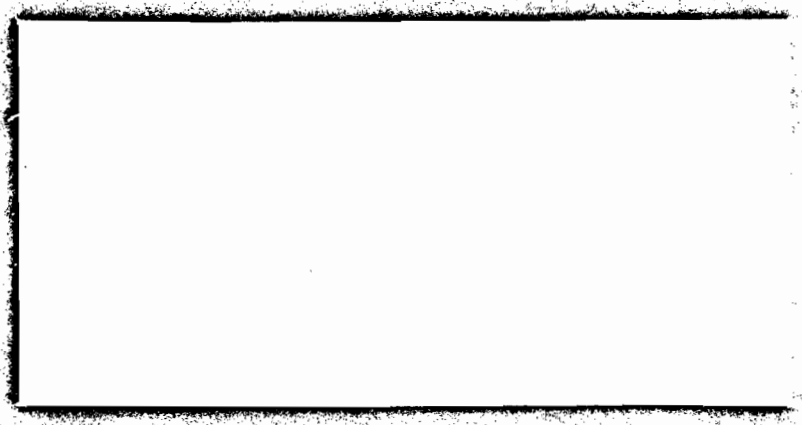

The Seven City Home Maintenance Demonstration for the Elderly:

Final Report
March 1983

VOLUME II

Supplemental and Technical
Appendices

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Appendix A

Sponsor Agency Descriptions

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- Lutheran Housing Corporation
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Garland County Elderly Home Maintenance Project

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- Housing Conservation Institute

People Working Cooperatively, Inc.

People Working Cooperatively, Inc. (PWC) is a non-profit community based organization serving the city of Cincinnati and neighboring Kenton County, Kentucky. Founded in 1975, PWC is governed by a board of directors and administered by an Executive Director. The organization was created to assist unemployed and underemployed persons to obtain jobs, primarily through experience gained from work in agency sponsored home repair and weatherization programs. The agency works closely with the Cincinnati Community Development Department, the Cincinnati Council on Aging, and local Community Action Agencies.

PWC's principal project activity is the provision of a city-wide moderate home rehab and repair program, funded primarily by CDBG funds from the city of Cincinnati.* This program is expected to serve approximately 300 low- and moderate-income homeowner clients and has a backlog in excess of one year. Other agency projects are weatherization services to Kenton County residents and technical consultations to a local neighborhood innovative housing project. Recent agency experience includes administration of a one year HUD Innovative Grant, with the city of Cincinnati and the Council on Aging, providing repair and rehabilitation services tc elderly homeower city residents.

PWC is in the process of amending its agency focus to reflect an emphasis on economic development due, in part, to the loss of funding from CETA cutbacks. Currently under consideration is the formation of a for-profit subsidiary corporation to generate revenue and implement economic development activities. The locally-based self-help emphasis addded to the Elderly Home Maintenance program is consistent with the new direction proposed for the agency.

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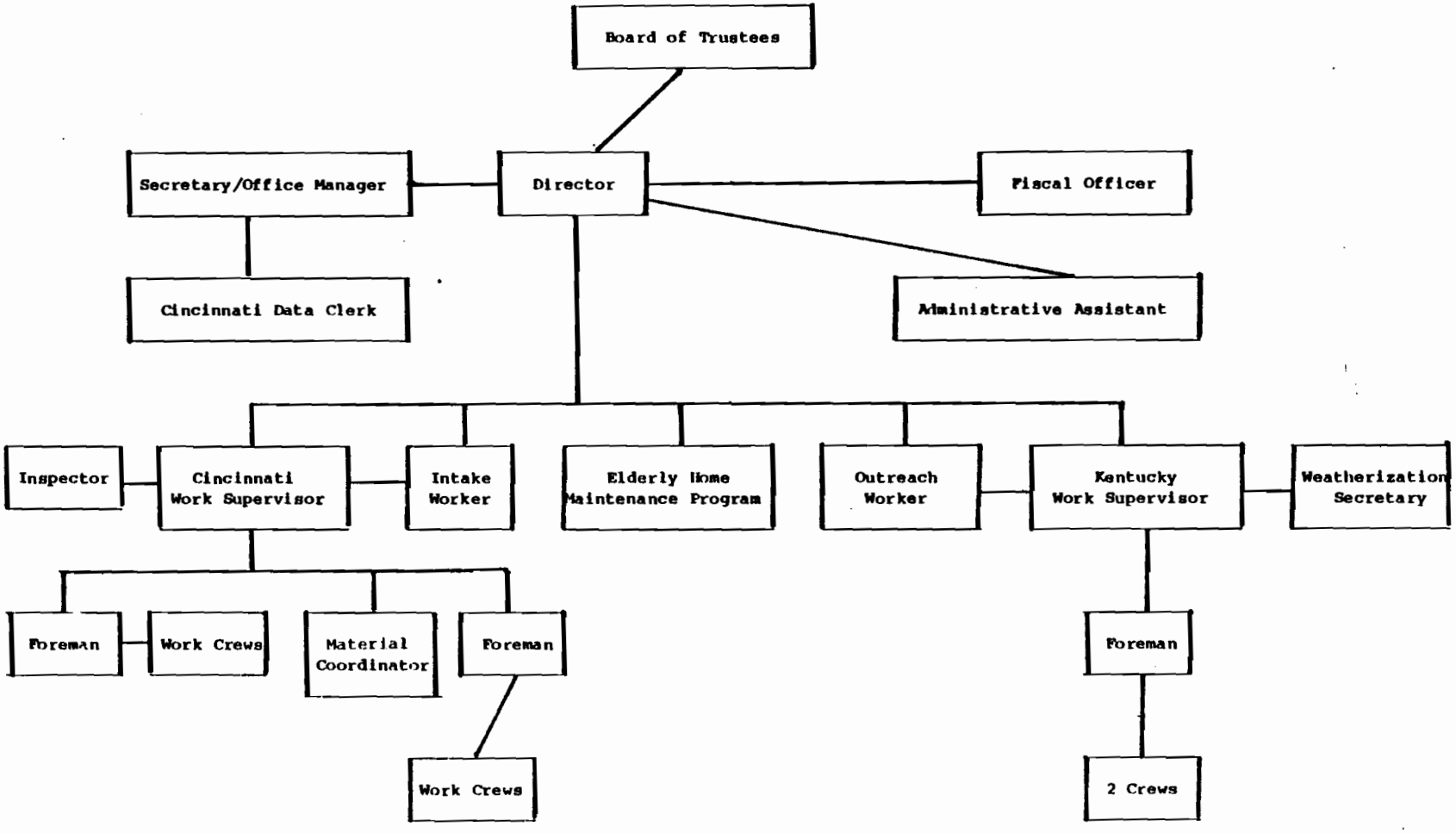
*The maximum materials cost per client for this program is $1,500.

The agency operates two offices, in Cincinnati and a field office in Kenton County. The majority of its 40 employees work as repair specialists, assistants, or trainees. The demonstration project director reports directly to the agency Executive Director, as shown in Exhibit A-1. The Elderly Home Maintenance project maintains a separate work crew and inspector, but utilizes the Agency tool, equipment, and storage facilities.

Participation in the demonstration represents a continuation on a slightly smaller scale, of the services provided to elderly residents under the Innovative Grant and meets a perceived local need for a minor home repair program to complement the existing major CDBG repair program.

Exhibit A-1

Organization of People Working Cooperatively and
Staffing Pattern for Elderly Home Maintenance Program



Lutheran Housing Corporation

The Lutheran Housing Corporation is a private, nonprofit agency created in 1973 through the auspices of the Lutheran church in Cleveland to meet the urgent housing needs of area residents. The agency's principal purpose is to assist low- and moderate-income persons to obtain and to maintain decent, affordable housing. LHC currently operates both in Cleveland and the continguous city of East Cleveland.

The agency provides two primary services: housing counseling and housing rehabilitation. The housing counseling program is concentrated in East Cleveland and is funded from HUD Housing Counseling Grants. LHC has been approved by HUD as a certified HUD counseling agency. The housing rehabilitation experience of LHC has been evolving from participation in a CDBG funded one to two-family rehab program to recent experience in multi-family rehabilitation and property management. The agency has rehabilitated two apartment buildings for multi-family units, one using Section 312 funding, and manages 45 rental units. The CDBG home repair program has rehabbed between 30 and 90 structures. Another LHC project has been the preparation of a television documentary series on the rehabilitation of an area home, patterned after the "This Old House" series originally developed for public television.

In 1980, there were 22 LHC staff persons distributed between an administrative office and five field offices in East Cleveland and four neighborhoods in Cleveland.* Exhibit A-2 shows LHC's organizational structure. Under a new organizational structure, staff is divided between a Housing Services Program, which includes housing counseling, a tool library, and education/instruction, and a Housing Development and Management Program, which incorporates all acquisition and rehabilitation activities, and administration. The administrative office is responsible for the Elderly Home Maintenance Program.

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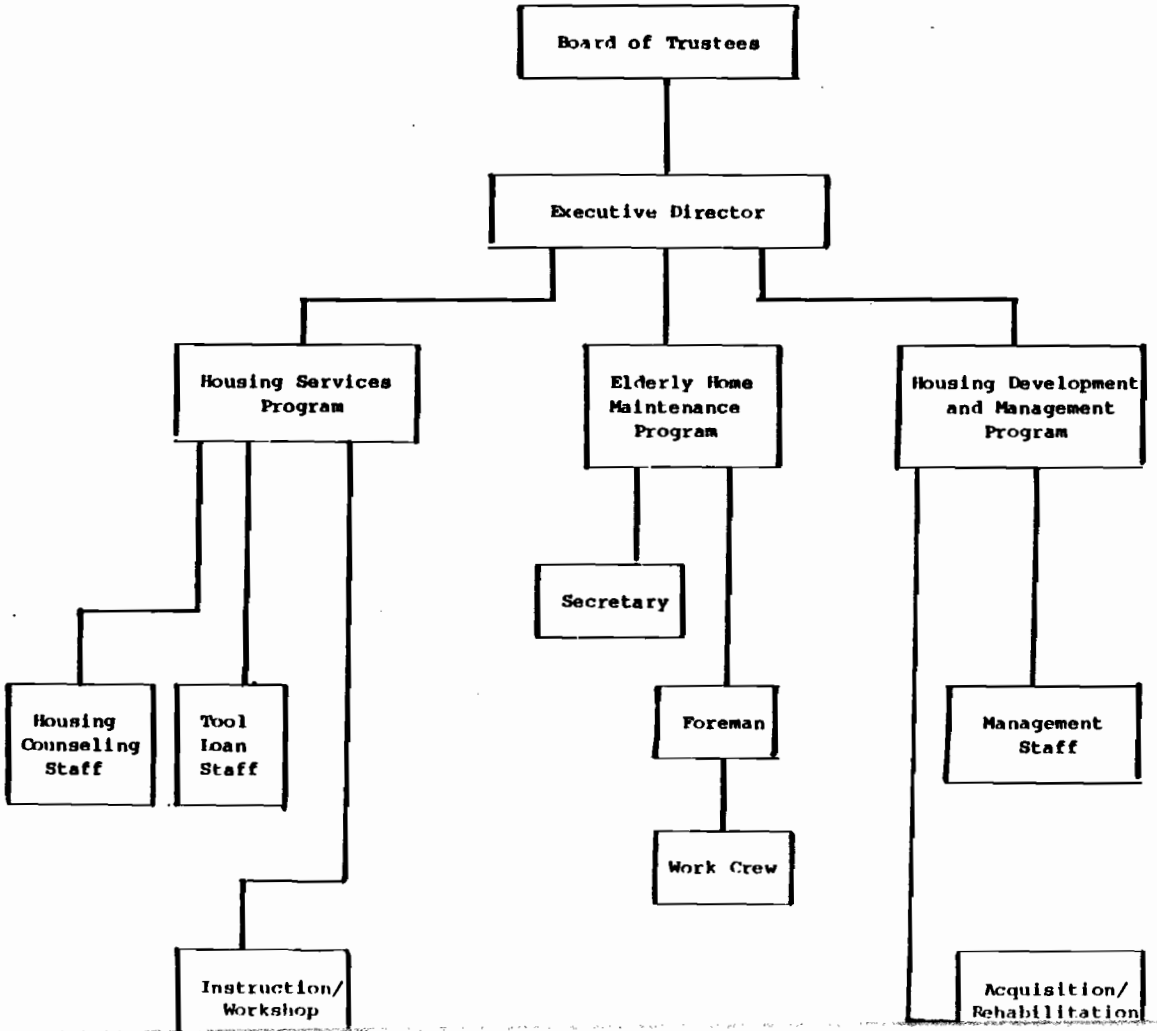
*Field offices are located in the Buckeye-Woodlawn, Glenville-Union-Miles, and Westside neighborhoods of Cleveland.

Exhibit A-2

Organization of the Lutheran Housing Corporation and the Staffing Pattern for the Elderly Home Maintenance Program



LHC has initiated a reorientation of agency objectives responding, in part, to the uncertainty of its funding sources. The shift in emphasis is an attempt to generate revenues through the acquisition, rehabilitation, and management of multi-family housing.

While LHC has considerable housing and home repair experience, the demonstration represents the first effort by LHC to target resources to elderly populations.

Participation in the demonstration was predicated on perceived local need and the existing agecy capacity which could readily accommodate a minor repair program.

The Ecumenical Social Action Committee, Inc.

The Ecumencial Social Action Committee (ESAC) is a neighborhood-based nonprofit organization primarily serving the 40,000 residents of the Jamaica Plain neighborhood in Boston. Created in 1965 by a coalition of area churches, the agency is designed to provide a mechanism for stabilizing and renewing the Jamaica Plain community.

Over the years, ESAC has spun off several groups which have taken their own identities, yet retain close working relationships with the agency. ESAC's early housing efforts resulted in the incorporation of Urban Edge, a nonprofit home ownership, counseling and brokerage organization servicing Jamaica Plain and other city neighborhoods. Urban Edge is providing home inspections for the demonstration under a contract with ESAC. A local neighborhood development corporation was another spin-off from ESAC programs. Comite Hispano and Oficina Hispana are sister agencies formed from ESAC to address the needs of the Hispanic residents of the neighborhood. The Jamaica Plain Senior Team began as an informal referral and service delivery network and has since been incorporated into the ESAC service organization.

ESAC provides a wide range of social services, housing assistance, and employment training to residents of all ages. Program active in 1980 included youth employment and training, adolescent counseling, remedial educational services, energy conversion training for Hispanic residents, carpentry, plumbing, and electrical training and apprenticeship programs and daycare. The Neighborhood Development Corporation is developing plans for rehab congregate housing for elderly residents using a HUD Neighborhood Self-Help grant. The Senior Team staff provide medical, nutrition, and social services to home-bound elderly and also provide services to elderly who participate in local senior centers.

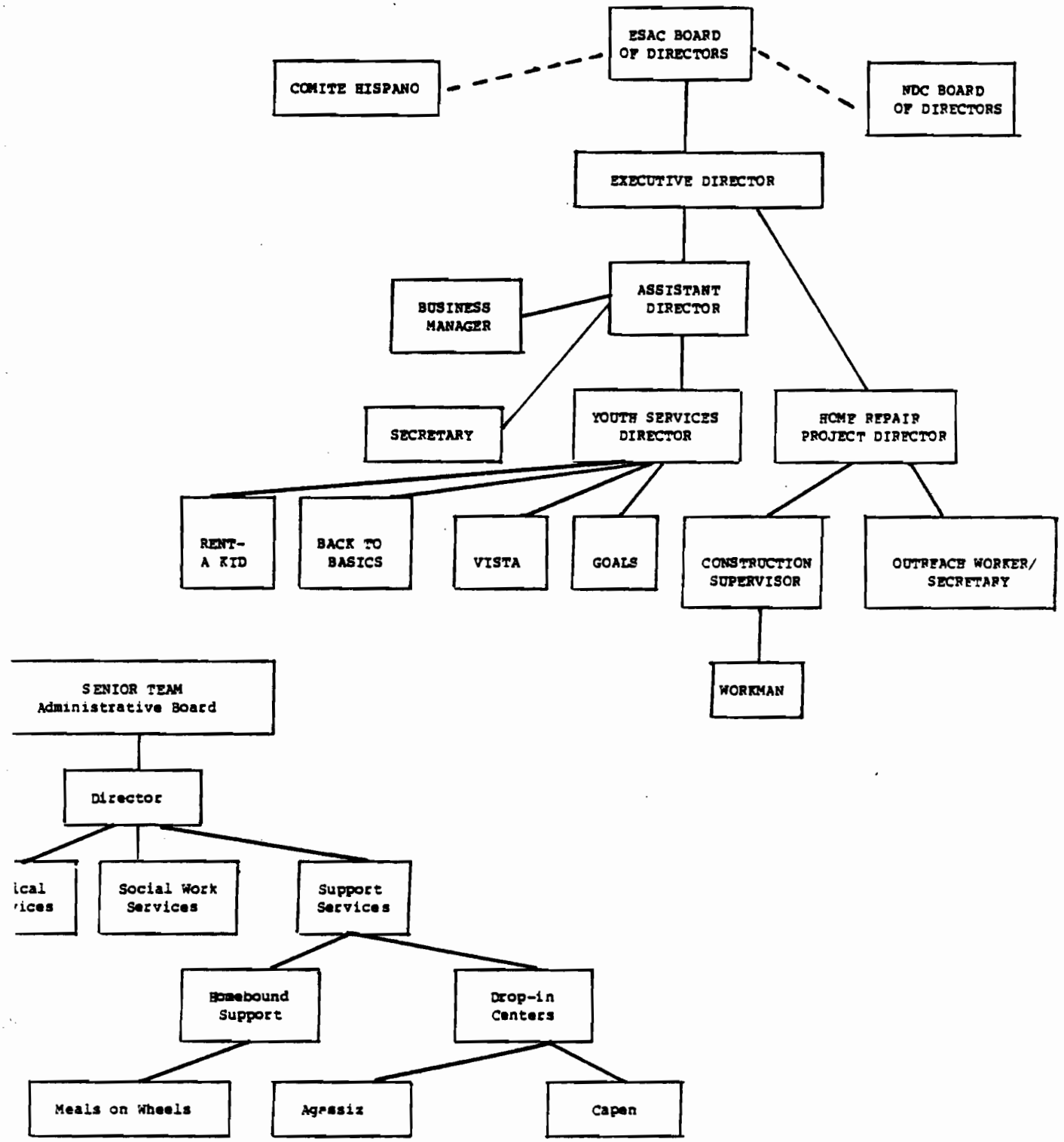
Cuts in both social service and employment training funds (CETA) will affect ESAC's delivery of services. The "Tradewinds" home repair and training programs has been totally eliminated and medical, social, and nutrition services have also been reduced.

Prior to the funding cutbacks in 1981, ESAC maintained a staff 60 persons and provided training opportunities for 30 persons. The agency has retained direct administration and youth service programs and the Senior Team activities and works closely with Comite Hispano and the Neighborhood Development Corporation. The Elderly Home Repair Project has become the primary housing program of the agency, with the project director reporting directly to the agency Executive Director (see Exhibit A-3).

ESAC's participation in the demonstration stems from a desire to address the needs of elderly residents not met by other existing programs, as well as a desire to expand agency capacity in home repair service delivery.

Exhibit A-3

Organization of the Ecumenical Social Action Committee, Inc., and the Staffing Pattern for the Elderly Home Maintenance Program



The Greensboro Housng Authority

The local organization responsible for service delivery in the Greensboro area is the Greensboro Housing Authority (GHA), the only housing program participating in the demonstration. The GHA is a municipal housing authority serving the city of Greensboro and an area within a ten mile radius of city limits. Founded in 1948, the authority directly serves over 7,000 residents. The GHA's primary goal is to provide decent, safe, and sanitary housing to needy residents, while encouraging resident efforts to overcome the levels of poverty.*

Public housing development and maintenance are the primary functions of the GHA. The authority manages 2,285 units, including 50 units for another nearby housing authority. Special project activities are determined, primarily, from funding received from HUD. Recent projects include a $150,000 Urban Initiatives grant for development of a project-based budgeting (PBB) system, a $600,000 Barrier-Free Design Demonstration Grant, and a $25,000 grant to provide housing counseling. For the last fiscal year, the total agency budget was $4,350,000.

The agency has been successful generating income from consulting services provided to other public housing authorities across the country, based experience obtained from participation in the HUD Housing Management Improvement Program and the Small Public Housing Authority Demonstration Program. Management assistance pertaining to operations, organization, policies and procedures, and staff training is provided to over 60 housing authorities.

The GHA has had substantial prior experience providing housing to elderly clients. The agency manages 493 units of subsidized housing designated specifically for the elderly and has developed 346 units of nonsubsidized housiong for middle income elderly use. The unsubsidized units are contained in a rehabilitated hotel project which offers congregate facilities at market rate.

