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Codebook for the Annual Housing Survey Data Base



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CODEBOOK FOR THE
ANNUAL HOUSING SURVEY
DATA BASE

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The AHS Data Project staff is especially thankful to Paul Burke, Department of Housing and Urban Development, for his assistance and guidance throughout the preparation of the Codebook. John D. Sneed originally developed the documentation in 1977. Columbia University staff, under the direction of Andrew D. Beveridge, maintained and greatly enhanced the Codebook from 1978-1981.

Also greatly appreciated is the cooperation of several staff members of the Census Bureau, in particular the technical assistance of Mr. Dennis Schwanz of the Statistical Methods Division, Mr. Richard Kreinsen of the Housing Division, and Mr. Forrest Williams of the User Services Division.

Future Plans for the Annual Housing Survey

Important changes already occurred in the last few years as the National Survey began to be implemented in odd numbered years in 1981, and as all SMSA samples were significantly cut back in 1983. Starting in 1984, the samples and questionnaires will be extensively redesigned for both the National and SMSA survey. The survey will be called the American Housing Survey.

The 1983 National Survey was the last year of interviewing for the sample drawn from the 1970 Census. In 1985 the National Survey will be administered to a completely new sample drawn from the 1980 Census. For each unit in the sample, data from the 1980 Census Questionnaire will be provided to assist longitudinal studies. In 1987 and 1991 there will be as in the past an oversample of rural units. A special sample of neighbors of AHS units will be interviewed in 1985, 1989 and 1993 to permit comparison among directly adjacent units.

In 1983, the sample of all SMSAs was cut back, particularly among owned units to achieve a smaller overall sample with at least half of the units being rented whenever possible. The period of interviewing has been shortened with no interviews being conducted in January through March; any cases retained from these panels were assigned to new panel numbers. In 1984, new areas were added to cover some new SMSAs and new areas of old SMSAs (see Table 2 in the Introduction). Otherwise, the old samples were preserved, except in Houston where the old sample was considered unreliable and a completely new sample was drawn from the 1980 Census.

INTRODUCTION

The Annual Housing Survey (AHS) is a sample survey conducted yearly, starting in 1973. It provides detailed annual information to supplement the Census of Population and Housing which is conducted every 10 years.

Survey Design

The distinctive feature of the AHS is that the same housing units are surveyed in every sample year (except for those units lost or newly created). Consequently, the Annual Housing Survey is ideally suited to analyzing the flow of households through the nation's housing stock. It is also highly useful for any research on the population in general, since it contains detailed demographic and economic information on household members of the 100,000 - 200,000 units surveyed each year.

The Annual Housing Survey consists of two separate parts: (1) a yearly, national survey of housing units in all areas of the country; and (2) surveys of housing units in selected metropolitan areas. These include the largest and many of the smaller fast-growing areas in the country. Face to face interviews are conducted by the Bureau of the Census and sponsored by the U.S. Department of Housing and Urban Development.

The national survey has over 75,000 interviews per year, and data are available from 1973 on. Unfortunately, because of a systematic change in the unit identification number, the 1973 survey cannot be linked to the succeeding surveys and therefore cannot be included in the longitudinal file. Each later year is linked as it becomes available, so year to year changes in individual housing units can be counted and analyzed. See Table 1 for a breakdown of the number of cases by year.

Data from the SMSA surveys are available from 1974 on. The metropolitan surveys, with 5,000 or 15,000 interviews each, rotate over a three to four year cycle, so changes in individual units can be measured every three or four years. See Table 2 to identify the years in which interviews were conducted in individual SMSAs. (The number of interviews for each SMSA for each year is presented in Table 5 in the Geography Section.)

This codebook describes the surveys conducted from 1973 to 1983. Later surveys will be described in a future edition. Users should note that the National Survey was not done in 1982, and will only be done in odd-numbered years after that. Selected SMSAs continue to be surveyed each year. Starting in 1984 the samples and questionnaires will be extensively re-designed, and the survey will be called the American Housing Survey.

Summary of Data

Data on each household member include age, sex, marital status, race, wages, and relation to head. For the household head, length of residence, amount of schooling, and hispanic origin are also reported.

Questions on income are detailed enough to include the full range of income sources and the amounts received from each. In addition to wages, it is also possible to identify income from farms, businesses, social security, alimony, welfare, rents, dividends, interest, workmen's compensation, government pensions, veterans payments, and private pensions. Non-cash income is excluded.

Residents respond to questions about their attitudes towards neighbors, schools, shopping, housing costs, convenience to family, distance to work, time and means of transportation to work, and other matters affecting their housing choice. A number of similar items relate specifically to the decision not to live closer to the head's workplace.

Neighborhood quality data include resident comments on crime, pollution (noise, odor, smoke), street conditions (traffic, lighting, physical condition), and upkeep (abandoned or rundown buildings).

Housing quality data include plumbing and kitchen facilities; water source; heating and cooling equipment; electrical equipment; and the condition of walls, floors, roof and basement. There are also questions on breakdowns of heat, water, sewerage, power, and electricity.

Structural data include the size and age of the housing structure, its occupancy/vacancy status, the size of the dwelling unit, the tenure status of the residents, and the nonresidential uses of the building.

Cost data include mortgage payments, rent, fuel costs, insurance costs, utility costs, and fees for services such as garbage collection and parking. These items are sufficiently detailed to reflect many of the diverse patterns of housing expenditures. Homeowners also provide an assessment of the property value and the costs of additions, alterations, replacements, and repairs to a limited extent.

Residents who have moved report the type, size, facilities and costs of their previous residence. The property owners among this group indicate the sales value of the former residence and the purchase price of the new one.

Geographic data include four census regions, whether located within an SMSA, name of the SMSA, and urban/rural status. Central city/suburban status is shown where both the central city and the balance of the SMSA have populations of over 250,000. A cluster code is also included: households were selected in clusters of two or more neighboring houses which can be identified using this code, so that their responses can be compared. Variables such as STATE and COUNTY use standard federal codes.

Publications

Data volumes, with tabulations from each survey, are available from the Census Bureau. Six volumes are published from the national survey each year, and one volume for each SMSA whenever it is surveyed. Each volume costs about \$5 - 10. The same volumes are available on microfiche for about \$2 - 4 per volume. For further information write to: Customer Services, Data User Services Division, Census Bureau, Washington, DC 20233 or call (301)763-4100. (See Appendix E for a list of AHS Publications which can be ordered from the Census Bureau.)

Additional detailed tabulations not normally published can be prepared at cost on hard copy by the AHS Data Project, Abt Associates Inc., 55 Wheeler Street, Cambridge, MA 02138.

Tapes and Services Available

The AHS Data Project at Abt Associates was formed to help researchers take advantage of the detailed data tapes available from the AHS. Abt Associates took over this function from Columbia University in the fall of 1982. The AHS Data Project is committed to enhancing the value of the Annual Housing Survey data to researchers. It is responsible for serving as a clearing house for all information related to the AHS. The staff is prepared to be very flexible in meeting requests, and routine consultations are conducted free of charge. Researchers planning to conduct special analyses using this data are urged to take full advantage of the Project's services.

The data tapes prepared by the AHS Data Project differ in several ways from the files available from the Census Bureau.

- o Census releases each year of data separately, while Abt has merged the files and can release either single years of data or several years of data linked together on each house.
- o some analysis was performed on these files and obvious errors were corrected in the Abt tapes. For example, geography variables which cannot change from one year to another were compared, and discrepancies resolved.
- o Abt files are available in a common layout (fixed field lengths and order of variables) from year to year, while Census file layouts are different each year. Thus the record length of Census files is slightly shorter, since Abt always leaves space for questions that are on some questionnaires but not on all. It may be noted that Abt does not leave space for large one time supplements (like 1978 disability questions) which would greatly expand the layout. These are available by special order from Abt, while they are usually included in standard Census files.
- o Abt files are available with a fixed number of records from year to year, while Census record counts change as units are added by new construction or lost by demolition, etc. Abt files include dummy records for years before a unit joined the sample or after it dropped out. Users of Abt yearly files have the option of specifying whether they desire these dummy records to be included or excluded from their files.
- o Abt has merged non-interview records, showing why particular units were not interviewed, with the basic records of interviews. Census files for the early years do not include these records of non-interviews.

- o Because of the massaging done, Abt files for individual years are more expensive than Census files. We encourage researchers who do not need data linked across years or standardized formats to buy Census files; researchers who do need linked or standardized data, or want extracts of data should buy Abt files.
- o the variable names in this codebook are different from the ones used in the Census tapes documentation, as they attempt to be descriptive of the data. A cross-reference between our variable names and Census tapes is available from us.

Complete files and custom extracts are available from Abt or the Census Bureau. (Custom work is relatively expensive and slow at Census, cheaper and faster at Abt.) Because the complete file is unusually large, researchers primarily interested in multivariate analysis or preliminary studies are invited to request substantially reduced sample sizes, specifying sampling fractions and selecting particular units, variables, and years. (See Table 1 in this section for sample sizes for the National File and Table 5 in the Geography section for sample sizes for the SMSA Files.)

Complete files from the Census Bureau cost \$140 per reel of tape. For further information, contact: Customer Services, Data Users Services Division, Census Bureau, Washington, DC 20233.

Prices for data requests from Abt depend on the number of files used for the order. Costs vary from \$800 to \$2,400 for standard files. A small introductory file is available for \$150. Estimates for custom work are available upon request. (See Price List in Appendix E).

The AHS Data Project has available a Questionnaire Directory and copies of the questionnaires used in the surveys. The Questionnaire Directory provides frequency distributions for each variable in the Census Bureau computer files and a cross reference between variables documented in this codebook and their locations on the questionnaires. It can be ordered from the AHS Data Project for \$30.00. The Codebook and Questionnaire Directory are available for \$50.00 if ordered at the same time. Copies of the questionnaires are available for \$10.00 each from the AHS Data Project. Copies of the appropriate questionnaires will be provided free of charge with data tapes ordered from the AHS Data Project.

How To Use This Codebook

This codebook summarizes data from 20 surveys as compactly as possible, to show when comparable data are available, and to show what each code on each survey means. To keep the Codebook small, we have not re-printed the individual questions, so a researcher should refer to the questionnaires themselves for nuances of phrasing and the context of each question used.

We have tried to note major changes in phrasing in notes on each variable. In general we have tried to make as few errors as possible, but we would appreciate hearing of any mistakes or omissions. We will develop errata sheets as necessary. We appreciate the suggestions received from several users and thank them for bringing up some errors to our attention.

This codebook lists each variable available on the 1973-83 National and 1974-83 SMSA Public Use Files. An Alphabetical Index is included at the end of this document to facilitate access to the detailed description of each variable. Detailed entries are presented in broad subject groupings. Because the subject groupings are subjective, a brief description of the content of each grouping is presented at the beginning of each section. In several sections, tables have been added to assist the user in determining the skip patterns used in coding the variables.

