-5 or PUBSUB = 9))
\     Other                                            \(TENURE = 2 or TENURE = 3) and \
\                                                      \(NUNIT2 = 1-2 and LOT ge 440000 and \
\                                                      \(PUBSUB = 1-5 or PUBSUB = 9))
\[F]@22Limited to one-unit structures on less than 10 acres and no business on property.
\[F]@23Excludes one-unit structures on 10 acres or more.
\[F]@15Excludes units in public housing projects and housing units with government rent subsidies.


BOX06          \Total                                  \STATUS = 1
\Zero to
\ negative                                             \-9999999 le ZINC le 0
\$1 to
\ $4,999                                               \ZINC = 1-4999
\$5,000
\ to
\ $9,999                                               \ZINC = 5000-9999
\$10,000
\ to
\ $14,999                                              \ZINC = 10000-14999
\$15,000
\ to
\ $19,999                                              \ZINC = 15000-19999
\$20,000
\ to
```

```
          \ $29,999                                      \ZINC = 20000-29999
          \$30,000
          \ to
          \ $39,999                                      \ZINC = 30000-39999
          \$40,000
          \ to
          \ $59,999                                      \ZINC = 40000-59999
          \$60,000
          \ to
          \ $79,999                                      \ZINC = 60000-79999
          \$80,000
          \ to
          \ $99,999                                      \ZINC = 80000-99999
          \$100,000
          \ to
          \ $119,999                                     \ZINC = 100000-119999
          \$120,000
          \ or more                                      \ZINC ge 120000
          \Median                                        \
~TYP=50 COL=14,14
~  OVER=-1
~  CELLS=C2,C3,C4,C5,C6,C7
~  RANGES=-9999999,1,5000,10000,15000,20000,30000
~  CELLS=C8,C9,C10,C11,C12,C13
~  RANGES=40000,60000,80000,100000,120000,9999998;
*OVERRIDES=5000,120000;


BOX07     \Total                                         \STATUS = 1
          \Less
          \ than
          \ $100                                         \ZSMHCN = 0-99
          \$100
          \ to
          \ $199                                         \ZSMHCN = 100-199
          \$200
          \ to
          \ $299                                         \ZSMHCN = 200-299
          \$300
          \ to
          \ $399                                         \ZSMHCN = 300-399
          \$400
```

```
          \ to
          \ $499                                               \ZSMHCN = 400-499
          \$500
          \ to
          \ $599                                               \ZSMHCN = 500-599
          \$600
          \ to
          \ $699                                               \ZSMHCN = 600-699
          \$700
          \ to
          \ $799                                               \ZSMHCN = 700-799
          \$800
          \ to
          \ $999                                               \ZSMHCN = 800-999
          \$1,000
          \ to
          \ $1,499                                             \ZSMHCN = 1000-1499
          \$1,500
          \ or
          \ more                                               \ZSMHCN ge 1500
          \No
          \ cash
          \ rent                                               \TENURE = 3 or (TENURE = 2 and PRENT = 0)
          \Median
          \ exclud-
          \ ing no
          \ cash
          \ rent                                               \
~TYP=50 COL=14,14
~  OVER=-1
~  CELLS=C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12
~  RANGES=0,100,200,300,400,500,600,700,800,1000,1500,99998;
*OVERRIDES=100,1500;

BOX09         \Total
              \  Total                                         \STATUS = 1
              \  Less than
              \   2,000 CDD
              \   and
              \   more than
              \   7,000 HDD                                    \(STATUS = 1) and \
```

```
\                                                    \(COOLDAY lt 2000 and HEATDAY gt 7000)
\   Less than
\     2,000 CDD
\     and
\     5,500 to
\     7,000 HDD                                      \(STATUS = 1) and \
\                                                    \(COOLDAY lt 2000 and HEATDAY = 5500-7000)
\   Less than
\     2,000 CDD
\     and
\     4,000 to
\     5,499 HDD                                      \(STATUS = 1) and \
\                                                    \(COOLDAY lt 2000 and HEATDAY = 4000-5499)
\   Less than
\     2,000 CDD
\     and
\     less than
\     4,000 HDD                                      \(STATUS = 1) and \
\                                                    \(COOLDAY lt 2000 and HEATDAY lt 4000)
\   More than
\     2,000 CDD
\     and
\     less than
\     4,000 HDD                                      \(STATUS = 1) and \
\                                                    \(COOLDAY ge 2000 and HEATDAY lt 4000)
\Single family
\   Total                                            \STATUS = 1 and NUNIT2 = 1-2
\   Less than
\     2,000 CDD
\     and
\     more than
\     7,000 HDD                                      \(STATUS = 1 and NUNIT2 = 1-2) and \
\                                                    \(COOLDAY lt 2000 and HEATDAY gt 7000)
\   Less than
\     2,000 CDD
\     and
\     5,500 to
\     7,000 HDD                                      \(STATUS = 1 and NUNIT2 = 1-2) and \
\                                                    \(COOLDAY lt 2000 and HEATDAY = 5500-7000)
\   Less than
\     2,000 CDD
```

```
         \   and
         \   4,000 to
         \   5,499 HDD                                \(STATUS = 1 and NUNIT2 = 1-2) and \
         \                                            \(COOLDAY lt 2000 and HEATDAY = 4000-5499)
         \  Less than
         \   2,000 CDD
         \   and
         \   less than
         \   4,000 HDD                                \(STATUS = 1 and NUNIT2 = 1-2) and \
         \                                            \(COOLDAY lt 2000 and HEATDAY lt 4000)
         \  More than
         \   2,000 CDD
         \   and
         \   less than
         \   4,000 HDD                                \(STATUS = 1 and NUNIT2 = 1-2) and \
         \                                            \(COOLDAY ge 2000 and HEATDAY lt 4000)
~TYP=PB COL=13,13;
         \Manufactured/mobile homes
         \  Total                                     \STATUS = 1 and NUNIT2 = 4
         \  Less than
         \   2,000 CDD
         \   and
         \   more than
         \   7,000 HDD                                \(STATUS = 1 and NUNIT2 = 4) and \
         \                                            \(COOLDAY lt 2000 and HEATDAY gt 7000)
         \  Less than
         \   2,000 CDD
         \   and
         \   5,500 to
         \   7,000 HDD                                \(STATUS = 1 and NUNIT2 = 4) and \
         \                                            \(COOLDAY lt 2000 and HEATDAY = 5500-7000)
         \  Less than
         \   2,000 CDD
         \   and
         \   4,000 to
         \   5,499 HDD                                \(STATUS = 1 and NUNIT2 = 4) and \
         \                                            \(COOLDAY lt 2000 and HEATDAY = 4000-5499)
         \  Less than
         \   2,000 CDD
         \   and
         \   less than
```

```
\    4,000 HDD                                \(STATUS = 1 and NUNIT2 = 4) and \
\                                             \(COOLDAY lt 2000 and HEATDAY lt 4000)
\   More than
\    2,000 CDD
\    and
\    less than
\    4,000 HDD                                \(STATUS = 1 and NUNIT2 = 4) and \
\                                             \(COOLDAY ge 2000 and HEATDAY lt 4000)
\Other
\    Total                                    \STATUS = 1 and NUNIT2 = 3
\   Less than
\    2,000 CDD
\    and
\    more than
\    7,000 HDD                                \(STATUS = 1 and NUNIT2 = 3) and \
\                                             \(COOLDAY lt 2000 and HEATDAY gt 7000)
\   Less than
\    2,000 CDD
\    and
\    5,500 to
\    7,000 HDD                                \(STATUS = 1 and NUNIT2 = 3) and \
\                                             \(COOLDAY lt 2000 and HEATDAY = 5500-7000)
\   Less than
\    2,000 CDD
\    and
\    4,000 to
\    5,499 HDD                                \(STATUS = 1 and NUNIT2 = 3) and \
\                                             \(COOLDAY lt 2000 and HEATDAY = 4000-5499)
\   Less than
\    2,000 CDD
\    and
\    less than
\    4,000 HDD                                \(STATUS = 1 and NUNIT2 = 3) and \
\                                             \(COOLDAY lt 2000 and HEATDAY lt 4000)
\   More than
\    2,000 CDD
\    and
\    less than
\    4,000 HDD                                \(STATUS = 1 and NUNIT2 = 3) and \
\                                             \(COOLDAY ge 2000 and HEATDAY lt 4000)
```

```
BOX10      \Total                           \STATUS = 1
           \1, detached                     \NUNIT2 = 1
           \1, attached                     \NUNIT2 = 2
           \Multiunit
           \  Total                         \NUNIT2 = 3
           \  2 to 4                         \NUNIT2 = 3 and NUNITS = 2-4
           \  5 to 9                         \NUNIT2 = 3 and NUNITS = 5-9
           \  10 to 19                       \NUNIT2 = 3 and NUNITS = 10-19
           \  20 to 49                       \NUNIT2 = 3 and NUNITS = 20-49
           \  50 or more                     \NUNIT2 = 3 and NUNITS ge 50
           \Manu-
           \ factured/
           \ mobile homes                    \NUNIT2 = 4

BOX11      \Total                            \STATUS = 1 and TENURE = 1
           \Less than
           \ $30,000                         \VALUE = 1-29999
           \$30,000
           \ to
           \ $59,999                         \VALUE = 30000-59999
           \$60,000
           \ to
           \ $79,999                         \VALUE = 60000-79999
           \$80,000
           \ to
           \ $99,999                         \VALUE = 80000-99999
           \$100,000
           \ to
           \ $149,999                        \VALUE = 100000-149999
           \$150,000
           \ to
           \ $199,999                        \VALUE = 150000-199999
           \$200,000
           \ to
           \ $299,999                        \VALUE = 200000-299999
           \$300,000
           \ to
           \ $399,999                        \VALUE = 300000-399999
           \$400,000
           \ to
           \ $499,999                        \VALUE = 400000-499999
```

```
          \$500,000
          \ to
          \ $749,999                                         \VALUE = 500000-749999
          \$750,000
          \ or more                                          \VALUE ge 750000
          \Median                                            \
~TYP=50 COL=13,13
~  OVER=-11
~  CELLS=C2,C3,C4,C5,C6
~  RANGES=1,30000,60000,80000,100000,150000
~  CELLS=C7,C8,C9,C10,C11,C12
~  RANGES=200000,300000,400000,500000,750000,9999998;
*OVERRIDES=30000,750000;



*********************************************************************
*                                                                   *
*                      COMPOSITE STUB SECTION                        *
*                                                                   *
*********************************************************************


STUB1A1        \
               \++        [B]Total                           \STATUS = 1-3
               {UNIT01}
               {COOP01}
               {YBLT01}
               {SYRU01}
               {TIME01}
               {DVAC01}
               {LUPR01}
               {AREA15}
               {REGN01}
               {SIZE03}
               {HOME01}
               {SHOM01}
               {SHOM02}
               {SHOM03}
               {SHOM04}
               {MHSZ01}
               {FOUN02}
```

```
            {FOUN03}

STUB1A2     \
            \++          [B]Total                            \STATUS = 1-3
            {STOR01}
            {STOR02}
            {ELEV01}
            {FOUN01}
            {COND01}
            {SITE01}

STUB1A3     \
            \++          [B]Total                            \STATUS = 1-3
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SQFT03}
            {SIZE01}

STUB1A4     \
            \++          [B]Total                            \STATUS = 1-3
            {EQUP01}
            {SAFETY01}
            {HEAT01}
            {HEAT03}
            {PLUM01}
            {WATR01}
            {WATR04}
            {DISP01}

STUB1A5     \
            \++          [B]Total                            \STATUS = 1-3
            {FUEL12}
            {FUEL07}
            {FUEL08}
            {FUEL09}
            {FUEL10}
            {UNIT06}

STUB1A6     \
            \++          [B]Total                            \STATUS = 1-3
```

```
             {QUAL02}
             {OMOP01}
             {QUAL04}
             {NBHD02}
             {NBHD12}
             {NBHD03}
             {MOBL01}
             {NBHD04}
             {NBHD05}
             {NBHD06}
             {NBHD07}

STUB1A7A     \
             \++          [B]Total                              \STATUS = 1-3
             {COST11}
             {COST13}
             {RENT02}


STUB1A7B     \
             \[B]OWNER HOUSING UNITS
             \
             \++          [B]Total                              \(STATUS = 1 and TENURE = 1) or \
             \                                                  \(STATUS = 3 and (VACANCY = 3 or VACANCY = 5))
             {TAXS03}
             {TAXS02}
             {COOP02}
             {COST04}
             {VALU04}
             {OAOP01}