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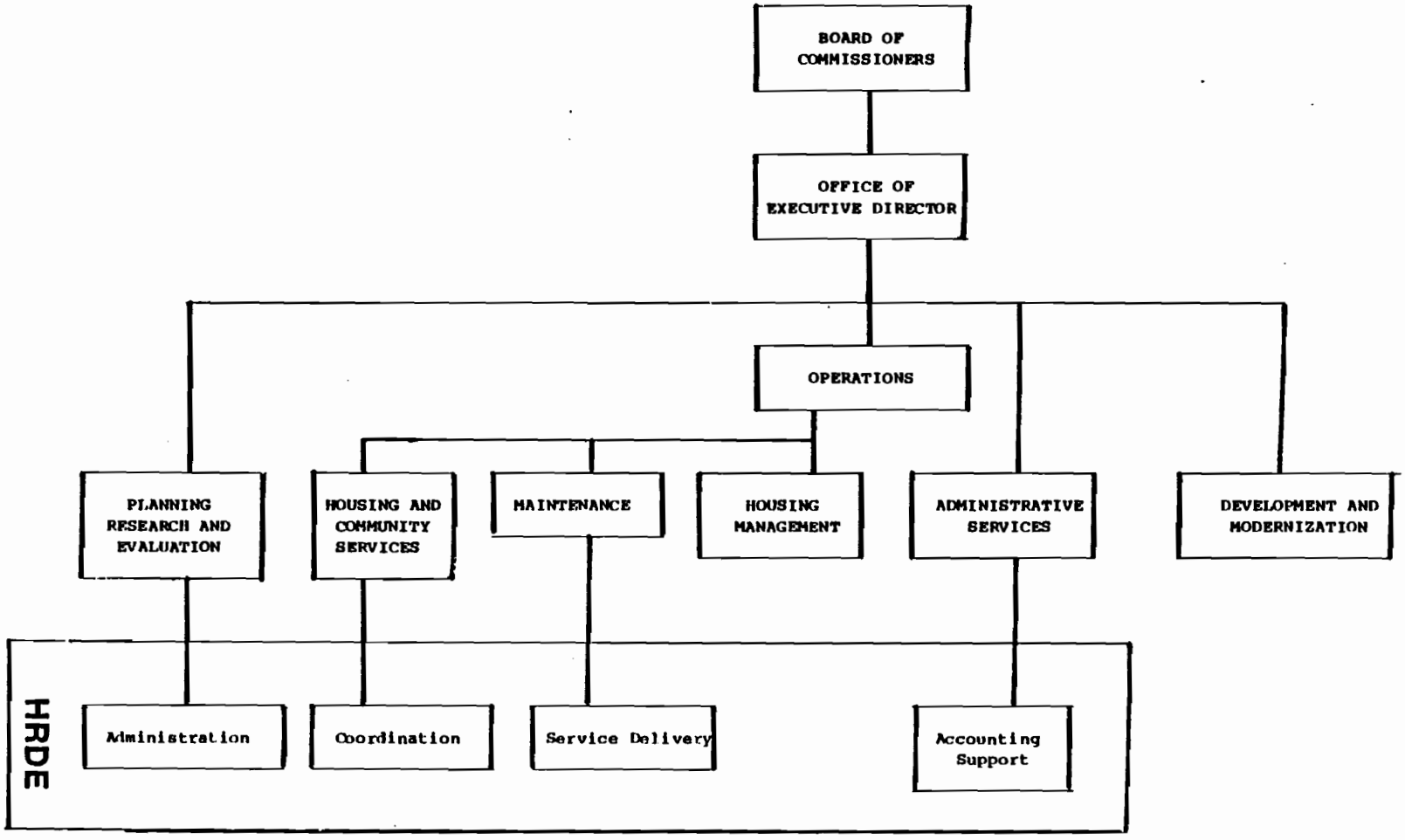
*From Greensboro Housing Authority Agency Plan of Services, p. 2.

The 3 full time employees of the GHA are organized into six line departments reporting to an Executive Director and Board of Commissioners (see Exhibit A-4). There has been considerable consistency among department directors and executive staff. The Home Maintenance and Repair program receives support from four departments, with primary project administration responsibility reserved for the Planning, Research and Evaluation Department. Day-to-day projct coordination is provided from a project coordinator from the Housing and Community Services Department. Work crews are drawn from the Maintenance Department, while accounting/data processing is provided by the Administrative Services Department.

Participation by GHA in the demonstration is, in part, the result of HUD's desire to include a housing authority as one of the local agency service providers.

Exhibit A-4

Organization of the Greensboro Housing Authority
and the Staffing Pattern for the Elderly
Home Maintenance Program



Garland County Elderly Home Maintenance Project

The Garland County (Hot Springs) program is unique among demonstration programs in two primary respects: (1) it is the only program sponsored completely by a unit of local government; and (2) it is the sole program to create a new agency t manage and administer the demonstration activities. Consequently, the program was unable to draw upon any existing capacity in either housing or elderly service delivery.

The Hot Springs program has three principal participants -- the Garland County Judge's Office, the County Citizen Advisory Board, and the project staff. The County Judge serves as the chief administrative officer of the County and the Judge's Officve is responsible for the administration of programs and grants obtained from the federal government, other public agencies, or private sources.* The County Judg'es Office made application to HUD for participation in demonstration and is formally designated as the adminstering agency for the HUD grant. In practice, however, the County has let the program run its own course without significant intervention.

Prior to the mitigation of the Elderly Home Maintenance project in Garland County, the County established a Citizens Advisory Board to oversee and provide policy guidance to the program. Actual oversight of the program has been shared by the Citizens Advisory Committee and the County. The committee has assumed an active role in the adminstration and management of the program. Committee functions have included selection of staff, policy determination, budger oversight and approval and review of client repair services. This strong role, replacing the void left by County nonintervention, resulted in sharp protest from the project staff. During the first program year the dynamics of Committee, County, and project staff relationships were at times strained, as each group attempted to define an appropriate role in the project.

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*See Garland County APS, p. 8.

The Garland County Citizens Advisory Committee was formally incorporated soon afater its creation to satisfy Ford Foundation reuirements that grant recipients be tax-exempt non-profit organizations. The sole purpose of the organization and the project staff is to administer and implement the Elderly Home Maintenance program in Hot Springs and all of Garland County.

The Philadelphia Corporation for Aging

The Philadelphia Corporation for Aging (PCA) is the area agency on aging serving the city and county of Philadelphia, the only area agency on aging represented among the demonstration sites. Established in 1973 under the authority granted by the 1973 Older Americans Act, PCA is a private, nonprofit organization run by a Board of Directors rather than a local government administered agency. The agency was created to coordinate and address the full range of services for elderly persons and to provide the elderly with a mechanisms for voicing concerns and needs.

The primary responsibility of PCA is the management of a comprehensive and coordinated system of services to eldery persons. Service delivery is facilitated through the administration and maintenance of 32 senior centers located throughout the city. Existing service programs include homemaker, chore, and home delivered meals to home-bound clients, group dining, counseling, and recreation/education program at senior centers, and such specialized programs as an information and referral hotline, foster care, domiciliary care, medical transportation, and legal services. Primary funding sources are Older Americans Act, Title III, the Social Security Act, and Title XX funds, along with State, local, and private match funding. The agency adminsters most of the elderly programs in the city, a result of early city reluctance to promote elderly service delivery programs.

Throughout the 1970's, PCA added additional programs to broaden its service delivery capacity. By 1981, the agency had an annual budget of approximatly $14.8 million. Cuts in social services, however, are projected to affect the agency. In particular, Title XX cuts will affect the level of social services which can be delivered in the future.

PCA has had only limited experience in the provision of housing related services to clients. In 1977, the agency administered a weatherization program funded by the William Penn Foundation whih served 1,200 households. Up unitl 1978, the agency used roller

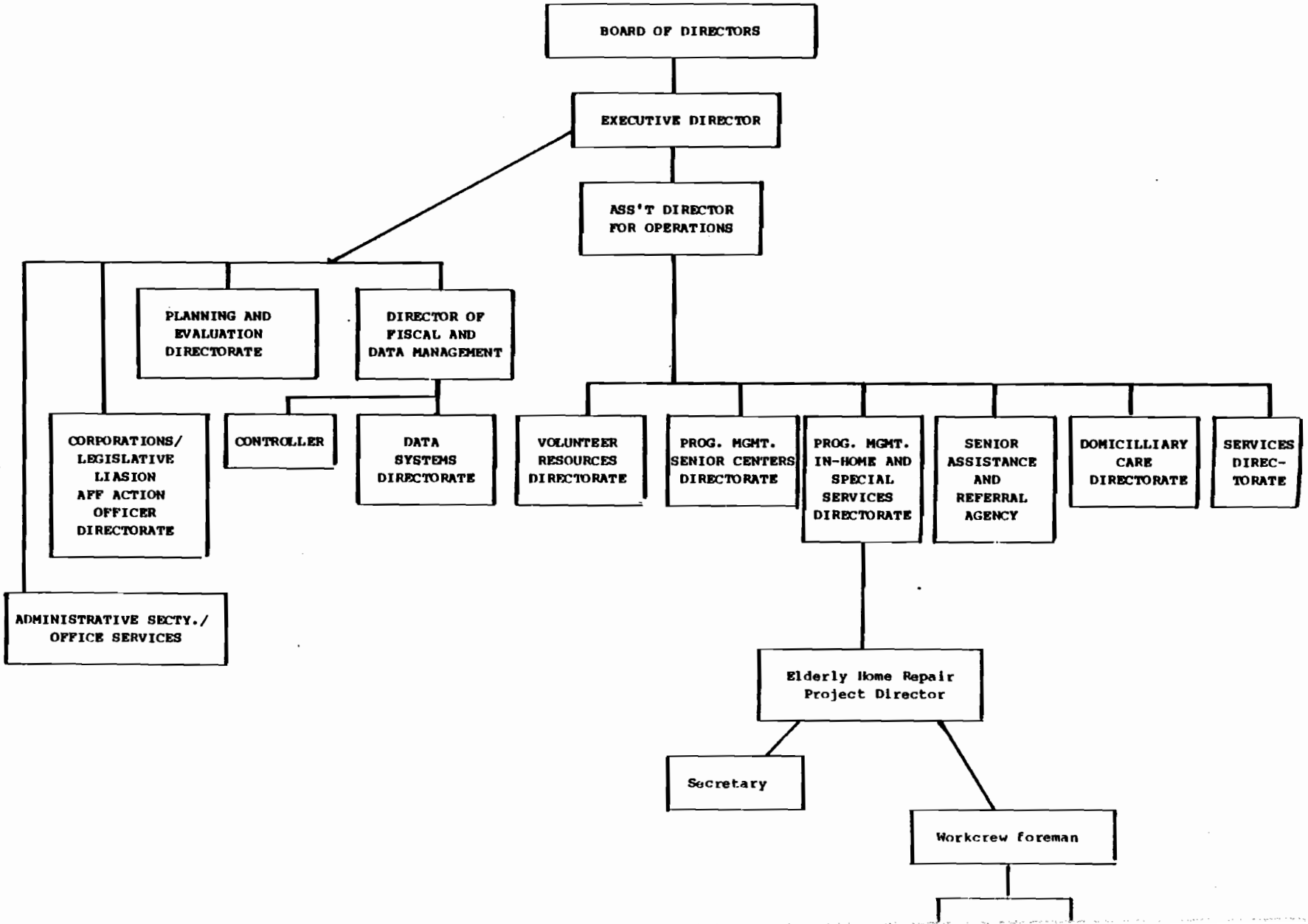
funds for contrcting minor home repair and chore servies. There was, however, no established housing delivery capacity in the agency and the demonstration was perceived, in prt, as a means of building housing capacity.

PCA operates with a staff of 120 fulland part-time persons distributed among nine directoratges (see Exhibit A-5). The elderly home maintenance program is located within the Program Management (Special Services) directorate. Bookkeeping and accounting assistance is rovided by the controller's directorate.

The agency has identified three reasons for participating in the demonstration: (1) to meet the housing needs of its clients; (2) to build agency capacity; and (3) to attempt to integrate housing services with social service delivery.

Exhibit A-5

Organization of the Philadelphia Corporation for Aging and the Staffing Pattern for the Elderly Home Maintenance Program



Housing Conservation Institute

The Housing Conservation Institute (HCI) is a private, non-profit neighborhood agency created in 1975 by the San Francisco Development Fund, a private city-based organizatin developed to conduct short-term demonstration programs in housing and community development. HCI's initial mission was to demonstrate that oldfer city neighborhoods can be revitalized and that long-term peroperty values can be stabilized through a voluntary program of housing rehabilitation to homeowners.* The resultant program, funded bvy the Ford Foundation, the San Francisco Foundation, and the Urban Reinvestment Task Force, has evolved into a comprehensive reinvestment progran serving three continguous San Francisco neighborhoods. In 1980, the demonstration was completed and HCI formally incorporated with a new board of directors.

HCI programs include a variety of subsidized and deferred loans programs providing moderate or substantial rehabilitation for middle income homeowners. Rehabilitation funding is provided primarily through programs operated by the State of California (CHFA), the city CDBG program, and state lending institutions. HCI has also sponsored a free neighborhood paint program and has participate in commercial revitalization activities in the target neighborhoods. In 1980 and 1981 the agency has been undergoing a shift in orientation, substituting private funding fr city and state public funding.

In 1980 and 1981, HCI operated with a staff of 8 persons plus a part-time advisor from the San Francisco Development Fund, as shown in Exhibit A-6. Rehabilitation and repair work are provided by subcontractors, hence eliminating the need for agency work/repair crews. The Elderly Home Maintenance Program is staffed by existing HCI personnel, with dayto-day supervision delegated to the agency program coordinator.

The demonstration marks the first opportunity for HCI to target home repair assistance to both very low income and elderly clients. the prior emphasis on middle income clients was determined,

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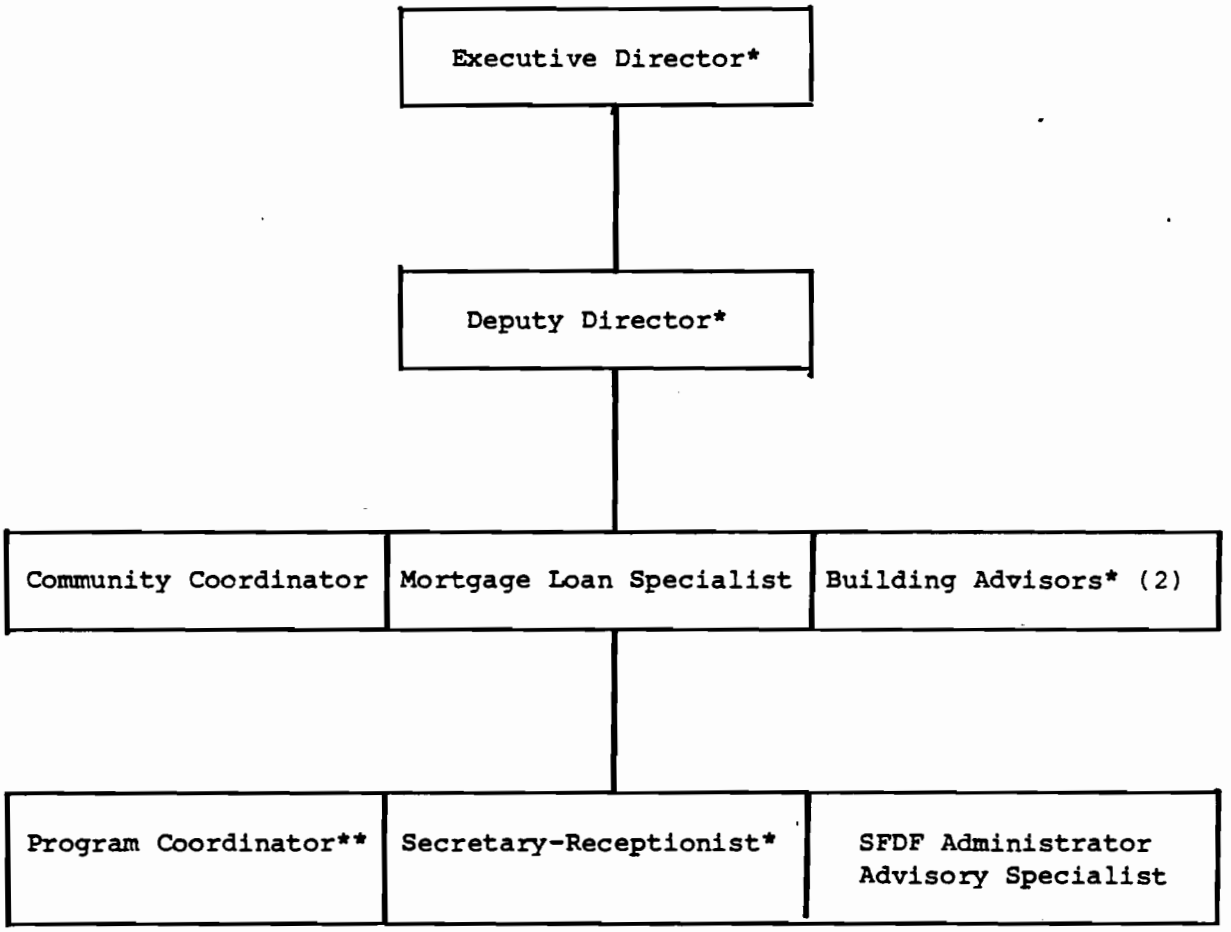
*See San Francisco Development Fund, Fifth Annual Report, 1980.

Exhibit A-6

Organization of the Housing Conservation Institute and the Staffing Pattern for the Elderly Home Maintenance Program



*Elderly Home Maintenance Staff

** Elderly Home Maintenance Program Coordinators responsible for day-to-day operations.

primarily, by the underwriting criteria established for the utilized State and city rehab programs. HCI's participation in the demonstration is, in part, a response to the unmet needs of low income elderly homeowners in the target neighborhoods.

Appendix B

Supplemental Exhibits for Chapter Four

- Head of Household Mobility Related Programs, by City

- Type of Health Problems

- Distribution of Interviewer's Assessment with Respondent's Health

- Mean Household Income Per Month by Source for Household Receiving that Source, by City

Exhibit B-1

Head of Household Mobility Related Problems by City. Percent.

	CITY							
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco	All Cities
Difficulty Getting Around House In/Out (%)	33.6%	52.8%	41.1%	57.8%	29.4%	71.9%	46.7%	47.9%
Sample Size	122	142	124	147	126	121	137	919
Head	Types of Problems for those Having Mobility Problems							
Difficulty Getting In/Out of House - Head (%)	57.9%	74.6%	60.0%	53.6%	81.1%	61.9%	55.6%	62.5%
Problems Using Stairs - Head (%)	81.6	87.3	76.0	54.8	64.9	77.4	68.3	72.4
Problems Getting In/Out of Bath - Head (%)	47.4	80.3	58.0	82.1	56.8	72.6	57.1	68.1
Other Problems - Head (%)	2.6	2.8	12.0	2.4	13.5	7.1	0.0	5.2
Sample Size	38	71	50	84	37	84	63	427

P < 0.03 for all.

Source: USR&E Demonstration Enrollment File.

Exhibit B-2

Type of Problems. Distribution of all Responses.

Problems	CITY							
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco	All Cities
High Blood Pressure	14.3%	19.7%	5.3%	13.6%	14.2%	7.1%	15.4%	13.3%
Heart, Cancer, Diabetes	30.3	27.4	32.9	32.2	30.7	35.7	29.9	31.1
Arthritis, Back	30.3	29.1	38.2	22.0	37.0	27.6	37.6	31.5
Accident	4.2	3.4	5.3	4.2	3.9	1.0	2.6	3.5
Mental Stress	5.0	2.6	0.0	0.0	2.4	2.0	1.7	2.1
Other	16.0	17.9	18.4	28.0	11.8	26.5	12.8	18.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sample Size	119	117	76	118	127	98	117	772

Source: USR&E Demonstration Enrollment File.

Exhibit B-3

Distribution of Interviewer's Assessment of Respondent's Health (Percent). By City.

	CITY							
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco	All Cities
Healthy	59.0%	78.2%	69.1%	55.8%	79.0%	26.0%	69.1%	62.6%
Some Impairment	30.3	16.2	17.1	36.1	15.3	35.0	25.0	25.1
Needs Help	10.7	5.6	13.8	6.8	4.8	32.5	5.1	11.0
Major Disability	0	0	0	1.4	0.8	6.5	0.7	1.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sample Size	122	142	123	147	124	123	136	917

Source: USR&E Demonstration Enrollment File.

Exhibit B-4

Mean Household Income Per Month
By Source for Households Receiving That Source. By City.