Each detailed entry is numbered for easy reference and is assigned a short variable name. It includes a brief description, a list of the years and type of survey (National and SMSA) for which the data is available, and documentation of the codes. Changes in coding convention from year to year are documented. Short notes are added as appropriate to clarify a definition or to highlight a problem with the data item.

The data for the National Survey are released in two steps each year. Core variables, based on the unchanging "core" questions in the survey, are released first. The full file generally becomes available a year later. Since many people may be interested in knowing which data are released early, these core variables are identified in the documentation.

Several appendices are included. Appendix A discusses the different types of interviews and non-interviews, presents definitions of the key variables collected in the AHS survey and highlights some of the problems associated with the data. Appendix B discusses the sampling plan for both the National and SMSA Surveys, the derivation of the weights provided in the AHS files and a formula for variance calculation. Appendix C includes some programming commands to derive two indices of housing inadequacy and a classification scheme for household composition. Finally, Appendix D discusses the treatment of missing data.

Special Considerations

Recoded Variables. The AHS tapes contain some variables which were generated by the Census Bureau, and which are referred to as Recoded variables in this Codebook. Most of these variable names start with the letter Z. Experience from previous research and from reports from AHS users indicates that these variables should be used with care, since they may not always meet the specific needs of a given analysis. In a few instances, where specific problems have been identified, a note is included in the documentation. In other cases, it is recommended that researchers consider the option of deriving their own variables, since in most instances the raw variables are also available in the data files. The AHS Data Project staff will be happy to assist with any questions on recoded variables.

Treatment of Missing Data. There are three sources of missing data in the Annual Housing Survey: non-interviewed units, unanswered questions that did not apply to the unit and unanswered questions that did apply to the unit. These are generally identified by allocation variables or by "not answered" or "not applicable" codes.

In general, the label "Not Answered" indicates that the question was applicable to the particular unit, but an answer was not provided. For some variables, the data base includes a code for "not answered" (usually "8", "98"). For other variables, the Census Bureau assigns, or "allocates" responses to unanswered questions by copying the responses of a similar unit. This procedure preserves the distribution of responses within a variable, and preserves the mean. However, allocated data should be avoided in most statistical analyses of the relation between two variables and in longitudinal analyses. Allocated variables are identified in the main body of the Codebook. Appendix D on Missing Data and Allocation Variables explains this process more fully. The Questionnaire Directory shows the allocation variable name for each variable subject to allocation.

The label "Not Applicable" includes three types of non-responses: (1) the interview did not take place, (2) the unit was not in the sample and a dummy record was created, and (3) the question was not intended to be asked of the respondent, as determined by the skip pattern. The skip patterns used in the Annual Housing Survey Questionnaires are very complex. Because of cost constraints it was not possible to document these patterns for all variables in this version of the codebook. Several tables have been added to this revised version of the Codebook to assist users in following the conventions used by the Census Bureau in coding some of the more complex skip patterns. Where researchers find more "not applicable" cases than would be expected due to vacant units, non-interviews, or other obvious skip patterns, they should trace the precise skip instructions in the questionnaire.

In using the codebook, users will notice that more than one "not applicable" code may appear for the same year (e.g., 9 and 99). This occurs for those variables which changed field length over the years in the Census tapes. As mentioned above, the Abt tapes are processed in a constant layout for all years. In such cases the smaller code (e.g., 9) identifies cases which were on the original Census tape and to whom the question was not applicable. The larger code (e.g., 99) was filled in by Abt on dummy cases which represent years before a case joined the sample or after it dropped out.

Table 1: NUMBER OF NATIONAL CASES BY INTERVIEW STATUS, BY YEAR

	<u>Interview (Occupied)</u>	<u>Interview (URE)</u>	<u>Interview (Vacant)</u>	<u>Non- Interview</u>	<u>Total</u>	<u>Dates of Interviews</u>
1973						7/25/73-11/05/73
1974	60,883	829	6,887	34,412	103,011	7/29/74-11/04/74
1975	61,362	459	7,079	34,111	103,011	9/29/75-12/31/75
1976	63,136	432	7,428	32,015	103,011	9/20/76-1/14/77
1977	58,727	369	7,172	36,743	103,011	10/17/77-2/13/78
1978	59,710	366	7,401	35,534	103,011	9/26/78-2/06/79
1979	60,881	406	7,707	34,017	103,011	8/28/79-12/21/79
1980	62,007	482	7,806	32,716	103,011	8/13/80-12/29/80
1981	47,777	312	5,383	49,539	103,011	8/04/81-1/15/82
1983	60,680	486	7,785	34,060	103,011	7/28/83-1/20/84

Note: The count of non-interviews includes units not yet in the sample, units dropped from the sample, and units missing from the sample.

Table 2

ANNUAL HOUSING SURVEY METROPOLITAN AREAS

Name	Survey Year													
	74	75	76	77	78	79	80	81	82	83	84	85	86	87
Albany-Schenectady-Troy, N.Y.	X		X				X							
Allentown-Bethlehem-Easton, Pa.-N.J.			X				X							
Anaheim-Santa Ana-Garden Grove, Calif.	X		X					X					X	
Atlanta, Ga.		X			X				X					X
Baltimore, Md.			X			X				X				X
Birmingham, Ala.			X				X				X			
Boston, Mass. 1/	X		X					X				X		
Buffalo, N.Y.			X			X					X			
Chicago, Ill.		X				X				X				X
Cincinnati, Ohio-Ky.-Ind.		X			X				X				X	
Cleveland, Ohio			X			X					X			
Colorado Springs, Colo.		X			X									
Columbus, Ohio		X			X				X					X
Dallas, Tex. 2/	X		X					X				X		
Denver, Colo.			X			X				X			X	
Detroit, Mich.	X		X					X				X		
Fort Worth, Tex. 2/	X		X					X						
Grand Rapids, Mich.			X				X							
Hartford, Conn.		X				X				X				X
Honolulu, Hawaii			X			X				X				
Houston, Tex.			X			X				X				X
Indianapolis, Ind.			X				X				X			
Kansas City, Mo.-Kans.		X			X				X				X	
Las Vegas, Nev.			X			X								
Los Angeles-Long Beach, Calif.	X		X				X					X		
Louisville, Ky.-Ind.			X				X			X				
Madison, Wis.		X			X			X						
Memphis, Tenn.-Ark.	X		X				X				X			
Miami, Fla. 3/		X				X				X			X	
Milwaukee, Wis.		X				X					X			
Minneapolis-St. Paul, Minn.	X		X					X				X		
Nassau-Suffolk, N.Y. 4/														X
New Orleans, La.		X			X				X				X	
New York, N.Y. 4/			X				X			X				X
Newark, N.J. 5/	X		X					X						X
Newport News-Hampton, Va. 6/		X			X						X			
Northeastern, N.J. 5/														X
Oklahoma City, Okla.			X				X				X			
Omaha, Nebr.-Iowa			X			X								
Orlando, Fla.	X		X					X						
Paterson-Clifton-Passaic, N.J. 5/		X			X				X					
Philadelphia, Pa.-N.J.		X			X				X				X	
Phoenix, Ariz.	X		X					X				X		
Pittsburgh, Pa.	X		X					X						X
Portland, Oreg.-Wash.		X				X				X			X	
Providence-Pawtucket-Warwick, R.I.-Mass.			X			X					X			
Raleigh, N.C.			X			X								
Rochester, N.Y.		X			X				X				X	
Sacramento, Calif.			X				X			X				
Saginaw, Mich.	X		X				X							
Salt Lake City, Utah 7/	X		X				X				X			
San Antonio, Tex.		X			X				X				X	
San Bernardino-Riverside-Ontario, Calif.		X			X				X				X	
San Diego, Calif.		X			X				X					X
San Francisco-Oakland, Calif.		X			X				X					
San Jose, Calif.											X			
St. Louis, Mo.-Ill.			X				X			X				X
Seattle-Everett, Wash. 8/			X			X				X				X
Springfield-Chicopee-Holyoke, Mass.-Conn.		X			X									
Spokane, Wash.	X		X					X						
Tacoma, Wash. 8/	X		X					X						
Tampa-St. Petersburg, Fla.												X		
Washington, D.C.-Md.-Va.	X		X					X				X		
Wichita, Kans.	X		X					X						

1/ In 1985 the entire CMSA rather than only the SMSA will be included.

2/ In 1985 the Dallas and Fort Worth areas will be combined.

3/ In 1986 the Fort Lauderdale area will be added.

4/ In 1987 data will be shown separately for Nassau-Suffolk and not be combined with New York as in previous years.

5/ In 1987 Northeastern, N.J. includes the Newark and Paterson-Clifton-Passaic areas.

6/ In 1984 will be combined with Norfolk.

7/ In 1984 Ogden area will be added.

8/ In 1987 Seattle and Tacoma areas will be combined.

Data on geography describe the geographic location of the unit (region, SMSA, state, county) and the type of place in which it is located (e.g., urban/rural; SMSA/non-SMSA; central city/suburb; place size).

If data from the national file are being used, it is important to note that normally cases for which the variable "RURREC" equals 2 should be excluded, since these cases double-count some units. These extra cases are only on the file for certain specialized rural analyses, which are explained in Appendix B, section 4.5.

GEOGRAPHY

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0001	REGION	73N-81N 83N	Census Region 1 Northeast 2 North Central 3 South 4 West Note: The boundaries of each region are shown in a map in Appendix A. The Ohio portion of the Huntington-Ashland SMSA, the Indiana portion of the Louisville SMSA, and the New Jersey portion of the Wilmington SMSA are each included in the South region where the bulk of the SMSA is located.	C
0002	ZMETRO	74N-81N 83N	SMSA/NonSMSA Status 1 Inside SMSA 2 Outside SMSA	C
0003	METRO	73N-81N 83N 74S-83S	Central City/Suburban Status 73N 74S- 74N- 83S 81N, 83N 1 1 1 Central City of SMSA 2 3 2 SMSA, But Not In Central City 3 Not In SMSA 2 4 Second Central City, i.e., St. Paul, MN; Long Beach, CA; Oakland, CA 9 9 Nonmetropolitan Or In One Of The SMSAs Listed Without A Star Under The Variable "SMSA" Note: From 1974 on, METRO is coded "9" in the medium-sized SMSAs so a central city/suburban break cannot be done for these SMSAs.	C
0004	URBAN	73N-81N 83N	Urban Status 73N 74N 76N 78N- 75N 77N 81N, 83N 1 1 1 1 Urban (Population 2500+) 2 2 Rural 2 Rural Farm 3 Rural Farm GT 10 Acres 3 Rural Farm LT 10 Acres 3 Rural Nonfarm 4 Rural Nonfarm GT 10 Acres 5 Rural Nonfarm LT 10 Acres 9 9 In One Of The 125 SMSAs Listed Under The Variable "SMSA" (Either Urban Or Rural) 9 Rural Type C Non-Interview Or In One Of The SMSAs Listed Without A Star Under The Variable "SMSA"	C
0005	LUC	73N	Land Use Code 1 Urban 2 Large Rural Farm 3 Small Rural Farm 4 Large Rural Nonfarm 5 Small Rural Nonfarm	
0006	LOT	73N-81N 83N 74S-83S	Is This House/Apartment On A Lot Of 10 Acres Or More 1 Yes 2 No 9 Not Applicable	C
0007	CROP5	78N-81N 83N 82S-83S	Crop Sales \$50 Or More In The Last 12 Months 1 Yes 2 No 9 Not Applicable	C
0008	CROP25	78N-81N 83N 82S-83S	Crop Sales \$250 Or More In The Last 12 Months 1 Yes 2 No 9 Not Applicable	C