STUB1B1      \
             \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
             {UNIT01}
             {COOP01}
             {YBLT01}
             {SYRU01}
             {TIME01}
             {DVAC01}
             {LUPR01}
             {AREA15}
             {REGN01}
```

```
              {SIZE03}
              {HOME01}
              {SHOM01}
              {SHOM02}
              {SHOM03}
              {SHOM04}
              {MHSZ01}
              {FOUN02}
              {FOUN03}

STUB1B2       \
              \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
              {STOR01}
              {STOR02}
              {ELEV01}
              {FOUN01}
              {COND01}
              {SITE01}

STUB1B3       \
              \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
              {ROOM01}
              {BEDR01}
              {BATH01}
              {SQFT03}
              {SIZE01}

STUB1B4       \
              \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
              {EQUP01}
              {SAFETY01}
              {HEAT01}
              {HEAT03}
              {PLUM01}
              {WATR01}
              {WATR04}
              {DISP01}

STUB1B5       \
              \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
              {FUEL12}
```

```
              {FUEL07}
              {FUEL08}
              {FUEL09}
              {FUEL10}
              {UNIT06}

STUB1B6       \
              \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
              {QUAL02}
              {OMOP01}
              {QUAL04}
              {NBHD02}
              {NBHD12}
              {NBHD03}
              {MOBL01}
              {NBHD04}
              {NBHD05}
              {NBHD06}
              {NBHD07}

STUB1B7A      \
              \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 1
              {COST11}
              {COST13}
              {RENT02}

STUB1B7B      \
              \[B]OWNER HOUSING UNITS
              \
              \++        [B]Total                              \(STATUS = 1 and TENURE = 1) or \
              \                                                \(STATUS = 3 and (VACANCY = 3 or VACANCY = 5)) and \
              \                                                \MSASTA90 = 1
              {TAXS03}
              {TAXS02}
              {COOP02}
              {COST04}
              {VALU04}
              {OAOP01}

STUB1C1       \
              \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 2
```

```
            {UNIT01}
            {COOP01}
            {YBLT01}
            {SYRU01}
            {TIME01}
            {DVAC01}
            {LUPR01}
            {AREA15}
            {REGN01}
            {SIZE03}
            {HOME01}
            {SHOM01}
            {SHOM02}
            {SHOM03}
            {SHOM04}
            {MHSZ01}
            {FOUN02}
            {FOUN03}

STUB1C2     \
            \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 2
            {STOR01}
            {STOR02}
            {ELEV01}
            {FOUN01}
            {COND01}
            {SITE01}


STUB1C3     \
            \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 2
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SQFT03}
            {SIZE01}


STUB1C4     \
            \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 2
            {EQUP01}
            {SAFETY01}
            {HEAT01}
```

```
          {HEAT03}
          {PLUM01}
          {WATR01}
          {WATR04}
          {DISP01}

STUB1C5     \
            \++        [B]Total                                \STATUS = 1-3 and MSASTA90 = 2
          {FUEL12}
          {FUEL07}
          {FUEL08}
          {FUEL09}
          {FUEL10}
          {UNIT06}


STUB1C6     \
            \++        [B]Total                                \STATUS = 1-3 and MSASTA90 = 2
          {QUAL02}
          {OMOP01}
          {QUAL04}
          {NBHD02}
          {NBHD12}
          {NBHD03}
          {MOBL01}
          {NBHD04}
          {NBHD05}
          {NBHD06}
          {NBHD07}


STUB1C7A    \
            \++        [B]Total                                \STATUS = 1-3 and MSASTA90 = 2
          {COST11}
          {COST13}
          {RENT02}


STUB1C7B    \
            \[B]OWNER HOUSING UNITS
            \
            \++        [B]Total                                \(STATUS = 1 and TENURE = 1) or \
            \                                                  \(STATUS = 3 and (VACANCY = 3 or VACANCY = 5)) and \
            \                                                  \MSASTA90 = 2
```

```
              {TAXS03}
              {TAXS02}
              {COOP02}
              {COST04}
              {VALU04}
              {OAOP01}


STUB1D1       \
              \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
              {UNIT01}
              {COOP01}
              {YBLT01}
              {SYRU01}
              {TIME01}
              {DVAC01}
              {LUPR01}
              {AREA15}
              {REGN01}
              {SIZE03}
              {HOME01}
              {SHOM01}
              {SHOM02}
              {SHOM03}
              {SHOM04}
              {MHSZ01}
              {FOUN02}
              {FOUN03}


STUB1D2       \
              \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
              {STOR01}
              {STOR02}
              {ELEV01}
              {FOUN01}
              {COND01}
              {SITE01}


STUB1D3       \
              \++        [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
              {ROOM01}
              {BEDR01}
```

```
            {BATH01}
            {SQFT03}
            {SIZE01}

STUB1D4     \
            \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
            {EQUP01}
            {SAFETY01}
            {HEAT01}
            {HEAT03}
            {PLUM01}
            {WATR01}
            {WATR04}
            {DISP01}

STUB1D5     \
            \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
            {FUEL12}
            {FUEL07}
            {FUEL08}
            {FUEL09}
            {FUEL10}
            {UNIT06}

STUB1D6     \
            \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
            {QUAL02}
            {OMOP01}
            {QUAL04}
            {NBHD02}
            {NBHD12}
            {NBHD03}
            {MOBL01}
            {NBHD04}
            {NBHD05}
            {NBHD06}
            {NBHD07}

STUB1D7A    \
            \++          [B]Total                              \STATUS = 1-3 and MSASTA90 = 3
            {COST11}
```

```
             {COST13}
             {RENT02}


STUB1D7B     \
             \[B]OWNER HOUSING UNITS
             \
             \++        [B]Total                                \(STATUS = 1 and TENURE = 1) or \
             \                                                  \(STATUS = 3 and (VACANCY = 3 or VACANCY = 5)) and \
             \                                                  \MSASTA90 = 3
             {TAXS03}
             {TAXS02}
             {COOP02}
             {COST04}
             {VALU04}
             {OAOP01}


STUB21       \
             \++        [B]Total                                \STATUS = 1
             {TENU01}
             {RACE02}
             {UNIT01}
             {COOP01}
             {YBLT01}
             {AREA15}
             {REGN01}
             {SIZE03}


STUB22       \
             \++        [B]Total                                \STATUS = 1
             {STOR01}
             {STOR02}
             {ELEV01}
             {FOUN01}
             {COND01}
             {OCCU01}
             {SITE01}
             {MHSZ01}
             {FOUN02}
             {FOUN03}


STUB23       \
```

```
         \++           [B]Total                          \STATUS = 1
         {ROOM01}
         {ROOM02}
         {BEDR01}
         {BATH01}
         {SQFT01}
         {SIZE01}
         {PPRM01}
         {PPRM02}
         {SQFT02}

STUB24   \
         \++           [B]Total                          \STATUS = 1
         {EQUP01}
         {SAFETY01}
         {HEAT01}
         {HEAT06}
         {PLUM01}
         {WATR01}
         {WATR04}
         {WATR05}
         {DISP01}

STUB25   \
         \++           [B]Total                          \STATUS = 1
         {FUEL01}
         {FUEL03}
         {FUEL04}
         {FUEL05}
         {FUEL11}
         {FUEL06}
         {UNIT05}

STUB26   \
         \++           [B]Total                          \STATUS = 1
         {WATR02}
         {TOIL01}
         {DISP02}
         {HEAT05}
         {ELEC01}
```

```
STUB27          \
                \++          [B]Total                              \STATUS = 1
                {QUAL01}
                {CARS01}
                {OMOP01}
                {QUAL03}
                {AGED02}
                {STEP01}
                {PROB02}
                {OPIN01}
                {WATR03}

STUB28          \
                \++          [B]Total                              \STATUS = 1
                {OPIN02}
                {NQUA11}
                {NQUA12}
                {NQUA13}
                {NQUA04}
                {NQUA16}
                {NQUA17}
                {NQUA09}
                {NQUA15}
                {NQUA14}
                {NQUA08}
                {NBHD13}
                {NBHD14}
                {NBHD15}
                {NQUA10}
                {NBHD02}
                {NBHD12}
                {NBHD03}
                {NBHD04}
                {NBHD05}
                {NBHD06}
                {NBHD07}
                {NBHD11}
                {MOBL01}

STUB29          \
                \++          [B]Total                              \STATUS = 1
```

```
            {PERS01}
            {COMP04}
            {AGE01}
            {COMP01}
            {COMP02}
            {COMP03}
            {OWNC01}
            {COMP05}
            {EDUC01}
            {NATV01}
            {NATV02}
            {MOVE01}
            {MOVE02}

STUB210     \
            \[B]HOUSEHOLDER MOVED DURING PAST YEAR FROM
            \ WITHIN THE UNITED STATES
            \
            \++        [B]Total                                \STATUS = 1 and RMVUNVHH = "X"
            {STPR01}
            {TENU02}
            {PERS02}
            {PREV01}
            {COST07}

STUB211     \
            \[B]RESPONDENT MOVED DURING PAST YEAR
            \
            \++        [B]Total                                \STATUS = 1 and RESPDNT = "Y"
            {MOVE04}
            {MOVE05}
            {NBHD08}
            {NBHD10}
            {NBHD09}
            {HOME04}
            {HOME02}
            {HOME03}
            {RMOV02}
            {RMOV03}

STUB212     \
```

```
              \++            [B]Total                               \STATUS = 1
              {INCM01}
              {INCM02}
              {INCM05}
              {FOOD01}
              {RENT02}


STUB213A      \
              \++            [B]Total                               \STATUS = 1
              {COST10}
              {COST12}
              {COST03}
              {RENT01}
              {FCST01}
              {FCST02}
              {FCST03}
              {INS01}
              {COST06}


STUB213B      \
              \[B]OWNER-OCCUPIED UNITS
              \
              \++            [B]Total                               \STATUS = 1 and TENURE = 1
              {COST05}
              {PRIN01}
              {TAXS03}
              {TAXS02}
              {MTNC01}
              {COOP02}
              {COST04}
              {SUBR01}


STUB217A      \
              \++            [B]Total                               \STATUS = 1
              {PERS01}
              {ROOM01}
              {BEDR01}
              {BATH01}
              {SIZE01}
              {INCM02}
              {COST10}
```

```
              {COST12}


STUB217B      \
              \[B]OWNER-OCCUPIED UNITS
              \
              \++         [B]Total                        \STATUS = 1 and TENURE = 1
              {VALU03}


STUB218A      \
              \++         [B]Total                        \STATUS = 1 and (NUNIT2 = 1 or NUNIT2 = 4)
              {PERS01}
              {ROOM01}
              {BEDR01}
              {BATH01}
              {SIZE01}
              {INCM02}
              {COST10}
              {COST12}


STUB218B      \
              \[B]OWNER-OCCUPIED UNITS
              \
              \++         [B]Total                        \STATUS = 1 and TENURE = 1 and \
              \                                           \(NUNIT2 = 1 or NUNIT2 = 4)
              {VALU03}


STUB219A      \
              \++         [B]Total                        \STATUS = 1
              {INCM02}
              {COST10}
              {COST12}
              {COST03}


STUB219B      \
              \[B]OWNER-OCCUPIED UNITS
              \
              \++         [B]Total                        \STATUS = 1 and TENURE = 1
              {VALU03}
              {RATI01}
              {TAXS03}
```

```
STUB219C    \
            \[B]OWNERS WITH ONE OR MORE REGULAR OR
            \ LUMP-SUM HOME-EQUITY MORTGAGES
            \
            \++        [B]Total                          \STATUS = 1 and TENURE = 1 and \
            \                                            \(MG = 1 or HELUMP = 1)
            {PRIN01}
            {MORT02}
            {MORT04}
            {MORT15}
            {MORT16}
            {MORT14}


STUB220A    \
            \++        [B]Total                          \STATUS = 1
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {COST10}
            {COST12}
            {COST03}


STUB220B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++        [B]Total                          \STATUS = 1 and TENURE = 1
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
```

```
          {DWNPMT01}

STUB220C     \
             \[B]RENTER-OCCUPIED UNITS
             \
             \++        [B]Total                              \STATUS = 1 and TENURE = 2-3
             {RENT02}