Source	CITY							
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco	All Cities
Soc.Sec./Mo. (St. Dev.) n = sample size	$407 (166) n = 113	$415 (180) n = 131	$386 (134) n = 111	$416 (743) n = 141	$299 (128) n = 124	$352 (150) n = 118	$371 (153) n = 128	$379 (332) n = 866
SSI/Mo. (St. Dev.) n = sample size	117 (124) n = 7	174 (107) n = 8	144 (121) n = 17	120 (99) n = 14	68 (52) n = 25	118 (110) n = 25	206 (198) n = 30	137 (137) n = 126
Dividends/Mo.	146 (112) n = 50	98 (89) n = 10	51 (111) n = 54	72 (89) n = 34	78 (59) n = 8	34 (46) n = 2	146 (145) n = 18	95 (115) n = 176
Rent/Mo.	120 (36) n = 23	120 (73) n = 54	209 (96) n = 60	137 (104) n = 11	102 (47) n = 7	153 (85) n = 12	196 (86) n = 15	158 (90) n = 182
Wages/Mo.	341 (232) n = 8	1,238 (2,766) n = 12	331 (232) n = 14	270 (164) n = 18	192 (126) n = 13	465 (201) n = 4	272 (176) n = 11	430 (1,102) n = 80

Exhibit B-4

(continued)

Source	CITY							
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco	All Cities
Welfare/Mo.	205 (133) n = 2	120 (98) n = 10	105 (97) n = 3	128 (2) n = 3	84 (28) n = 2	256 (130) n = 5	387 (7) n = 2	168 (122) n = 27
Pension/Mo.	248 (192) n = 49	290 (217) n = 51	287 (213) n = 42	137 (119) n = 30	747 (2,313) n = 18	184 (188) n = 32	260 (220) n = 71	276 (605) n = 293
Other Income/Mo.	280 (164) n = 7	110 (0) n = 1		135 (111) n = 24	165 (108) n = 5	326 (134) n = 5	258 (211) n = 17	206 (165) n = 59
Total Income/ Mo.	614 (266) n = 122	593 (259) n = 142	623 (231) n = 124	468 (205) n = 146	372 (143) n = 126	464 (199) n = 123	630 (260) n = 137	538 (245) n = 920

Source: USR&E Demonstration Enrollment File.

Appendix C

Client Housing Chracteristics Profiles

- Cincinnati
- Cleveland
- Boston
- Greensboro
- Hot Springs
- Philadelphia
- San Francisco

Exhibit C-1

Client Housing Characteristics Profile

Cincinnati

- All structures are detached (100.0%);
- Construction split between Wood frame (57.4%) and Masonry (42.6%);
- Home exteriors tend to be brick (39.3%) but also siding (20.5%) and wood (17.2%);
- A majority have garages (57.0%);
- A majority have attics (56.7%);
- Nearly all have basements (97.5%)
- Homes are split between one story (17.2%), one and half stories (23.0%) and two stories (38.5%);
- Most structures contain a single unit (79.3%), although there are a limited number (19.8%) of two unit structures;
- Homes typically have from 4-8 rooms; (27.0%) had five rooms, (29.5%) had six rooms;
- A majority have a single bathroom (51.6%), while 27.0% have one and a half baths;
- Homes typially have two bedrooms (50.8%), although 24.6% have three bedrooms;
- Homes have mean property values of $36,661;
- Nearly all homes (95.1%) were built between 1900 and 1959; 45.9% were built between 1920 and 1939.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit C-2

Client Housing Characteristics Profile

Cleveland

- Most structures are detached (82.4%)
- Nearly all structures (96.2%) are or wood frame construction;
- Most homes have wood exteriors (73.5%);
- Most homes have garages (76.8%);
- Nearly all homes have attics (91.8%);
- Nearly all homes have basements (98.5%);
- Homes tend to have two and a half (63.0%) or two (27.4%) stories;
- Structures are split between single-residence units (48.5%) and two units (47.0%);
- Homes tend to be large; while a majority of homes have either four or five rooms (46.5%), a sizeable number (35.9%) have eight or more rooms;
- A majority of homes have a single bathroom (56.4%), while 21.1% have two and 15.0% have one and a half bathrooms;
- The number of bedrooms is split between two (28.8%), three (34.8%), four (22.0%), and five or more (12.9%);
- Homes have mean property values of $21,566;
- Most homes were built between 1910 and 1929 (78.4%); 57.5% were built betweeen 1920 and 1929.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit C-3

Client Housing Characteristics Profile

Boston

- Most structures are detached (90.3%);
- Nearly all structures (95.1%) are of wood frame construction;
- Home exteriors tend to be wood (46.7%), asbestos (19.7%), or siding (13.1%);
- Only 22.0% of the homes have garages;
- Most homes have attics (87.9%);
- Nearly all homes have basements (87.9%);
- Homes tend to be split between two stories (49.2%), two and a half stores (17.7%), and three stories (29.8%);
- A majority of homes have multiple units; 47.0% have two units, 19.4% have three units, 46.8% have a single unit;
- Most homes have five or six rooms (60.1%); 21.9% have eight or more rooms;
- Most homes (81.1%) have a single bathroom;
- The number of bedrooms is typically split between three (39.5%), two (29.0%), and four or more (25.8%);
- Homes have mean property values of $46,114;
- Homes tend to be old; 50.0% were built between 1900 and 1919; 19.7% were built between 1920 and 1929; 18.9% were built prior to 1900.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit C-4

Client Housing Characteristics Profile

Greensboro

- All structures are detached (100.0%);
- Most structures are of wood frame construction (71.9%), although there are also a number of masonry homes (28.1%);
- Home exterior type is split between brick (21.8%), wood (14.3%), siding (23.1%), and asbestos (19.0%), and combinations (16.3%);
- Only a third (33.3%) of the homes have garages;
- A majority of homes (55.5%) have attics;
- Most homes (82.8%) do not have basements;
- Most homes (89.7%) are single story structures;
- Nearly all homes (99.3%) have single units;
- Most homes (84.5%) have from four to six rooms;
- Most homes (84.4%) have a single bathroom;
- Most homes have two or three bedrooms (91.0%);
- Homes have mean property values of $29,329;
- Homes tend to be new; a majority of homes (57.9%) were built between 1940 and 1959; 20.0% were built between 1930 and 1939.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit C-5

Client Housing Characteristics Profile

Hot Springs

- Nearly all structures are detached (99.2%);
- Nearly all structures are of wood frame construction (96.6%);
- Home exteriors tend to be wood (42.4%), followed by siding (23.7%) and asbestos (11.9%);
- Most homes (88.4%) do not have garages;
- Most homes (82.1%) do not have attics;
- Most homes (85.4%) do not have basements;
- Nearly all homes have a single story (97.6%);
- Nearly all homes have a single residence unit (98.3%);
- Homes tend to be small; a majority of homes (58.8%) have four or five rooms; 13.7% of the homes have three rooms or less;
- Most homes have a single bathroom (90.0%), although three homes have no indoor bathrooms;
- A majority of homes have two bedrooms (55.7%), while 24.6% have three;
- Homes have mean property values of $16,107;
- Homes tend to be newer; a majority of homes (61.4%) were built between 1920 and 1929; while 16.3% were built in 1960 or later.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit C-6

Client Housing Characteristics Profile

Philadelphia

- Most strucures (88.5%) are attached row houses;
- Nearly all structures (94.9%) are of masonry construction;
- Most home exteriors are brick (87.8%);
- Most homes do not have garages (71.1%);
- Most homes do not have attics (93.4%);
- Nearly all homes have basements (98.3%);
- Most homes have two stories (74.6%), or three stories (22.1%);
- Most homes have a single resident unit (90.8%);
- A majority of homes have six or seven rooms (56.6%);
- Most homes have a single bathroom (80.3%);
- A majority of homes (52.9%) have three bedrooms; 16.5% have four and 11.6% have two;
- Homes have mean property values of $15,732;
- Homes tend to be old; 66.1% of the homes were built between 1900 and 1929; while 22.2% were built prior to 1900.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit C-7

Client Housing Characteristics Profile

San Francisco

- Most structures are row houses (71.1%), although a substantial minority (25.2%) are detached;
- All structures are of wood frame construction (100.0%);
- Most home exteriors are combinations (64.4%) or stucco (17.0%);
- Most homes have garages (88.9%);
- Most homes do not have attics (82.2%);
- Nearly all homes have basements (94.0%);
- Most homes are one story (87.4%);
- Most homes have single residence units (92.6%);
- Most homes have four to six rooms (85.9%);
- Most homes (70.4%) have one bathroom;; 23.7% have one and a half bathrooms;
- Most homes have either two (46.7%) or three (35.6%) bedrooms;
- Homes have mean property values of $91,551;
- 59.1% of the homes were built between 1910 and 1939, while 33.4% were built in 1940 or later.

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Appendix D

Repair Related Codes for Use with Demonstration Forms

- 2 digit Repair Need Codes
- 3 digit Specific Repair Codes

REPAIR NEED CODES USED BY INSPECTORS AND EVALUATION CONTRACTOR STAFF

Exterior of House

01: Foundation
02: Exterior wall
03: Exterior door
04: Exterior window
05: Porches, steps, stoops, rails
06: Other

Roof

07: Roof, flashing, caulking
08: Gutters, downspouts, drain system

Storm Doors and Windows

09: Storm doors
10: Storm windows

Interior of House

11: Walls
12: Ceilings
13: Floors
14: Windows
15: Doors
16: Electrical (room switches, outlets, etc.)
17: Other

Plumbing

21: Piping/fittings (drains, waste, vents)
22: Piping/fittings (hot/cold water)
23: Fixtures (toilet/bath sink/kitchen sink/tub/shower): minor repair
24: Fixtures/ (toilet/bath sink/kitchen sink/tub/shower): major repair

Heating

31: Piping or duct repairs to central heating system
32: Minor equipment repairs to central heating system
33: Water heater
34: Space heater
35: Air conditioner
36: Major equipment repair to central heating system

Electrical System (Excluding Room Outlets, etc.)

41: Minor repairs--change fuse, etc.
42: Major repairs--rewiring, add circuits, upgrade service, etc.

Stairways

51: Stairs, handrails in living area
52: Stairs, handrails in attic or basement

Other Areas of House

61: Moisture in basement or attic
62: Termites/ants/rodents in basement or attic
63: Structure of basement or attic
64: Moisture in living space
65: Termites/ants/rodents in living space

Insulation/Other Weatherization Excluding Storm Doors and Windows

71: Basement/floor insulation
72: Attic/ceiling insulation
73: Wall insulation
74: Other insulation (pipes, water heater)
75: Weatherstripping/caulking
76: Foundation waterproofing/sealing against air leaks

Other Property Repairs

81: Accessory buildings
82: Fences, gates
83: Walkways, driveways
84: Landscaping/yard work/trash or junk removal

SPECIFIC REPAIR CODE USED BY PROGRAM STAFF AND EVALUATION CONTRACTOR STAFF

100: INTERIOR REPAIRS

110: Wall Repairs--General

* 111: Refinish (paint/paper/panel) any portion of interior wall
* 112: Repair portion of one wall
* 113: Repair/remove/replace baseboard moulding or wainscoting
  114: Add/move door in wall
  115: Move/add/remove partition wall

120: Ceiling Repairs--General

* 121: Refinish (only) all or part of ceiling
* 122: Repair/remove/replace portion of ceiling or ceiling moulding
  123: Replace ceiling--plaster, sheet rock or tile
  124: Install drop ceiling

130: Floor Repairs--General

* 131: Refinish (only) floor surface--wax, etc.
* 132: Repair/patch existing floor surface
* 133: Cover existing floor with new surface (e.g., new tile)
  134: Replace floor including underlayment (subfloor)

140: Interior Door Repairs--General

* 141: Refinish (only) door
* 142: Repair/replace lockset (handles) or strikeplate; add locks
* 143: Repair door; replace glass in door
  144: Repair door frame or threshold
  145: Rehang door
  146: Replace door

150: Window Repairs--General

* 151: Refinish (only) window
* 152: Replace broken panes; replace sash cords, chains, etc.
* 153: Add/replace/repair window locks
* 154: Add/replace/repair window screens
* 155: Install security grate over window
* 156: Repair existing window frame or sash
  157: Replace entire window
  158: Fill old window (permanent); add new window

160: Interior Stairs and Handrail Repairs--General

* 161: Refinish (only) stairs or handrails in living area
* 162: Make minor repairs; install treads or carpet; add/replace repair handrail for stairs in living area
  163: Replace/structurally repair stairs in living area
* 164: Make minor repairs; install treads or carpet; refinish (only) stairs in attic or basement
* 165: Add/replace/repair handrail for stairs in attic or basement
  166: Replace/structurally repair stairs in attic or basement

170: Cabinet, Closet, or Storage Repairs--General

* 171: Refinish (only) kitchen shelving or cabinets
* 172: Repair kitchen shelving or cabinets
  173: Replace kitchen shelving or cabinets
* 174: Add/replace/repair kitchen counter top
* 175: Add/replace/repair bars, hooks, other hardware in closets
  176: Other storage closet repairs

180: Miscellaneous Interior Repairs--General

* 181: Install smoke alarm
* 182: Install interior ramps
* 183: Install/repair grab bars or other safety features (entire house)
  184: Add/replace/repair appliance (range, refrigerator, etc.)
* 185: Exterminate/trap rodents or insects

200: ELECTRICAL REPAIRS

210: Minor Electrical Repairs--General

* 211: Replace light bulbs
* 212: Repair/replace outlets, receptacles, switches, fixtures
* 213: Add outlets, receptacles, switches, fixtures.

220: Electrical Wiring Repairs--General

* 221: Repair wiring--minor
  222: Repair wiring--major, including adding circuits

230: Electrical System Repairs--General

* 231: Replace fuses
* 232: Add/replace/repair fuse box or circuit breaker panel
  233: Upgrade service (amperage); install new main entrance

300: PLUMBING REPAIRS

310: Piping Repairs--General

* 311: Clean/repair drains or traps
  312: Repair leaking pipes
  313: Replace some or all water pipes

320: Toilet Repairs--General

* 321: Repair/replace seat, tank, flush mechanism
  322: Add/replace toilet

330: Bathroom Sink Repairs--General

* 331: Replace faucet washers
* 332: Repair/replace faucets, handles, valve stems; caulk, grout, seal or patch sink
  333: Add/replace sink

340: Kitchen Sink Repairs--General

* 341: Replace faucet washers
* 342: Repair/replace faucets, handles, valve stems; caulk, grout, seal or patch sink
  343: Add/replace sink

350: Bathtub/Shower Repairs--General

* 351: Replace faucet washers
* 352: Repair/replace faucets, handles, valve stems, shower heads; caulk, grout, seal or patch tub, shower or tile enclosure
  353: Add/replace tub or shower

360: Water Heater Repairs--General

* 361: Reset thermostat
  362: Repair water heater
  363: Add/replace water heater

400: HEATING/COOLING SYSTEM REPAIRS

410: Central Heating System Repairs--General

* 411: Change/clean furnace filter
* 412: Repair/replace thermostat;
* 413: Clean/service furnace/boiler
  414: Repair furnace/boiler
  415: Add/replace furnace/boiler

420: Heat Distribution System Repairs--General

* 421: Clean/repair ducts, pipes, vents, registers, radiators, etc.
  422: Add/replace ducts, pipes, vents, registers, radiators, etc.

430: Space Heater Repairs--General

* 431: Clean/lubricate space heater
* 432: Repair space heater
  433: Add/replacer space heater

440: Air Conditioning Repairs--General

* 441: Clean/lubricate air conditioner
* 442: Repair air conditioner
  443: Add/replace air conditioner

500: EXTERIOR REPAIRS

510: Foundation Repair--General

* 511: Patch/seal foundation cracks; replace loose mortar
  512: Repair foundation structure

520: Exterior Wall Structural Repairs--General

530: Exterior Siding Repairs--General

* 531: Refinish (only) exterior wall
* 532: Repair/replace some clapboards, shingles or other siding
  533: Re-side one or more walls (shingles, shakes, vinyl siding, etc.)
  534: Repair exterior trim, shutters, awnings or other projections

540: Exterior Stair and Handrail Repairs--General

* 541: Repair stairs; add/repair/replace windows, etc.
  542: Add/replace exterior steps

550: Porch or Entranceway Repairs--General

* 551: Minor (nonstructural) repair--screens, paint, windows, etc.
  552: Major (structural) repair--foundation, walls, roof, etc.

560: Exterior Door Repairs--General

* 561: Refinish (only) door
* 562: Add/repair/replace doorbell or doorknocker
* 563: Add/repair/replace locks, security devices
  564: Repair door frame or threshold
  565: Replace door

570: Roof Repairs--General

* 571: Seal/patch minor leaks; replace some shingles or roofing
  572: Reroof surface only (with or without stripping old surface)
  573: Rebuild roof, including some or all roof structure

580: Gutter and Downspout Repairs--General

* 581: Refinish/clean/waterproof gutters or downspouts
  582: Add/replace gutters or downspouts

590: Chimney Repairs--General

* 591: Clean chimney
  592: Add/repair/replace/reline chimney

600: WEATHERIZATION REPAIRS

610: Weatherize Exterior Doors or Windows--General

* 611: Caulk/weatherstrip exterior doors, windows

620: Storm Windows and Doors--General

* 621: Repair storm window
* 622: Add/replace storm window (plastic sheeting)
* 623: Add/replace storm window (permanent)
* 624: Repair storm door
* 625: Add/replace storm door

630: Insulation--General

  631: Insulate attic
  632: Insulate walls
  633: Insulate floor
* 634: Insulate water pipes
* 635: Insulate water heater
* 636: Insulate heating ducts or pipes

640: Foundation Weatherization--General

700: OTHER PROPERTY REPAIRS

710: Accessory Building Repairs--General

* 711: Refinish (only) accessory building
* 712: Add/repair/replace locks, other security devices
* 713: Repair accessory building
  714: Add/remove/replace accessory building

720: Fence and Gate Repairs--General

* 721: Refinish (only) fences, gates
* 722: Repair fences, gates
  723: Add/remove/replace fences, gates

730: Walkway and Driveway Repairs--General

* 731: Seal/pave/patch/repair walkway
  732: Add/remove/replace walkway
  733: Repair driveway

740: Landscaping--General

750: Trash or Junk Removal--General

760: Insect or Rodent Extermination--General (Except House Interior)

* Indicates minor repair

Appendix E

Copies of Primary Data Collection Forms

- Enrollment Form
- Inspection Form
- Work Order Form
- Callback/Emergency Form
- Participant Impact Form

PRIVACY ACT OF 1974 (PL 93-579) STATEMENT

Elderly Home Repair Demonstration Program

HOMEOWNER ENROLLMENT FORM

Authority: Sections 501 and 502 of the National Housing Act.

Purpose: The information requested is to determine respondent's eligibility for participation in the Home Repair Demonstration Program, and to determine repair needs of the house.

Use: The information will be kept in strictest confidence and will be used only by the Department of Housing and Urban Development to prepare statistical reports on the program.

DISCLOSURE OF THIS INFORMATION IS VOLUNTARY.

PART A. HOME AND REPAIR NEEDS

1(a) How did you hear about the Home Repair Program?

PROGRAM PARTICIPANT. 1
NON-PARTICIPANT FRIEND/RELATIVE. 2
MATERIALS IN MAIL OR AT DOOR 3
TV, RADIO, PAPER 4 29
SOCIAL WORKER. 5
AGENCY PERSON AT DOOR. 6
FIRST I'VE HEARD OF IT 7
OTHER (SPECIFY)_____ 8

1(b) Do you: (READ LIST)

Own or hold a mortgage 1
Rent this home 2
Have a life estate on the home 3 30
or Share the title with someone else?
SPECIFY: _____ 4
OTHER. 5

IF RESPONDENT RENTS HOME, TERMINATE INTERVIEW.

2(a) Do you have things about your house that need repair?

YES. 1
NO 2 31

IF RESPONDENT ANSWERS NO, TERMINATE INTERVIEW.

2(b) IF YES:
What is most in need of repair? Is there anything else? ☐☐ 32-

_____ ☐☐ 34-
_____ ☐☐ 36-
_____ ☐☐ 38-
☐☐ 40-

I would like first to talk about the heating or air conditioning. ☐☐ 42-

3(a) Are there areas in this house that are especially cold or drafty in winter?

YES. 1
NO **GO TO A3(c)** 2 44

3(b) IF YES: Which areas?

_____ ☐☐ 45-
_____ ☐☐ 47-
_____ ☐☐ 49-

(c) Does the heating (or air conditioning) of your house need repairs?

YES. 1
NO **GO TO A3(e)** 2 51
DON'T KNOW **GO TO A3(e)** 8

(d) What needs to be done? ☐☐ 52-5
_____ ☐☐ 54-5
_____ ☐☐ 56-5

(e) During the past 12 months, was any work done to the heating system or air conditioning system in this house? Include all work even as minor as changing a filter.

YES. 1
NO **GO TO A3(i)** 2 58
DON'T KNOW **GO TO A3(i)** 8

(f) What was repaired or serviced?
_____ ☐☐ 59-6
_____ ☐☐ 61-6
_____ ☐☐ 63-6

(g) Who made most of these repairs?

HEAD/SPOUSE. 1
RELATIVE IN HOUSEHOLD. 2
NONRELATIVE IN HOUSEHOLD 3
RELATIVE NOT IN HOUSEHOLD. 4 65
FRIEND/NEIGHBOR. 5
HIRED LABOR/CONTRACTOR 6
OTHER (Specify) _____ 7

(h) How much did it cost to make these repairs, including labor and materials?