REF#	NAME	DATES(S)	DESCRIPTION	NOTES																																												
0009	CROPSL	76N-81N 83N 77S-83S	Crop Sales \$1000 Or More In The Last 12 Months 76N-81N 77S-83S 83N <table border="1"> <tr> <td>1</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>2</td> <td>2</td> <td>No</td> </tr> <tr> <td>8</td> <td></td> <td>Not Answered</td> </tr> <tr> <td>9</td> <td>9</td> <td>Not Applicable</td> </tr> </table>	1	1	Yes	2	2	No	8		Not Answered	9	9	Not Applicable	C																																
1	1	Yes																																														
2	2	No																																														
8		Not Answered																																														
9	9	Not Applicable																																														
0010	RURREC	74N-81N 83N	Rural Recode <table border="1"> <tr> <td>1</td> <td colspan="2">In The Basic National Sample</td> </tr> <tr> <td>2</td> <td colspan="2">In Extra Sample Of Rural Portion Of The 125 SMSAs Listed Under The Variable SMSA</td> </tr> </table> <p>Note: Cases coded "1" form a complete sample of the country, including in most years a double rural sample everywhere except in the 125 SMSAs. The variable WEIGHT is adjusted properly so that if you analyze only cases coded "1" (weighting each case by WEIGHT), you will have an accurate representation of the entire country. Therefore, most analyses will only include cases coded "1" and exclude cases coded "2". Cases coded "2" are only on the file for certain specialized rural analyses, which are explained in Appendix B, Section 4.5.</p>	1	In The Basic National Sample		2	In Extra Sample Of Rural Portion Of The 125 SMSAs Listed Under The Variable SMSA		C																																						
1	In The Basic National Sample																																															
2	In Extra Sample Of Rural Portion Of The 125 SMSAs Listed Under The Variable SMSA																																															
0011	POP	73N-81N 83N	Place Size <table border="1"> <tr> <td></td> <td>73N</td> <td>74N-81N</td> <td></td> </tr> <tr> <td></td> <td></td> <td>83N</td> <td></td> </tr> <tr> <td>1</td> <td>1</td> <td>5,000-19,999</td> <td></td> </tr> <tr> <td>2</td> <td>2</td> <td>20,000-49,999</td> <td></td> </tr> <tr> <td>3</td> <td></td> <td>50,000-99,999</td> <td></td> </tr> <tr> <td>4</td> <td></td> <td>100,000-249,999</td> <td></td> </tr> <tr> <td>5</td> <td></td> <td>250,000-499,999</td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>500,000-999,999</td> <td></td> </tr> <tr> <td>7</td> <td></td> <td>1,000,000 Or More</td> <td></td> </tr> <tr> <td>9</td> <td></td> <td>0-5,000 Or Nonplace</td> <td></td> </tr> <tr> <td></td> <td>9</td> <td>0-5,000 Or Nonplace Or Inside SMSA</td> <td></td> </tr> </table>		73N	74N-81N				83N		1	1	5,000-19,999		2	2	20,000-49,999		3		50,000-99,999		4		100,000-249,999		5		250,000-499,999		6		500,000-999,999		7		1,000,000 Or More		9		0-5,000 Or Nonplace			9	0-5,000 Or Nonplace Or Inside SMSA		
	73N	74N-81N																																														
		83N																																														
1	1	5,000-19,999																																														
2	2	20,000-49,999																																														
3		50,000-99,999																																														
4		100,000-249,999																																														
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6		500,000-999,999																																														
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	9	0-5,000 Or Nonplace Or Inside SMSA																																														
0012	COUNTY	74S-83S	County Codes <p>Note: County codes are shown in Table 5 of this section. They appear only in the SMSA files, and only for the SMSAs indicated.</p>																																													
0013	STATE	74S-83S	State Codes <p>Note: State codes are shown in Table 5 of this section. They appear only in the SMSA files, and only for the SMSAs indicated.</p>																																													
0014	SBAREA	74S-83S	Socio-economically Homogeneous Area of Greater Than 100,000 Population <p>Note: Maps Showing Each Sub-area Will Be Provided When The Data Are Released. Note Also That These Sub-areas Are Not Intended for Use in Separate Analyses, but Rather As Analytic Building Blocks, Because the Limited Sample Size In Each Sub-area Will Preclude Reliable Results for Any Single Area.</p>																																													
0015	TRACT	74S-83S	Census Tract for 1970 Containing Case <p>Note: Number Does Not Correspond To Real Census Tract Numbers in Order To Preserve Confidentiality. If More Than 20 Sample Cases In Tract Then Cases Are Split Between Two Pseudo Tract Numbers With No More Than 20 Cases In Each Pseudo Tract. If a Tract Crosses a City Line, Each Section is Treated as a Separate Pseudo Tract.</p>																																													

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
C = Core variable (For National Surveys only)
N = National Survey
S = SMSA Survey

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0016	PLACE	73N	Place Code of Central City	
			0150 Atlanta	
			0025 Baltimore	
			0440 Boston	
			0450 Buffalo	
			1051 Chicago	
			0865 Cincinnati	
			0900 Cleveland	
			0960 Columbus	
			1085 Dallas	
			0320 Denver	
			0680 Detroit	
			1975 Houston	
			1145 Indianapolis	
			1000 Jacksonville	
			2220 Kansas City	
			1610 Long Beach, CA	
			1630 Los Angeles	
			0940 Memphis	
			1645 Milwaukee	
			2585 Minneapolis	
			1016 Nashville	
			0956 New Orleans	
			2505 New York	
			1970 Oakland, CA	
			1815 Oklahoma City	
			7180 Philadelphia	
			0260 Phoenix	
			7234 Pittsburgh	
			0905 Portland, OR	
			3745 San Antonio	
			2475 San Diego	
			2485 San Francisco	
			2510 San Jose	
			1140 Seattle	
			3875 St. Louis	
			0005 Washington, DC	
			4265 On Tape, Unidentified	
			9999 Other, Suppressed	

Note: Census documentation erroneously indicates that the code for Buffalo is 0405. The correct code for Buffalo is 0450, as listed here.

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0017	SMSA	74N-81N 83N 74S-83S	SMSA, Defined by 1971 Boundaries This table lists the SMSAs identified on the files, and indicates with a "*" whether a distinction between central city and non-central city (suburbs) is available in the variable METRO. SMSAs are as defined by the Office of Management and Budget for the 1970 census publications.	C
			0080 *Akron, OH	
			0160 *Albany-Schenectady-Troy, NY	
			0200 Albuquerque, NM	
			0240 Allentown-Bethlehem-Easton, PA-NJ	
			0360 *Anaheim-Santa Ana-Garden Grove, CA	
			0460 Appleton-Oshkosh, WI	
			0520 *Atlanta, GA	
			0600 Augusta, GA-SC	
			0640 Austin, TX	
			0680 Bakersfield, CA	
			0720 *Baltimore, MD	
			0760 Baton Rouge, LA	
			0840 Beaumont-Port Arthur-Orange, TX	
			0960 Binghamton, NY-PA	
			1000 *Birmingham, AL	
			1120 *Boston, MA	
			1160 Bridgeport, CT	
			1280 *Buffalo, NY	
			1320 Canton, OH	
			1440 Charleston, SC	
			1520 Charlotte, NC	
			1560 Chattanooga, TN-GA	
			1600 *Chicago, IL	
			1640 *Cincinnati, OH-KY-IN	
			1680 *Cleveland, OH	
			(1720) Colorado Springs, CO (SMSA Surveys Only)	
			1760 Columbia, SC	
			1840 *Columbus, OH	
			1880 Corpus Christi, TX	
			1920 *Dallas, TX	
			1960 Davenport-Rock Island-Moline, IA-IL	
			2000 Dayton, OH	
			2080 *Denver, CO	
			2120 Des Moines, IA	
			2160 *Detroit, MI	
			2240 Duluth-Superior, MN-WI	
			2320 El Paso, TX	
			2380 Erie, PA	
			2640 Flint, MI	
			2680 Fort Lauderdale-Hollywood, FL	
			2760 Fort Wayne, IN	
			2800 *Ft. Worth, TX	
			2840 Fresno, CA	
			2960 *Gary-Hammond-East Chicago, IN	
			3000 Grand Rapids, MI	
			3120 *Greensboro-Winston Salem-High Point, NC	
			3160 Greenville, SC	
			3240 Harrisburg, PA	
			3280 Hartford, CT	
			3320 *Honolulu, HI	
			3360 *Houston, TX	
			3400 Huntington-Ashland, WV-KY-OH	
			3480 *Indianapolis, IN	
			3560 Jackson, MS	
			3600 Jacksonville, FL	
			3640 *Jersey City, NJ	
			3680 Johnstown, PA	
			3760 *Kansas City, MO-KS	

(Continued On Next Page)

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
3840	Knoxville,		TN	
4000	Lancaster,		PA	
4040	Lansing,		MI	
4120	Las Vegas,		NV	
4400	Little Rock-North Little Rock,		AR	
4440	Lorain-Elyria,		OH	
4480	*Los Angeles-Long Beach,		CA	
4520	*Louisville,		KY-IN	
4720	Madison,		WI	
4920	Memphis,		TN-AR	
5000	*Miami,		FL	
5080	*Milwaukee,		WI	
5120	*Minneapolis-St. Paul,		MN	
5160	Mobile,		AL	
5360	Nashville-Davidson,		TN	
5480	New Haven-West Haven,		CT	
5560	*New Orleans,		LA	
5600	*New York City,		NY	
5640	*Newark,		NJ	
5680	Newport News-Hampton,		VA	
5720	*Norfolk-Portsmouth,		VA	
5880	*Oklahoma City,		OK	
5920	Omaha,		NE-IA	
5960	Orlando,		FL	
6000	Oxnard-Ventura,		CA	
6040	*Paterson-Clifton-Passaic,		NJ	
6120	Peoria,		IL	
6160	*Philadelphia,		PA	
6200	*Phoenix,		AZ	
6280	*Pittsburgh,		PA	
6440	*Portland,		OR-WA	
6480	*Providence-Warwick-Pawtucket,		RI-MA	
(6640)	Raleigh,		NC (SMSA Surveys Only)	
6680	Reading,		PA	
6760	Richmond,		VA	
6840	*Rochester,		NY	
6880	Rockford,		IL	
6920	*Sacramento,		CA	
7040	*St. Louis,		MO-IL	
7120	Salinas-Seaside-Monterey,		CA	
7160	Salt Lake City,		UT	
7240	San Antonio,		TX	
7280	*San Bernardino-Riverside-Ontario,		CA	
7320	*San Diego,		CA	
7360	*San Francisco-Oakland,		CA	
7400	*San Jose,		CA	
7480	Santa Barbara,		CA	
7600	*Seattle-Everett,		WA	
7680	Shreveport,		LA	
7800	South Bend,		IN	
7840	Spokane,		WA	
8000	Springfield-Chicopee-Holyoke,		MA-CT	
8120	Stockton,		CA	
8160	Syracuse,		NY	
8200	Tacoma,		WA	
8280	*Tampa-St. Petersburg,		FL	
8400	*Toledo,		OH-MI	
8480	Trenton,		NJ	
8520	Tucson,		AZ	
8560	Tulsa,		OK	
8680	Utica-Rome,		NY	
8840	*Washington,		DC-MD-VA	
8960	West Palm Beach-Boca Raton,		FL	
9040	Wichita,		KS	
9120	Wilkes-Barre-Hazleton,		PA	
9160	Wilmington,		DE-MD-NJ	
9240	Worcester,		MA	
9280	York,		PA	
9320	Youngstown-Warren,		OH	
9999	Non-Metro Or Suppressed SMSA			