STUB221A     \
             \++        [B]Total                              \STATUS = 1
             {UNIT01}
             {YBLT01}
             {ROOM01}
             {BEDR01}
             {BATH01}
             {HEAT01}
             {WATR01}
             {DISP01}
             {FUEL01}
             {FUEL03}
             {PERS01}
             {COMP02}
             {OWNC01}
             {INCM02}

STUB221B     \
             \[B]OWNER-OCCUPIED UNITS
             \
             \++        [B]Total                              \STATUS = 1 and TENURE = 1
             {VALU03}
             {RATI01}
             {PRIN01}
             {TAXS03}
             {PUPR01}
             {DWNPMT01}

STUB221C     \
             \[B]RENTER-OCCUPIED UNITS
             \
             \++        [B]Total                              \STATUS = 1 and TENURE = 2-3
             {RENT02}
```

```
STUB223     \
            \++          [B]Total                              \STATUS = 1
            {COST10}
            {COST12}
            {FCST04}
            {FCST03}
            {FCST05}
            {COOP02}


STUB224A    \
            \            [B]All workers                        \JTWTOT
~TYP=02 ROW=1,1 FORM=JTWTOT;
            {JTW01}
            {JTW02}
            {JTW03}
            {JTW04}
            {JTW09}


STUB224B    \--                                               \HHWLINEQ = 1
            \
            \            [B]Householders who worked last
            \             week                                \HHWLINEQ = 1
~TYP=02 ROW=1,1 FORM=HHWLINEQ;
            {JTW05}
            {JTW06}
            {JTW07}
            {JTW08}
            {JTW10}


STUB225     \
            \++          [B]Total                              \STATUS = 1
            {RACE02}
            {COOP01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SQFT01}
            {PPRM01}
            {SQFT02}
```

```
                {EQUP01}
                {SAFETY01}
                {HEAT01}
                {PLUM01}
                {WATR01}
                {UNIT05}
                {QUAL01}
                {QUAL03}
                {PROB02}
                {PERS01}
                {AGE01}
                {COMP01}
                {COMP02}
                {COMP03}
                {INCM01}
                {INCM02}
                {COST10}
                {COST03}
                {FCST01}

STUB31          \
                \++         [B]Total                                \STATUS = 1 and TENURE = 1
                {TENU01}
                {RACE02}
                {UNIT01}
                {COOP01}
                {YBLT01}
                {AREA15}
                {REGN01}
                {SIZE03}

STUB32          \
                \++         [B]Total                                \STATUS = 1 and TENURE = 1
                {STOR01}
                {STOR02}
                {ELEV01}
                {FOUN01}
                {COND01}
                {OCCU01}
                {SITE01}
                {MHSZ01}
```

```
             {FOUN02}
             {FOUN03}

STUB33       \
             \++          [B]Total                              \STATUS = 1 and TENURE = 1
             {ROOM01}
             {ROOM02}
             {BEDR01}
             {BATH01}
             {SQFT01}
             {SIZE01}
             {PPRM01}
             {PPRM02}
             {SQFT02}

STUB34       \
             \++          [B]Total                              \STATUS = 1 and TENURE = 1
             {EQUP01}
             {SAFETY01}
             {HEAT01}
             {HEAT06}
             {PLUM01}
             {WATR01}
             {WATR04}
             {WATR05}
             {DISP01}

STUB35       \
             \++          [B]Total                              \STATUS = 1 and TENURE = 1
             {FUEL01}
             {FUEL03}
             {FUEL04}
             {FUEL05}
             {FUEL11}
             {FUEL06}
             {UNIT05}

STUB36       \
             \++          [B]Total                              \STATUS = 1 and TENURE = 1
             {WATR02}
             {TOIL01}
```

```
            {DISP02}
            {HEAT05}
            {ELEC01}

STUB37      \
            \++          [B]Total                              \STATUS = 1 and TENURE = 1
            {QUAL01}
            {CARS01}
            {OMOP01}
            {QUAL03}
            {AGED02}
            {STEP01}
            {PROB02}
            {OPIN01}
            {WATR03}


STUB38      \
            \++          [B]Total                              \STATUS = 1 and TENURE = 1
            {OPIN02}
            {NQUA11}
            {NQUA12}
            {NQUA13}
            {NQUA04}
            {NQUA16}
            {NQUA17}
            {NQUA09}
            {NQUA15}
            {NQUA14}
            {NQUA08}
            {NBHD13}
            {NBHD14}
            {NBHD15}
            {NQUA10}
            {NBHD02}
            {NBHD12}
            {NBHD03}
            {NBHD04}
            {NBHD05}
            {NBHD06}
            {NBHD07}
```

```
              {NBHD11}
              {MOBL01}


STUB39        \
              \++         [B]Total                               \STATUS = 1 and TENURE = 1
              {PERS01}
              {COMP04}
              {AGE01}
              {COMP01}
              {COMP02}
              {COMP03}
              {OWNC01}
              {COMP05}
              {EDUC01}
              {NATV01}
              {NATV02}
              {MOVE01}
              {MOVE02}


STUB310       \
              \[B]HOUSEHOLDER MOVED DURING PAST YEAR FROM
              \ WITHIN THE UNITED STATES
              \
              \++         [B]Total                               \STATUS = 1 and TENURE = 1 and RMVUNVHH = "X"
              {STPR01}
              {TENU02}
              {PERS02}
              {PREV01}
              {COST07}


STUB311       \
              \[B]RESPONDENT MOVED DURING PAST YEAR
              \
              \++         [B]Total                               \STATUS = 1 and TENURE = 1 and RESPDNT = "Y"
              {MOVE04}
              {MOVE05}
              {NBHD08}
              {NBHD10}
              {NBHD09}
              {HOME04}
              {HOME02}
```

```
            {HOME03}
            {RMOV02}
            {RMOV03}

STUB312     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
            {INCM01}
            {INCM02}
            {INCM05}
            {FOOD01}

STUB313     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
            {COST10}
            {COST12}
            {COST03}
            {RENT01}
            {FCST01}
            {FCST02}
            {FCST03}
            {INS01}
            {COST06}
            {COST05}
            {PRIN01}
            {TAXS03}
            {TAXS02}
            {MTNC01}
            {COOP02}
            {COST04}
            {SUBR01}

STUB314     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
            {VALU03}
            {RATI01}
            {OAOP01}
            {YEAR01}
            {OWNR01}
            {PUPR01}
            {DWNPMT01}
            {DOPA01}
```

```
          {HACQ01}


STUB315A      \
              \++          [B]Total                                \STATUS = 1 and TENURE = 1
              {MORT20}
              {MORT18}
              {MORT21}


STUB315B      \
              \[B]OWNERS WITH ONE OR MORE REGULAR OR
              \ LUMP-SUM HOME-EQUITY MORTGAGES
              \
              \++          [B]Total                                \STATUS = 1 and TENURE = 1 and MCNT = 1-4
              {MORT22}
              {MORT02}
              {MORT03}
              {MORT04}
              {MORT15}
              {MORT16}
              {MORT14}
              {MORT12}
              {MORT08}
              {MORT09}
              {MORT10}
              {MORT07}
              {MORT05}
              {MORT06}
              {MORT23}
              {MORT24}
              {MORT25}
              {MORT26}


STUB315C      \
              \[B]OWNERS WITH ONE OR MORE HOME-EQUITY
              \ LINE-OF-CREDIT MORTGAGES
              \
              \++          [B]Total                                \STATUS = 1 and TENURE = 1 and HELC = 1
              {MORT27}
              {MORT28}
              {MORT29}
              {MORT30}
```

```
            {MORT31}

STUB317     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
            {PERS01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SIZE01}
            {INCM02}
            {COST10}
            {COST12}
            {VALU03}

STUB318     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1 and \
            \                                               \(NUNIT2 = 1 or NUNIT2 = 4)
            {PERS01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SIZE01}
            {INCM02}
            {COST10}
            {COST12}
            {VALU03}

STUB319A    \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
            {INCM02}
            {COST10}
            {COST12}
            {COST03}
            {VALU03}
            {RATI01}
            {TAXS03}

STUB319B    \
            \[B]OWNERS WITH ONE OR MORE REGULAR OR
            \ LUMP-SUM HOME-EQUITY MORTGAGES
            \
```

```
            \++         [B]Total                              \STATUS = 1 and TENURE = 1 and (MG = 1 or HELUMP = 1)
            {PRIN01}
            {MORT02}
            {MORT04}
            {MORT15}
            {MORT16}
            {MORT14}


STUB320     \
            \++         [B]Total                              \STATUS = 1 and TENURE = 1
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {COST10}
            {COST12}
            {COST03}
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}


STUB321     \
            \++         [B]Total                              \STATUS = 1 and TENURE = 1
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
```

```
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {INCM02}
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}

STUB322     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {INCM02}
            {COST10}
            {COST12}
            {COST03}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}

STUB323     \
            \++         [B]Total                            \STATUS = 1 and TENURE = 1
```

```
            {COST10}
            {COST12}
            {FCST04}
            {FCST03}
            {FCST05}
            {COOP02}


STUB324A      \--                                              \TENURE = 1
              \
              \           [B]All workers                       \JTWTOT
~TYP=02 ROW=1,1 FORM=JTWTOT;
            {JTW01}
            {JTW02}
            {JTW03}
            {JTW04}
            {JTW09}


STUB324B      \--                                              \HHWLINEQ = 1 and TENURE = 1
              \
              \           [B]Householders who worked last
              \            week                                \HHWLINEQ = 1
~TYP=02 ROW=1,1 FORM=HHWLINEQ;
            {JTW05}
            {JTW06}
            {JTW07}
            {JTW08}
            {JTW10}


STUB325       \
              \++          [B]Total                            \STATUS = 1 and TENURE = 1
            {RACE02}
            {COOP01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SQFT01}
            {PPRM01}
            {SQFT02}
            {EQUP01}
            {SAFETY01}
```

```
          {HEAT01}
          {PLUM01}
          {WATR01}
          {UNIT05}
          {QUAL01}
          {QUAL03}
          {PROB02}
          {PERS01}
          {AGE01}
          {COMP01}
          {COMP02}
          {COMP03}
          {INCM01}
          {INCM02}
          {COST10}
          {COST03}
          {FCST01}

STUB41      \
          \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
          {TENU01}
          {RACE02}
          {UNIT01}
          {COOP01}
          {YBLT01}
          {AREA15}
          {REGN01}
          {SIZE03}

STUB42      \
          \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
          {STOR01}
          {STOR02}
          {ELEV01}
          {FOUN01}
          {COND01}
          {OCCU01}
          {SITE01}
          {MHSZ01}
          {FOUN02}
          {FOUN03}
```

```
STUB43      \
            \++         [B]Total                                \STATUS = 1 and TENURE = 2-3
            {ROOM01}
            {ROOM02}
            {BEDR01}
            {BATH01}
            {SQFT01}
            {SIZE01}
            {PPRM01}
            {PPRM02}
            {SQFT02}

STUB44      \
            \++         [B]Total                                \STATUS = 1 and TENURE = 2-3
            {EQUP01}
            {SAFETY01}
            {HEAT01}
            {HEAT06}
            {PLUM01}
            {WATR01}
            {WATR04}
            {WATR05}
            {DISP01}

STUB45      \
            \++         [B]Total                                \STATUS = 1 and TENURE = 2-3
            {FUEL01}
            {FUEL03}
            {FUEL04}
            {FUEL05}
            {FUEL11}
            {FUEL06}
            {UNIT05}

STUB46      \
            \++         [B]Total                                \STATUS = 1 and TENURE = 2-3
            {WATR02}
            {TOIL01}
            {DISP02}
            {HEAT05}
            {ELEC01}
```

```
STUB47          \
                \++         [B]Total                               \STATUS = 1 and TENURE = 2-3
                {QUAL01}
                {CARS01}
                {OMOP01}
                {QUAL03}
                {AGED02}
                {STEP01}
                {PROB02}
                {OPIN01}
                {WATR03}
                {OPIN05}
                {OPIN06}

STUB48          \
                \++         [B]Total                               \STATUS = 1 and TENURE = 2-3
                {OPIN02}
                {NQUA11}
                {NQUA12}
                {NQUA13}
                {NQUA04}
                {NQUA16}
                {NQUA17}
                {NQUA09}
                {NQUA15}
                {NQUA14}
                {NQUA08}
                {NBHD13}
                {NBHD14}
                {NBHD15}
                {NQUA10}
                {NBHD02}
                {NBHD12}
                {NBHD03}
                {NBHD04}
                {NBHD05}
                {NBHD06}
                {NBHD07}
                {NBHD11}
                {MOBL01}
```