$ ☐,☐☐☐ (RECORD TO NEAREST DOLLAR.) 66-6

(i) IF NOT SERVICED OR REPAIRED IN LAST YEAR:
When was the last time you had the heating (or air conditioning) system serviced?

_____(MONTH) 19____ (YEAR) 70-7

e would next like to talk about the plumbing.

4(a) At any time in the last 90 days, has any sink or flush toilet backed-up or overflowed?

YES. 1
NO 2 74

4(b) Does the plumbing need repair?

YES. 1
NO **GO TO A4(d)** 2 75
DON'T KNOW **GO TO A4(d)** 8

4(c) What needs to be done?

_____ ☐☐ 76-
_____ ☐☐ 78-
_____ Blank

☐☐☐☐☐☐ 1-

4(d) During the past 12 months, was any work done to the plumbing in this house? Include all work even as minor as changing a washer on a faucet. 2 ☐☐ 8-

YES. 1
NO **GO TO A5(a)** 2 10
DON'T KNOW **GO TO A5(a)** 8

4(e) What was repaired or serviced?

_____ ☐☐ 11-
_____ ☐☐ 13-
_____ ☐☐ 15-

4(f) Who made most of these repairs:

HEAD/SPOUSE 1
RELATIVE IN HOUSEHOLD 2
NONRELATIVE IN HOUSEHOLD. 3
RELATIVE NOT IN HOUSEHOLD 4 17
FRIEND/NEIGHBOR 5
HIRED LABOR/CONTRACTOR. 6
OTHER (Specify) _____ 7

4(g) How much did it cost to make these repairs, including labor and materials?

$ ☐,☐☐☐ (RECORD TO NEAREST DOLLAR.) 18-

Next, we would like to talk about the electrical system in your house.

A5(a) Have any electrical fuses or breaker switches blown in this home in the last 90 days?

YES. 1 22
NO. 2

A5(b) Does the electrical system need repair?

YES. 1
NO **GO TO A5(d)** 2 23
DON'T KNOW **GO TO A5(d)** 8

A5(c) What needs to be done?

_____ 24-
_____ 26-
_____ 28-

A5(d) During the past 12 months, was any work done to the electrical system or wiring in this house? Include all work even as minor as fixing a light switch.

YES. 1
NO **GO TO A6(a)** 2 30
DON'T KNOW **GO TO A6(a)** 8

A5(e) What was repaired or serviced?

_____ 31-
_____ 33-
_____ 35-

A5(f) Who made most of these repairs:

HEAD/SPOUSE. 1
RELATIVE IN HOUSEHOLD. 2
NONRELATIVE IN HOUSEHOLD 3
RELATIVE NOT IN HOUSEHOLD. 4 37
FRIEND/NEIGHBOR. 5
HIRED LABOR/CONTRACTOR 6
OTHER (Specify) _____ 7

A5(g) How much did it cost to make these repairs, including labor and materials?

$ ☐,☐☐☐ (RECORD TO NEAREST DOLLAR.) 38-

ow, we would like to talk about other items inside your house.

6(a) Is there anything else on the inside of your house that needs repair?

YES. 1
NO **GO TO A6(c)** 2 42
DON'T KNOW **GO TO A6(c)** 8

6(b) What needs to be done?

_____ ☐☐ 43-
_____ ☐☐ 45-
_____ ☐☐ 47-

6(c) During the past 12 months, was any (other) work done to the inside of this house (apartment)? Include all work even as minor as replacing a bathroom wall tile.

YES. 1
NO **GO TO A6(g)** 2 49
DON'T KNOW **GO TO A6(g)** 8

6(d) What was repaired or serviced?

_____ ☐☐ 50-
_____ ☐☐ 52-
_____ ☐☐ 54-

6(e) Who made most of these repairs:

HEAD/SPOUSE. 1
RELATIVE IN HOUSEHOLD. 2
NONRELATIVE IN HOUSEHOLD 3
RELATIVE NOT IN HOUSEHOLD. 4 56
FRIEND/NEIGHBOR. 5
HIRED LABOR/CONTRACTOR 6
OTHER (Specify) _____ 7

6(f) How much did it cost to make these repairs, including labor and materials?

$ ☐,☐☐☐ (RECORD TO NEAREST DOLLAR.) 57-6

6(g) Is there anything in this house that you think is dangerous, such as faulty wiring or loose stairs?

YES. 1
NO **GO TO A7(a)** 2 61

IF YES, PROBE _____ ☐☐ 62-6
_____ ☐☐ 64-6
_____ ☐☐ 66-6

would now like to ask a few questions about the outside of your house.

(a) Do you feel that anything on the outside of your house needs repair?

YES. 1
NO **GO TO A7(c)** 2 68
DON'T KNOW **GO TO A7(c)** 8

(b) What needs to be done? 69-7
71-7
73-7
75-7
77-7

(c) During the past 12 months, was any work done to this property or to the outside of this house? Include all work even as minor as patching a screen or planting a shrub in the yard.

YES. 1
NO **GO TO A7(g)** 2 79
DON'T KNOW **GO TO A7(g)** 8

Blank 80
1-
3 7
8-
10-
12-

'(d) What was repaired or serviced?

'(e) Who made most of these repairs:

HEAD/SPOUSE 1
RELATIVE IN HOUSEHOLD. 2
NONRELATIVE IN HOUSEHOLD 3
RELATIVE NOT IN HOUSEHOLD. 4 14
FRIEND/NEIGHBOR. 5
HIRED LABOR/CONTRACTOR 6
OTHER (Specify) _____ 7

'(f) How much did it cost to make these repairs, including labor and materials?

$ ☐,☐☐☐ (RECORD TO NEAREST DOLLAR.) 15-

'(g) Do you have any water problems after it rains?

YES. 1
NO **GO TO A8**. 2 19

'(h) IF YES, What kinds of problems? _____ 20-
22-
24-

. IF ROOF NOT MENTIONED:

(a) When was the last time that you had work done on the roof?

19 ☐☐ 26-2

NEVER . . . . . .99..**SKIP TO A9**

(b) What kind of repair was done?

_____ ☐☐ 28-2

_____ ☐☐ 30-3

. Does this house need improvements to its security, such as locks?

YES. 1

NO 2 32

If YES: What Improvements? CIRCLE ALL THAT APPLY:

DOOR LOCKS. 1 33

WINDOW LOCKS. 1 34

OTHER (SPECIFY) 1 35

_____

_____

Now, talking about any (ALL) repairs made in the last 12 months,
(IF NO REPAIRS MADE, CHECK BOX AND **GO TO A13**) . . . . . ☐ 36

J. Who paid for most of the repairs made in the last 12 months?

HEAD/SPOUSE. 1

RELATIVE IN HOUSEHOLD. 2

NONRELATIVE IN HOUSEHOLD 3

RELATIVE NOT IN HOUSEHOLD. 4 37

FRIEND/NEIGHBOR. 5

OTHER (Specify) _____. 6

L. Did you borrow any money to pay for these repairs?

YES. 1

NO 2 38

DON'T KNOW 8

2(a) Are you satisfied with the repairs that were made?

YES **GO TO A13**. 1
NO 2 39
DON'T KNOW **GO TO A13** 8

2(b) IF NO:

Why are you dissatisfied?

_____ 40–4
_____ 42–4
_____ 44–4

3. Overall, of all the things that need repair, what do you think should be done first?

_____
_____ 46–4
_____

4. What repair needs should be done second?

_____ 48–4
_____ 50–5
_____

5. What is the main reason these repairs have not been made?

_____ 52–5
_____ 54–5
_____ 56–5

6. As of today, would you (or anyone currently living with you) be able to: READ ALL RESPONSES TO CLIENT: PROVIDE AN ANSWER FOR EACH OPTION.

	YES	NO	DON'T KNOW	
Change a lightbulb	1	2	8	58
Replace a blown fuse	1	2	8	59
Do painting inside the house	1	2	8	60
Replace a broken window	1	2	8	61
Rehang a lopsided door	1	2	8	62

PART B. INCOME INFORMATION

In order for this agency to perform repair services, or to refer you to other agencies that repair homes, we must ask you for income information.

B1. Do you receive any Social Security or Supplemental (SSI) payments?

	YES	NO		PER WEEK	PER MONTH	PER YEAR	
(a) Social Security	1	2	$ ☐,☐☐☐	1	2	3	63-
(b) SSI	1	2	$ ☐,☐☐☐	1	2	3	69-

B2. In the past 12 months, did you (or any other member of your family who lives with you) have any (other) income, such as interest, dividends, rental money from a boarder, wages, public assistance, or anything else?

IF NO, CHECK BOX ** GO TO B3**. . . . . ☐ 75

Blank 76-
☐☐☐☐☐☐ 1-
4 7

	YES (CODE ALL THAT APPLY)		PER WEEK	PER MONTH	PER YEAR	
(c) Interest, dividends . .	1	$ ☐,☐☐☐	1	2	3	8-
(d) Rental income from boarders	1	$ ☐,☐☐☐	1	2	3	14-
(e) Wages	1	$ ☐,☐☐☐	1	2	3	20-
(f) Public assistance . . .	1	$ ☐,☐☐☐	1	2	3	26-
(f.1) If public assistance, any part provided specifically for shelter and utilities?	1	$ ☐,☐☐☐	1	2	3	32-
(g) Pension/retirement fund.	1	$ ☐,☐☐☐	1	2	3	38-
(h) Any other kind of income; specify: _____ . .	1	$ ☐,☐☐☐	1	2	3	44-

B3. Then your total monthly income is: . . . . . $ ☐,☐☐☐ PER MONTH 50-

IF RESPONDENT'S INCOME IS OVER PROGRAM LIMIT, TERMINATE INTERVIEW.

PART C. HOUSING DATA

1. In what year did you move into this house?

19 ☐☐ 54-55

2. Do you own this house free and clear, or do you still make mortgage payments?

FREE AND CLEAR **GO TO C4**. 1
MORTGAGE PAYMENTS. 2 56

3. What are your monthly mortgage payments?

$ ☐☐☐ /MONTH 57-

3(a) Does this include property taxes?

YES **GO TO C4(a)**. 1
NO 2 60

4. What are your annual property taxes?

NET OF $ ☐,☐☐☐ /YEAR 61-

4(a) Do you receive a property tax abatement or refund?

YES. 1
NO 2 65

5. Do you make payments for homeowner's insurance?

YES. 1
YES - IN MORTGAGE PAYMENT - **GO TO C7** 2 66
NO **GO TO C7**. 3

6. What are your homeowner's insurance payments?

$ ☐☐☐ per MONTH. 1 67-6
YEAR 2 70
Blank 71-8
☐☐☐☐☐☐ 1-
$ 7

7. On the average, how much do you pay for utilities each month? Let's start with electricity? On the average, how much do you pay for electricity per month.

a. Electricity $ ☐☐☐ /MONTH 8-1
b. Natural gas $ ☐☐☐ /MONTH 11-1
c. Oil, kerosene, or wood $ ☐☐☐ /YEAR 14-1
d. Water and sewer charges $ ☐☐☐ /YEAR 17-1
e. Other municipal services $ ☐☐☐ /YEAR 20-2

PART D. FAMILY AND HEALTH

ow I'd like to ask a few questions about you and your family.

1(a) Are you currently married, separated, divorced, widowed, or have you ever been married?

Married and living with spouse **(GO TO D2(a)**	1	
Separated	2	
Divorced	3	23
Widowed	4	
Never married **(GO TO D2(a)**	5	

1(b) IF SEPARATED, DIVORCED, OR WIDOWED:

How many years have you been (separated, divorced, widowed)?

☐☐ YEARS 24-2

2(a) What is your current employment status?

Working for pay full or part time	1	
Unemployed or laid off	2	
Keeping house	3	26
Retired	4	
Disabled, unable to work	5	
OTHER (SPECIFY) _____	6	

2(b) IF MARRIED AND LIVING WITH SPOUSE
What is your spouse's current employment status?

Working for pay full or part time	1	
Unemployed or laid off	2	
Keeping house	3	
Retired	4	27
Disabled, unable to work	5	
OTHER (SPECIFY) _____	6	

3. What is the highest grade of school you completed?
COUNT COLLEGE, GRADUATE, AND VOCATIONAL SCHOOL YEARS.

Grade Completed (IN YEARS) ☐☐ 28-2

4. How many family members (sisters, brothers, sons, daughters) live in this community?

☐☐ MEMBERS 30-3

a) Do you and/or anyone living with you have difficulty getting around or into this house?

YES 1
NO **GO TO D6(a). 2

D5(b) IF YES, PROBE FOR DIFFICULTIES.

	HEAD		SPOUSE		OTHER	
	YES	NO	YES	NO	YES	NO
PROBLEMS GETTING INTO OR OUT OF HOUSE. . . .	1	2	1	2	1	2
PROBLEMS GETTING UP OR DOWN STAIRS	1	2	1	2	1	2
PROBLEMS GETTING IN OR OUT OF BATHTUB/ SHOWER.	1	2	1	2	1	2
OTHER (SPECIFY) _____ . . .	1	2	1	2	1	2

a) Do you or anyone living with you have any health problems which you consider serious now?

YES 1
NO **GO TO D7(a)**. 2

b) IF YES, What type of health problem is it?

_____ ☐☐
_____ ☐☐
_____

What activities or Senior Citizen programs have you taken part in?
PROBE WITH:

CIRCLE ALL THAT APPLY	YES	NO
Recreational activities for senior citizens?	1	2
Meal services	1	2
Visiting Nurse/Health Services?.	1	2
Transportation Services for senior citizens.	1	2
Anything else?	1	2

(SPECIFY) _____

THANK RESPONDENT AND TERMINATE INTERVIEW.

PART X: INTERVIEWER COMMENTS (To be completed after Interview)

Respondent's understanding of the questions was:

Excellent. 1
Good 2
Fair 3 55
Poor 4

Respondent's memory of repairs made in the last year was:

Excellent. 1
Good 2
Fair 3 56
Poor 4

Please assess the health status of the respondent:

Fully ambulatory; no evidence of physical disability 1
Some impairment of functioning evident (deafness, arthritis, use of cane, etc.) but can still function independently 2
Disability evident, requiring some outside assistance in the performance of daily tasks (needs help shopping, needs assistance in climbing stairs, etc.). 3 57
Major disability; requires assistance in all daily tasks (constant nursing, confined to bed, live-in companion, etc.) 4

Does the client use any of the following:
CIRCLE ALL THAT APPLY

	USE APPARENT	USE NOT APPARENT	
Glasses	1	2	58
Hearing Aid	1	2	59
Cane.	1	2	60
Crutches.	1	2	61
Walker.	1	2	62
Wheelchair.	1	2	63
Braces.	1	2	64
Other _____	1	2	65

Is the respondent:

	YES	NOT APPARENT	
(a) Functionally blind	1	2	66
(b) Functionally deaf.	1	2	67

Respondents Race:

White, except Hispanic	1
Black, except Hispanic	2
Hispanic	3
American Indian or Alaskan Native.	4
Asian or Pacific Islander.	5

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Please record any other comments or special instructions about this client you feel are important for the staff to know:

AME: _____

TREET: _____

ITY: _____

I.D.# __—2 __—__ __ __

INSPECTOR: _____

DATE: __ __—__ __—19 __ __

TIME IN: __ __ : __ __ a p

TIME OUT: __ __ : __ __ a p

ouse Inspection

Home Repair Demonstration for the Elderly

Unit Type
- Detached 1
- Row House 2
- Other 3

Exterior Surface
- Brick 1
- Wood 2
- Siding 3
- Masonry 4
- Asbestos 5
- Other: Specify: _____ 6
- Combination: Specify: _____ 7

Construction Type
- Wood Frame 1
- All Masonry 2

Garage?
- Yes 1
- No 2

5. Attic?
   - Yes 1
   - No 2
6. Basement?
   - Yes 1
   - No 2
7. Number of Stories: . . . . . ___
8. Number of Units: . . . . . ___
9. Number of Rooms (excl. baths) . . . ___
10. Number of Baths: . . . . . ___
11. Number of Bedrooms: . . . . . ___
12. Estimated Property Value . $ __ __ __,000
13. Estimated Year Built . . . . __ __ __ (year)

ent:

STRUCTION:- Describe repair in larger boxes. Code COST OF REPAIRS in small boxes
Note REPAIR CODES and MATERIAL/CONDITION.

REPAIR CODES:
* Hazardous
R Repair
+ Replace/Add
P Paint
W Weatherstrip

COST CODES:
✓ Satisfactory
1 Less than $100
2 $100 - $200
3 Over $300
- Not Applicable

	FRONT	SIDE(S)	REAR
Foundation			
Exterior Wall			
Exterior Door			
Exterior Window			
Porches, Steps, Stoop, Rails			
Other			

ROOF		STORM DOORS AND WINDOWS	All	Some	None	
Roof/Flashing Caulking		9. Storm Doors	1	2	3	
Gutters/Spouts		10. Storm Windows	1	2	3	

Comment:

Y OM	WALLS	CEILINGS	FLOORS	WINDOWS	DOORS	ELECTRICAL	OTHE
1							
2							
3							
4							
5							
6							
7							
8							
9							
	60-68	69-77	8-16	17-25	26-34	35-43	44-52

nt:

(78-80) blank

1-6

2 7

nts:

ROOM	21 DWV PIPING/ FITTING	22 HOT/COLD PIPING/ FITTING	23 FIXTURES
ITCHEN			
RST THROOM			
COND THROOM			
HER:			
MMENT:			

CIRCLE PRIMARY TYPE	AIR	HOT WATER	STEAM
OIL	1	5	9
GAS	2	6	10
ELECTRIC	3	7	11
OTHER	4	8	12

CENTRAL SYSTEM? YES 1
NO 2

31 PIPING OR DUCTS	32 EQUIPMENT
33 WATER HEATER TYPE: GAS . . . . . 1 OIL . . . . . 2 ELECTRIC . . . 3	

ELECTRICAL

MBER OF PANELS: . . . . . ___

PE OF PANEL:
FUSE BOX 1
CIRCUIT BREAKER 2

PACITY IN AMPS ___ ___ ___

PAIRS:

OTHER AREAS

	BASEMENT (CRAWL)	ATTIC (CRAWL)
61 MOISTURE		
62 TERMITES/ ANTS/ RODENTS		
63 STRUCTURE		

STAIRWAYS

	51 UPSTAIRS	52 BASEMENT STAIRS
EPS		
ILS		

nts:

INSULATION

	YES	NO	DK	
71 BASEMENT/ FLOOR	1	2	3	
72 ATTIC/ CEILING	1	2	3	
73 WALLS	1	2	3	

ent ID # [ ] [3] [| |]

Work Scheduled for: _____

Homeowners Name: _____

Starting Date: [| |]/[| |]/[| |]

Address: _____

Time Started: _____

_____ Zip Code: _____

Completion Date: [| |]/[| |]/[| |]

Telephone: _____

Time Completed: _____

Date of Order: _____

Total Time Required: _____

Description of Work:

_____ [ ]
_____ [| |]
_____

_____ [ ]
_____ [| |]
_____

Job Assigned to:	Labor Rates/Hr	Hours		Labor Cost	
		Estimate	Actual	Estimate	Actual
			Total Hours [	]	Total Labor Cost $[	]
			Total Hours [	]	Total Labor Cost $[	]

Materials & Special Tools Needed	Quantity	Unit Cost	Material Cost	
			Estimate	Actual
				Total Material Cost $[	]
				Total Material Cost $[	]

Total Labor Costs, All Repairs (This Page) _____ $[| |]

Total Material Costs, All Repairs (This Page) _____ $[| |]

Total Costs, All Repairs (Labor + Materials) $[| |]

Inspected By: _____ Date: _____

Client ID # ☐ 4☐ ☐☐☐

(Circle One)

Callback 1

Emergency Service 2

---

neowners Name: _____

lress: _____

_____ Zip Code: _____

ephone: _____

Date of Order: _____

Work Scheduled for: _____

Starting Date: ☐☐/☐☐/☐☐

Time Started: _____

Completion Date: ☐☐/☐☐/☐☐

Time Completed _____

Total Time Required: _____

EMERGENCY:

se of Emergency: _____

_____

_____

_____

_____

_____

IF CALLBACK: ☐

REASON FOR CALLBACK - Circle One

Defective Material 1

Original Workmanship Unsatisfactory. . 2

Original Work Incomplete 3

Owner's Failure to Maintain Properly. 4

Cause of Problem Uncertain 5

New Problem 6

Remarks: _____

_____

RIPTION OF PROBLEM: _____

_____

_____

CODE . . . . . ☐☐

RIPTION OF WORK: _____ ☐☐☐

_____

_____

COST: _____ Hrs X _____ (hourly rate) $ ☐,☐☐☐.00

IAL COST: . . . . . $ ☐,☐☐☐.00

. COST: . . . . . $ ☐,☐☐☐.00

INSPECTED BY: _____ DATE _____ ☐

HOMEOWNER ACCEPTANCE: ☐

I.D. [ ] [5][2] [ ][ ][ ]

OMB APPROVED #2528-0098 [1]

INTERVIEWER _____

DATE OF INTERVIEW [ ][ ] / [ ][ ] / [ ][ ]

HOME MAINTENANCE DEMONSTRATION FOR THE ELDERLY

(Contract HC-5254)

Participant Survey

GET THIS DATA FROM THE AGENCY FILES

HOUSEHOLD COMPOSITION

LIST ONLY BY RELATIONSHIP TO HEADS (e.g., SPOUSE, SISTER, ETC.)	SEX	AGE*	ASTERISK RESPONDENT	
HEAD:				[ ][ ][ ][ ] 1
				[ ][ ][ ][ ] 1
				[ ][ ][ ][ ] 2
				[ ][ ][ ][ ] 2
				[ ][ ][ ][ ] 3

*Add 2 years to Enrollment Form figures.