Note: 9999 code not present in SMSA tapes

Table 4: COMPARISON OF NATIONAL GEOGRAPHIC VARIABLES

This chart applies explicitly to national data tapes from 1978 on. National tapes from 1974-77 show all the same codes, except for some changes in sub-types of rural areas shown in the variable "URBAN". The 1973 national tape has entirely different geographic codes. The SMSA tapes show only the variables "SMSA" and "METRO" from this page, but SMSA tapes also include the variables "COUNTY" and "STATE". For details see the description of each variable in the Codebook. On all national tapes there is another variable, "REGION", available to identify the census regions in which each housing unit is located.

RURREC	ZMETRO	SMSA	METRO	URBAN	POP	
1-U.S.	2-NONMETRO	9999-NONMETRO	9-NONMETRO	1-URBAN	1-5,000 TO 19,999	
				2-RURAL FARM 3-RURAL NON-FARM	2-20,000 TO 49,999 9-2,500 TO 4,999	
	1-METRO	9999-SMSAS 0 TO 250,000 POPULATION, NOT ON LIST 200-ALBUQUERQUE SMSA 240-ALLENTOWN SMSA ... 9288-YORK SMSA 9320-YOUNGSTOWN SMSA 80-AKRON SMSA 160-ALBANY SMSA 360-ANAHEIM SMSA ... 8288-TAMPA SMSA 8400-TOLEDO SMSA 8840-WASHINGTON SMSA 4480-LOS ANGELES SMSA 5120-MINNEAPOLIS SMSA 7360-SAN FRANCISCO SMSA	1-CENTRAL CITIES 2-SUBURBS	1-URBAN 2-RURAL FARM 3-RURAL NON-FARM	9-0 TO 2,499 OR NONPLACE	
			9-SMSAS ON LIST WITHOUT "X", INDICATING THAT CITY AND SUBURBS ARE NOT SEPARATELY IDENTIFIED	1-URBAN 2-RURAL FARM 3-RURAL NON-FARM	9-METRO	
			1-CENTRAL CITY(S) 2-SUBURBS	9-LISTED SMSA		
			1-CENTRAL CITY(S) 2-SUBURBS			
			1-CENTRAL CITY(S) 2-SUBURBS			
		
			1-CENTRAL CITY(S) 2-SUBURBS			
			1-CENTRAL CITY(S) 2-SUBURBS			
			1-CENTRAL CITY(S) 2-SUBURBS			
			1-LOS ANGELES 4-LONG BEACH 2-SUBURBS			
			1-MINNEAPOLIS 4-ST. PAUL 2-SUBURBS			
			1-SAN FRANCISCO 4-OAKLAND 2-SUBURBS			
			2-SELECTED RURAL CASES			9999-IN SUBURBS OF LISTED SMSA, BUT WE DON'T KNOW WHICH

Note: Error = cases accidentally interviewed which should not be in sample and have weight of 0.

Table 5: GEOGRAPHIC CODES ON AHS SMSA FILES (Revised June 14, 1985)

The following table provides a list of all the geographic areas identified on the Annual Housing Survey SMSA Public Use Tapes. Counties and parts of counties have been grouped together on the tapes to avoid identification of the respondents. Each group is described separately below, along with the codes for its geographic variables (SMSA, STATE, COUNTY, METRO) and its sample size. The table also shows when each SMSA was or will be interviewed. Up to three dates (past and future) are shown for each SMSA. The table will be updated to include 1984 numbers when available.

SMSA Wave				S M S A	T T E	C O U N T Y	M E T R O	# OF CASES		
1	2	3	SMSA NAME					FIRST WAVE	SECOND WAVE	THIRD WAVE
74	77	80	Albany-Schenectady-Troy, NY					5,464	5,182	5,736
			Albany, Schenectady & Troy Cities	160	36	999	1	2,037	1,892	2,042
			In Albany, Rennselaer, & Schenectady Counties							
			Balance Albany, Schenectady, & Rennselaer Cos.; All Saratoga Co.	160	36	999	3	3,427	3,290	3,694
76	80	NA	Allentown-Bethlehem-Easton, PA-NJ					5,022	5,208	
			All Lehigh Co, PA Incl. Allentown	240	42	077	9	2,355	2,457	
			All Northampton Co., PA, Incl. Bethlehem & Easton Cities; All Warren Co., NJ	240	99	999	9	2,667	2,751	
74	77	81	Anaheim-Santa Ana-Garden Grove, CA					5,154	5,531	4,939
			Anaheim, Santa Ana, & Garden Grove Cities in Orange County	360	06	999	1	1,447	1,449	1,219
			Balance Orange County	360	06	999	3	3,707	4,082	3,720
75	78	82	Atlanta, GA					15,002	15,537	4,250
			Atlanta in Fulton County	520	13	888	1	7,351	7,175	1,173
			Balance Fulton County	520	13	888	3	4,332	4,533	1,558
			All Cobb, Clayton, & Gwinnett Cos.	520	13	999	3	3,319	3,829	1,519
76	79	83	Baltimore, MD					5,270	5,436	4,287
			Baltimore City	720	24	510	1	2,092	2,027	1,626
			Baltimore County	720	24	005	3	1,573	1,641	1,307
			All Harford, Carroll, Howard, & Anne Arundel Counties	720	24	999	3	1,605	1,768	1,354
76	80	84	Birmingham, AL					5,235	5,408	
			Birmingham in Jefferson County	1000	01	999	1	2,037	2,028	
			Balance Jefferson County; All Shelby, Walker Counties	1000	01	999	3	3,198	3,380	
74	77	81	Boston, MA					15,969	15,245	5,701
			Boston in Suffolk County	1120	25	999	1	7,982	7,552	2,757
			Balance SMSA (Portions of Suffolk, Essex, Middlesex, Norfolk, & Plymouth Counties--See Map in Published Volume, Current Housing Reports H-170-74-3)	1120	25	999	3	7,987	7,693	2,944
76	79	84	Buffalo, NY					5,287	5,240	
			Buffalo in Erie County	1280	36	999	1	1,871	1,766	
			Balance Erie Co.; Niagara Co.	1280	36	999	3	3,416	3,474	

Table 5: GEOGRAPHIC CODES ON AHS SMSA FILES (Continued)

SMSA Wave				S M S A	T T T E	O U N T	M E R O	# OF CASES		
1	2	3	SMSA NAME					FIRST WAVE	SECOND WAVE	THIRD WAVE
75	79	83	Chicago, IL					15,494	16,256	8,570
			Chicago in Cook County	1600	17	031	1	7,700	7,508	4,036
			Balance Cook County	1600	17	031	3	4,581	4,932	2,555
			Du Page County	1600	17	043	3	1,076	1,359	708
			Kane County	1600	17	089	3	555	614	305
			Lake County	1600	17	097	3	761	880	467
			McHenry & Will Counties	1600	17	999	3	821	963	499
			(NOTE: Part of Chicago, O'Hare Airport, is in Du Page County, but no one lives there. Therefore, "Chicago in Du Page County" is not separately identified.)							
75	78	82	Cincinnati, Oh-KY-IN					5,129	5,423	4,228
			Cincinnati in Hamilton Co.; OH	1640	39	999	1	1,798	1,332	1,332
			Balance Hamilton Co., All Clermont, Warren Counties, OH	1640	39	999	3	2,247	2,497	1,978
			Dearborn Co., IN: Boone, Campbell, & Kenton Counties, KY	1640	88	999	3	1,084	1,153	918
76	79	84	Cleveland, OH					5,229	5,215	
			Cleveland in Cuyahoga County	1680	39	035	1	1,895	1,751	
			Balance Cuyahoga County	1680	39	035	3	2,457	2,498	
			Geauga, Lake, & Medina Counties	1680	39	999	3	877	966	
75	78	NA	Colorado Springs, CO					5,204	5,477	
			All El Paso County, Incl. Colorado Springs	1720	08	999	9	5,204	5,477	
75	78	82	Columbus, OH					5,213	5,476	4,250
			Columbus In Franklin County	1840	39	999	1	3,252	3,290	2,505
			Balance Franklin County	1840	39	999	3	1,961	2,186	1,745
74	77	81	Dallas, TX					5,135	5,166	4,802
			Dallas City in Dallas County	1920	48	999	1	2,838	2,734	2,416
			Balance Dallas Co., Collin, Denton, Ellis, Kaufman, & Rockwell Cos.	1920	48	999	3	2,297	2,432	2,386
76	79	83	Denver, CO					5,318	5,891	4,304
			Denver City/County	2080	08	031	1	2,069	2,092	1,477
			Adams & Arapahoe Counties	2080	08	777	3	1,521	1,835	1,393
			Boulder & Jefferson Counties	2080	08	888	3	1,728	1,964	1,434
74	77	81	Detroit, MI					15,273	14,286	5,299
			Detroit in Wayne County	2160	26	163	1	7,626	6,767	2,386
			Balance Wayne County	2160	26	163	3	3,207	3,038	1,144
			Macomb County	2160	26	099	3	1,702	1,715	669
			Oakland County	2160	26	125	3	2,738	2,766	1,100
74	77	81	Ft. Worth, TX					5,311	5,443	5,137
			Ft. Worth In Tarrant County	2800	48	999	1	2,670	2,556	2,179
			Balance Tarrant Co, All Johnson Co.	2800	48	999	3	2,641	2,887	2,958
76	80	NA	Grand Rapids, MI					5,145	5,441	
			All Ken County Incl. Grand Rapids; All Ottawa County	3000	26	999	9	5,145	5,441	

Table 5: GEOGRAPHIC CODES ON AHS SMSA FILES (Continued)