```
STUB49          \
                \++         [B]Total                                    \STATUS = 1 and TENURE = 2-3
                {PERS01}
                {COMP04}
                {AGE01}
                {COMP01}
                {COMP02}
                {COMP03}
                {OWNC01}
                {COMP05}
                {EDUC01}
                {NATV01}
                {NATV02}
                {MOVE01}
                {MOVE02}


STUB410         \
                \[B]HOUSEHOLDER MOVED DURING PAST YEAR FROM
                \ WITHIN THE UNITED STATES
                \
                \++         [B]Total                                    \STATUS = 1 and TENURE = 2-3 and RMVUNVHH = "X"
                {STPR01}
                {TENU02}
                {PERS02}
                {PREV01}
                {COST07}


STUB411         \
                \[B]RESPONDENT MOVED DURING PAST YEAR
                \
                \++         [B]Total                                    \STATUS = 1 and TENURE = 2-3 and RESPDNT = "Y"
                {MOVE04}
                {MOVE05}
                {NBHD08}
                {NBHD10}
                {NBHD09}
                {HOME04}
                {HOME02}
                {HOME03}
                {RMOV02}
                {RMOV03}
```

```
STUB412      \
             \++        [B]Total                              \STATUS = 1 and TENURE = 2-3
             {INCM01}
             {INCM02}
             {INCM05}
             {FOOD01}
             {RENT02}


STUB413      \
             \++        [B]Total                              \STATUS = 1 and TENURE = 2-3
             {COST10}
             {COST03}
             {RENT01}
             {FCST01}
             {FCST02}
             {FCST03}
             {INS01}
             {COST06}


STUB417      \
             \++        [B]Total                              \STATUS = 1 and TENURE = 2-3
             {PERS01}
             {ROOM01}
             {BEDR01}
             {BATH01}
             {SIZE01}
             {INCM02}
             {COST10}


STUB418      \
             \++        [B]Total                              \STATUS = 1 and TENURE = 2-3 and \
             \                                                \(NUNIT2 = 1 or NUNIT2 = 4)
             {PERS01}
             {ROOM01}
             {BEDR01}
             {BATH01}
             {SIZE01}
             {INCM02}
             {COST10}

STUB419      \
```

```
          \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
          {INCM02}
          {COST10}
          {COST03}

STUB420   \
          \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
          {UNIT01}
          {YBLT01}
          {ROOM01}
          {BEDR01}
          {BATH01}
          {HEAT01}
          {WATR01}
          {DISP01}
          {FUEL01}
          {FUEL03}
          {PERS01}
          {COMP02}
          {OWNC01}
          {COST10}
          {COST03}
          {RENT02}

STUB421   \
          \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
          {UNIT01}
          {YBLT01}
          {ROOM01}
          {BEDR01}
          {BATH01}
          {HEAT01}
          {WATR01}
          {DISP01}
          {FUEL01}
          {FUEL03}
          {PERS01}
          {COMP02}
          {OWNC01}
          {INCM02}
          {RENT02}
```

```
STUB423       \
              \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
              {COST10}
              {FCST04}
              {FCST03}
              {FCST05}


STUB424A      \--                                               \TENURE = 2-3
              \
              \           [B]All workers                        \JTWTOT
~TYP=02 ROW=1,1 FORM=JTWTOT;
              {JTW01}
              {JTW02}
              {JTW03}
              {JTW04}
              {JTW09}


STUB424B      \--                                               \HHWLINEQ = 1 and TENURE = 2-3
              \
              \           [B]Householders who worked last
              \            week                                 \HHWLINEQ = 1
~TYP=02 ROW=1,1 FORM=HHWLINEQ;
              {JTW05}
              {JTW06}
              {JTW07}
              {JTW08}
              {JTW10}


STUB425       \
              \++         [B]Total                              \STATUS = 1 and TENURE = 2-3
              {RACE02}
              {COOP01}
              {YBLT01}
              {ROOM01}
              {BEDR01}
              {BATH01}
              {SQFT01}
              {PPRM01}
              {SQFT02}
              {EQUP01}
              {SAFETY01}
```

```
            {HEAT01}
            {PLUM01}
            {WATR01}
            {UNIT05}
            {QUAL01}
            {QUAL03}
            {PROB02}
            {PERS01}
            {AGE01}
            {COMP01}
            {COMP02}
            {COMP03}
            {INCM01}
            {INCM02}
            {COST10}
            {COST03}
            {FCST01}

STUB51      \
            \++        [B]Total                            \STATUS = 1 and HHRACE = 2
            {TENU01}
            {RACE02}
            {UNIT01}
            {COOP01}
            {YBLT01}
            {AREA15}
            {REGN01}
            {SIZE03}

STUB52      \
            \++        [B]Total                            \STATUS = 1 and HHRACE = 2
            {STOR01}
            {STOR02}
            {ELEV01}
            {FOUN01}
            {COND01}
            {OCCU01}
            {SITE01}
            {MHSZ01}
            {FOUN02}
            {FOUN03}
```

```
STUB53        \
              \++        [B]Total                            \STATUS = 1 and HHRACE = 2
              {ROOM01}
              {ROOM02}
              {BEDR01}
              {BATH01}
              {SQFT01}
              {SIZE01}
              {PPRM01}
              {PPRM02}
              {SQFT02}

STUB54        \
              \++        [B]Total                            \STATUS = 1 and HHRACE = 2
              {EQUP01}
              {SAFETY01}
              {HEAT01}
              {HEAT06}
              {PLUM01}
              {WATR01}
              {WATR04}
              {WATR05}
              {DISP01}

STUB55        \
              \++        [B]Total                            \STATUS = 1 and HHRACE = 2
              {FUEL01}
              {FUEL03}
              {FUEL04}
              {FUEL05}
              {FUEL11}
              {FUEL06}
              {UNIT05}

STUB56        \
              \++        [B]Total                            \STATUS = 1 and HHRACE = 2
              {WATR02}
              {TOIL01}
              {DISP02}
              {HEAT05}
              {ELEC01}
```

```
STUB57          \
                \++          [B]Total                                        \STATUS = 1 and HHRACE = 2
                {QUAL01}
                {CARS01}
                {OMOP01}
                {QUAL03}
                {AGED02}
                {STEP01}
                {PROB02}
                {OPIN01}
                {WATR03}

STUB58          \
                \++          [B]Total                                        \STATUS = 1 and HHRACE = 2
                {OPIN02}
                {NQUA11}
                {NQUA12}
                {NQUA13}
                {NQUA04}
                {NQUA16}
                {NQUA17}
                {NQUA09}
                {NQUA15}
                {NQUA14}
                {NQUA08}
                {NBHD13}
                {NBHD14}
                {NBHD15}
                {NQUA10}
                {NBHD02}
                {NBHD12}
                {NBHD03}
                {NBHD04}
                {NBHD05}
                {NBHD06}
                {NBHD07}
                {NBHD11}
                {MOBL01}

STUB59          \
                \++          [B]Total                                        \STATUS = 1 and HHRACE = 2
```

```
            {PERS01}
            {COMP04}
            {AGE01}
            {COMP01}
            {COMP02}
            {COMP03}
            {OWNC01}
            {COMP05}
            {EDUC01}
            {NATV01}
            {NATV02}
            {MOVE01}
            {MOVE02}

STUB510     \
            \[B]HOUSEHOLDER MOVED DURING PAST YEAR FROM
            \ WITHIN THE UNITED STATES
            \
            \++        [B]Total                              \STATUS = 1 and HHRACE = 2 and RMVUNVHH = "X"
            {STPR01}
            {TENU02}
            {PERS02}
            {PREV01}
            {COST07}

STUB511     \
            \[B]RESPONDENT MOVED DURING PAST YEAR
            \
            \++        [B]Total                              \STATUS = 1 and HHRACE = 2 and RESPDNT = "Y"
            {MOVE04}
            {MOVE05}
            {NBHD08}
            {NBHD10}
            {NBHD09}
            {HOME04}
            {HOME02}
            {HOME03}
            {RMOV02}
            {RMOV03}

STUB512     \
```

```
            \++          [B]Total                              \STATUS = 1 and HHRACE = 2
            {INCM01}
            {INCM02}
            {INCM05}
            {FOOD01}
            {RENT02}


STUB513A    \
            \++          [B]Total                              \STATUS = 1 and HHRACE = 2
            {COST10}
            {COST12}
            {COST03}
            {RENT01}
            {FCST01}
            {FCST02}
            {FCST03}
            {INS01}
            {COST06}


STUB513B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++          [B]Total                              \STATUS = 1 and TENURE = 1 and HHRACE = 2
            {COST05}
            {PRIN01}
            {TAXS03}
            {TAXS02}
            {MTNC01}
            {COOP02}
            {COST04}
            {SUBR01}


STUB514     \
            \++          [B]Total                              \STATUS = 1 and TENURE = 1 and HHRACE = 2
            {VALU03}
            {RATI01}
            {OAOP01}
            {YEAR01}
            {OWNR01}
            {PUPR01}
            {DWNPMT01}
```

```
          {DOPA01}
          {HACQ01}


STUB515A    \
            \++          [B]Total                              \STATUS = 1 and TENURE = 1 and HHRACE = 2
          {MORT20}
          {MORT18}
          {MORT21}


STUB515B    \
            \[B]OWNERS WITH ONE OR MORE REGULAR OR
            \ LUMP-SUM HOME-EQUITY MORTGAGES
            \
            \++          [B]Total                              \STATUS = 1 and HHRACE = 2 and \
            \                                                  \TENURE = 1 and MCNT = 1-4
          {MORT22}
          {MORT02}
          {MORT03}
          {MORT04}
          {MORT15}
          {MORT16}
          {MORT14}
          {MORT12}
          {MORT08}
          {MORT09}
          {MORT10}
          {MORT07}
          {MORT05}
          {MORT06}
          {MORT23}
          {MORT24}
          {MORT25}
          {MORT26}


STUB515C    \
            \[B]OWNERS WITH ONE OR MORE HOME-EQUITY
            \ LINE-OF-CREDIT MORTGAGES
            \
            \++          [B]Total                              \STATUS = 1 and HHRACE = 2 and \
            \                                                  \TENURE = 1 and HELC = 1
          {MORT27}
```

```
            {MORT28}
            {MORT29}
            {MORT30}
            {MORT31}

STUB517A    \
            \++         [B]Total                                \STATUS = 1 and HHRACE = 2
            {PERS01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SIZE01}
            {INCM02}
            {COST10}
            {COST12}


STUB517B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                                \STATUS = 1 and TENURE = 1 and HHRACE = 2
            {VALU03}


STUB518A    \
            \++         [B]Total                                \STATUS = 1 and HHRACE = 2 and \
            \                                                   \(NUNIT2 = 1 or NUNIT2 = 4)
            {PERS01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SIZE01}
            {INCM02}
            {COST10}
            {COST12}


STUB518B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                                \STATUS = 1 and TENURE = 1 and \
            \                                                   \HHRACE = 2 and (NUNIT2 = 1 or NUNIT2 = 4)
            {VALU03}
```

```
STUB519A      \
              \++          [B]Total                              \STATUS = 1 and HHRACE = 2
              {INCM02}
              {COST10}
              {COST12}
              {COST03}


STUB519B      \
              \[B]OWNER-OCCUPIED UNITS
              \
              \++          [B]Total                              \STATUS = 1 and TENURE = 1 and HHRACE = 2
              {VALU03}
              {RATI01}
              {TAXS03}


STUB519C      \
              \[B]OWNERS WITH ONE OR MORE REGULAR OR
              \ LUMP-SUM HOME-EQUITY MORTGAGES
              \
              \++          [B]Total                              \STATUS = 1 and HHRACE = 2 and \
              \                                                  \TENURE = 1 and (MG = 1 or HELUMP = 1)
              {PRIN01}
              {MORT02}
              {MORT04}
              {MORT15}
              {MORT16}
              {MORT14}


STUB520A      \
              \++          [B]Total                              \STATUS = 1 and HHRACE = 2
              {UNIT01}
              {YBLT01}
              {ROOM01}
              {BEDR01}
              {BATH01}
              {HEAT01}
              {WATR01}
              {DISP01}
              {FUEL01}
              {FUEL03}
              {PERS01}
```

```
            {COMP02}
            {OWNC01}
            {COST10}
            {COST12}
            {COST03}

STUB520B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                                  \STATUS = 1 and TENURE = 1 and HHRACE = 2
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}