CIRCLE IF NOT SAME AS RESPONDENT TO ENROLLMENT INTERVIEW . . . 1 3

CIRCLE IF RESPONDENT DOES NOT LIVE IN HOUSE 1 3

(CUT ON LINE)

NAME: _____

STREET: _____

CITY: _____ START OF INTERVIEW: _____ (TIME)

STATE: _____ ZIP: _____ END OF INTERVIEW: _____ (TIME)

PHONE: _____ LENGTH OF INTERVIEW: _____ (MINUTES)

PRIVACY ACT ADVISORY STATEMENT

The Privacy Act requires that the following information be given to all persons interviewed in the course of this project.

The general authority to conduct this interview is provided by Public Law 91-609, Title V, Sections 501 and 502.

The purpose of this interview is to collect information from homeowners who have participated in the Elderly Home Maintenance Demonstration Program to obtain their evaluation of the services provided by the program, to learn what home repair needs were and were not met by the program, and to elicit their suggestions on how the program might be improved. The information will be used by Urban Systems Research & Engineering, Inc. to prepare a report to the Department of Housing and Urban Development on the program.

The information you provide will be kept totally confidential. Nothing you say will be revealed to (Name of Local Agency); neither will you or any other individuals be identified in our report to HUD.

Your participation is entirely voluntary and if you do agree to be interviewed you may choose not to answer specific questions. There is no penalty to you for not answering any or some of the questions. Although you are not required to participate, your consent and answers to questions would be much appreciated and would contribute significantly to the reliability of research findings.

Before talking about your participation in (NAME OF AGENCY)'s home maintenance and repair program, we are interested in how people feel about their neighborhoods and their homes in general.

1. Considering everything, what would you say about your neighborhood (community) as a place to live? Would you say it is an excellent place to live, good, fair or poor place to live?

EXCELLENT	1
GOOD	2
FAIR	3
POOR	4
DON'T KNOW	8

2. Now I'd like to ask you about your house as a place to live. In general how satisfied are you with your house as a place to live? Would you say that you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied with your house as a place to live?

VERY SATISFIED	1
SOMEWHAT SATISFIED	2
SOMEWHAT DISSATISFIED	3
VERY DISSATISFIED	4
DON'T KNOW	8

3. Overall, what would you say is the state of repair of your house right now? Is it in excellent, good, fair or poor condition?

EXCELLENT	1
GOOD	2
FAIR	3
POOR	4
DON'T KNOW	8

Now I'd like to ask you about the repairs which (NAME OF AGENCY) did on your house. According to my records, (NAME OF AGENCY) did the following work on your house. (ENTER REPAIRS MADE PRIOR TO INTERVIEW VISIT FROM WORK ORDERS, CALLBACKS, AND EMERGENCY FORMS)

Year 1: (1)_____

(2)_____

(3)_____

(4)_____

(5)_____

(6) _____

(7) _____

(8) _____

(9) _____

(10) _____

Year 2: (1) _____

(2) _____

(3) _____

(4) _____

(5) _____

(6) _____

(7) _____

(8) _____

(9) _____

(10) _____

4a. Does that seem correct to you?

YES.(SKIP TO 5a)	1	
NO	2	
DON'T KNOW.(SKIP TO 5a)	8	3

4b. If no, explain _____ 4

_____

_____

5a. Which do you think was the most important repair that was made?

_____ 4

5b. Why was this repair important to you?

_____ ☐☐ 4

_____ ☐☐ 46

_____

6a. Which do you think is the next most important repair that was made?

_____ ☐☐ 48

_____

6b. Why was this repair important to you?

_____ ☐☐ 50

_____ ☐☐ 52

_____

7a. How were the repairs that were done selected? Were:

-all the repairs suggested by yourself? (SKIP TO 8).....	1
-all the repairs suggested by (NAME OF AGENCY)(SKIP TO 8)	2
-a combination of repairs suggested by both yourself and (NAME OF AGENCY).....	3
DON'T KNOW (SKIP TO 8).....	8

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IF REPAIRS SUGGESTED BY CLIENT AND AGENCY:

7b. Was the combination of repairs done the result of <u>total</u> agreement between yourself and (NAME OF AGENCY) or a <u>compromise</u> agreement?

TOTAL AGREEMENT	1
COMPROMISE AGREEMENT	2
OTHER (Specify _____)	3
DON'T KNOW	8

55

8a. Overall, were you satisfied or dissatisfied with the repairs that were made?

SATISFIED (SKIP TO 9a).....	1
DISSATISFIED.....	2
DON'T KNOW (SKIP TO 9a).....	8

56

IF DISSATISFIED IN Q. 8a

8b. Why weren't you satisfied with the repairs?

POOR WORKMANSHIP	1	
REPAIRS INCOMPLETE OR BEHIND SCHEDULE	2	
OTHER (SPECIFY) _____	3	5

9a. Other than the repairs made by (NAME OF AGENCY) in the first and second years, did you ever call the agency to fix work that wasn't done properly, for emergencies, or for any other additional repairs?

YES	1	5
NO (SKIP TO 10)	2	

IF YES IN Q. 9a

9b. What was the reason why you called? (CIRCLE ALL THAT APPLY)

EMERGENCY REPAIR(S)	1	5
CALLBACK (POOR WORKMANSHIP)	1	6
ADDITIONAL WORK	1	6
OTHER (SPECIFY) _____	1	6

9c. Did the agency send someone to your home within 48 hours of your call?

YES	1	
VISITED BUT NOT PROMPTLY (More than 48 hours)	2	
DID NOT VISIT AT ALL	3	6
DON'T KNOW	8	

10. If you had to pay for the repairs that (NAME OF AGENCY) did for you in the past two years, how much do you think it would have cost? Would you say.....?

Less than $100	1	
$100-250	2	
$250-500	3	6
$500-1,000	4	
Over $1,000	5	
DON'T KNOW	8	

11a. If you were not participating in this program, would you have had all the repairs done anyway, some of the repairs, or none of the repairs?

ALL (SKIP TO 11b)	1	
SOME (SKIP TO 11c)	2	
NONE (SKIP to 11e)	3	6
DON'T KNOW (SKIP to 12a)	8	

11b. Who would do these repairs? (CIRCLE ALL THAT APPLY)

	YES	NO	
Self/spouse	1	2	6
Friend or relative living in house	1	2	6
Friend or relative not living in house	1	2	6
Private contractor	1	2	6
Other (SPECIFY)_____	1	2	7

SKIP TO 12a.

11c. Which repairs would you have made anyway?

_____ ☐☐ 7

_____ ☐☐ 7

_____ ☐☐ 7

_____ ☐☐ 7

I.D. ☐ 5 2 ☐☐☐ 1 7

2

11d. Who would do these repairs? (CIRCLE ALL THAT APPLY)

	YES	NO	
Self/spouse	1	2	8
Friend or relative living in house	1	2	9
Friend or relative not living in house	1	2	1
Private contractor	1	2	1
Other (SPECIFY)_____	1	2	1

11e. Why would you not do some or all of the repairs? (CIRCLE ALL THAT APPLY)

	Yes	No	
LACK OF FINANCIAL RESOURCES	1	2	1
INABILITY TO FIND SOMEONE TO DO THE WORK	1	2	1
REPAIR NOT IMPORTANT OR NECESSARY	1	2	1
UNABLE DUE TO HEALTH PROBLEMS	1	2	1
OTHER (SPECIFY) _____	1	2	1

11f. (IF MORE THAN ONE IS INDICATED): Which reason is the most important?

LACK OF FINANCIAL RESOURCES	1
INABILITY TO FIND SOMEONE TO DO THE WORK	2
REPAIR NOT IMPORTANT OR NECESSARY	3
UNABLE DUE TO HEALTH PROBLEMS	4
OTHER (SPECIFY) _____	5

12a. Have you ever had difficulties trying to get repairs made on your house by private contractors?

YES	1
NO (SKIP TO 13)	2

IF YES IN Q. 12a, ASK Q. 12b & c

12b. For what kinds of repairs did you have problems getting contractors? (CIRCLE ALL THAT APPLY)

Repair Type	12b. Problem	12c. Type of Problem (USE KEY BELOW)	
Interior Repairs	1	☐	20-21
Exterior Repairs	1	☐	22-23
Plumbing Repairs	1	☐	24-25
Roof/Gutter Repairs	1	☐	26-27
Electrical Repairs	1	☐	28-29
Heating/AC Repairs	1	☐	30-31
Other _____	1	☐	32-33

12c. (FOR EACH TYPE OF REPAIR WITH PROBLEM) What kinds of problems have you encountered with (TYPE OF REPAIR)? (ENTER RESPONSES IN DATA GRID ABOVE)

KEY

JOBS WERE TOO SMALL FOR CONTRACTORS	1
QUALIFIED CONTRACTORS NOT AVAILABLE	2
DON'T KNOW HOW TO LOCATE CONTRACTORS	3
MISTRUST ALL CONTRACTORS	4
CONTRACTORS TOO EXPENSIVE	5
OTHER _____	6

13a. Since joining this program, have you had repairs done to your home that the Elderly Home Repair Program did not do?

YES..... 1
NO (SKIP TO 14a)..... 2
DON'T KNOW (SKIP TO 14a)..... 8

IF YES IN Q. 13a, ASK 13b and c

13b. What types of repairs were done? (CIRCLE ALL THAT APPLY)

Repair Type	13b Repairs Made Yes	13c Cost of Repair (USE KEY BELOW)	
Interior Repairs.....	1	☐	35-36
Exterior Repairs.....	1	☐	37-38
Plumbing Repairs.....	1	☐	39-40
Roof/Gutter Repairs.....	1	☐	41-42
Electrical Repairs.....	1	☐	43-44
Heating/AC Repairs.....	1	☐	45-46
Other _____.....	1	☐	47-48

13c. (FOR EACH TYPE OF REPAIR THAT WAS MADE) How much did you spend? or (TYPE OF REPAIR)? (ENTER REPSONSES IN DATA GRID ABOVE)

KEY

$0..... 1
$1-100..... 2
$101-250..... 3
$251-500..... 4
$501-1,000..... 5
$1,001 or more..... 6
DON'T KNOW..... 8

14a. Did (NAME OF AGENCY) offer you any other services that the agency provides, besides the Elderly Home Repair Program?

YES..... 1
NO (SKIP TO 15a)..... 2
DON'T KNOW (SKIP TO 15a)..... 8

IF YES IN Q. 14a, ASK Q. 14b and c

14b. What kind of services did they offer? (CIRCLE ALL THAT APPLY)

	14b. Referral Made Yes		14c. Received? Yes	
Mod/Major Rehab	1	.....	1	50-51
Weatherization	1	.....	1	52-53
Housing Counseling	1	.....	1	54-55
Other Housing Assistance (SPECIFY) _____	1	.....	1	56-57
Social Service Referrals	1	.....	1	58-59
Other (SPECIFY)_____	1	.....	1	60-61
Other (SPECIFY)_____	1	.....	1	62-63

14c. (FOR EACH REFERRAL) Did you actually receive any of these services? (ENTER RESPONSES IN DATA GRID ABOVE)

15a. Did (NAME OF AGENCY) refer you to any other programs available in the local area since you have enrolled in the Elderly Home Repair Program?

YES 1
NO (SKIP TO 16) 2
DON'T KNOW (SKIP TO 16) 8

IF YES IN Q. 15a, ASK Q. 15b and c

15b. To what kinds of Programs did they refer you? (CIRCLE ALL THAT APPLY)

	15b Referral Made Yes		15c Received Yes	
Mod/Major Rehab	1	.....	1	65-66
Weatherization	1	.....	1	67-68
Fuel Assistance	1	.....	1	69-70
Tax Abatement	1	.....	1	71-72
Housing Counseling	1	.....	1	73-74
Other Housing Assistance (SPECIFY) _____	1	.....	1	75-76
Other (SPECIFY)_____	1	.....	1	77-78

15c. (FOR EACH REFERRAL) Did you actually receive assistance from any of these programs? (ENTER RESPONSERS IN DATA GRID ABOVE)

I.D. [ ] [5] [2] [ ] [ ] [ ]

[3]

16. Sometimes households need to look for new places to live, for one reason or another. How important is it to you to keep living in this house?

Extremely important	1
Somewhat important	2
Not very important, would consider moving	3
Not important, has strong desire to move	4

17. Do you consider the problem of keeping up with maintenance and repairs on your home a major problem for you, a minor problem, or not a problem?

MAJOR	1
MINOR	2
NOT A PROBLEM	3
DON'T KNOW	8

17a. Has this maintenance and repair program affected your ability to remain in this house?

YES	1
NO (SKIP TO 18)	2
DON'T KNOW (SKIP TO 18)	8

IF YES IN Q. 17a, ASK Q. 17b

17b. Why? _____

_____ [ ] [ ]

18. I am going to read you a list of problems that some elderly people have in trying to retain their homes. Please tell me if any of these are problems for you, or if there is some other problem that causes you difficulty.

	Yes	No
Problems of security and neighborhood crime	1	2
Health problems that making living in the house difficult	1	2
Problems maintaining and repairing the house	1	2
Problems keeping up with housing costs such as fuel, utilities, taxes, and so on	1	2
Problems keeping the house clean	1	2
A problem not mentioned above (SPECIFY)_____	1	2

IF NO PROBLEMS IN Q. 18, SKIP TO Q. 20

IF NO PROBLEMS IN Q. 18, SKIP TO Q. 20

19. Which of these do you consider the biggest problem?

Problems of security	1
Health problems that make living in the house difficult	2
Problems maintaning and repairing the house	3
Problems keeping up with housing costs such as fuel, utilities, taxes, and so on	4
Problems keeping the house clean	5
A problem not mentioned above (SPECIFY)_____	6

20. Does your home still need additional repairs?

YES	1
NO (SKIP to 24)	2

IF YES, ASK Q. 21, 22 and 23

21. What minor repairs does your house still need most? (CIRCLE ALL THAT APPLY)

ROOF REPAIR	1
INSULATION/WEATHERIZATION REPAIR	1
HEATING/COOLING SYSTEM REPAIR	1
PLUMBING REPAIR	1
ELECTRICAL REPAIR	1
FOUNDATION, WATERPROOFING REPAIR	1
WINDOW REPAIR	1
INTERIOR OR EXTERIOR PAINTING	1
OTHER INTERIOR REPAIR (DOORS, WALLS, FLOORS, ETC.)	1
OTHER EXTERIOR REPAIR (PORCHES, GUTTERS, ETC.)	1
SAFETY-RELATED REPAIR (HANDRAILS, GRAB BARS, FIRE ALARMS, ETC.)	1
SECURITY-RELATED REPAIR (LOCKS, ETC.)	1
ACCESSIBILITY-RELARED REPAIR (RAMPS, REPAIRED ENTRANCE STEPS, ETC.)	1
OTHER (SPECIFY)	1
DON'T KNOW	1

22. How much do you think it would cost to do all the minor repairs your house needs? Would you say:

Less than $200	1
$200-500	2
$500-1,000	3
$1,000-3,000	4
More than $3,000	5
DON'T KNOW	8

23. One kind of program that is used to help elderly homeowners make larger types of repairs on their homes is a Deferred Loan Program. In a deferred loan program a homeowner receives a loan at a low-rate of interest to make needed repairs. The homeowner is not required to make any payments on the loan as long as he/she lives in the house. When the house is transferred to a new owner, the loan amount, plus accumulated interest, is repaid in full. If you were offered the opportunity to participate in a Deferred Loan Program, would you be interested in participating?

YES	1
NO	2
DON'T KNOW	8

24. This program has been part of a home maintenance experiment. If the experiment were repeated, with a membership fee of $10, would you consider participating again?

YES (SKIP TO 26)	1
NO	2
DON'T KNOW (SKIP TO 26)	8

25. Why would you not participate in the program?

DISSATISFIED WITH REPAIRS MADE IN PROGRAM	1
NO NEED; ALL REPAIRS TAKEN CARE OF	2
TOO MUCH INTRUSION INTO HOME	3
OTHER (SPECIFY)_____	4

SKIP TO 27a

26. If the program experiment had asked you to contribute $40 per year to have the repairs done, would you still have participated in the program?

YES	1
NO	2
DON'T KNOW	8

27a. If you could choose to participate in a repair program similar to (NAME OF AGENCY's), would you prefer:

One which provided free materials but let you do the work?	1
One which provided free labor, if you purchased the materials?	2
Or one which provided both labor and materials but at a higher cost than either of the first two options?	3
NONE	4
OTHER (SPECIFY)_____	5

27b. Why _____ ☐☐

_____

28. Overall, if you were to advise a friend of yours about participating in the (NAME OF AGENCY) program, would you strongly recommend it, mildly recommend it, or not recommend it at all?

STRONGLY RECOMMEND	1
MILDLY RECOMMEND	2
NOT RECOMMEND	3
DON'T KNOW	8

29. To help us evaluate the effectiveness of this program, we would like to know your approximate monthly household income, from all sources. Please look at this card, and tell us the number which best describes your household income each month. Your answer to this question, like all others, will be kept confidential. (SHOW CARD)

Less than $200	1
$200-400	2
$400-600	3
$600-800	4
$800-1,000	5
$1,000-1,200	6
$1,200-1,400	7
$1,400-1,600	8
Over $1,600	9

30a. Do you (RESPONDENT) have any health problems you consider serious now?

YES	1
NO (SKIP TO 31)	2

IF YES IN Q. 30a, ASK Q. 30b

30b. What type of health problem is it?

_____ ☐☐

_____ ☐☐

_____ ☐☐

31a. Does [SPOUSE] or other family member in this household have any health problems you consider serious now?

YES..... 1
NO (SKIP TO 32)..... 2

IF YES IN Q. 31a, ASK Q. 31b

31b. What type of health problem is it?