SMSA Wave 1 2 3	SMSA NAME	S M S A	S T T E	C O U N T Y	M T R O	# OF CASES		
						FIRST WAVE	SECOND WAVE	THIRD WAVE
75 79 83	Hartford, CT All Hartford County Incl. Hartford City; Balance SMSA (Portions of Tolland & Middlesex--See Map in Current Housing Reports.)	3280	09	999	9	5,248	5,494	4,287
76 79 83	Honolulu, HI Honolulu City in Honolulu County Balance Honolulu County (Oahu Is.)	3320	15	999	3	5,048	5,155	4,274
						2,717	2,748	2,150
						2,330	2,407	2,124
76 79 83	Houston, TX Houston in Harris County Balance Harris Co, All Brazoria, Fort Bend, Liberty, Montgomery Counties	3360	48	999	3	17,386	19,360	4,165
						7,905	8,375	2,329
						9,478	10,985	1,836
76 80 84	Indianapolis, IN Indianapolis in Marion County Balance Marion County; All Boone Hamilton, Hancock, Hendricks, Johnson, Morgan, & Shelby Cos.	3480	18	999	3	5,224	5,363	
						3,479	3,489	
						1,745	1,874	
75 78 82	Kansas City, MO-KS Kansas City in Clay, Jackson & Platte Counties, MO Balance Clay, Jackson, Platte Cos, MO; All Cass Co, MO Johnson, Wyandotte Counties, KS (NOTE: Kansas City, KS is not a central city. It is wrongly shown as a central city on the map in the 1975 SMSA Volume.)	3760	29	999	3	5,156	5,374	4,085
						2,186	2,136	1,563
						1,420	1,563	1,218
						1,540	1,675	1,304
76 79 NA	Las Vegas, NV All Clark Co, Incl. Las Vegas	4120	32	999	9	5,400	6,983	
						5,400	6,983	
74 77 80	Los Angeles-Long Beach, CA Los Angeles City in Los Angeles Co. Long Beach in Los Angeles County Balance Los Angeles County	4480	06	999	3	15,561	14,538	14,918
						6,818	6,370	6,537
						967	889	903
						7,776	7,279	7,478
76 80 83	Louisville, KY-IN Louisville in Jefferson Co, KY Balance Jefferson Co, KY, All Clark & Floyd Counties, IN	4520	99	999	3	5,258	5,352	4,276
						2,276	2,203	1,779
						2,982	3,149	2,497
75 77 81	Madison, WI All Dane County Incl. Madison	4720	55	999	9	5,394	5,258	4,604
						5,394	5,258	4,604
74 77 80	Memphis, TN-AR All Shelby Co, TN, Incl. Memphis, All Crittenden County, AR	4920	99	999	9	4,462	4,936	5,452
						4,462	4,936	5,452
75 79 83	Miami, FL Miami in Dade County Balance Dade County	5000	12	999	3	5,010	5,575	4,258
						1,215	1,243	915
						3,795	4,332	3,343
75 79 84	Milwaukee, WI Milwaukee City in Milwaukee County Balance Milwaukee County Washington, Waukesha & Ozaukee Cos.	5080	55	079	3	5,229	5,541	
						2,709	2,712	
						1,218	1,301	
						1,308	1,528	

Table 5: GEOGRAPHIC CODES ON AHS SMSA FILES (Continued)

SMSA Wave				SMSA NAME	S O M				# OF CASES		
					S M S A	T A T E	U N T Y	E R O	FIRST WAVE	SECOND WAVE	THIRD WAVE
74	77	81		Minneapolis-St. Paul, MI					5,040	4,827	4,330
				Minneapolis in Hennepin County	5120	27	053	1	1,357	1,194	989
				Balance Hennepin County	5120	27	053	3	1,338	1,363	1,254
				St. Paul in Ramsey County	5120	27	999	2	909	799	671
				Balance Ramsey County, all Anoka Dakota, Washington Cos.	5120	27	999	3	1,436	1,471	1,416
75	78	82		New Orleans, LA					5,168	5,550	4,281
				New Orleans City in Orleans Parish	5560	22	071	1	2,769	2,762	2,059
				Balance Orleans Parish; All Jefferson, St. Bernard, & Tammany Parishes	5560	22	999	3	2,399	2,788	2,222
76	80	83		New York City, NY					16,121	14,823	8,573
				Bronx County in New York City	5600	36	005	1	1,389	1,243	994
				Kings Co (Brooklyn) in NYC	5600	36	047	1	2,387	2,159	1,759
				New York Co (Manhattan) in NYC	5600	36	061	1	2,013	1,833	1,522
				Queens County in New York City	5600	36	081	1	1,892	1,681	1,402
				Nassau County	5600	36	059	3	2,833	2,616	922
				Richmond County (Staten Is.) NYC	5600	36	085	1	272	262	217
				Suffolk County	5600	36	103	3	2,727	2,633	936
				Rockland & Westchester Counties	5600	36	999	3	2,624	2,396	821
74	77	81		Newark, NJ					5,100	4,819	3,946
				Newark in Essex County	5640	34	013	1	1,006	928	723
				Balance Essex County	5640	34	013	3	1,581	1,511	1,218
				Morris County	5640	34	027	3	1,046	1,042	902
				Union County	5640	34	039	3	1,467	1,338	1,103
75	78	84		Newport News-Hampton, VA					4,597	4,615	
				All York County, Incl. Newport News & Hampton	5680	51	999	9	4,597	4,615	
76	80	84		Oklahoma City, OK					5,328	5,698	
				Oklahoma City in Oklahoma, Canadian & Cleveland Counties	5880	40	999	1	3,109	3,208	
				Balance Oklahoma, Canadian & Cleveland Counties	5880	40	999	3	2,219	2,490	
76	79	NA		Omaha, NB					5,218	5,323	
				All Douglas County, Incl. Omaha, All Pottawattamie & Sarpy Cos.	5920	99	999	9	5,218	5,323	
74	77	81		Orlando, FL					5,136	5,118	4,659
				All Orange County Incl. Orlando, All Seminole County	5960	12	999	9	5,136	5,118	4,659
75	78	82		Paterson-Clifton-Passaic, NJ					5,175	5,280	4,265
				Paterson, Clifton, & Passaic Cities in Passaic County	6040	34	999	1	1,120	1,115	1,100
				Balance Passaic Co, All Bergen Co.	6040	34	999	3	4,055	4,165	3,165

Table 5: GEOGRAPHIC CODES ON AHS SMSA FILES (Continued)

SMSA Wave				S M S A	T A T E	O U N T Y	M E R O	# OF CASES		
1	2	3	SMSA NAME					FIRST WAVE	SECOND WAVE	THIRD WAVE
75	78	82	Philadelphia, PA-NJ					15,659	16,327	4,246
			Philadelphia City/County, PA	6160	42	101	1	7,745	7,827	1,613
			Bucks County, PA	6160	42	017	3	1,174	1,305	447
			Chester County, PA	6160	42	029	3	769	919	303
			Delaware County, PA	6160	42	045	3	1,553	1,584	464
			Montgomery County, PA	6160	42	091	3	1,787	1,872	567
			Camden County, NJ	6160	34	007	3	1,280	1,352	389
			Gloucester & Burlington Cos, NJ	6160	34	999	3	1,351	1,468	463
74	77	81	Phoenix, AZ					5,270	5,565	5,612
			Phoenix in Maricopa County	6200	04	999	1	2,936	2,767	2,551
			Balance Maricopa County	6200	04	999	3	2,334	2,798	3,061
74	77	81	Pittsburgh, PA					5,301	4,902	4,150
			Pittsburgh in Allegheny County	6280	42	003	1	1,231	1,107	896
			Balance Allegheny County	6280	42	003	3	2,323	2,148	1,837
			Beaver & Washington Counties	6280	42	999	3	909	843	713
			Westmoreland County	6280	42	129	3	838	804	704
75	79	83	Portland, OR					5,237	6,097	4,214
			Portland in Multnomah County	6440	99	999	1	1,932	1,979	1,367
			Balance Multnomah Co, All Clackamas, Clark & Washington Cos.	6440	99	999	3	3,305	4,118	2,847
76	80	84	Providence-Warwick-Pawtucket, RI-MA					5,345	5,408	
			Providence & Pawtucket Cities in Providence Co, RI; Warwick City in Kent Co, RI	6480	99	999	1	2,094	2,048	
			Balance Providence & Kent Cos; All Washington & Bristol Cos, RI; Portions of Bristol, Norfolk, & Worcester Cos, MA (See Map in SMSA Volume.)	6480	99	999	3	3,251	3,360	
76	79	NA	Raleigh, NC					5,761	6,239	
			All of Wake County, Incl. Raleigh	6640	37	999	9	5,761	6,239	
75	78	82	Rochester, NY					5,352	5,550	4,210
			Rochester in Monroe County	6840	36	999	1	1,837	1,789	1,324
			Balance Monroe County, Livingston, & Orleans Cos.	6840	36	999	3	3,515	3,761	2,886
76	80	83	Sacramento, CA					5,277	6,112	4,308
			Sacramento City in Sacramento Co.	6920	06	999	1	1,606	1,763	1,253
			Balance Sacramento County; All Placer & Yolo Counties	6920	06	999	3	3,671	4,349	3,055
74	77	80	Saginaw, MI							
			All Saginaw County including Saginaw City	6960	26	999	9		4,951	5,481
76	80	83	St. Louis, MO-IL					15,809	14,138	4,301
			St. Louis City, MO	7040	29	510	1	7,730	6,326	1,164
			St. Louis County, MO	7040	29	189	3	4,262	4,115	1,602
			All Jefferson, St. Charles, & Franklin Counties, MO	7040	29	999	3	1,443	1,487	615
			Madison County, IL	7040	17	119	3	1,126	1,063	413
			St. Clair County, IL	7040	17	163	3	1,248	1,147	507

Table 5: GEOGRAPHIC CODES ON AHS SMSA FILES (Continued)