STUB520C    \
            \[B]RENTER-OCCUPIED UNITS
            \
            \++         [B]Total                                  \STATUS = 1 and TENURE = 2-3 and HHRACE = 2
            {RENT02}

STUB521A    \
            \++         [B]Total                                  \STATUS = 1 and HHRACE = 2
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {INCM02}

STUB521B    \
```

```
            \[B]OWNER-OCCUPIED UNITS
            \
            \++        [B]Total                                  \STATUS = 1 and TENURE = 1 and HHRACE = 2
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}

STUB521C    \
            \[B]RENTER-OCCUPIED UNITS
            \
            \++        [B]Total                                  \STATUS = 1 and TENURE = 2-3 and HHRACE = 2
            {RENT02}

STUB522     \
            \++        [B]Total                                  \STATUS = 1 and TENURE = 1 and HHRACE = 2
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {INCM02}
            {COST10}
            {COST12}
            {COST03}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}

STUB523     \
```

```
            \++        [B]Total                              \STATUS = 1 and HHRACE = 2
            {COST10}
            {COST12}
            {FCST04}
            {FCST03}
            {FCST05}
            {COOP02}


STUB524A    \--                                              \HHRACE = 2
            \
            \         [B]All workers                         \JTWTOT
~TYP=02 ROW=1,1 FORM=JTWTOT;
            {JTW01}
            {JTW02}
            {JTW03}
            {JTW04}
            {JTW09}


STUB524B    \--                                              \HHWLINEQ = 1 and HHRACE = 2
            \
            \         [B]Householders who worked last
            \          week                                  \HHWLINEQ = 1
~TYP=02 ROW=1,1 FORM=HHWLINEQ;
            {JTW05}
            {JTW06}
            {JTW07}
            {JTW08}
            {JTW10}


STUB525     \
            \++        [B]Total                              \STATUS = 1 and HHRACE = 2
            {RACE02}
            {COOP01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SQFT01}
            {PPRM01}
            {SQFT02}
            {EQUP01}
```

```
            {SAFETY01}
            {HEAT01}
            {PLUM01}
            {WATR01}
            {UNIT05}
            {QUAL01}
            {QUAL03}
            {PROB02}
            {PERS01}
            {AGE01}
            {COMP01}
            {COMP02}
            {COMP03}
            {INCM01}
            {INCM02}
            {COST10}
            {COST03}
            {FCST01}

STUB61      \
            \++         [B]Total                            \STATUS = 1 and HHSPAN = 1
            {TENU01}
            {RACE02}
            {UNIT01}
            {COOP01}
            {YBLT01}
            {AREA15}
            {REGN01}
            {SIZE03}

STUB62      \
            \++         [B]Total                            \STATUS = 1 and HHSPAN = 1
            {STOR01}
            {STOR02}
            {ELEV01}
            {FOUN01}
            {COND01}
            {OCCU01}
            {SITE01}
            {MHSZ01}
            {FOUN02}
```

```
              {FOUN03}

STUB63        \
              \++         [B]Total                               \STATUS = 1 and HHSPAN = 1
              {ROOM01}
              {ROOM02}
              {BEDR01}
              {BATH01}
              {SQFT01}
              {SIZE01}
              {PPRM01}
              {PPRM02}
              {SQFT02}

STUB64        \
              \++         [B]Total                               \STATUS = 1 and HHSPAN = 1
              {EQUP01}
              {SAFETY01}
              {HEAT01}
              {HEAT06}
              {PLUM01}
              {WATR01}
              {WATR04}
              {WATR05}
              {DISP01}

STUB65        \
              \++         [B]Total                               \STATUS = 1 and HHSPAN = 1
              {FUEL01}
              {FUEL03}
              {FUEL04}
              {FUEL05}
              {FUEL11}
              {FUEL06}
              {UNIT05}

STUB66        \
              \++         [B]Total                               \STATUS = 1 and HHSPAN = 1
              {WATR02}
              {TOIL01}
              {DISP02}
```

```
            {HEAT05}
            {ELEC01}

STUB67      \
            \++         [B]Total                              \STATUS = 1 and HHSPAN = 1
            {QUAL01}
            {CARS01}
            {OMOP01}
            {QUAL03}
            {AGED02}
            {STEP01}
            {PROB02}
            {OPIN01}
            {WATR03}

STUB68      \
            \++         [B]Total                              \STATUS = 1 and HHSPAN = 1
            {OPIN02}
            {NQUA11}
            {NQUA12}
            {NQUA13}
            {NQUA04}
            {NQUA16}
            {NQUA17}
            {NQUA09}
            {NQUA15}
            {NQUA14}
            {NQUA08}
            {NBHD13}
            {NBHD14}
            {NBHD15}
            {NQUA10}
            {NBHD02}
            {NBHD12}
            {NBHD03}
            {NBHD04}
            {NBHD05}
            {NBHD06}
            {NBHD07}
            {NBHD11}
            {MOBL01}
```

```
STUB69          \
                \++         [B]Total                              \STATUS = 1 and HHSPAN = 1
                {PERS01}
                {COMP04}
                {AGE01}
                {COMP01}
                {COMP02}
                {COMP03}
                {OWNC01}
                {COMP05}
                {EDUC01}
                {NATV01}
                {NATV02}
                {MOVE01}
                {MOVE02}


STUB610         \
                \[B]HOUSEHOLDER MOVED DURING PAST YEAR FROM
                \ WITHIN THE UNITED STATES
                \
                \++         [B]Total                              \STATUS = 1 and HHSPAN = 1 and RMVUNVHH = "X"
                {STPR01}
                {TENU02}
                {PERS02}
                {PREV01}
                {COST07}


STUB611         \
                \[B]RESPONDENT MOVED DURING PAST YEAR
                \
                \++         [B]Total                              \STATUS = 1 and HHSPAN = 1 and RESPDNT = "Y"
                {MOVE04}
                {MOVE05}
                {NBHD08}
                {NBHD10}
                {NBHD09}
                {HOME04}
                {HOME02}
                {HOME03}
                {RMOV02}
                {RMOV03}
```

```
STUB612        \
               \++         [B]Total                              \STATUS = 1 and HHSPAN = 1
               {INCM01}
               {INCM02}
               {INCM05}
               {FOOD01}
               {RENT02}


STUB613A       \
               \++         [B]Total                              \STATUS = 1 and HHSPAN = 1
               {COST10}
               {COST12}
               {COST03}
               {RENT01}
               {FCST01}
               {FCST02}
               {FCST03}
               {INS01}
               {COST06}


STUB613B       \
               \[B]OWNER-OCCUPIED UNITS
               \
               \++         [B]Total                              \STATUS = 1 and TENURE = 1 and HHSPAN = 1
               {COST05}
               {PRIN01}
               {TAXS03}
               {TAXS02}
               {MTNC01}
               {COOP02}
               {COST04}
               {SUBR01}


STUB614        \
               \++         [B]Total                              \STATUS = 1 and TENURE = 1 and HHSPAN = 1
               {VALU03}
               {RATI01}
               {OAOP01}
               {YEAR01}
               {OWNR01}
               {PUPR01}
```

```
          {DWNPMT01}
          {DOPA01}
          {HACQ01}


STUB615A     \
             \++         [B]Total                           \STATUS = 1 and TENURE = 1 and HHSPAN = 1
          {MORT20}
          {MORT18}
          {MORT21}


STUB615B     \
             \[B]OWNERS WITH ONE OR MORE REGULAR OR
             \ LUMP-SUM HOME-EQUITY MORTGAGES
             \
             \++         [B]Total                           \STATUS = 1 and HHSPAN = 1 and \
             \                                              \TENURE = 1 and MCNT = 1-4
          {MORT22}
          {MORT02}
          {MORT03}
          {MORT04}
          {MORT15}
          {MORT16}
          {MORT14}
          {MORT12}
          {MORT08}
          {MORT09}
          {MORT10}
          {MORT07}
          {MORT05}
          {MORT06}
          {MORT23}
          {MORT24}
          {MORT25}
          {MORT26}


STUB615C     \
             \[B]OWNERS WITH ONE OR MORE HOME-EQUITY
             \ LINE-OF-CREDIT MORTGAGES
             \
             \++         [B]Total                           \STATUS = 1 and HHSPAN = 1 and \
             \                                              \TENURE = 1 and HELC = 1
```

```
            {MORT27}
            {MORT28}
            {MORT29}
            {MORT30}
            {MORT31}

STUB617A     \
             \++        [B]Total                          \STATUS = 1 and HHSPAN = 1
            {PERS01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SIZE01}
            {INCM02}
            {COST10}
            {COST12}


STUB617B     \
             \[B]OWNER-OCCUPIED UNITS
             \
             \++        [B]Total                          \STATUS = 1 and TENURE = 1 and HHSPAN = 1
            {VALU03}

STUB618A     \
             \++        [B]Total                          \STATUS = 1 and HHSPAN = 1 and \
             \                                            \(NUNIT2 = 1 or NUNIT2 = 4)
            {PERS01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SIZE01}
            {INCM02}
            {COST10}
            {COST12}


STUB618B     \
             \[B]OWNER-OCCUPIED UNITS
             \
             \++        [B]Total                          \STATUS = 1 and TENURE = 1 and \
             \                                            \HHSPAN = 1 and (NUNIT2 = 1 or NUNIT2 = 4)
            {VALU03}
```

```
STUB619A     \
             \++          [B]Total                              \STATUS = 1 and HHSPAN = 1
             {INCM02}
             {COST10}
             {COST12}
             {COST03}


STUB619B     \
             \[B]OWNER-OCCUPIED UNITS
             \
             \++          [B]Total                              \STATUS = 1 and TENURE = 1 and HHSPAN = 1
             {VALU03}
             {RATI01}
             {TAXS03}


STUB619C     \
             \[B]OWNERS WITH ONE OR MORE REGULAR OR
             \ LUMP-SUM HOME-EQUITY MORTGAGES
             \
             \++          [B]Total                              \STATUS = 1 and HHSPAN = 1 and \
             \                                                  \TENURE = 1 and (MG = 1 or HELUMP = 1)
             {PRIN01}
             {MORT02}
             {MORT04}
             {MORT15}
             {MORT16}
             {MORT14}


STUB620A     \
             \++          [B]Total                              \STATUS = 1 and HHSPAN = 1
             {UNIT01}
             {YBLT01}
             {ROOM01}
             {BEDR01}
             {BATH01}
             {HEAT01}
             {WATR01}
             {DISP01}
             {FUEL01}
             {FUEL03}
             {PERS01}
```

```
            {COMP02}
            {OWNC01}
            {COST10}
            {COST12}
            {COST03}


STUB620B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                                      \STATUS = 1 and TENURE = 1 and HHSPAN = 1
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}


STUB620C    \
            \[B]RENTER-OCCUPIED UNITS
            \
            \++         [B]Total                                      \STATUS = 1 and TENURE = 2-3 and HHSPAN = 1
            {RENT02}


STUB621A    \
            \++         [B]Total                                      \STATUS = 1 and HHSPAN = 1
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {INCM02}


STUB621B    \
```

```
          \[B]OWNER-OCCUPIED UNITS
          \
          \++        [B]Total                              \STATUS = 1 and TENURE = 1 and HHSPAN = 1
          {VALU03}
          {RATI01}
          {PRIN01}
          {TAXS03}
          {PUPR01}
          {DWNPMT01}

STUB621C  \
          \[B]RENTER-OCCUPIED UNITS
          \
          \++        [B]Total                              \STATUS = 1 and TENURE = 2-3 and HHSPAN = 1
          {RENT02}

STUB622   \
          \++        [B]Total                              \STATUS = 1 and TENURE = 1 and HHSPAN = 1
          {UNIT01}
          {YBLT01}
          {ROOM01}
          {BEDR01}
          {BATH01}
          {HEAT01}
          {WATR01}
          {DISP01}
          {FUEL01}
          {FUEL03}
          {PERS01}
          {COMP02}
          {OWNC01}
          {INCM02}
          {COST10}
          {COST12}
          {COST03}
          {PRIN01}
          {TAXS03}
          {PUPR01}
          {DWNPMT01}

STUB623   \
```

```
            \++          [B]Total                              \STATUS = 1 and HHSPAN = 1
            {COST10}
            {COST12}
            {FCST04}
            {FCST03}
            {FCST05}
            {COOP02}


STUB624A    \--                                                \HHSPAN = 1
            \
            \           [B]All workers                         \JTWTOT
~TYP=02 ROW=1,1 FORM=JTWTOT;
            {JTW01}
            {JTW02}
            {JTW03}
            {JTW04}
            {JTW09}