_____ ☐☐

_____ ☐☐

_____ ☐☐

32. Can you provide us with any suggestions as to how this program might be improved?

_____

_____

_____ ☐☐

_____

_____ ☐☐

_____ ☐☐

_____

_____

_____

PART X: INTERVIEW COMMENTS (To be completed after Interview)

X1. Respondent's understanding of the questions was:

EXCELLENT	1
GOOD	2
FAIR	3
POOR	4

X2. Respondent's memory of repairs made in the last two years was:

EXCELLENT	1
GOOD	2
FAIR	3
POOR	4

X3. Please assess the health status of the elderly homeowner:

Fully ambulatory; no evidence of physical disability	1
Some impairment of functioning evident (deafness, arthritis, use of cane, etc.) but can still function independently	2
Disability evident, requiring some outside assistance in the performance of daily tasks (needs help shopping, needs assistance in climbing stairs, etc.)	3
Major disability; requires assistance in all daily tasks (constant nursing, confined to bed, live-in companion, etc.)	4

X4. Does the client use any of the following:
CIRCLE ALL THAT APPLY

	USE APPARENT	USE NOT APPARENT
Glasses	1	2
Hearing Aid	1	2
Cane	1	2
Crutches	1	2
Walker	1	2
Wheelchair	1	2
Braces	1	2
Other (Specify)_____	1	2

X5. Is the respondent:

	YES	NOT APPARENT
(a) Functionally blind	1	2
(b) Functionally deaf	1	2

X6. Interviewer comments:

Appendix F

Cost Level of Client Home Repair Needs by Repair Type

for:

- Cincinnati
- Cleveland
- Boston
- Greensboro
- Hot Springs
- Philadelphia
- San Francisco

Exhibit F-1

Cost Level of Client Home Repair Needs
by Repair Type; Cincinnati

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
xterior Repairs	36.1	0.64	3.3	0.03	12.3	0.26
oor Repairs including locks)	29.5	0.37	1.6	0.02	--	--
orch Repairs	41.8	0.52	6.6	0.07	8.2	0.10
oof Repairs	68.9	1.08	0.8	0.01	4.9	0.06
indow Repairs	56.6	1.63	0.8	0.02	0.8	0.02
eatherization Repairs	18.0	0.18	--	--	2.5	0.02
nterior Repairs	54.1	1.88	5.7	0.20	2.5	0.13
itchen Plumbing Repairs	63.9	0.95	0.8	0.01	3.3	0.03

Exhibit F-1

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	60.7	0.88	--	--	0.8	0.01
Electrical Repairs	27.9	0.46	1.6	0.05	4.9	0.20
Stairway Repairs	7.4	0.09	--	--	--	--
Heating Repairs	8.2	0.09	0.8	0.01	--	--
Structural Repairs	1.6	0.02	--	--	0.8	0.01
Other Repairs	32.8	0.36	--	--	4.9	0.05
All Repair Needs	--	9.15	--	0.42	--	0.89

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit F-2

Cost Level of Client Home Repair Needs
by Repair Type; Cleveland

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
xterior Repairs	14.8	0.21	5.9	0.10	9.6	0.26
oor Repairs including locks)	44.4	0.73	3.0	0.03	--	--
orch Repairs	31.1	0.38	17.0	0.18	11.1	0.12
oof Repairs	21.5	0.23	4.4	0.04	8.1	0.09
indow Repairs	61.5	2.14	1.5	0.03	--	--
satherization Repairs	19.1	0.19	0.7	0.01	2.2	0.02
nterior Repairs	70.4	2.40	10.4	0.12	2.2	0.03
.tchen Plumbing Repairs	21.5	0.25	1.5	0.02	--	--

Exhibit F-2

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	28.1	0.40	0.7	0.01	--	--
Electrical Repairs	40.0	0.71	1.5	0.01	0.7	0.01
Stairway Repairs	39.3	0.57	1.5	0.01	--	--
Heating Repairs	10.4	0.13	--	--	--	--
Structural Repairs	0.7	0.01	1.5	0.01	1.5	0.01
Other Repairs	1.5	0.01	4.4	0.04	5.9	0.07
All Repair Needs	--	7.98	--	0.61	--	0.61

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit F-3

Cost Level of Client Home Repair Needs
by Repair Type: Boston

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Exterior Repairs	23.1	0.36	5.0	0.06	5.0	0.07
Door Repairs (including locks)	34.7	0.48	1.7	0.02	--	--
Porch Repairs	28.1	0.35	14.0	0.16	13.2	0.13
Roof Repairs	26.4	0.29	13.2	0.14	13.2	0.14
Window Repairs	63.6	2.08	--	--	--	--
Weatherization Repairs	8.9	0.09	8.9	0.09	31.5	0.31
Interior Repairs	55.4	1.53	17.4	0.27	2.5	0.04
Kitchen Plumbing Repairs	21.5	0.25	--	--	--	--

Exhibit F-3

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	23.1	0.24	3.3	0.03	0.8	0.01
Electrical Repairs	28.1	0.46	0.8	0.02	2.5	0.02
Stairway Repairs	15.7	0.21	2.5	0.02	0.8	0.02
Heating Repairs	12.5	0.02	0.8	0.01	0.8	0.01
Structural Repairs	11.6	0.11	0.8	0.01	--	--
Other Repairs	1.7	0.02	3.3	0.03	6.6	0.06
All Repair Needs	--	6.49	--	0.86	--	0.81

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit F-4

Cost Level of Client Home Repair Needs
by Repair Type; Greensboro

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Exterior Repairs	24.0	0.35	4.8	0.10	2.7	0.10
Door Repairs (including locks)	88.4	1.68	--	--	--	--
Porch Repairs	36.3	0.43	4.1	0.05	--	--
Roof Repairs	14.4	0.17	4.1	0.05	1.4	0.01
Window Repairs	77.4	3.22	1.4	0.03	--	--
Weatherization Repairs	44.9	0.45	2.7	0.03	--	--
Interior Repairs	91.1	3.16	16.4	0.20	2.7	0.04
Kitchen Plumbing Repairs	52.7	0.70	0.7	0.01	--	--

Exhibit F-4

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	62.3	0.85	1.4	0.01	--	--
Electrical Repairs	17.1	0.26	1.4	0.01	--	--
Stairway Repairs	5.5	0.07	0.7	0.01	--	--
Heating Repairs	3.4	0.03	0.7	0.01	--	--
Structural Repairs	0.7	0.01	0.7	0.01	2.1	0.02
Other Repairs	5.5	0.05	1.4	0.01	1.4	0.02
All Repair Needs	--	11.43	--	0.53	--	0.19

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit F-5

Cost Level of Client Home Repair Needs
by Repair Type: Hot Springs

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
xterior Repairs	5.1	0.07	8.5	0.18	5.1	0.11
oor Repairs including locks)	60.7	0.94	2.6	0.03	0.9	0.01
orch Repairs	29.9	0.34	6.8	0.07	6.8	0.07
oof Repairs	9.4	0.09	2.6	0.02	3.4	0.03
indow Repairs	35.9	0.79	5.1	0.07	2.6	0.04
eatherization Repairs	0.8	0.01	--	--	--	--
nterior Repairs	50.4	1.34	12.8	0.20	4.8	0.08
itchen Plumbing Repairs	45.3	0.53	1.7	0.02	2.6	0.05

Exhibit F-5

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	41.0	0.49	0.9	0.01	2.6	0.06
Electrical Repairs	27.4	0.41	5.1	0.07	--	--
Stairway Repairs	--	--	--	--	--	--
Heating Repairs	1.7	0.02	--	--	--	--
Structural Repairs	--	--	0.9	0.01	0.9	0.02
Other Repairs	0.9	0.01	1.7	0.02	1.7	0.02
All Repair Needs	--	5.04	--	0.70	--	0.49

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit F-6

Cost Level of Client Home Repair Needs
by Repair Type; Philadelphia

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Exterior Repairs	14.9	0.15	8.3	0.12	13.2	0.15
Door Repairs (including locks)	56.2	0.75	6.6	0.07	1.7	0.02
Porch Repairs	19.8	0.22	6.6	0.07	2.5	0.04
Roof Repairs	16.5	0.16	5.8	0.07	8.3	0.11
Window Repairs	71.9	1.94	5.0	0.05	3.3	0.04
Weatherization Repairs	10.6	0.11	2.4	0.02	3.3	0.03
Interior Repairs	82.6	2.89	9.1	0.15	5.0	0.07
Kitchen Plumbing Repairs	24.8	0.33	0.8	0.01	0.8	0.01

Exhibit F-6

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	44.6	0.54	1.7	0.02	0.8	0.01
Electrical Repairs	33.1	0.56	--	--	2.5	0.03
Stairway Repairs	48.8	0.69	--	--	0.8	0.01
Heating Repairs	0.8	0.01	0.8	0.01	0.8	0.01
Structural Repairs	--	--	--	--	0.8	0.01
Other Repairs	3.3	0.03	0.8	0.01	0.8	0.01
All Repair Needs	--	8.38	--	0.60	--	0.55

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Exhibit F-7

Cost Level of Client Home Repair Needs
by Repair Type; San Francisco

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
xterior Repairs	19.3	0.28	20.0	0.27	43.7	1.04
oor Repairs including locks)	49.6	0.73	40.7	0.48	28.1	0.37
orch Repairs	11.9	0.13	15.6	0.18	28.9	0.35
oof Repairs	19.3	0.22	8.9	0.09	29.6	0.41
indow Repairs	71.1	2.32	45.9	0.85	27.4	0.67
eatherization Repairs	--	--	3.0	0.03	56.3	0.56
nterior Repairs	74.1	6.15	51.1	1.75	44.4	0.87
itchen Plumbing Repairs	34.8	0.44	24.4	0.33	34.8	0.66

Exhibit F-7

(continued)

Repair Type Needed	Less than $100		$100 to $300		More than $300	
	% of homes	mean repairs/ home	% of homes	mean repairs home	% of homes	mean repairs/ home
Bathroom Plumbing Repairs	28.9	0.38	20.0	0.30	34.8	0.64
Electrical Repairs	71.1	1.84	51.9	1.30	38.5	0.47
Stairway Repairs	20.7	0.27	11.1	0.12	8.9	0.13
Heating Repairs	31.1	0.41	22.2	0.29	17.0	0.21
Structural Repairs	0.7	0.01	0.7	0.01	11.1	0.12
Other Repairs	2.2	0.02	5.2	0.05	9.6	0.15
All Repair Needs	--	13.20	--	6.05	--	6.65

Source: Elderly Home Maintenance Demonstration Inspection Forms, Year One, 1980-81.

Appendix G

Supplemental Exhibits for Section 6.2,
Determinants of Housing Condition

- OLS Regression Coefficients Explaining Total Number of Needed Repairs

- OLS Regression Coefficients Explaining Total Number of Needed Repairs Costing More Than $300

- OLS Regression Coefficients Explaining Number of Needed Repairs Costing $100 to $300

- OLS Regression Coefficients Explaining Total Number of Needed Repairs Costing Less Than $100

- Mean Value of Variables in Repair Regressions

- Mean Value of Variables in Value of House Regressions

- Regression Coefficients Explaining Value of House (VALUE)

- Regression Variables

Table G-1

OLS Regression Coefficients Explaining
Total Number of Needed Repairs
(Standard Errors in Parantheses)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
COME	0.00+ (0.00+)	0.00+ (0.00+)	0.00+ (0.00+)	0.00- (0.00+)	0.01 (0.00+)	0.00- (0.00+)	0.00- (0.00+)
LATIVE HOUSING XPENDITURES	18.4* (6.6)	-2.3 (5.1)	1.1 (3.1)	-4.0 (3.7)	1.8 (5.4)	-0.8 (3.6)	1.1 (5.4)
RRIED	-2.8 (2.0)	-5.1* (2.2)	-2.2 (2.2)	2.5 (2.6)	-2.5 (3.5)	-2.5** (1.5)	1.8 (8.6)
E	-0.19 (0.1)	0.00+ (0.1)	-0.05 (0.1)	0.14 (0.1)	-0.33* (0.1)	-0.07 (0.1)	0.15 (0.3)
X	-0.3 (1.9)	-2.1 (1.8)	-1.0 (1.8)	2.6 (2.4)	-2.8 (3.3)	-0.3 (1.5)	6.1 (8.4)
USEHOLD SIZE	1.72** (1.0)	1.06 (1.0)	-0.59 (1.2)	0.94 (1.4)	-0.12 (4.4)	0.61 (0.9)	8.3* (2.2)
AR MOVED IN	-0.05 (0.05)	0.00+ (0.1)	-0.04 (0.03)	0.00+ (0.05)	-0.10** (0.1)	-0.08 (0.05)	0.07 (0.2)
UCATION	-0.54** (0.3)	0.09 (0.3)	-0.30 (0.2)	0.00+ (0.2)	0.21 (0.3)	-0.04 (0.2)	-1.43 (0.5)

Table G-1

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
MOBILITY PROBLEMS	1.9 (1.7)	3.2** (1.6)	0.2 (1.4)	0.3 (1.4)	2.1 (2.1)	0.00- (1.2)	5.9 (3.8)
HEALTH PROBLEMS	-2.5 (1.6)	-0.4 (1.7)	3.4* (1.4)	-0.2 (1.3)	-1.2 (2.1)	-1.5 (1.1)	-8.6* (4.2)
BLIND	-0.5 (3.8)	0.8 (4.3)	--	0.6 (2.9)	--	1.7 (2.3)	-3.5 (9.6)
DEAF	-30.7* (14.5)	7.2 (6.8)	-3.1 (2.5)	2.1 (4.5)	9.5* (4.7)	-5.0 (4.2)	-10.3 (16.0)
HEALTH AID	-0.9 (2.8)	-1.2 (2.4)	-4.9* (2.0)	3.4 (2.6)	5.8* (2.6)	-0.2 (1.2)	-0.3 (6.0)
RELATIVES	0.23 (0.3)	0.44* (0.2)	-0.09 (0.4)	0.04 (0.3)	-0.06 (0.2)	0.57** (0.3)	-0.72 (0.9)
BLACK	--	4.0 (2.9)	2.3 (2.4)	0.1 (1.6)	1.4 (2.1)	-1.3 (1.2)	3.2 (4.3)
HISPANIC	--	6.7 (5.6)	-3.7 (7.1)	--	--	--	-2.0 (7.6)

Table G-1

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
ROOMS	1.29* (0.5)	1.25* (0.2)	-0.07 (0.3)	1.11** (0.6)	-0.71 (0.7)	1.89* (0.4)	-0.34 (1.6)
YEAR BUILT	0.04 (0.05)	-0.18* (0.1)	0.00- (0.02)	0.01 (0.04)	-0.06 (0.1)	-0.04** (0.02)	-0.41* (0.1)
UNIT TYPE	--	-0.5 (2.2)	-0.6 (2.1)	--	--	0.2 (2.6)	1.5 (5.1)
CONSTRUCTION TYPE	-0.5 (2.2)	5.3 (8.5)	0.6 (3.8)	-3.0 (2.8)	-9.4** (4.8)	8.9** (5.0)	--
NUMBER OF UNITS	-1.67 (2.0)	0.58 (1.3)	-0.92 (0.9)	-7.32 (6.4)	--	4.92* (1.6)	-1.04 (3.8)
PANEL TYPE	0.2 (1.3)	0.00+ (1.6)	-0.8 (1.1)	0.01 (1.3)	-1.2 (2.3)	1.8** (1.0)	8.2* (3.5)
NUMBER OF STORIES	-0.09 (2.2)	1.75 (2.0)	0.47 (1.5)	-2.89 (2.6)	0.15 (4.7)	-2.11 (1.6)	-2.19 (5.4)
SURFACE BRICK	-3.8 (2.7)	-8.0 (7.4)	2.2 (4.0)	1.0 (3.5)	5.4 (3.7)	-8.7 (7.0)	52.0* (19.8)

Table G-1

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
SURFACE SIDING	-3.0 (2.1)	1.4 (2.5)	4.0* (1.7)	-2.7 (2.0)	2.8 (2.7)	--	14.9 (10.3)
SURFACE MASONRY	-4.6 (6.8)	-4.5 (10.6)	1.0 (5.8)	8.6 (5.7)	8.9 (7.4)	-8.4 (7.4)	--
SURFACE ASBESTOS	-2.1 (3.2)	-2.6 (3.3)	4.4* (1.5)	-1.5 (2.1)	3.4 (2.3)	1.3 (6.3)	29.5* (11.6)
SURFACE OTHER	-2.9 (2.4)	-0.9 (3.9)	1.2 (1.9)	2.1 (2.2)	0.4 (2.5)	-5.2 (6.2)	17.3* (8.1)
R^2	0.47	0.52	0.31	0.22	0.68	0.57	0.45
R^2 (Adjusted)	0.30	0.32	0.08	-0.01	0.38	0.35	0.24
Standard Error of Regression	6.0	6.3	5.1	6.0	4.8	3.6	14.8
Sample Size	104	100	110	114	50	78	96

*Significance Level $\leq$ 0.05.

**0.05 < Significance Level $\leq$ 0.10.

Source: USR&E Inspection and Enrollment Files.

Table G-2

OLS Regression Coefficients Explaining
Total Number of Needed Repairs Costing More Than $300
(Standard Errors in Parantheses)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
INCOME	0.00- (0.00+)	0.00- (0.00+)	0.00- (0.00+)	0.00+ (0.00+)	0.00+* (0.00+)	0.00- (0.00+)	0.00- (0.00+)
RELATIVE HOUSING EXPENDITURES	4.3* (1.8)	0.7 (0.8)	0.7 (0.7)	0.1 (0.3)	1.7 (2.1)	0.2 (0.9)	0.7 (2.0)
MARRIED	-0.3 (0.5)	-0.6** (0.3)	0.1 (0.5)	0.1 (0.2)	-1.4 (1.3)	0.2 (0.4)	-0.9 (3.2)
AGE	0.00- (0.03)	-0.02 (0.02)	-0.01 (0.02)	-0.01 (0.01)	-0.05 (0.05)	0.01 (0.02)	-0.04 (0.1)
SEX	-0.5 (0.5)	-0.2 (0.3)	-0.6 (0.4)	-0.04 (0.2)	-0.5 (1.3)	0.5 (0.4)	0.8 (3.1)
HOUSEHOLD SIZE	0.78* (0.3)	0.24 (0.2)	-0.1 (0.3)	-0.05 (0.1)	-0.05 (1.7)	0.90 (0.2)	3.57* (0.8)
YEAR MOVED IN	0.00- (0.01)	0.00+ (0.01)	0.00+ (0.00+)	0.00+ (0.00+)	-0.03 (0.02)	-0.01 (0.01)	0.00+ (0.1)
EDUCATION	-0.11 (0.1)	0.02 (0.04)	-0.07 (0.05)	-0.01 (0.02)	-0.17 (0.1)	-0.02 (0.04)	-0.08 (0.2)

Table G-2

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
MOBILITY PROBLEMS	0.5 (0.4)	0.4** (0.3)	0.2 (0.3)	-0.3* (0.1)	-0.4 (0.8)	0.2 (0.3)	1.3 (1.4)
HEALTH PROBLEMS	-0.7** (0.4)	0.3 (0.3)	-0.4 (0.3)	-0.02 (0.1)	-0.9 (0.8)	-0.2 (0.3)	-3.0** (1.6)
BLIND	-1.2 (1.0)	0.5 (0.7)	--	-0.3 (0.3)	--	0.7 (0.6)	1.5 (3.6)
DEAF	-6.9** (3.9)	2.2** (1.1)	0.9 (0.6)	0.1 (0.4)	5.1* (1.8)	-1.3 (1.0)	-0.6 (6.0)
HEALTH AID	-0.1 (0.8)	0.02 (0.4)	-0.04 (0.4)	0.07 (0.2)	2.4* (1.0)	-0.3 (0.3)	1.0 (2.2)
RELATIVES	0.14 (0.1)	-0.04 (0.04)	-0.16 (0.1)	-0.01 (0.03)	0.04 (0.1)	-0.07 (0.1)	-0.69** (0.3)
BLACK	--	0.2 (0.5)	0.1 (0.6)	0.2 (0.1)	0.4 (0.8)	-0.6* (0.3)	0.7 (1.6)
HISPANIC	--	0.9 (0.9)	1.4 (1.6)	--	--	--	-1.2 (2.9)

Table G-2

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
ROOMS	0.21* (0.1)	0.00- (0.04)	0.06 (0.07)	-0.05 (0.05)	-0.28 (0.3)	0.19** (0.1)	-0.38 (0.6)
YEAR BUILT	0.01 (0.01)	0.00+ (0.01)	0.00+ (0.00+)	0.00+ (0.00+)	-0.03 (0.02)	0.00+ (0.00+)	-0.16* (0.05)
UNIT TYPE	--	0.6 (0.4)	0.3 (0.5)	--	--	-0.2 (0.6)	-1.9 (1.9)
CONSTRUCTION TYPE	-0.9 (0.6)	0.2 (1.4)	1.7** (0.9)	0.08 (0.3)	-3.0 (1.9)	2.1** (1.2)	--
NUMBER OF UNITS	-0.64 (0.5)	0.32 (0.2)	-0.20 (0.2)	0.16 (0.6)	--	0.50 (0.4)	0.32 (1.4)
PANEL TYPE	0.1 (0.3)	0.4 (0.3)	-0.06 (0.2)	-0.06 (0.1)	-0.5 (0.9)	0.03 (0.2)	2.3** (1.3)
NUMBER OF STORIES	-0.34 (0.6)	1.17* (0.3)	0.51 (0.3)	0.49** (0.2)	-0.64 (1.8)	-0.09 (0.4)	-1.3 (2.0)
SURFACE BRICK	0.1 (0.7)	-0.6 (1.2)	-0.8 (0.9)	-0.4 (0.3)	1.0 (1.4)	-2.3 (1.7)	25.7* (7.4)

Table G-2

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
SURFACE SIDING	-0.6 (0.6)	-0.2 (0.4)	0.4 (0.4)	-0.3 (0.2)	-0.1 (1.0)	--	6.0 (3.9)
SURFACE MASONRY	-0.3 (1.8)	-1.0 (1.7)	0.2 (1.3)	-0.5 (0.5)	3.0 (2.9)	-0.1 (1.8)	--
SURFACE ASBESTOS	-0.9 (0.9)	0.1 (0.5)	0.5 (0.3)	-0.02 (0.2)	0.4 (0.9)	-0.9 (1.5)	11.3* (4.4)
SURFACE OTHER	0.6 (0.7)	-0.2 (0.6)	-0.3 (0.4)	-0.1 (0.2)	-1.1 (1.0)	-1.1 (1.5)	7.3* (3.0)
R^2	0.44	0.40	0.27	0.22	0.70	0.44	0.51
R^2 (Adjusted)	0.27	0.16	0.04	-0.005	0.41	0.15	0.32
Standard Error of Regression	1.6	1.0	1.2	0.6	1.9	0.9	5.5
Sample Size	104	100	110	114	50	78	96

*Significance Level $\leq$ 0.05.

**0.05 < Significance Level $\leq$ 0.10.

Source: USR&E Inspection and Enrollment Files.