SMSA Wave				SMSA NAME	S M S A	S T T E	C O U N T Y	M E T R O	# OF CASES		
1	2	3	FIRST WAVE						SECOND WAVE	THIRD WAVE	
74	77	80		Salt Lake City, UT All Salt Lake County, Incl. Salt Lake City; All Davis County	7160	49	999	9	5,210	5,491	6,705
75	78	82		San Antonio, TX All Bexar County, Incl. San Antonio; All Guadalupe County	7240	48	999	9	5,303	5,579	4,285
75	78	82		San Bernardino-Riverside-Ontario, CA San Bernardino & Ontario Cities in San Bernardino County, Riverside City in Riverside County	7280	06	999	1	5,310	6,398	4,131
				Balance San Bernardino & Riverside Counties	7280	06	999	3	1,269	1,415	1,030
75	78	82		San Diego, CA San Diego City in San Diego County	7320	06	999	1	4,908	5,841	4,215
				Balance San Diego County	7320	06	999	3	2,453	2,749	1,978
75	78	82		San Francisco-Oakland, CA San Francisco City in San Francisco County	7360	06	075	1	15,458	16,169	4,251
				Oakland in Alameda County	7360	06	001	2	5,225	5,293	880
				Balance Alameda County	7360	06	001	3	2,456	2,445	386
				San Mateo County	7360	06	081	3	2,660	2,874	1,092
				Contra Costa & Marin Counties	7360	06	999	3	2,133	2,243	764
76	79	83		Seattle-Everett, WA Seattle in King County; Everett in Snohomish County	7600	53	999	1	15,909	17,656	4,236
				Balance King and Snohomish Cos.	7600	53	999	3	7,673	7,668	1,654
74	77	81		Spokane, WA All Spokane Co, Incl. Spokane City	7840	53	999	9	5,242	5,213	4,746
75	78	NA		Springfield-Chicopee-Holyoke, MA Springfield, Chicopee, & Holyoke In Hampden Co, Portion of Hampden, Hampshire, Worcester, & Tolland Cos. (See Map in Published SMSA Volume)	8000	99	999	9	5,242	5,213	4,746
74	77	81		Tacoma, WA All Pierce County, Incl. Tacoma	8200	53	999	9	5,395	5,389	4,863
74	77	81		Washington, DC-MD-VA Washington, DC	8840	11	001	1	15,687	14,991	5,798
				Arlington Co & Alexandria City	8840	51	001	3	7,900	7,335	2,723
				Falls Church & Fairfax Cities	8840	51	002	3	1,270	1,225	472
				Fairfax, Prince William, & Loudoun Counties, VA	8840	51	002	3	2,399	2,469	1,043
				Montgomery County, MD	8840	24	031	3	1,952	1,881	771
				Prince Georges County, MD	8840	24	033	3	2,166	2,081	789
74	77	81		Wichita, KS All Sedgwick County, Incl. Wichita; All Butler County	9040	20	999	9	5,343	5,343	4,587



This section documents a broad range of data items. Basic unit data include occupancy status, tenure status, the type of Annual Housing Survey interview performed on the unit, and reasons for non-interview status. Structural data include the size and age of the unit, the type of living quarters present, and the presence of nonresidential uses of the building. Other data include the number of household cars, the availability of a garage or carport, the availability of a telephone, and the presence of elevators. Items on general characteristics of previous residence are included in the Previous Residence and Mobility section. The information contained in this section, together with the information represented in the Geography and Household Composition sections, is especially relevant for selecting cases to be included in a specific analysis.

Additional unit descriptors (e.g., number of rooms, number of bedrooms) are in the Rooms and Crowding section. Supplemental data on vehicle and appliances purchases are contained in the Cars and Major Appliances section.

Appendix A, Sections 1 and 2, contains key background information and definitions for many of the variables and terms used in this section.

GENERAL UNIT INFORMATION

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0018	ISTATUS	73N-81N 83N 74S 76S-83S	Type Of Interview 73N 78N 74N-77N 74S 79N-81N 76S-83S 83N	C
		1 1	1 1	Occupied Regular Interview
		2 2	2 2	Usual Residence Elsewhere (Interview)
		3 3	3 3	Vacant (Interview With Owner, Neighbor, Etc.)
			4 4	Non-Interview (Type A, B, Or C)
		4		Non-Interview (Type A, B, Or C) and Vacant or URE Units in transient hotels, mobile homes or "other housing" (See TYPE).
		5	5	Not Yet In The Sample
		6	6	Dropped from Sample (Type C Non-Interview in Preceding Year or Reduction of Sample)
		7	7	Missing from Sample (Applicable to a Few Cases Which Were Not Present in One Year and Reappeared in Next Year)
			8	1981 Sample Reduction of Some Rural Cases Which Were Reinterviewed in 1983

Note: Codes 5-8 are not on Census tapes, but only on tapes generated by Abt Associates.

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0019	STATUS	73N-81N 83N 74S-75S 77S-83S	Occupancy Status 73N 74S-75S 77S-83S 74N-81N 83N	C
		1 1	1 1	Occupied (Interview Or Type A Non-Interview)
		2 2	2 2	Vacant (Interview Or Type A Non-Interview)
		3 3	3 3	Usual Residence Elsewhere (Interview or Type A Non-Interview)
			9	Not In Housing Stock (Type B Or C Non-Interview)
			9	Not In Housing Stock (Type B Or C Non-Interview) and Vacant Or URE Units in transient hotels, mobile homes or "other housing" (See TYPE).

REF# NAME DATES(S) DESCRIPTION NOTES

REF#	NAME	DATES(S)		DESCRIPTION				NOTES
		74N-83N	74S-83S	74N-76N	74S-77S	77N-81N	78S-83S	
0020	NOINT	74N-81N		Type Of Non-Interview				C
		83N		74N-76N	74S-77S	77N-81N	78S-83S	
		74S-83S				83N		
				1	1	1	1	No One Home
				2	2	2	2	Temporarily Absent
				3	3	3	3	Refused
				4	4	4	4	Unable To Locate
				5	5	5	5	Other Occupied, No Interview
				6	6	10	10	Business Or Storage (Non-Residential Uses)
				7	7	11	11	Group Quarters
				8	8	12	12	Unoccupied Tent Or Mobile Home Site
				9	9	14	14	Unfit Or To Be Demolished
				10	10	13	13	Under Construction
				11	11	15	15	Condemned
						16	16	Interior Exposed To Elements
						17	17	Unit Severely Damaged By Fire
				22	22			Unfit, Vandalized
				23	23			Unfit, Burned Out
				24	24			Unfit, Other
				12	12	18	18	Other Type B
				13	13	19	19	Construction Not Started Yet
				14	14			Unused Line Of Listing Sheet
						30	30	Unit Eliminated In Conversion
						32	32	Disaster Loss (Flood, Tornado)
						33	33	Disaster Loss (Fire)
				21	21			Disaster Loss (i.e., Flood)
				15	15	31	31	Demolished
				16	16	34	34	House Or Mobile Home Moved
				17	17	35	35	Merged, Not In Current Sample
				18	18	36	36	Built After 1/4/70, Not In Sample (see Appendix B)
				19	19	37	37	Other Type C
				20	20	38	38	Unused Permit, Abandoned
				55		55		Not Yet In The Sample
						77		Sample Reduction in 1977
						81		Sample Reduction in 1981
				98		98		Non-Interview Reason Not Reported
				99	99	99	99	Interviewed Unit

Note: Code 16/34, House Or Mobile Home Moved: for mobile homes this means no specific site at the address had been set aside for the mobile home (if there had been a site, then Code 8/12 would apply). Vacant and URE mobile homes are coded as interviewed units (99) even though they are not part of the housing stock and have a weight of zero.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES																																							
0021	VACANCY	73N-81N 83N 74S-83S	Reason Why Unit Is Vacant Or URE 73N-74N 75N-81N 83N <u>74S</u> <u>75S-83S</u>	C																																							
			<table border="0"> <tr><td>1</td><td>1</td><td>Vacant - For Rent</td></tr> <tr><td>2</td><td>2</td><td>Vacant - For Sale, regular</td></tr> <tr><td></td><td>3</td><td>Vacant - For Sale As Condominium</td></tr> <tr><td></td><td>4</td><td>Vacant - For Sale As Cooperative</td></tr> <tr><td>3</td><td>5</td><td>Rented, Not Yet Occupied</td></tr> <tr><td>4</td><td>6</td><td>Sold, Not Yet Occupied</td></tr> <tr><td>5</td><td>7</td><td>Held For Occasional Use, no specific season</td></tr> <tr><td>6</td><td>8</td><td>Other Vacant Or Usual Residence Elsewhere, e.g. Pending Estate Settlement, or Held Off Market For Owner's Personal Reasons</td></tr> <tr><td>7</td><td>9</td><td>Migratory</td></tr> <tr><td>8</td><td>10</td><td>Seasonal Summer Occupancy</td></tr> <tr><td>9</td><td>11</td><td>Seasonal Winter Occupancy</td></tr> <tr><td></td><td>12</td><td>Seasonal Other</td></tr> <tr><td>99</td><td>99</td><td>Occupied, Non-Interview, or Vacant or URE Units in Transient Hotels, Mobile Homes, or "Other Housing" (see TYPE).</td></tr> </table>	1	1	Vacant - For Rent	2	2	Vacant - For Sale, regular		3	Vacant - For Sale As Condominium		4	Vacant - For Sale As Cooperative	3	5	Rented, Not Yet Occupied	4	6	Sold, Not Yet Occupied	5	7	Held For Occasional Use, no specific season	6	8	Other Vacant Or Usual Residence Elsewhere, e.g. Pending Estate Settlement, or Held Off Market For Owner's Personal Reasons	7	9	Migratory	8	10	Seasonal Summer Occupancy	9	11	Seasonal Winter Occupancy		12	Seasonal Other	99	99	Occupied, Non-Interview, or Vacant or URE Units in Transient Hotels, Mobile Homes, or "Other Housing" (see TYPE).	
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99	99	Occupied, Non-Interview, or Vacant or URE Units in Transient Hotels, Mobile Homes, or "Other Housing" (see TYPE).																																									
0022	MOVAC	73N-81N 83N 74S-83S	Months This House Or Apartment Has Been Vacant 1 0 Months Up To 1 Month 2 1 Month Up To 2 Months 3 2 Months Up To 6 Months 4 6 Months Up To 12 Months 5 1 Year To 2 Years 6 2 Or More Years 9 Not Applicable Note: "Month" refers to any 4 week span of time: e.g. from the 16th of one month to the 16th of the next month, not the 1st to the 31st of a month.	A,C																																							
0023	TENURE	73N-81N 83N 74S-83S	Tenure Status 73N 74N-81N 74S 83N <u>75S-83S</u>	C																																							
			<table border="0"> <tr><td>1</td><td>1</td><td>Own Or Buying-Regular</td></tr> <tr><td>2</td><td></td><td>Own Cooperative Or Condominium</td></tr> <tr><td></td><td>2</td><td>Own Cooperative</td></tr> <tr><td></td><td>3</td><td>Own Condominium</td></tr> <tr><td>3</td><td>4</td><td>Rent For Cash</td></tr> <tr><td>4</td><td>5</td><td>No Cash Rent</td></tr> <tr><td>9</td><td>9</td><td>Vacant Or Non-Interview</td></tr> </table>	1	1	Own Or Buying-Regular	2		Own Cooperative Or Condominium		2	Own Cooperative		3	Own Condominium	3	4	Rent For Cash	4	5	No Cash Rent	9	9	Vacant Or Non-Interview																			
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9	9	Vacant Or Non-Interview																																									
0024	ZSPEC	73N-81N 83N 74S-83S	Recoded Renter/Owner Code 1 Renters excluding 1-unit structures on 10 acres or more 2 Owners (limited to 1-unit structures on less than 10 acres and no business property) 3 All Other Occupied Units 9 Vacant, URE Or Non-Interview	C																																							
0025	WHYNCR	74N-77N 75S-81S	Reason For No Cash Rent 1 Living Quarters Provided With Job 2 Live With Friend Or Relative 3 Other Reason 8 Not Answered 9 Other Than "No Cash Rent" In TENURE																																								
0026	JOBNCR	74N-77N 75S-81S	Type Of Job Allowing No Cash Rent 1 Tenant Farmer 2 Farm Manager 3 Farm Laborer 4 Other Farm Related 5 Not Farm Related 8 Not Answered 9 Other Than Code "1" In WHYNCR																																								