STUB624B    \--                                                \HHWLINEQ = 1 and HHSPAN = 1
            \
            \           [B]Householders who worked last
            \            week                                  \HHWLINEQ = 1
~TYP=02 ROW=1,1 FORM=HHWLINEQ;
            {JTW05}
            {JTW06}
            {JTW07}
            {JTW08}
            {JTW10}


STUB625     \
            \++          [B]Total                              \STATUS = 1 and HHSPAN =1
            {RACE02}
            {COOP01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {SQFT01}
            {PPRM01}
            {SQFT02}
            {EQUP01}
```

```
            {SAFETY01}
            {HEAT01}
            {PLUM01}
            {WATR01}
            {UNIT05}
            {QUAL01}
            {QUAL03}
            {PROB02}
            {PERS01}
            {AGE01}
            {COMP01}
            {COMP02}
            {COMP03}
            {INCM01}
            {INCM02}
            {COST10}
            {COST03}
            {FCST01}

STUB71          \
                \++        [B]Total                            \STATUS = 1 and HHAGE ge 65
            {TENU01}
            {RACE02}
            {UNIT01}
            {COOP01}
            {YBLT01}
            {AREA15}
            {REGN01}
            {SIZE03}

STUB72          \
                \++        [B]Total                            \STATUS = 1 and HHAGE ge 65
            {STOR01}
            {STOR02}
            {ELEV01}
            {FOUN01}
            {COND01}
            {OCCU01}
            {SITE01}
            {MHSZ01}
            {FOUN02}
```

```
            {FOUN03}

STUB73      \
            \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
            {ROOM01}
            {ROOM02}
            {BEDR01}
            {BATH01}
            {SQFT01}
            {SIZE01}
            {PPRM01}
            {PPRM02}
            {SQFT02}

STUB74      \
            \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
            {EQUP01}
            {SAFETY01}
            {HEAT01}
            {HEAT06}
            {PLUM01}
            {WATR01}
            {WATR04}
            {WATR05}
            {DISP01}

STUB75      \
            \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
            {FUEL01}
            {FUEL03}
            {FUEL04}
            {FUEL05}
            {FUEL11}
            {FUEL06}
            {UNIT05}

STUB76      \
            \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
            {WATR02}
            {TOIL01}
            {DISP02}
```

```
            {HEAT05}
            {ELEC01}


STUB77      \
            \++         [B]Total                                \STATUS = 1 and HHAGE ge 65
            {QUAL01}
            {CARS01}
            {OMOP01}
            {QUAL03}
            {AGED02}
            {STEP01}
            {PROB02}
            {OPIN01}
            {WATR03}

STUB78      \
            \++         [B]Total                                \STATUS = 1 and HHAGE ge 65
            {OPIN02}
            {NQUA11}
            {NQUA12}
            {NQUA13}
            {NQUA04}
            {NQUA16}
            {NQUA17}
            {NQUA09}
            {NQUA15}
            {NQUA14}
            {NQUA08}
            {NBHD13}
            {NBHD14}
            {NBHD15}
            {NQUA10}
            {NBHD02}
            {NBHD12}
            {NBHD03}
            {NBHD04}
            {NBHD05}
            {NBHD06}
            {NBHD07}
            {NBHD11}
            {MOBL01}
```

```
STUB79          \
                \++        [B]Total                            \STATUS = 1 and HHAGE ge 65
                {PERS01}
                {COMP04}
                {AGE01}
                {COMP01}
                {COMP02}
                {COMP03}
                {OWNC01}
                {COMP05}
                {EDUC01}
                {NATV01}
                {NATV02}
                {MOVE01}
                {MOVE02}


STUB710         \
                \[B]HOUSEHOLDER MOVED DURING PAST YEAR FROM
                \ WITHIN THE UNITED STATES
                \
                \++        [B]Total                            \STATUS = 1 and HHAGE ge 65 and RMVUNVHH = "X"
                {STPR01}
                {TENU02}
                {PERS02}
                {PREV01}
                {COST07}


STUB711         \
                \[B]RESPONDENT MOVED DURING PAST YEAR
                \
                \++        [B]Total                            \STATUS = 1 and HHAGE ge 65 and RESPDNT = "Y"
                {MOVE04}
                {MOVE05}
                {NBHD08}
                {NBHD10}
                {NBHD09}
                {HOME04}
                {HOME02}
                {HOME03}
                {RMOV02}
                {RMOV03}
```

```
STUB712      \
             \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
             {INCM01}
             {INCM02}
             {INCM05}
             {FOOD01}
             {RENT02}


STUB713A     \
             \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
             {COST10}
             {COST12}
             {COST03}
             {RENT01}
             {FCST01}
             {FCST02}
             {FCST03}
             {INS01}
             {COST06}


STUB713B     \
             \[B]OWNER-OCCUPIED UNITS
             \
             \++         [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
             {COST05}
             {PRIN01}
             {TAXS03}
             {TAXS02}
             {MTNC01}
             {COOP02}
             {COST04}
             {SUBR01}


STUB714      \
             \++         [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
             {VALU03}
             {RATI01}
             {OAOP01}
             {YEAR01}
             {OWNR01}
             {PUPR01}
```

```
          {DWNPMT01}
          {DOPA01}
          {HACQ01}


STUB715A    \
            \++       [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
          {MORT20}
          {MORT18}
          {MORT21}


STUB715B    \
            \[B]OWNERS WITH ONE OR MORE REGULAR OR
            \ LUMP-SUM HOME-EQUITY MORTGAGES
            \
            \++       [B]Total                              \STATUS = 1 and HHAGE ge 65 and \
            \                                               \TENURE = 1 and MCNT = 1-4
          {MORT22}
          {MORT02}
          {MORT03}
          {MORT04}
          {MORT15}
          {MORT16}
          {MORT14}
          {MORT12}
          {MORT08}
          {MORT09}
          {MORT10}
          {MORT07}
          {MORT05}
          {MORT06}
          {MORT23}
          {MORT24}
          {MORT25}
          {MORT26}


STUB715C    \
            \[B]OWNERS WITH ONE OR MORE HOME-EQUITY LINE-OF-CREDIT MORTGAGES
            \
            \++       [B]Total                              \STATUS = 1 and HHAGE ge 65 and \
            \                                               \TENURE = 1 and HELC = 1
          {MORT27}
```

```
          {MORT28}
          {MORT29}
          {MORT30}
          {MORT31}

STUB717A    \
            \++         [B]Total                              \STATUS = 1 and HHAGE ge 65
          {PERS01}
          {ROOM01}
          {BEDR01}
          {BATH01}
          {SIZE01}
          {INCM02}
          {COST10}
          {COST12}


STUB717B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
          {VALU03}

STUB718A    \
            \++         [B]Total                              \STATUS = 1 and HHAGE ge 65 and \
            \                                                 \(NUNIT2 = 1 or NUNIT2 = 4)
          {PERS01}
          {ROOM01}
          {BEDR01}
          {BATH01}
          {SIZE01}
          {INCM02}
          {COST10}
          {COST12}


STUB718B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                              \STATUS = 1 and TENURE = 1 and \
            \                                                 \HHAGE ge 65 and (NUNIT2 = 1 or NUNIT2 = 4)
          {VALU03}
```

```
STUB719A      \
              \++          [B]Total                              \STATUS = 1 and HHAGE ge 65
              {INCM02}
              {COST10}
              {COST12}
              {COST03}


STUB719B      \
              \[B]OWNER-OCCUPIED UNITS
              \
              \++          [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
              {VALU03}
              {RATI01}
              {TAXS03}


STUB719C      \
              \[B]OWNERS WITH ONE OR MORE REGULAR OR
              \ LUMP-SUM HOME-EQUITY MORTGAGES
              \
              \++          [B]Total                              \STATUS = 1 and HHAGE ge 65 and \
              \                                                  \TENURE = 1 and (MG = 1 or HELUMP = 1)
              {PRIN01}
              {MORT02}
              {MORT04}
              {MORT15}
              {MORT16}
              {MORT14}


STUB720A      \
              \++          [B]Total                              \STATUS = 1 and HHAGE ge 65
              {UNIT01}
              {YBLT01}
              {ROOM01}
              {BEDR01}
              {BATH01}
              {HEAT01}
              {WATR01}
              {DISP01}
              {FUEL01}
              {FUEL03}
              {PERS01}
```

```
            {COMP02}
            {OWNC01}
            {COST10}
            {COST12}
            {COST03}

STUB720B    \
            \[B]OWNER-OCCUPIED UNITS
            \
            \++         [B]Total                         \STATUS = 1 and TENURE = 1 and HHAGE ge 65
            {VALU03}
            {RATI01}
            {PRIN01}
            {TAXS03}
            {PUPR01}
            {DWNPMT01}

STUB720C    \
            \[B]RENTER-OCCUPIED UNITS
            \
            \++         [B]Total                         \STATUS = 1 and TENURE = 2-3 and HHAGE ge 65
            {RENT02}

STUB721A    \
            \++         [B]Total                         \STATUS = 1 and HHAGE ge 65
            {UNIT01}
            {YBLT01}
            {ROOM01}
            {BEDR01}
            {BATH01}
            {HEAT01}
            {WATR01}
            {DISP01}
            {FUEL01}
            {FUEL03}
            {PERS01}
            {COMP02}
            {OWNC01}
            {INCM02}

STUB721B    \
```

```
          \[B]OWNER-OCCUPIED UNITS
          \
          \++        [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
          {VALU03}
          {RATI01}
          {PRIN01}
          {TAXS03}
          {PUPR01}
          {DWNPMT01}

STUB721C   \
          \[B]RENTER-OCCUPIED UNITS
          \
          \++        [B]Total                              \STATUS = 1 and TENURE = 2-3 and HHAGE ge 65
          {RENT02}

STUB722    \
          \++        [B]Total                              \STATUS = 1 and TENURE = 1 and HHAGE ge 65
          {UNIT01}
          {YBLT01}
          {ROOM01}
          {BEDR01}
          {BATH01}
          {HEAT01}
          {WATR01}
          {DISP01}
          {FUEL01}
          {FUEL03}
          {PERS01}
          {COMP02}
          {OWNC01}
          {INCM02}
          {COST10}
          {COST12}
          {COST03}
          {PRIN01}
          {TAXS03}
          {PUPR01}
          {DWNPMT01}

STUB723    \
```

```
        \++          [B]Total                           \STATUS = 1 and HHAGE ge 65
        {COST10}
        {COST12}
        {FCST04}
        {FCST03}
        {FCST05}
        {COOP02}


STUB724A    \--                                          \HHAGE ge 65
        \
        \          [B]All workers                        \JTWTOT
~TYP=02 ROW=1,1 FORM=JTWTOT;
        {JTW01}
        {JTW02}
        {JTW03}
        {JTW04}
        {JTW09}


STUB724B    \--                                          \HHWLINEQ = 1 and HHAGE ge 65
        \
        \          [B]Householders who worked last
        \           week                                 \HHWLINEQ = 1
~TYP=02 ROW=1,1 FORM=HHWLINEQ;
        {JTW05}
        {JTW06}
        {JTW07}
        {JTW08}
        {JTW10}


STUB725     \
        \++          [B]Total                           \STATUS = 1 and HHAGE ge 65
        {RACE02}
        {COOP01}
        {YBLT01}
        {ROOM01}
        {BEDR01}
        {BATH01}
        {SQFT01}
        {PPRM01}
        {SQFT02}
        {EQUP01}
```

```
           {SAFETY01}
           {HEAT01}
           {PLUM01}
           {WATR01}
           {UNIT05}
           {QUAL01}
           {QUAL03}
           {PROB02}
           {PERS01}
           {AGE01}
           {COMP01}
           {COMP02}
           {COMP03}
           {INCM01}
           {INCM02}
           {COST10}
           {COST03}
           {FCST01}


***********************************************************************
*                                                                     *
*                          TABLE SECTION                              *
*                                                                     *
***********************************************************************


TAB1A1      \[B]Table 1A-1.  Introductory Characteristics--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1A1}

TAB1A2      \[B]Table 1A-2.  Height and Condition of Building--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1A2}

TAB1A3      \[B]Table 1A-3.  Size of Unit and Lot--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
```

```
            \
            {BOX01}
            {STUB1A3}


TAB1A4      \[B]Table 1A-4.  Selected Equipment and Plumbing--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1A4}