Table G-3

OLS Regression Coefficients Explaining
Number of Needed Repairs Costing $100 to $300
(Standard Errors in Parantheses)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
INCOME	0.00+ (0.00+)	0.00+ (0.00+)	0.00+ (0.00+)	0.00+ (0.00+)	0.00- (0.00+)	0.00- (0.00+)	0.00+** (0.00+)
RELATIVE HOUSING EXPENDITURES	4.0* (1.7)	0.3 (1.0)	0.9 (0.6)	-0.6 (0.7)	0.3 (1.2)	1.8 (1.1)	2.6** (1.4)
MARRIED	-0.7 (0.5)	-0.6 (0.4)	0.4 (0.5)	0.3 (0.5)	0.5 (0.8)	0.06 (0.5)	-0.4 (2.2)
AGE	-0.05* (0.03)	0.01 (0.03)	-0.03 (0.02)	0.00+ (0.02)	0.06** (0.03)	-0.01 (0.02)	0.16* (0.1)
SEX	-0.3 (0.5)	0.3 (0.4)	-0.7** (0.4)	-0.1 (0.4)	0.3 (0.7)	-0.1 (0.5)	0.4 (2.1)
HOUSEHOLD SIZE	0.57* (0.2)	0.45* (0.2)	-0.69* (0.2)	-0.23 (0.2)	-0.46 (1.0)	-0.16 (0.3)	1.8* (0.6)
YEAR MOVED IN	0.00- (0.01)	0.00- (0.02)	0.00+ (0.00+)	0.00+ (0.00+)	0.02 (0.01)	0.00+ (0.02)	0.03 (0.05)
EDUCATION	0.00+ (0.1)	0.09** (0.05)	-0.05 (0.05)	0.00+ (0.04)	0.05 (0.1)	0.00+ (0.06)	0.00- (0.1)

Table G-3

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
MOBILITY PROBLEMS	0.4 (0.4)	0.2 (0.3)	0.6** (0.3)	-0.2 (0.3)	0.3 (0.5)	-0.4 (0.4)	-0.3 (1.0)
HEALTH PROBLEMS	-0.2 (0.4)	-0.1 (0.3)	-0.05 (0.3)	0.08 (0.2)	0.7 (0.5)	0.1 (0.3)	-2.6* (1.1)
BLIND	-1.5 (0.9)	-0.01 (0.9)	--	-0.5 (0.5)	--	0.1 (0.7)	-3.2 (2.5)
DEAF	-7.2** (3.6)	0.04 (1.4)	0.3 (0.5)	-0.4 (0.8)	0.7 (1.0)	-1.1 (1.3)	-4.2 (4.1)
HEALTH AID	1.4** (0.7)	0.6 (0.5)	-0.6 (0.4)	0.03 (0.5)	0.4 (0.6)	0.2 (0.4)	-0.7 (1.5)
RELATIVES	0.03 (0.1)	0.1* (0.04)	0.00- (0.1)	0.02 (0.06)	0.02 (0.04)	0.17 (0.1)	-0.39** (0.2)
BLACK	--	0.4 (0.6)	0.9** (0.5)	0.6* (0.3)	0.2 (0.5)	-0.7* (0.4)	0.4 (1.1)
HISPANIC	--	-0.3 (1.1)	-0.3 (1.5)	--	--	--	-0.04 (2.0)

Table G-3

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
ROOMS	0.39* (0.1)	-0.01 (0.05)	0.09 (0.1)	0.12 (0.1)	-0.12 (0.1)	0.22 (0.1)	0.08 (0.4)
YEAR BUILT	0.02** (0.01)	-0.01 (0.01)	0.00+ (0.00+)	0.00+ (0.00+)	0.00- (0.01)	0.00+ (0.00+)	-0.1* (0.03)
UNIT TYPE	--	-0.8** (0.4)	0.02 (0.4)	--	--	-0.07 (0.8)	2.7* (1.3)
CONSTRUCTION TYPE	-0.9** (0.5)	-0.4 (1.7)	1.1 (0.8)	-0.3 (0.5)	0.3 (1.1)	-0.3 (1.6)	--
NUMBER OF UNITS	-0.48 (0.5)	0.1 (0.3)	-0.24 (0.2)	2.26** (1.2)	--	0.32 (0.5)	-0.99 (1.0)
PANEL TYPE	0.3 (0.3)	-0.02 (0.3)	0.2 (0.2)	0.04 (0.2)	0.6 (0.5)	0.6* (0.3)	1.8** (0.9)
NUMBER OF STORIES	-0.31 (0.5)	-0.35 (0.4)	0.75* (0.3)	0.11 (0.5)	1.22 (1.0)	0.06 (0.5)	-0.66 (1.4)
SURFACE BRICK	0.2 (0.7)	0.3 (1.5)	0.2 (0.9)	-1.1** (0.6)	-0.5 (0.8)	0.2 (2.2)	7.0 (5.1)

Table G-3

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
SURFACE SIDING	-0.4 (0.5)	0.1 (0.5)	0.03 (0.4)	-1.3* (0.4)	-0.1 (0.6)	--	5.5* (2.6)
SURFACE MASONRY	0.7 (1.7)	-0.9 (2.2)	0.5 (1.2)	-0.2 (1.1)	-1.3 (1.6)	-1.1 (2.3)	--
SURFACE ASBESTOS	-1.0 (0.8)	0.08 (0.7)	0.06 (0.3)	-0.8* (0.4)	-0.1 (0.5)	1.2 (2.0)	10.9* (3.0)
SURFACE OTHER	0.3 (0.6)	1.0 (0.8)	-0.3 (0.4)	-0.5 (0.4)	0.1 (0.5)	1.2 (2.0)	5.7* (2.1)
R^2	0.49	0.31	0.36	0.33	0.40	0.38	0.49
R^2 (Adjusted)	0.32	0.04	0.16	0.13	-0.17	0.06	0.30
Standard Error of Regression	1.5	1.3	1.1	1.1	1.1	1.2	3.8
Sample Size	104	100	110	114	50	78	96

*Significance Level $\leq$ 0.05.

**0.05 < Significance Level $\leq$ 0.10.

Source: USR&E Inspection and Enrollment Files.

Table G-4

OLS Regression Coefficients Explaining
Total Number of Needed Repairs Costing Less than $100
(Standard Errors in Parantheses)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
INCOME	0.00+ (0.00+)	0.00+ (0.00+)	0.00+ (0.00+)	0.00- (0.00+)	0.00+ (0.00+)	0.00- (0.00+)	0.00- (0.00+)
RELATIVE HOUSING EXPENDITURES	10.1* (5.0)	-3.3 (4.8)	-0.4 (2.8)	-3.6 (3.5)	0.4 (4.6)	-2.8 (3.5)	-2.3 (3.5)
MARRIED	-1.8 (1.5)	-3.9** (2.0)	-2.7 (2.0)	2.1 (2.4)	-1.5 (3.0)	-2.8* (1.4)	3.1 (5.6)
AGE	-0.13 (0.1)	0.00+ (0.1)	0.00- (0.1)	0.15 (0.1)	-0.34* (0.1)	-0.07 (0.1)	0.03 (0.2)
SEX	0.5 (1.5)	-2.2 (1.7)	0.3 (1.6)	2.8 (2.2)	3.0 (2.8)	-0.7 (1.5)	4.9 (5.4)
HOUSEHOLD SIZE	0.37 (0.7)	0.38 (0.9)	0.22 (1.1)	1.21 (1.3)	0.38 (3.8)	0.67 (0.9)	2.94** (1.5)
YEAR MOVED IN	-0.03 (0.04)	0.00+ (0.1)	-0.05 (0.03)	0.00- (0.05)	-0.09** (0.05)	-0.07 (0.05)	0.04 (0.1)
EDUCATION	-0.43** (0.2)	-0.02 (0.2)	-0.18 (0.2)	0.00+ (0.2)	0.33 (0.3)	-0.02 (0.2)	-0.34 (0.3)

Table G-4

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
MOBILITY PROBLEMS	1.0 (1.3)	2.5** (1.5)	-0.5 (1.3)	0.8 (1.3)	2.2 (1.8)	0.2 (1.2)	4.9** (2.5)
HEALTH PROBLEMS	-1.5 (1.2)	-0.7 (1.6)	3.8* (1.3)	-0.3 (1.2)	-1.0 (1.8)	-1.4 (1.0)	-3.0 (2.7)
BLIND	2.1 (2.9)	0.2 (4.0)	--	0.9 (2.7)	--	0.8 (2.3)	-1.7 (6.3)
DEAF	-16.5 (11.0)	5.0 (6.4)	-4.3** (2.3)	2.4 (4.2)	3.7 (4.0)	-2.5 (4.0)	-5.5 (10.4)
HEALTH AID	-2.1 (2.2)	-1.9 (2.3)	-4.2* (1.8)	3.3 (2.4)	2.9 (2.2)	-0.1 (1.1)	-1.3 (3.9)
RELATIVES	0.06 (0.3)	0.38** (0.2)	0.08 (0.4)	0.04 (0.3)	-0.13 (0.1)	0.46 (0.3)	0.37 (0.6)
BLACK	--	3.3 (2.7)	1.3 (2.2)	-0.8 (1.5)	0.7 (1.8)	0.6 (1.1)	2.0 (2.8)
HISPANIC	--	6.0 (5.3)	-4.8 (6.5)	--	--	--	-0.7 (5.0)

Table G-4

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
ROOMS	0.68** (0.3)	1.27* (0.2)	-0.22 (0.3)	1.04** (0.5)	-0.31 (0.6)	1.48* (0.4)	-0.45 (1.1)
YEAR BUILT	0.00+ (0.03)	-0.17* (0.1)	-0.98 (0.02)	0.00+ (0.04)	-0.02 (0.05)	-0.04* (0.02)	-0.15** (0.1)
UNIT TYPE	--	-0.3 (2.1)	-0.9 (1.9)	--	--	0.5 (2.5)	0.7 (3.3)
CONSTRUCTION TYPE	1.3 (1.7)	5.4 (8.0)	-2.3 (3.5)	-2.8 (2.6)	-6.4 (4.1)	7.1 (4.9)	--
NUMBER OF UNITS	-0.55 (1.5)	0.17 (1.3)	-0.48 (0.8)	-9.74** (5.9)	--	4.09* (1.5)	-0.4 (2.4)
PANEL TYPE	-0.3 (1.0)	-0.4 (1.5)	-1.0 (1.0)	0.03 (1.2)	-1.2 (2.0)	1.1 (0.9)	4.1** (2.3)
NUMBER OF STORIES	0.57 (1.7)	0.93 (1.9)	-0.79 (1.4)	-3.5 (2.4)	-0.4 (4.0)	-2.1 (1.5)	-0.2 (3.5)
SURFACE BRICK	-4.2* (2.1)	-7.8 (6.9)	2.8 (3.7)	2.6 (3.3)	4.9 (3.1)	-6.7 (6.8)	19.3 (12.9)

Table G-4

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
SURFACE SIDING	-1.9 (1.6)	1.4 (2.3)	3.6* (1.6)	-1.2 (1.8)	3.1 (2.3)	--	3.3 (6.7)
SURFACE MASONRY	-4.9 (5.2)	-2.6 (9.9)	0.2 (5.3)	9.3** (5.3)	7.1 (6.3)	-7.1 (7.1)	--
SURFACE ASBESTOS	-0.2 (2.4)	-2.8 (3.1)	3.9* (1.4)	-0.6 (1.9)	3.2 (2.0)	0.9 (6.0)	7.3 (7.6)
SURFACE OTHER	-3.9* (1.9)	-1.7 (3.6)	1.8 (1.7)	2.8 (2.1)	1.4 (2.1)	-5.3 (6.0)	4.3 (5.3)
R^2	0.40	0.52	0.34	0.22	0.61	0.52	0.30
R^2 (Adjusted)	0.20	0.33	0.12	-0.01	0.24	0.28	0.03
Standard Error of Regression	4.6	5.9	4.7	5.5	4.1	3.5	9.6
Sample Size	104	100	110	114	50	78	96

*Significance Level $\leq$ 0.05.

**0.05 < Significance Level $\leq$ 0.10.

Source: USR&E Inspection and Enrollment Files.

Table G-5

Mean Values of Variables in Repair Regressions
(Standard deviations in Parantheses)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
INCOME	624.04 (271.1)	637.56 (246.6)	621.36 (227.1)	485.12 (212.6)	342.88 (132.1)	472.36 (204.3)	599.78 (251.8)
RELATIVE HOUSING EXPENDITURES	0.2 (0.2)	0.3 (0.2)	0.4 (0.2)	0.3 (0.2)	0.3 (0.2)	0.3 (0.1)	0.4 (0.4)
MARRIED	0.3 (0.5)	0.4 (0.5)	0.2 (0.4)	0.2 (0.4)	0.2 (0.4)	0.3 (0.5)	0.2 (0.4)
AGE	69.69 (7.0)	69.09 (7.0)	73.89 (6.5)	71.71 (6.1)	72.38 (7.4)	74.17 (7.7)	70.46 (6.3)
SEX	0.7 (0.4)	0.7 (0.5)	0.8 (0.4)	0.7 (0.4)	0.8 (0.4)	0.8 (0.4)	0.7 (0.4
HOUSEHOLD SIZE	1.66 (0.9)	1.99 (1.0)	1.50 (0.8)	1.41 (0.7)	1.30 (0.5)	1.54 (0.7)	1.68 (1.0)
YEAR MOVED IN	54.53 (14.7)	59.72 (11.6)	47.21 (16.2)	54.31 (14.3)	52.24 (18.4)	52.01 (11.6)	57.39 (10.9)
EDUCATION	10.32 (2.4)	10.26 (3.4)	10.33 (2.8)	9.10 (3.6)	9.1 (3.0)	8.96 (3.1)	10.60 (3.8)

Table G-5

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
MOBILITY PROBLEMS	0.3 (0.5)	0.5 (0.5)	0.4 (0.5)	0.6 (0.5)	0.3 (0.5)	0.7 (0.4)	0.4 (0.5)
HEALTH PROBLEMS	0.7 (0.5)	0.6 (0.5)	0.5 (0.5)	0.6 (0.5)	0.8 (0.4)	0.7 (0.5)	0.7 (0.5)
BLIND	0.03 (0.2)	0.03 (0.2)	0.0 (0.0)	0.06 (0.2)	0.00 (0.0)	0.05 (0.2)	0.03 (0.2)
DEAF	0.00+ (0.1)	0.01 (0.1)	0.1 (0.2)	0.02 (0.1)	0.04 (0.2)	0.01 (0.1)	0.01 (0.1)
HEALTH AID	0.1 (0.2)	0.1 (0.3)	0.1 (0.3)	0.1 (0.2)	0.2 (0.4)	0.3 (0.5)	0.1 (0.3)
RELATIVES	2.62 (2.0)	1.84 (3.4)	1.22 (1.6)	1.91 (2.0)	1.98 (5.4)	1.31 (1.4)	1.74 (2.0)
BLACK	0.0 (0.0)	0.9 (0.3)	0.1 (0.2)	0.2 (0.4)	0.4 (0.5)	0.6 (0.5)	0.6 (0.5)
HISPANIC	0.0 (0.0)	0.02 (0.1)	0.00+ (0.1)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.1 (0.2)

Table G-5

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
ROOMS	7.43 (2.0)	8.59 (3.2)	7.37 (2.1)	6.54 (1.3)	5.78 (1.5)	7.50 (1.7)	6.62 (1.2)
YEAR BUILT	1926.15 (17.6)	1920.86 (11.1)	1905.10 (25.5)	1942.87 (17.3)	1930.48 (21.7)	1912.23 (23.1)	1932.00 (15.9)
UNIT TYPE	0.0 (0.0)	0.2 (0.4)	0.1 (0.3)	0.0 (0.0)	0.0 (0.0)	0.9 (0.2)	0.8 (0.4)
CONSTRUCTION TYPE	0.4 (0.5)	0.05 (0.2)	0.04 (0.2)	0.3 (0.4)	0.1 (0.2)	1.0 (0.2)	--
NUMBER OF UNITS	1.22 (0.4)	1.62 (0.6)	1.77 (0.8)	1.01 (0.1)	1.00 (0.0)	1.14 (0.4)	1.12 (0.5)
PANEL TYPE	0.6 (0.5)	0.4 (0.5)	0.6 (0.5)	0.6 (0.5)	0.8 (0.4)	0.5 (0.5)	0.6 (0.5)
NUMBER OF STORIES	1.86 (0.5)	2.33 (0.4)	2.42 (0.5)	1.10 (0.3)	1.04 (0.2)	2.20 (0.4)	1.14 (0.3)
SURFACE BRICK	0.4 (0.5)	0.05 (0.2)	0.05 (0.2)	0.2 (0.4)	0.1 (0.2)	0.9 (0.3)	0.01 (0.1)

Table G-5

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
SURFACE SIDING	0.2 (0.4)	0.1 (0.3)	0.1 (0.3)	0.2 (0.4)	0.2 (0.4)	0.0 (0.0)	0.05 (0.2)
SURFACE MASONRY	0.00+ (0.1)	0.01 (0.1)	0.00+ (0.1)	0.02 (0.1)	0.02 (0.1)	0.02 (0.1)	0.0 (0.0)
SURFACE ASBESTOS	0.1 (0.2)	0.06 (0.2)	0.2 (0.4)	0.2 (0.4)	0.2 (0.4)	0.01 (0.1)	0.04 (0.2)
SURFACE OTHER	0.2 (0.4)	0.04 (0.2)	0.1 (0.3)	0.2 (0.4)	0.2 (0.4)	0.05 (0.2)	0.8 (0.4)
R TOT	10.14 (7.2)	9.31 (7.7)	8.11 (5.3)	12.19 (5.9)	6.78 (6.0)	9.63 (4.5)	24.59 (16.9)
R TOT 1	8.81 (5.1)	8.12 (7.3)	6.51 (5.0)	11.50 (5.5)	5.56 (4.7)	8.47 (4.1)	12.54 (9.8)
R TOT 2	0.46 (1.8)	0.56 (1.3)	0.81 (1.2)	0.57 (1.2)	0.58 (1.0)	0.64 (1.2)	6.01 (4.5)
R TOT 3	0.87 (1.9)	0.63 (1.1)	0.79 (1.2)	0.12 (0.6)	0.64 (2.4)	0.51 (1.0)	6.04 (6.7)
Sample Size	104	100	110	114	50	78	96

Source: USR&E Inspection and Enrollment Files.

Table G-6

Mean Value of Variables in Value of House Regressions
(Standard Deviations in Parantheses)

	CITY						
Means	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
NUMBER OF ROOMS	6.11 (1.8)	7.17 (2.5)	6.30 (2.1)	5.34 (1.1)	4.48 (1.3)	6.38 (1.6)	5.47 (1.0)
NUMBER OF BATHS	1.35 (0.4)	1.42 (0.5)	1.14 (0.3)	1.1 (0.3)	1.05 (0.3)	1.09 (0.3)	1.20 (0.3)
UNIT TYPE	0.0 (0.0)	0.2 (0.4)	0.1 (0.3)	0.0 (0.0)	0.0 (0.0)	0.9 (0.2)	0.8 (0.4)
ATTIC	0.6 (0.5)	0.9 (0.3)	0.9 (0.3)	0.6 (0.5)	0.3 (0.5)	0.1 (0.3)	0.1 (0.4)
BASEMENT	1.0 (0.2)	1.0 (0.0)	1.0 (0.2)	0.1 (0.3)	0.3 (0.5)	1.0 (0.1)	0.9 (0.2)
GARAGE	0.6 (0.5)	0.8 (0.4)	0.2 (0.4)	0.3 (0.5)	1.1 (0.3)	0.3 (0.4)	0.9 (0.3)
NUMBER OF STORIES	1.84 (0.5)	2.33 (0.3)	2.42 (0.5)	1.07 (0.2)	1.06 (0.2)	2.2 (0.4)	1.14 (0.3)
NUMBER OF UNITS	1.20 (0.4)	1.54 (0.6)	1.77 (0.8)	1.0 (0.1)	1.0 (0.0)	1.1 (0.4)	1.1 (0.4)

Table G-6

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
YEAR BUILT	1926.14 (17.3)	1921.07 (11.4)	1904.69 (25.2)	1943.06 (17.3)	1936.00 (23.6)	1911.68 (23.3)	1931.08 (14.9)
PANEL TYPE	0.6 (0.5)	0.4 (0.5)	0.6 (0.5)	0.6 (0.5)	0.7 (0.4)	0.5 (0.5)	0.6 (0.5)
CAPACITY IN AMPS	97.04 (37.4)	105.17 (28.1)	107.63 (53.6)	104.74 (43.3)	99.19 (74.1)	72.60 (32.3)	59.92 (26.5)
CONSTRUCTION TYPE	0.4 (0.5)	0.05 (0.2)	0.03 (0.2)	0.2 (0.4)	0.1 (0.2)	0.9 (0.2)	--
SURFACE BRICK	0.4 (0.5)	0.05 (0.2)	0.04 (0.2)	0.2 (0.4)	0.03 (0.2)	0.9 (0.3)	0.00+ (0.1)
SURFACE SIDING	0.2 (0.4)	0.1 (0.3)	0.1 (0.3)	0.2 (0.4)	0.2 (0.4)	0.0 (0.0)	0.05 (0.2)
SURFACE MASONRY	0.00+ (0.1)	0.00+ (0.1)	0.02 (0.1)	0.02 (0.1)	0.03 (0.2)	0.03 (0.2)	0.02 (0.1)
SURFACE ASBESTOS	0.1 (0.3)	0.1 (0.2)	0.2 (0.4)	0.2 (0.4)	0.1 (0.3)	0.01 (0.1)	0.04 (0.2)
SURFACE OTHER	0.1 (0.4)	0.03 (0.2)	0.1 (0.3)	0.2 (0.4)	0.1 (0.3)	0.05 (0.2)	0.8 (0.4)

Table G-6

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
REPAIRS LESS THAN $100	9.10 (5.2)	8.23 (6.8)	6.52 (5.0)	11.30 (5.4)	5.90 (5.2)	8.10 (4.0)	13.49 (10.1)
REPAIRS $100 - $300	0.43 (1.8)	0.49 (0.9)	0.80 (1.1)	0.56 (1.2)	0.87 (1.2)	0.62 (1.1)	6.18 (4.5)
REPAIRS GREATER THAN $300	0.89 (1.9)	0.54 (1.1)	0.78 (1.2)	0.13 (0.6)	0.35 (1.0)	0.51 (1.0)	6.86 (6.9)
VALUE OF HOUSE	36545.45 (6281.8)	21190.48 (8523.8)	45553.57 (18763.0)	28784.48 (9980.7)	18258.06 (11120.4)	16447.92 (9964.0)	91747.90 (30498.2)
SAMPLE SIZE	110	105	112	116	31	96	119

Source: USR&E Inspection and Enrollment Files.