GENERAL UNIT INFORMATION (Continued)

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0027	PROJ	73N-81N 83N 74S-83S	Publicly Owned Housing 73N-77N 78N-81N <u>74S-83S 83N</u> 1 1 Yes 2 2 No 8 8 Not Answered 9 Non-Interview, URE, or Owner-Occupied 9 Vacant, URE, Non-Interview Or Owner-Occupied Note: Includes all local, state, and federal owned housing, not just HUD public housing	C
0028	SUB	73N-81N 83N 74S-83S	Household Receiving Govt. Rent Subsidy (Unreliable) 1 Yes 2 No 8 Not Answered 9 Vacant, URE, Non-Interview, Owner Occupied Or Publicly Owned	C
0029	BOARD	74N-81N 83N 75S-83S	Unit Boarded Up (Vacant Units; Enumerator Observation) 1 Yes 2 No 8 Not Answered 9 Occupied, URE or Non-Interview	C
0030	BOARDU	74N-81N 83N 79S-83S	Unit Boarded Up (Some Type B Non-Interviews Only; Enumerator Observation) 1 Yes 2 No 8 Not Answered 9 Occupied, URE, Vacant or Other Non-Interview Note: 74N-76N Applicable If NOINT=9,11,12,22-24 77N-81N, 83N Applicable If NOINT=14,15-18 79S-83S Applicable If NOINT=14,15-18	C
0031	ZTRV	73N-81N 83N 74S-83S	Recoded Composite Tenure, Race, Vacancy 1 White Owner 2 Black Owner 3 Other Owner 4 White Renter 5 Black Renter 6 Other Renter 7 Vacant For Sale Only 8 Vacant For Rent 9 Rented, Not Occupied 10 Sold, Not Occupied 11 Held For Occasional Use 12 Other Vacant 13 Migratory 14 Seasonal Summers Only 15 Seasonal Winters Only 16 Other 17 Vacant - For Sale, Cooperative Or Condominium 99 Non-Interview	C

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

GENERAL UNIT INFORMATION (Continued)

REF#	NAME	DATES(S)	DESCRIPTION	NOTES																																												
0032	BUILT	73N-81N 83N 74S-83S	Year Structure Was Built 75S-81S 73N-81N 82S-83S 83N 74S	A,C																																												
			<table border="1"> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1969 To 3/31/70</td> </tr> <tr> <td>2</td> <td>2</td> <td>2</td> <td>1965 To 1968</td> </tr> <tr> <td>3</td> <td>3</td> <td>3</td> <td>1960 To 1964</td> </tr> <tr> <td>4</td> <td>4</td> <td>4</td> <td>1950 To 1959</td> </tr> <tr> <td>5</td> <td>5</td> <td>5</td> <td>1940 To 1949</td> </tr> <tr> <td>6</td> <td>6</td> <td>6</td> <td>1939 Or Earlier</td> </tr> <tr> <td></td> <td>MMYY</td> <td>MMYY</td> <td>Month And Year Since 3/70</td> </tr> <tr> <td></td> <td>YY</td> <td></td> <td>Year Since 3/70</td> </tr> <tr> <td></td> <td></td> <td>99</td> <td>Not Applicable (Non-Interview)</td> </tr> <tr> <td>9999</td> <td>9999</td> <td></td> <td>Not Applicable (Non-Interview)</td> </tr> <tr> <td></td> <td></td> <td>9999</td> <td>Dropped from the Sample or Not Yet in the Sample</td> </tr> </table>	1	1	1	1969 To 3/31/70	2	2	2	1965 To 1968	3	3	3	1960 To 1964	4	4	4	1950 To 1959	5	5	5	1940 To 1949	6	6	6	1939 Or Earlier		MMYY	MMYY	Month And Year Since 3/70		YY		Year Since 3/70			99	Not Applicable (Non-Interview)	9999	9999		Not Applicable (Non-Interview)			9999	Dropped from the Sample or Not Yet in the Sample	
1	1	1	1969 To 3/31/70																																													
2	2	2	1965 To 1968																																													
3	3	3	1960 To 1964																																													
4	4	4	1950 To 1959																																													
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9999	9999		Not Applicable (Non-Interview)																																													
		9999	Dropped from the Sample or Not Yet in the Sample																																													
0033	ZBUILT	77S-83S	Unit Added Thru New Construction Since Last Enumeration Period. 1 Yes 2 No 9 Not applicable																																													
0034	ACCESS	74N-81N 83N 75S-83S	Access To Unit 77N-81N 74N-76N 83N 75S-83S 1 Direct 2 Through Another Unit 8 Not Reported 9 Not Applicable	C																																												
0035	CELLAR	73N-81N 83N 74S-83S	Basement In House Or Building 1 Yes 2 No 9 Not Applicable Note: This is an ambiguous concept in many buildings built on a slope where the bottom floor is partly below ground, roughly finished, but used as normal living space.	A																																												
0036	NUNITS	73N-81N 83N 74S-83S	No. Of Living Qtrrs In Structure Including Vacant Qtrr 1 Mobile Home--No Permanent Room 2 1, Detached Or Mobile Home With Room Added 3 1, Attached 4 2 5 3 Or 4 6 5 To 9 7 10 To 19 8 20 To 49 9 50 Or More 99 Non-Interviews	A,C																																												
0037	OTHLQ	75N-77N 76S-81S	Other Living Qtrrs On Property Including Vacant Qtrrs 1 Yes 2 No 9 Not Applicable																																													

REF# NAME DATES(S) DESCRIPTION NOTES

0038 TYPE 73N-81N Type Of Living Quarters C
 83N 73N-76N 77N-81N
 74S-83S 83N
74S-75S 76S-83S

- 1 House, Apartment Or Mobile Home With Room Added
- 1 House, Apartment
- 6 Mobile Home--Permanent Room Added
- 2 Housing Unit In Non-Transient Hotel
- 3 Transient Hotel Unit Occupied More Than 6 Months
- 4 Unit in Rooming House
- 5 Mobile Home/Trailer--No Perm. Room
- 6 7 Other Housing Units Not Specified Above
- 8 Non-housing Unit In Boarding House
- 9 Not Perm. Unit In Transient Hotel
- 10 Unoccupied Tent Or Trailer Site
- 11 Other Non-housing Units Not Specified Above
- 99 99 Permanent Loss From Stock (Type C Non-Interview) or not yet in sample

Note: Codes 1-7 are for living quarters that are housing units. Codes 8-11 are for living quarters not classified as housing units. For a discussion of the definitions of living quarters, housing units, and other types of quarters, refer to Appendix A, Section 2.1.

0039 ELEV 73N-81N Passenger Elevator In Building (Enumerator Observation) C
 83N 1 Yes
 74S-83S 2 No

9 1 To 3 Stories Or Non-Interview
 Note: In 1978N-1981N, this question is asked only if the unit was a non-interview or not in the sample in previous year; otherwise, the previous year's value is carried forward.

0040 CLIMB 75N-77N Stories From Main Bldg. Entry To Main Apartment Entry A
 83N 75N-77N 76S-81S
 76S-81S 83N 83S
 83S

- 1 1 None, on Same Floor
- 2 2 One (Up Or Down)
- 3 3 Two Or More (Up or Down)
- 8 Not Answered
- 9 9 Not Applicable

Note: some "8"s have been detected in 75N-77N.

0041 FLOORS 73N-81N Stories In Building (Excluding Basement) A,C
 83N 73N-81N
 74S-83S 83N
 74S-77S 78S-81S
82S-83S

- 1 1 One
- 1 2 One To Three
- 2 2 Two
- 3 3 Three
- 2 4 Four To Six
- 3 5 Seven To Twelve
- 4 6 Thirteen Or More
- 9 9 Not Applicable

Note: In 1978N-1981N, this question was asked only if the unit was a non-interview or not in the sample in previous year; otherwise, the previous year's value is preserved here.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

GENERAL UNIT INFORMATION (Continued)

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0042	SHOPS	73N-81N 83N 74S-83S	Commercial Establishments In Building (Enumerator Observation) 1 Yes 2 No 9 Not Applicable	C
0043	DOCS	73N-81N 83N 74S-83S	Medical, Dental Office In Building (Enumerator Observation) 1 Yes 2 No 9 Not Applicable	C
0044	GARAGE	73N-81N 83N 74S-83S	Garage/Carport On Property Available For Use 73N-81N 78S-81S 83N 74S-77S 82S-83S 1 Yes 2 Offstreet; Not Covered 3 No 4 Carport 5 One Car Garage 6 Two Car Garage 7 Three + Car Garage 8 None 9 Not Answered 9 Not Applicable	C
0045	GARGC	78N-81N	Change In Availability Of Garage/Carport Since Last Int 1 Yes 2 No 3 Not Sure 8 Not Answered 9 Not Applicable	C
0046	CARS	73N-77N 80N-81N 74S-82S	No. of Household Cars Including Company Owned Vehicles 73N 74N-77N 80N-81N 74S 75S-81S 82S 1 1 0 None 1-98 1-98 Cars 2 2 1 Car 3 3 2 Cars 4 4 3 Or More Cars 5 4 Or More Cars 9 9 99 Not Applicable Note: On 79S-81S Includes Trucks Under 1 Ton	A
0047	TRUCKS	73N-77N 80N-81N 74S-78S 82S	Number Of Household Trucks Including Company Owned (Less Than 1 Ton) 73N-77N 80N-81N 74S-78S 82S 1 0 None 1-98 1-98 Trucks 2 1 Truck 3 2 Or More Trucks 9 99 Not Applicable	A
0048	PHONE	74N-81N 83N 75S-83S	Use Of Telephone 1 Yes 2 No 9 Not Applicable	A,C

Data on rooms and crowding include the number of rooms and bedrooms in the unit, the presence of three or more persons per bedroom, and the number of persons per room.

Until 1978, information on number of rooms and number of bedrooms was collected each year for the National Sample. Starting in 1978, the information is obtained from respondents who indicated that a change in number of rooms or bedrooms had occurred since the last interview. If a change was not reported, the variable is assigned the information from the previous year.

Items related to previous residence are presented in the Previous Residence and Mobility section.

For detailed definitions of the concepts used in this section, refer to Appendix A, Section 4.0.