TAB1A5      \[B]Table 1A-5.  Fuels--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1A5}


TAB1A6      \[B]Table 1A-6.  Housing and Neighborhood Quality--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1A6}


TAB1A7      \[B]Table 1A-7.  Financial Characteristics--All Housing Units
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1A7A}
            {STUB1A7B}


TAB1B1      \[B]Table 1B-1.  Introductory Characteristics--All Housing Units--In Central Cities
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1B1}


TAB1B2      \[B]Table 1B-2.  Height and Condition of Building--All Housing Units--In Central Cities
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1B2}
```

```
TAB1B3        \[B]Table 1B-3.  Size of Unit and Lot--All Housing Units--In Central Cities
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1B3}


TAB1B4        \[B]Table 1B-4.  Selected Equipment and Plumbing--All Housing Units--In Central Cities
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1B4}


TAB1B5        \[B]Table 1B-5.  Fuels--All Housing Units--In Central Cities
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1B5}


TAB1B6        \[B]Table 1B-6.  Housing and Neighborhood Quality--All Housing Units--In Central Cities
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1B6}


TAB1B7        \[B]Table 1B-7.  Financial Characteristics--All Housing Units--In Central Cities
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1B7A}
              {STUB1B7B}


TAB1C1        \[B]Table 1C-1.  Introductory Characteristics--All Housing Units--Suburbs
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1C1}


TAB1C2        \[B]Table 1C-2.  Height and Condition of Building--All Housing Units--Suburbs
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
```

```
            {STUB1C2}


TAB1C3      \[B]Table 1C-3.  Size of Unit and Lot--All Housing Units--Suburbs
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1C3}


TAB1C4      \[B]Table 1C-4.  Selected Equipment and Plumbing--All Housing Units--Suburbs
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1C4}


TAB1C5      \[B]Table 1C-5.  Fuels--All Housing Units--Suburbs
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1C5}


TAB1C6      \[B]Table 1C-6.  Housing and Neighborhood Quality--All Housing Units--Suburbs
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1C6}


TAB1C7      \[B]Table 1C-7.  Financial Characteristics--All Housing Units--Suburbs
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1C7A}
            {STUB1C7B}


TAB1D1      \[B]Table 1D-1.  Introductory Characteristics--All Housing Units--Outside Metropolitan
            \ Statistical Areas
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX01}
            {STUB1D1}


TAB1D2      \[B]Table 1D-2.  Height and Condition of Building--All Housing Units--Outside Metropolitan
```

```
              \ Statistical Areas
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1D2}

TAB1D3        \[B]Table 1D-3.  Size of Unit and Lot--All Housing Units--Outside Metropolitan Statistical Areas
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1D3}

TAB1D4        \[B]Table 1D-4.  Selected Equipment and Plumbing--All Housing Units--Outside Metropolitan
              \ Statistical Areas
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1D4}

TAB1D5        \[B]Table 1D-5.  Fuels--All Housing Units--Outside Metropolitan Statistical Areas
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1D5}

TAB1D6        \[B]Table 1D-6.  Housing and Neighborhood Quality--All Housing Units--Outside Metropolitan
              \ Statistical Areas
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1D6}

TAB1D7        \[B]Table 1D-7.  Financial Characteristics--All Housing Units--Outside Metropolitan
              \ Statistical Areas
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX01}
              {STUB1D7A}
              {STUB1D7B}

TAB21         \[B]Table 2-1.  Introductory Characteristics--Occupied Units
```

```
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {SAMP01}
             {STUB21}


TAB22        \[B]Table 2-2.  Height and Condition of Building--Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {STUB22}


TAB23        \[B]Table 2-3.  Size of Unit and Lot--Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {STUB23}


TAB24        \[B]Table 2-4.  Selected Equipment and Plumbing--Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {STUB24}


TAB25        \[B]Table 2-5.  Fuels--Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {STUB25}


TAB26        \[B]Table 2-6.  Failures in Equipment--Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {STUB26}


TAB27        \[B]Table 2-7.  Additional Indicators of Housing Quality--Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02A}
             {STUB27}
```

```
TAB28          \[B]Table 2-8.  Neighborhood--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02A}
               {STUB28}


TAB29          \[B]Table 2-9.  Household Composition--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02A}
               {POP29}
               {STUB29}


TAB210         \[B]Table 2-10.  Previous Unit of Recent Movers--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02A}
               {STUB210}


TAB211         \[B]Table 2-11.  Reasons for Move and Choice of Current Residence--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02A}
               {STUB211}


TAB212         \[B]Table 2-12.  Income Characteristics--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02A}
               {STUB212}


TAB213         \[B]Table 2-13.  Selected Housing Costs--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02A}
               {STUB213A}
               {STUB213B}


TAB217         \[B]Table 2-17.  Rooms in Unit by Household and Unit Size, Income, and Costs--Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
```

```
           {BOX03}
           {STUB217A}
           {STUB217B}


TAB218     \[B]Table 2-18.  Square Footage by Household and Unit Size, Income, and Costs--Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX04}
           {STUB218A}
           {STUB218B}


TAB219     \[B]Table 2-19.  Detailed Tenure by Financial Characteristics--Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX05}
           {STUB219A}
           {STUB219B}
           {STUB219C}


TAB220     \[B]Table 2-20.  Income of Families and Primary Individuals by Selected Characteristics--Occupied
           \ Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX06}
           {STUB220A}
           {STUB220B}
           {STUB220C}


TAB221     \[B]Table 2-21.  Housing Costs by Selected Characteristics--Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX07}
           {STUB221A}
           {STUB221B}
           {STUB221C}


TAB223     \[B]Table 2-23.  Type of Structure and Heating Degree Days by Cost of Utilities--Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX09}
           {STUB223}
```

```
TAB224        \[B]Table 2-24.  Journey to Work--Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02A}
              {STUB224A}
              {STUB224B}


TAB225        \[B]Table 2-25.  Units in Structure by Selected Characteristics--Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX10}
              {STUB225}


TAB31         \[B]Table 3-1.  Introductory Characteristics--Owner-Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02B}
              {STUB31}


TAB32         \[B]Table 3-2.  Height and Condition of Building--Owner-Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02B}
              {STUB32}


TAB33         \[B]Table 3-3.  Size of Unit and Lot--Owner-Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02B}
              {STUB33}


TAB34         \[B]Table 3-4.  Selected Equipment and Plumbing--Owner-Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02B}
              {STUB34}


TAB35         \[B]Table 3-5.  Fuels--Owner-Occupied Units
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02B}
```

```
            {STUB35}


TAB36        \[B]Table 3-6.  Failures in Equipment--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB36}


TAB37        \[B]Table 3-7.  Additional Indicators of Housing Quality--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB37}


TAB38        \[B]Table 3-8.  Neighborhood--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB38}


TAB39        \[B]Table 3-9.  Household Composition--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {POP39}
             {STUB39}


TAB310       \[B]Table 3-10.  Previous Unit of Recent Movers--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB310}


TAB311       \[B]Table 3-11.  Reasons for Move and Choice of Current Residence--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB311}


TAB312       \[B]Table 3-12.  Income Characteristics--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
```

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                \
                {BOX02B}
                {STUB312}


TAB313          \[B]Table 3-13.  Selected Housing Costs--Owner-Occupied Units
                \ Numbers in thousands.  Weighting consistent with Census 2000.
                \
                {BOX02B}
                {STUB313}


TAB314          \[B]Table 3-14.  Value, Purchase Price, and Source of Down Payment--Owner-Occupied Units
                \ Numbers in thousands.  Weighting consistent with Census 2000.
                \
                {BOX02B}
                {STUB314}


TAB315          \[B]Table 3-15.  Mortgage Characteristics--Owner-Occupied Units
                \ Numbers in thousands.  Weighting consistent with Census 2000.
                \
                {BOX02B}
                {STUB315A}
                {STUB315B}
                {STUB315C}


TAB317          \[B]Table 3-17.  Rooms in Unit by Household and Unit Size, Income, and Costs--Owner-Occupied Units
                \ Numbers in thousands.  Weighting consistent with Census 2000.
                \
                {BOX03}
                {STUB317}


TAB318          \[B]Table 3-18.  Square Footage by Household and Unit Size, Income, and Costs--Owner-Occupied Units
                \ Numbers in thousands.  Weighting consistent with Census 2000.
                \
                {BOX04}
                {STUB318}


TAB319          \[B]Table 3-19.  Detailed Tenure by Financial Characteristics--Owner-Occupied Units
                \ Numbers in thousands.  Weighting consistent with Census 2000.
                \
                {BOX05}
                {STUB319A}
```

```
             {STUB319B}


TAB320       \[B]Table 3-20.  Income of Families and Primary Individuals by Selected Characteristics--Owner-
             \ Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX06}
             {STUB320}


TAB321       \[B]Table 3-21.  Housing Costs by Selected Characteristics--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX07}
             {STUB321}


TAB322       \[B]Table 3-22.  Value by Selected Characteristics--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX11}
             {STUB322}


TAB323       \[B]Table 3-23.  Type of Structure and Heating Degree Days by Cost of Utilities--Owner-Occupied
             \ Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX09}
             {STUB323}


TAB324       \[B]Table 3-24.  Journey to Work--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB324A}
             {STUB324B}


TAB325       \[B]Table 3-25.  Units in Structure by Selected Characteristics--Owner-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
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             {BOX10}
             {STUB325}
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TAB41        \[B]Table 4-1.  Introductory Characteristics--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB41}


TAB42        \[B]Table 4-2.  Height and Condition of Building--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB42}


TAB43        \[B]Table 4-3.  Size of Unit and Lot--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB43}


TAB44        \[B]Table 4-4.  Selected Equipment and Plumbing--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB44}


TAB45        \[B]Table 4-5.  Fuels--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB45}


TAB46        \[B]Table 4-6.  Failures in Equipment--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX02B}
             {STUB46}


TAB47        \[B]Table 4-7.  Additional Indicators of Housing Quality--Renter-Occupied Units
             \ Numbers in thousands.  Weighting consistent with Census 2000.
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             {BOX02B}
             {STUB47}
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TAB48          \[B]Table 4-8.  Neighborhood--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
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               {BOX02B}
               {STUB48}


TAB49          \[B]Table 4-9.  Household Composition--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
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               {BOX02B}
               {POP49}
               {STUB49}


TAB410         \[B]Table 4-10.  Previous Unit of Recent Movers--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02B}
               {STUB410}


TAB411         \[B]Table 4-11.  Reasons for Move and Choice of Current Residence--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02B}
               {STUB411}


TAB412         \[B]Table 4-12.  Income Characteristics--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02B}
               {STUB412}


TAB413         \[B]Table 4-13.  Selected Housing Costs--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
               \
               {BOX02B}
               {STUB413}


TAB417         \[B]Table 4-17.  Rooms in Unit by Household and Unit Size, Income, and Costs--Renter-Occupied Units
               \ Numbers in thousands.  Weighting consistent with Census 2000.
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```
           {STUB417}


TAB418     \[B]Table 4-18.  Square Footage by Household and Unit Size, Income, and Costs--Renter-Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX04}
           {STUB418}


TAB419     \[B]Table 4-19.  Detailed Tenure by Financial Characteristics--Renter-Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX05}
           {STUB419}


TAB420     \[B]Table 4-20.  Income of Families and Primary Individuals by Selected Characteristics--Renter-
           \ Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX06}
           {STUB420}


TAB421     \[B]Table 4-21.  Housing Costs by Selected Characteristics--Renter-Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX07}
           {STUB421}


TAB423     \[B]Table 4-23.  Type of Structure and Heating Degree Days by Cost of Utilities--Renter-Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX09}
           {STUB423}


TAB424     \[B]Table 4-24.  Journey to Work--Renter-Occupied Units
           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX02B}
           {STUB424A}
           {STUB424B}


TAB425     \[B]Table 4-25.  Units in Structure by Selected Characteristics--Renter-Occupied Units
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           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX10}
           {STUB425}


TAB51      \[B]Table 5-1.  Introductory Characteristics--Occupied Units With Black Alone Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX02C}
           {STUB51}


TAB52      \[B]Table 5-2.  Height and Condition of Building--Occupied Units With Black Alone Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX02C}
           {STUB52}


TAB53      \[B]Table 5-3.  Size of Unit and Lot--Occupied Units With Black Alone Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX02C}
           {STUB53}


TAB54      \[B]Table 5-4.  Selected Equipment and Plumbing--Occupied Units With Black Alone Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX02C}
           {STUB54}


TAB55      \[B]Table 5-5.  Fuels--Occupied Units With Black Alone Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX02C}
           {STUB55}


TAB56      \[B]Table 5-6.  Failures in Equipment--Occupied Units With Black Alone Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
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           {BOX02C}
           {STUB56}
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TAB57   \[B]Table 5-7. Additional Indicators of Housing Quality--Occupied Units With Black Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
             \
             {BOX02C}
             {STUB57}

TAB58   \[B]Table 5-8. Neighborhood--Occupied Units With Black Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
             \
             {BOX02C}
             {STUB58}

TAB59   \[B]Table 5-9. Household Composition--Occupied Units With Black Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
             \
             {BOX02C}
             {POP59}
             {STUB59}

TAB510   \[B]Table 5-10. Previous Unit of Recent Movers--Occupied Units With Black Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
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             {BOX02C}
             {STUB510}

TAB511   \[B]Table 5-11. Reasons for Move and Choice of Current Residence--Occupied Units With Black
             \ Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
             \
             {BOX02C}
             {STUB511}

TAB512   \[B]Table 5-12. Income Characteristics--Occupied Units With Black Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
             \
             {BOX02C}
             {STUB512}

TAB513   \[B]Table 5-13. Selected Housing Costs--Occupied Units With Black Alone Householder
             \ Numbers in thousands. Weighting consistent with Census 2000.
             \