Table G-7

Regression Coefficients Explaining Value of House (VALUE)
(Standard Error in Parantheses)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
NUMBER OF ROOMS	727.91** (450.6)	-197.53 (477.2)	2555.18* (862.2)	3283.79* (732.1)	230.32 (1758.8)	785.25 (918.4)	13261.24* (2611.8)
NUMBER OF BATHS	-92.55 (1742.2)	-1226.18 (2049.4)	-1856.01 (5750.4)	16033.35* (3411.9)	133.75 (9776.3)	1515.96 (3665.2)	-14272.99 (6939.1)
UNIT TYPE	--	-1.3 (2066.4)	-2688.2 (7056.0)	--	--	-5362.7 (4261.1)	-31646.0* (6132.4)
ATTIC	-511.1 (1192.3)	6452.2** (3231.4)	6456.4 (5342.9)	993.8 (1703.4)	10715.0** (5896.9)	4443.0 (4385.1)	-964.9 (6688.6)
BASEMENT	2343.1 (3429.9)	--	7682.5 (8567.2)	-796.2 (2203.4)	5017.6 (6519.3)	-20635.3 (13633.7)	23263.9* (8712.9)
GARAGE	612.9 (1303.1)	-1286.5 (1903.5)	6597.9** (4004.8)	786.2 (1603.1)	-19515.1** (10995.3)	5690.7* (2395.1)	7899.4 (6916.8)
NUMBER OF STORIES	2140.03 (1699.7)	-2288.46 (2446.4)	3941.13 (4362.6)	-7413.60* (3583.0)	4294.85 (9738.4)	4360.83 (3083.2)	8625.67 (6749.6)
NUMBER OF UNITS	-1322.31 (1787.2)	2300.62** (1256.6)	1797.23 (2791.3)	10744.47 (8810.3)	--	-215.67 (3156.8)	15861.83* (5023.0)

Table G-7

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
YEAR BUILT	-2.22 (43.9)	37.72 (72.5)	89.16 (65.4)	-79.20** (49.4)	185.76 (151.0)	87.41** (53.4)	-140.74 (166.5)
PANEL TYPE	-1122.0 (1207.0)	-168.8 (1661.4)	2148.0 (3380.6)	-97.2 (1785.1)	-5438.0 (9103.7)	-419.5 (2247.3)	-844.0 (5207.9)
CAPACITY IN AMPS	11.00 (18.1)	-48.29** (25.7)	15.46 (33.0)	16.65 (22.0)	-87.06** (53.8)	-0.14 (34.2)	-36.56 (103.6)
CONSTRUCTION TYPE	2514.9 (1898.6)	-41982.9* (9962.2)	-6041.1 (11612.2)	2351.1 (3114.4)	-8127.7 (16580.8)	11558.6** (6326.9)	--
SURFACE BRICK	853.5 (2280.9)	40622.6* (7577.6)	8305.7 (12058.0)	536.7 (3891.3)	44421.4* (20809.4)	-3541.1 (7049.3)	50711.8** (25640.2)
SURFACE SIDING	-985.4 (1747.9)	-1505.2 (2330.3)	-9776.7** (5072.0)	-2438.5 (2618.5)	5533.5 (5609.6)	--	27254.7** (14164.2)
SURFACE MASONRY	2771.3 (5914.5)	48828.4* (11990.8)	19331.4** (11732.3)	-1132.5 (6067.7)	-14844.1 (20691.4)	9704.6 (9270.3)	22844.0 (16564.8)
SURFACE ASBESTOS	-2518.4 (2413.0)	3194.6 (2891.1)	-11868.9* (4826.6)	-3006.4 (2533.0)	3435.6 (9578.9)	-6360.4 (12299.8)	-16935.6 (14557.4)
SURFACE OTHER	3052.2 (2078.3)	-11094.5* (4401.0)	-5502.0 (5582.6)	-1985.5 (2730.7)	21305.4** (10931.0)	6028.3 (8453.7)	22544.3** (11411.3)

Table G-7

(continued)

	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
REPAIRS LESS THAN $100	127.48 (131.6)	-224.60** (127.2)	-602.02** (337.4)	82.23 (138.3)	-885.35 (665.3)	-155.61 (266.0)	-618.77* (235.9)
REPAIRS $100 - $300	-77.49 (396.0)	69.60 (858.2)	-1582.02 (1580.9)	-1429.60** (760.6)	-632.08 (2017.4)	790.97 (930.6)	1176.86* (562.9)
REPAIRS GREATER THAN $300	-1171.83* (347.6)	1393.83** (724.2)	-1329.82 (1493.0)	1858.65 (1379.5)	-3110.47 (3148.8)	39.13 (1156.8)	-1883.71* (420.6)
R^2	0.37	0.45	0.42	0.54	0.66	0.41	0.58
R^2 (Adjusted)	0.24	0.32	0.29	0.45	0.15	0.26	0.50
Standard Error of Regression	5473.2	7016.2	15794.9	7424.5	10222.5	8581.6	21561.9
SAMPLE SIZE	110	105	112	116	31	96	119

*Significance Level $\leq$ 0.05.

**0.05 < Significance Level $\leq$ 0.10.

Source: USR&E Inspection and Enrollment Files.

Exhibit G-8

Regression Variables

DEPENDENT VARIABLE
Total number of needed repairs
INDEPENDENT VARIABLES: CLIENT CHARACTERISTICS
INCOME: Total household income per month
RELATIVE HOUSING EXPENDITURES: Proportion of income spent on mortgage payments, taxes, insurance, utilities and other services.
MARRIED: Dummy variable equal to one if head of household is married, zero otherwise.
AGE: Age of head of household
SEX: Dummy variable equal to one if head of household is female. Zero otherwise.
HOUSEHOLD SIZE: Number of individuals living in the home.
YEAR MOVED IN: Year moved into the home.
EDUCATION: Number of years of schooling completed by the head of household.
MOBILITY PROBLEMS: Dummy variable equal to one if household member has problems getting around or into and out of the home. Zero otherwise.
HEALTH PROBLEMS: Dummy variable equal to one if a household member has a serious health problem. Zero otherwise.
BLIND: Dummy variable equal to one if respondent is blind. Zero otherwise.
DEAF: Dummy variable equal to one if respondent is deaf. Zero otherwise.
HEALTH AID: Dummy variable equal to one if respondent uses a wheelchair, cane, or other such aid. Zero otherwise.

Exhibit G-8

(continued)

INDEPENDENT VARIABLES: CLIENT CHARACTERISTICS
RELATIVES: Number of relatives living in the area.
BLACK*: Dummy variable equal to one if respondent Black. Zero otherwise.
HISPANIC*: Dummy variable equal to one if respondent is Hispanic. Zero otherwise.
INDEPENDENT VARIABLES: HOUSING CHARACTERISTICS
ROOMS: Number of rooms in the home including bathrooms.
YEAR BUILT: Year in which house was built.
UNIT TYPE: Dummy variable equal to one if home is an attached housing. Zero if detached structure.
CONSTRUCTION TYPE: Dummy variable equal to one if construction is masonry. Zero if wood frame.
NUMBER OF UNITS: Number of housing units in structure.
PANEL TYPE: Dummy variable equal to one if electric panel fuses. Zero if circuit breakers.
NUMBER OF STORIES: Number of stories in structure.
SURFACE BRICK:** Dummy variable equal to one if external surface of structure is brick. Zero otherwise.
SURFACE SIDING:** Dummy variable equal to one if external surface is siding.* Zero otherwise.
SURFACE MASONRY:** Dummy variable equal to one if external surface of structure is masonry. Zero otherwise.

Exhibit G-8

(continued)

INDEPENDENT VARIABLES: CLIENT CHARACTERISTICS
SURFACE ASBESTOS:** Dummy variable equal to one if external surface structure is asbestos. Zero otherwise.
SURFACE OTHER:** Dummy variable equal to one if external surface of structure is a type other than those listed previously and other than wood.* Zero otherwise.

* The standard of comparison is a non-Hispanic white caucasian. If both BLACK AND HISPANIC equal zero, the respondent is a non-Hispanic white.

** The standard of comparison is an exterior surface of wood. If all surface variables are zero, the house has a wood exterior. The surface dummy variable indicates the effect of each type of surface compared to wood.

Appendix H

- **OLS Regression Coefficients of Dependent Variable, Repair Costs Per Client. By City.**

- OLS Regression Coefficients of Dependent Variable, Repair Costs Per Client. By City. Year 2.

Exhibit H-1

OLS Regression Coefficients of Dependent Variable, Repair Costs Per Client. By City : Year 1
(Standard errors in Parantheses)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Repairs							
1. Exterior	0.73 (19.4)	129.03* (19.8)	67.43** (36.0)	1.39 (33.8)	-20.15 (57.6)	112.90* (50.4)	23.28 (40.3)
2. Door	16.77 (22.1)	34.73* (15.5)	-8.57 (22.8)	15.38 (13.7)	15.99 (17.8)	66.12* (18.0)	22.23** (13.1)
3. Porch	35.03** (18.2)	43.20* (12.9)	4.81 (19.8)	71.54* (19.2)	40.36** (22.4)	13.63 (26.5)	34.42 (20.9)
4. Roof	11.32 (12.5)	5.68 (21.5)	37.44** (21.2)	25.49 (53.7)	-10.71 (44.1)	-33.69 (42.8)	-14.87 (17.1)
5. Window	-7.02 (15.6)	4.23 (9.8)	50.57* (17.1)	18.15 (12.0)	52.16* (18.3)	13.82 (12.8)	-0.68 (14.2)
6. Weatheri-zation	-11.04 (15.2)	6.17 (19.2)	20.71 (26.6)	-12.05 (12.4)	45.78* (12.4)	1.09 (12.4)	-2.07 (26.8)
7. Interior	45.01* (15.3)	25.30* (9.1)	-7.57 (12.0)	37.17* (9.5)	29.92 (26.7)	15.87 (12.5)	14.68 (13.5)

Exhibit H-1

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Repairs							
8. Plumbing	8.18 (11.3)	20.97** (10.6)	11.14 (22.9)	46.60* (10.3)	19.35 (15.4)	39.85* (14.5)	20.78** (11.4)
9. Other External	-19.46 (36.0)	63.27 (60.6)	63.54 (59.0)	-46.99 (105.6)	--	6.88 (26.8)	-7.06 (25.7)
10. Electrical	36.98* (18.6)	16.12** (8.7)	-11.75 (23.2)	33.73 (63.2)	1.38 (19.2)	8.35 (16.6)	-13.23 (20.2)
11. Stair	-2.36 (58.4)	11.66 (16.4)	-26.60 (24.9)	5.21 (28.4)	--	29.73* (14.7)	1.59 (26.5)
12. Heating	5.80 (31.4)	27.19 (40.6)	-27.59 (65.2)	19.74 (61.8)	-3.25 (35.5)	7.90 (100.5)	6.39 (21.8)
13. Structural	--	--	-117.03 (71.4)	-171.68 (104.5)	--	--	--
14. Other	0.37 (97.5)	30.13 (66.4)	--	--	--	--	--

Exhibit H-1

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Housing Characteristics							
Year House Built	0.17 (0.6)	1.60 (1.0)	0.39 (0.4)	-1.17* (0.6)	0.18 (0.4)	0.18 (0.3)	-0.70 (0.5)
No. Units in Structure	24.90 (23.1)	-14.85 (19.2)	35.15* (13.1)	-35.46 (101.0)	33.03 (41.6)	-14.27 (23.8)	-8.24 (17.2)
Construction Type(1), (2)	-50.63* (18.1)	128.55* (60.7)	-24.88 (52.4)	-20.18 (22.6)	-6.59 (37.2)	36.64 (41.1)	--
Client Characteristics							
Married(1)	17.41 (24.6)	-10.28 (27.7)	-44.60 (35.3)	-0.11 (32.5)	30.21 (29.3)	-39.91 (24.3)	21.30 (19.8)
Household Size	-5.81 (11.8)	-2.34 (12.8)	11.28 (19.8)	0.94 (25.4)	-19.28 (24.4)	26.95** (14.0)	-6.80 (9.4)
Deaf(1)	4.90 (103.6)	34.24 (138.6)	23.59 (48.6)	-23.16 (60.8)	-9.77 (50.7)	-80.24 (93.9)	2.66 (53.2)
Health Aid Need(1)	2.76 (40.6)	-49.09 (40.5)	11.13 (36.4)	-28.04 (43.9)	30.87 (29.1)	-4.89 (24.5)	-5.12 (26.4)

Exhibit H-1

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Client Characteristics							
Client Has Some Disability[1]	-29.71 (21.7)	14.49 (33.4)	1.82 (30.5)	-4.53 (22.1)	-0.87 (29.0)	10.94 (24.8)	16.26 (20.5)
Client Disabled, Needs Assistance[1]	33.43 (40.8)	-43.10 (48.8)	79.69* (37.6)	38.33 (46.5)	-34.02 (38.6)	13.49 (28.3)	-6.13 (37.2)
Client Has Major Disability, Requires Constant Care[1]	--	--	--	80.98 (89.3)	213.29* (73.3)	35.21 (44.8)	-62.89 (93.3)

Exhibit H-1

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Regression Constant	-229.57	-2997.12	-482.42	2347.82	-323.66	-383.78	1638.12
R^2	0.23	0.59	0.35	0.55	0.59	0.32	0.11
R^2 (Adjusted)	0.05	0.50	0.20	0.45	0.42	0.15	-0.05
Standard Error of Regression	91.34	117.40	107.88	96.87	52.45	89.83	81.22
Sample Size	118	125	120	121	69	111	132

*Significance level $\leq$ 0.05

**0.05 < Significance level $\leq$ 0.10

(1) 0-1 Dummy Variable Taking the value of 1 if client has the property described, zero otherwise.

(2) Dummy variable equaling 1 if constructed type is masonry and 0 if it is wood frame.

Source: USR&E Work Order File 1981.

Exhibit H-2

OLS Regression Coefficients of Dependent Variable,
Repair Costs Per Client. By City. Year 2.
(Standard errors in Parantheses)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Repairs							
1. Exterior	71.55* (25.6)	45.08** (27.2)	73.22** (39.7)	26.53 (16.7)	121.67* (41.2)	-14.13 (39.1)	221.47* (96.2)
2. Door	85.22* (28.0)	59.98* (29.8)	14.92 (31.2)	17.63* (6.9)	3.75 (10.3)	13.33 (12.8)	106.95* (32.8)
3. Porch	49.65* (24.3)	93.81* (31.8)	151.30* (29.7)	54.62* (7.0)	58.15* (11.5)	184.33* (27.7)	78.19 (61.0)
4. Roof	37.48* (18.7)	87.58* (34.8)	54.01* (21.8)	59.76* (17.4)	1.34 (21.1)	-41.19 (37.5)	93.64* (42.6)
5. Window	-2.72 (22.6)	40.81* (19.0)	-32.91 (25.2)	22.86* (6.8)	31.04* (13.7)	8.32 (12.1)	95.49* (38.7)
6. Weatheri-zation	6.37 (18.3)	1.63 (21.5)	69.69* (18.7)	6.87 (7.8)	40.24* (9.1)	14.22 (10.5)	56.86 (69.2)
7. Interior	64.25* (20.0)	38.03* (19.0)	65.28* (14.6)	14.50* (5.1)	23.14 (17.4)	50.07* (7.3)	76.23* (28.4)

Exhibit H-2

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Repairs							
8. Plumbing	12.15 (14.5)	20.66 (18.0)	61.02* (27.6)	21.03* (8.5)	38.02* (13.9)	30.75* (13.1)	72.38** (39.9)
9. Other External	60.66* (27.2)	60.53 (46.6)	35.77 (63.3)	-34.90 (42.6)	81.81* (40.3)	73.54** (43.3)	94.26 (60.8)
10. Electrical	35.58 (30.8)	12.04 (20.8)	-57.76 (40.9)	25.25 (39.1)	42.13** (22.5)	24.93** (14.1)	162.91** (82.8)
11. Stair	-5.86 (32.7)	32.01 (40.5)	-30.54 (54.1)	48.52 (60.5)	--	-8.55 (17.1)	-14.81 (115.8)
12. Heating	-41.94 (31.8)	47.58 (48.9)	-214.22* (97.7)	-50.72 (47.4)	--	108.48* (43.8)	-65.77 (84.5)
13. Structural	--	--	--	--	--	--	--
14. Other	-123.84 (113.2)	--	--	--	--	--	--

Exhibit H-2

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Housing Characteristics							
Year House Built	-0.41 (0.7)	-0.27 (1.3)	0.24 (0.5)	0.06 (0.6)	-0.12 (0.3)	-0.16 (0.3)	0.38 (1.6)
No. Units in Structure	7.37 (25.5)	-4.87 (24.4)	-6.18 (15.3)	6.21 (103.7)	25.62 (29.4)	-12.89 (17.3)	31.23 (54.3)
Construction Type(1), (2)	-31.26 (22.5)	44.42 (80.3)	-89.12 (56.3)	-26.35 (21.8)	-31.94 (28.9)	-38.96 (30.5)	--
Client Characteristics							
Married(1)	19.10 (28.5)	53.89 (36.7)	-16.65 (41.8)	-11.53 (27.2)	6.87 (20.8)	11.03 (19.1)	39.35 (64.2)
Household Size	5.38 (13.4)	-10.75 (17.0)	9.65 (22.6)	9.34 (18.6)	-27.13 (18.1)	-2.83 (10.9)	-30.53 (29.4)
Deaf(1)	-55.00 (116.8)	-48.6 (156.1)	26.48 (55.9)	82.47 (62.8)	22.89 (34.4)	-31.05 (70.9)	-47.75 (157.7)
Health Aid Need(1)	-0.98 (51.2)	0.19 (52.6)	-45.20 (43.1)	-29.87 (40.9)	32.31 (20.2)	-7.07 (18.1)	-27.22 (79.0)

Exhibit H-2

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Client Characteristics							
Client Has Some Disability(1)	4.20 (26.3)	-22.34 (44.5)	-18.63 (33.4)	-19.40 (19.0)	-19.80 (19.3)	-4.25 (17.7)	-29.13 (60.0)
Client Disabled, Needs Assistance(1)	38.36 (49.3)	-14.82 (62.3)	-46.16 (41.6)	-33.27 (41.9)	-93.70* (30.7)	18.98 (21.5)	-1.02 (109.9)
Client Has Major Disability, Requires Constant Care(1)	--	--	--	7.50 (84.5)	34.76 (47.1)	17.98 (32.8)	173.30 (289.9)

Exhibit H-2

(continued)

Explanatory Variables	CITY						
	Cincinnati	Cleveland	Boston	Greensboro	Hot Springs	Philadelphia	San Francisco
Regression Constant	-853.16	514.83	-234.51	-95.11	286.24	381.05	-466.39
R^2	0.40	0.49	0.48	0.61	0.68	0.81	0.45
R^2 (Adjusted)	0.25	0.38	0.37	0.53	0.55	0.56	0.35
Standard Error of Regression	105.28	152.61	125.86	99.15	38.26	67.82	252.61
Sample Size	115	126	121	139	72	110	132

*Significance level $\leq$ 0.05

**0.05 < Significance level $\leq$ 0.10

(1) 0-1 Dummy Variable Taking the value of 1 if client has the property described, zero otherwise.

(2) Dummy variable equaling 1 if construction type is masonry and 0 if it is wood frame.

Source: USR&E Work Order File. Year 2.