```
            {BOX02C}
            {STUB513A}
            {STUB513B}


TAB514      \[B]Table 5-14.  Value, Purchase Price, and Source of Down Payment--Owner-Occupied Units With Black
            \ Alone Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX02C}
            {STUB514}


TAB515      \[B]Table 5-15.  Mortgage Characteristics--Owner-Occupied Units With Black Alone Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX02C}
            {STUB515A}
            {STUB515B}
            {STUB515C}


TAB517      \[B]Table 5-17.  Rooms in Unit by Household and Unit Size, Income, and Costs--Occupied Units With Black
            \ Alone Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
            \
            {BOX03}
            {STUB517A}
            {STUB517B}


TAB518      \[B]Table 5-18.  Square Footage by Household and Unit Size, Income, and Costs--Occupied Units With Black
            \ Alone Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX04}
            {STUB518A}
            {STUB518B}


TAB519      \[B]Table 5-19.  Detailed Tenure by Financial Characteristics--Occupied Units With Black
            \ Alone Householder
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             {STUB519B}
             {STUB519C}


TAB520       \[B]Table 5-20.  Income of Families and Primary Individuals by Selected Characteristics--Occupied Units
             \ With Black Alone Householder
             \ Numbers in thousands.  Weighting consistent with Census 2000.
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             {BOX06}
             {STUB520A}
             {STUB520B}
             {STUB520C}


TAB521       \[B]Table 5-21.  Housing Costs by Selected Characteristics--Occupied Units With Black Alone Householder
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX07}
             {STUB521A}
             {STUB521B}
             {STUB521C}


TAB522       \[B]Table 5-22.  Value by Selected Characteristics--Owner-Occupied Units With Black Alone Householder
             \ Numbers in thousands.  Weighting consistent with Census 2000.
             \
             {BOX11}
             {STUB522}


TAB523       \[B]Table 5-23.  Type of Structure and Heating Degree Days by Cost of Utilities--Occupied Units With
             \ Black Alone Householder
             \ Numbers in thousands.  Weighting consistent with Census 2000.
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             {STUB523}


TAB524       \[B]Table 5-24.  Journey to Work--Occupied Units With Black Alone Householder
             \ Numbers in thousands.  Weighting consistent with Census 2000.
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             {BOX02C}
             {STUB524A}
             {STUB524B}


TAB525       \[B]Table 5-25.  Units in Structure by Selected Characteristics--Occupied Units With Black
```

```
              \ Alone Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX10}
              {STUB525}

TAB61         \[B]Table 6-1.  Introductory Characteristics--Occupied Units With Hispanic Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02C}
              {STUB61}

TAB62         \[B]Table 6-2.  Height and Condition of Building--Occupied Units With Hispanic Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02C}
              {STUB62}

TAB63         \[B]Table 6-3.  Size of Unit and Lot--Occupied Units With Hispanic Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02C}
              {STUB63}

TAB64         \[B]Table 6-4.  Selected Equipment and Plumbing--Occupied Units With Hispanic Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02C}
              {STUB64}

TAB65         \[B]Table 6-5.  Fuels--Occupied Units With Hispanic Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
              \
              {BOX02C}
              {STUB65}

TAB66         \[B]Table 6-6.  Failures in Equipment--Occupied Units With Hispanic Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
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              {BOX02C}
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TAB67   \[B]Table 6-7. Additional Indicators of Housing Quality--Occupied Units With Hispanic Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
               \
               {BOX02C}
               {STUB67}

TAB68   \[B]Table 6-8. Neighborhood--Occupied Units With Hispanic Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
               \
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               {STUB68}

TAB69   \[B]Table 6-9. Household Composition--Occupied Units With Hispanic Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
               \
               {BOX02C}
               {POP69}
               {STUB69}

TAB610   \[B]Table 6-10. Previous Unit of Recent Movers--Occupied Units With Hispanic Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
               \
               {BOX02C}
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TAB611   \[B]Table 6-11. Reasons for Move and Choice of Current Residence--Occupied Units With Hispanic
               \ Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
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               {BOX02C}
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TAB612   \[B]Table 6-12. Income Characteristics--Occupied Units With Hispanic Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
               \
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               {STUB612}

TAB613   \[B]Table 6-13. Selected Housing Costs--Occupied Units With Hispanic Householder
               \ Numbers in thousands. Weighting consistent with Census 2000.
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           {BOX02C}
           {STUB613A}
           {STUB613B}


TAB614     \[B]Table 6-14.  Value, Purchase Price, and Source of Down Payment--Owner-Occupied Units With Hispanic
           \ Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX02C}
           {STUB614}


TAB615     \[B]Table 6-15.  Mortgage Characteristics--Owner-Occupied Units With Hispanic Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX02C}
           {STUB615A}
           {STUB615B}
           {STUB615C}


TAB617     \[B]Table 6-17.  Rooms in Unit by Household and Unit Size, Income, and Costs--Occupied Units With
           \ Hispanic Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX03}
           {STUB617A}
           {STUB617B}


TAB618     \[B]Table 6-18.  Square Footage by Household and Unit Size, Income, and Costs--Occupied Units With
           \ Hispanic Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX04}
           {STUB618A}
           {STUB618B}


TAB619     \[B]Table 6-19.  Detailed Tenure by Financial Characteristics--Occupied Units With Hispanic Householder
           \ Numbers in thousands.  Weighting consistent with Census 2000.
           \
           {BOX05}
           {STUB619A}
           {STUB619B}
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{STUB619C}

TAB620   \[B]Table 6-20. Income of Families and Primary Individuals by Selected Characteristics--Occupied Units
                \ With Hispanic Householder
                \ Numbers in thousands. Weighting consistent with Census 2000.
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                {BOX06}
                {STUB620A}
                {STUB620B}
                {STUB620C}

TAB621   \[B]Table 6-21. Housing Costs by Selected Characteristics--Occupied Units With Hispanic Householder
                \ Numbers in thousands. Weighting consistent with Census 2000.
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                {BOX07}
                {STUB621A}
                {STUB621B}
                {STUB621C}

TAB622   \[B]Table 6-22. Value by Selected Characteristics--Owner-Occupied Units With Hispanic Householder
                \ Numbers in thousands. Weighting consistent with Census 2000.
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                {STUB622}

TAB623   \[B]Table 6-23. Type of Structure and Heating Degree Days by Cost of Utilities--Occupied Units With
                \ Hispanic Householder
                \ Numbers in thousands. Weighting consistent with Census 2000.
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                {BOX09}
                {STUB623}

TAB624   \[B]Table 6-24. Journey to Work--Occupied Units With Hispanic Householder
                \ Numbers in thousands. Weighting consistent with Census 2000.
                \
                {BOX02C}
                {STUB624A}
                {STUB624B}

TAB625   \[B]Table 6-25. Units in Structure by Selected Characteristics--Occupied Units With Hispanic Householder
                \ Numbers in thousands. Weighting consistent with Census 2000.

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                \
                {BOX10}
                {STUB625}


TAB71           \[B]Table 7-1.  Introductory Characteristics--Occupied Units With Elderly Householder
                \ Numbers in thousands.  Weighting consistent with Census 2000.
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                {BOX02D}
                {STUB71}


TAB72           \[B]Table 7-2.  Height and Condition of Building--Occupied Units With Elderly Householder
                \ Numbers in thousands.  Weighting consistent with Census 2000.
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                {BOX02D}
                {STUB72}


TAB73           \[B]Table 7-3.  Size of Unit and Lot--Occupied Units With Elderly Householder
                \ Numbers in thousands.  Weighting consistent with Census 2000.
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                {BOX02D}
                {STUB73}


TAB74           \[B]Table 7-4.  Selected Equipment and Plumbing--Occupied Units With Elderly Householder
                \ Numbers in thousands.  Weighting consistent with Census 2000.
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                {STUB74}


TAB75           \[B]Table 7-5.  Fuels--Occupied Units With Elderly Householder
                \ Numbers in thousands.  Weighting consistent with Census 2000.
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                {BOX02D}
                {STUB75}


TAB76           \[B]Table 7-6.  Failures in Equipment--Occupied Units With Elderly Householder
                \ Numbers in thousands.  Weighting consistent with Census 2000.
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                {STUB76}


TAB77           \[B]Table 7-7.  Additional Indicators of Housing Quality--Occupied Units With Elderly Householder
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TAB78       \[B]Table 7-8.  Neighborhood--Occupied Units With Elderly Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX02D}
            {STUB78}

TAB79       \[B]Table 7-9.  Household Composition--Occupied Units With Elderly Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX02D}
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            {STUB79}

TAB710      \[B]Table 7-10.  Previous Unit of Recent Movers--Occupied Units With Elderly Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX02D}
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TAB711      \[B]Table 7-11.  Reasons for Move and Choice of Current Residence--Occupied Units With Elderly
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            {STUB711}

TAB712      \[B]Table 7-12.  Income Characteristics--Occupied Units With Elderly Householder
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            {BOX02D}
            {STUB712}

TAB713      \[B]Table 7-13.  Selected Housing Costs--Occupied Units With Elderly Householder
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            {BOX02D}
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            {STUB713A}
            {STUB713B}


TAB714      \[B]Table 7-14.  Value, Purchase Price, and Source of Down Payment--Owner-Occupied Units With Elderly
            \ Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX02D}
            {STUB714}


TAB715      \[B]Table 7-15.  Mortgage Characteristics--Owner-Occupied Units With Elderly Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX02D}
            {STUB715A}
            {STUB715B}
            {STUB715C}


TAB717      \[B]Table 7-17.  Rooms in Unit by Household and Unit Size, Income, and Costs--Occupied Units With Elderly
            \ Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {BOX03}
            {STUB717A}
            {STUB717B}


TAB718      \[B]Table 7-18.  Square Footage by Household and Unit Size, Income, and Costs--Occupied Units With
            \ Elderly Householder
            \ Numbers in thousands.  Weighting consistent with Census 2000.
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            {STUB718A}
            {STUB718B}


TAB719      \[B]Table 7-19.  Detailed Tenure by Financial Characteristics--Occupied Units With Elderly Householder
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              \ Numbers in thousands.  Weighting consistent with Census 2000.
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              {STUB720A}
              {STUB720B}
              {STUB720C}

TAB721        \[B]Table 7-21.  Housing Costs by Selected Characteristics--Occupied Units With Elderly Householder
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              {BOX07}
              {STUB721A}
              {STUB721B}
              {STUB721C}

TAB722        \[B]Table 7-22.  Value by Selected Characteristics--Owner-Occupied Units With Elderly Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
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              {STUB722}

TAB723        \[B]Table 7-23.  Type of Structure and Heating Degree Days by Cost of Utilities--Occupied Units With
              \ Elderly Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
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              {STUB723}

TAB724        \[B]Table 7-24.  Journey to Work--Occupied Units With Elderly Householder
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              {BOX02D}
              {STUB724A}
              {STUB724B}

TAB725        \[B]Table 7-25.  Units in Structure by Selected Characteristics--Occupied Units With Elderly Householder
              \ Numbers in thousands.  Weighting consistent with Census 2000.
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*   CHAPTER SECTION   *
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#PUFWGT/1000#\--[BH]American Housing Survey 2007              \STATUS = 1 and HHAGE ge 65
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          {TAB723}
          {TAB724}
          {TAB725}
```