ROOMS AND CROWDING

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0049	ROOMS	73N-81N 83N 74S-83S	Number of Rooms In House Or Apartment 73N 74N-81N 74S-83S <u>83N</u> 1-91 1-11 1-39 12 99 1 to 91 Rooms 1 to 11 Rooms 1 to 39 Rooms 12 or More 99 Not Applicable	A,C
0050	ROOMSC	78N-81N	Change In No. Of Rms In House/Aprtmnt Since Last Survey 1 Yes 2 No 3 Not Sure 9 Not Applicable	C
0051	BDRMS	73N-81N 83N 74S-83S	Number of Rooms Used Mainly For Sleeping 74N-81N 73N <u>83N</u> <u>74S-83S</u> 0 None 0-5 None To 5 Bedrooms 1-16 1 To 16 Bedrooms 6 6 Or More Bedrooms 99 99 Not Applicable	A,C
0052	BDRMSC	78N-81N	Change In No. Of Rms Mainly For Sleeping Since Last Int 1 Yes 2 No 3 Not Sure 8 Not Answered 9 Not Applicable	C
0053	PRIVN	73N-81N 83N 74S-83S	Must Go Through Bedroom To Reach Non-Bath/Bedroom 1 Yes 2 No 8 Not Answered 9 Not Applicable (Unit has 0 Bedrooms), URE, Vacant, Or Non-interview	
0054	PRIVB	73N-81N 83N 74S-83S	Must Go Through Bedroom To Reach Bath 1 Yes 2 No 8 Not Answered 9 Not Applicable (Unit Has 0 Bedrooms And/Or More Than One Bath), URE, Vacant, Or Non-interview Note: Coding of the variable does not reflect the skip patterns in the questionnaire. Some answers were edited out and coded as Not Applicable.	
0055	IF3BED	73N	Any Bedrooms Used For Sleeping By 3 Or More Persons 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0056	NUM3BED	73N-77N 74S-78S	No. Of Bedrooms Used for Sleeping By 3 Or More Persons 73N 74N-77N <u>74S-78S</u> 1 1 1 Bedroom 2 2 2 Or More Bedrooms 3 None 8 8 Not Answered 9 9 Not Applicable	
0057	NOPRIV	74N-77N 74S-78S	Anyone In 3 Person Bedroom Over 12 Years Old 1 Yes 2 No 8 Not Answered 9 Not Applicable	

ROOMS AND CROWDING (Continued)

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0058	ZCROWD	73N-81N	Recoded Persons Per Room	C
		83N	001-996 0.01-9.96 Persons/Room	
		74S-83S	997 9.97 or More Persons/Room	
			999 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey



This section documents data which describe kitchen and bathroom facilities, source of water, and type of sewage disposal. It also includes information on the reliability of the plumbing facilities. Until 1977, this information was collected each year for the National Sample. Starting in 1978, the information was collected in the Equipment Breakdown Supplement to the National Sample survey and is not available for each year. To date, the supplement was administered in 1978 and 1981. Cooking and plumbing items describing the previous residence are included in the Previous Residence and Mobility section. For data on utility costs, refer to the Housing Costs section.

Background information and key concepts referred to in this section are contained in Appendix A, Section 5.0.

COOKING AND PLUMBING

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0059	KITCHEN	73N-81N 83N 74S-83S	Complete Kitchen Facilities 1 Yes, Exclusive Use 2 Yes, Shared 3 No 9 Not Applicable	C, A
0060	KITCHC	78N-81N	Change in Kitchen Facilities Since Last Survey 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	C
0061	APPOK	74N-78N 75S-81S	Sink, Refrigerator, Range All Usable 74N-77N 78N 75S-81S 1 1 Yes 2 2 No 3 No Complete Kitchen Facilities 8 8 Not Answered 9 9 Not Applicable	
0062	APPBAD	74N-76N 75S-77S	Sink, Refrigerator, Range Not In Usable Condition 3 Range Only 20 Refrigerator Only 23 Refrigerator and Range 100 Sink Only 103 Sink and Range 120 Sink and Refrigerator 123 Sink, Refrigerator, and Range 998 Not answered 999 Not Applicable	
0063	CFUEL	73N-80N 74S-81S	Primary Cooking Fuel 1 Gas from Underground Pipes 2 Gas LP, Bottled or Tank 3 Electricity 4 Fuel Oil, Kerosene 5 Coal or Coke 6 Wood 7 Other Fuel 8 No Fuel Used 99 Not Applicable	A
0064	WATER	73N-81N 83N 74S-83S	Water Source 1 Public or Private System 2 Individual Well 3 Other Source 9 Not Applicable	C
0065	WATERC	78N-81N	Change in Water Source since Last Survey 1 Yes 2 No 3 Not Sure 9 Not Applicable	C
0066	WELL	74N-77N 83N 75S-81S	Well Drilled or Dug 1 Drilled 2 Dug 8 Not Answered 9 Not Applicable	
0067	WPIPED	74N-78N 81N 83N 75S-82S	Piped Water In Building 1 Yes 2 No 9 Not Applicable	A

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0068	WNEAR	74N-77N 83N 75S-81S	Water Available Within 1/4 Mile 74N-77N 83N <u>75S-79S 80S-81S</u> 1 1 Yes 2 2 No 8 Not Answered 9 9 Not Applicable	
0069	IFDRY	73N-78N 81N 83N 74S-81S 83S	Water Source Breakdown Last 90 Days 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0070	BADDRY	73N-78N 81N 83N 74S-81S 83S	Complete Lack of Running Water for 6 Hours or More 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0071	NUMDRY	73N-78N 81N 83N 74S-81S 83S	Number of Water Breakdowns for 6 Hours or More 1 1 2 2 3 3 or More 8 Not Answered 9 Not Applicable	
0072	WHYDRY	73N-78N 81N 83N 74S-81S 83S	Primary Reason for Water Breakdown 1 Problem in Building 2 Problem Not in Building 8 Not Answered 9 Not Applicable	
0073	PLUMB	73N-81N 83N 74S-83S	Complete Plumbing Facilities 1 Yes, Exclusive Use 2 Yes, Shared 3 No 9 Not Applicable Note: In 1978N to 1981N, this question was asked only if the unit was a non-interview or not in the sample in previous year; otherwise, the previous year's code is preserved here.	A,C
0074	BATHS	73N-81N 83N 74S-83S	Number of Bathrooms 1 All Facilities, But Not in One Room 2 One Full Bath 3 One, Plus Half Bath Without Toilet 4 One, Plus Half Bath With Toilet 5 Two Full Baths 6 Over Two Baths 9 Not Applicable Note: In the National Surveys from 1978 to 1981, this question is asked only if the unit was a non-interview or not-in-the-sample in previous year; otherwise, the previous year's code is preserved here.	A,C
0075	IFTLT	73N-78N 81N 83N 74S-81S 83S	Flush Toilet Breakdown Last 90 Days 1 Yes 2 No 8 Not Answered 9 Not Applicable Note: Codes of '3' have been detected on original 1973 National Survey tape.	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0076	BADTLT	73N-78N 81N 83N 74S-81S 83S	Flush Toilet Breakdown of 6 Hours or More 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0077	NUMTLT	73N-78N 81N 83N 74S-81S 83S	Number of Flush Toilet Breakdowns of 6 Hours or More 1 1 2 2 3 3 4 4 or More 8 Not Answered 9 Not Applicable	
0078	WHYTLT	73N-78N 81N 83N 74S-81S 83S	Water Source Breakdown In Last 90 Days 1 Problem In Building 2 Problem Not In Building 8 Not Answered 9 Not Applicable	
0079	PUBSEW	73N-77N 74S-81S	House/Building Connected to Public Sewer 1 Yes 2 No 9 Not Applicable	
0080	SEWDIS	73N-81N 83N 74S-83S	Means of Sewage Disposal 73N-77N 78N-81N 74S-81S 83N <u>82S-83S</u> 1 Public Sewer 2 Septic Tank/Cesspool 3 Chemical Toilet 4 Privy (or Outhouse) 5 Facilities In Other Structure 6 Other Sewage/Toilet Facilities 9 Not Applicable	C
0081	SEWDSC	78N-81N	Change in Means of Sewage Disposal Since Last Survey 1 Yes 2 No 3 Not Sure 8 Not Answered 9 Not Applicable	C
0082	IFSEW	73N-78N 81N 83N 74S-81S 83S	Public Sewer Breakdown in Last 90 Days 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0083	BADSEW	73N-78N 81N 83N 74S-81S 83S	Public Sewer Breakdown of 6 Hours or More 1 Yes 2 No 3 Not Sure 8 Not Answered 9 Not Applicable	
0084	NUMSEW	73N-78N 81N 83N 74S-81S 83S	Number of Public Sewer Breakdowns 1 1 2 2 3 3 or More 8 Not Answered 9 Not Applicable	

This section documents data collected in the main interview and two supplements. Data include the type(s) of heating equipment and fuel(s); energy conservation items such as use of storm windows, insulation, and weather stripping; winter energy usage and cost data. Detailed information is collected periodically in the Heating Supplement and the Energy Conservation Supplement. To date, the Heating Supplement has been administered in 1980 and 1981 to the SMSA sample only. The Energy Conservation Supplement was administered in most years, with the exception of Housing Cost Section. Until 1977, information on heating reliability was collected each year for the National Sample. Starting in 1978, the information is collected in the Equipment Breakdown Supplement to the National Sample Survey and is not available for each year. To date, this supplement was administered in 1978 and 1981.

Background information on some of the variables included in this section is contained in Appendix A, Section 6.0.

HEATING AND COOLING

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0085	HFUEL	73N-81N 83N 74S-83S	Heating Fuel 73N-76N 77N-81N <u>74S-83S 83N</u>	A,C
			0 No fuel used	
			1 Gas From Underground Pipes	
			2 Gas LP, Bottled, or Tank	
			3 Fuel Oil And Kerosene	
			3 Fuel Oil	
			4 Kerosene	
			4 5 Electricity	
			5 6 Coal or Coke	
			6 7 Wood	
			8 Solar Heat	
			7 9 Other Fuel	
			8 No Fuel Used	
			99 99 Not Applicable	
			Note: 1974 Census documentation is in error. The question does not also refer to primary cooking fuel. Also, in 1977N to 1980N, the Census documentation refers to a code 10 which is not present in the files.	
0086	HFUELC	78N-81N	Change in Heating Fuel Since Last Survey	C
			1 Yes	
			2 No	
			3 Not Sure	
			8 Not Answered	
			9 Not Applicable	
0087	HFC12	80N	Change in Heating Fuel in Last 12 Months.	
			1 Yes	
			2 No	
			3 Don't Know	
			8 Not Answered	
			9 Not Applicable	
			Note: Asked Only Of Mover Households.	

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
			Type Of Fuel Used For Supplemental Heat	
0088	FAFURA	80S-81S	1 Piped Gas Used For Air Furnace	
0089	FAFURB		2 Bottled Gas Used For Air Furnace	
0090	FAFURC		3 Fuel Oil Used For Air Furnace	
0091	FAFURD		4 Kerosene Used For Air Furnace	
0092	FAFURE		5 Electricity Used For Air Furnace	
0093	FAFURF		6 Coke Or Coal Used For Air Furnace	
0094	FAFURG		7 Wood Used For Air Furnace	
0095	FAFURH		8 Solar Heat Used For Air Furnace	
0096	FAFURI		9 Other Heat Used For Air Furnace	
0097	FHPMPA		1 Piped Gas Used For Heat Pump	
0098	FHPMPB		2 Bottled Gas Used For Heat Pump	
0099	FHPMPC		3 Fuel Oil Used For Heat Pump	
0100	FHPMPD		4 Kerosene Used For Heat Pump	
0101	FHPMPE		5 Electricity Used For Heat Pump	
0102	FHPMPF		6 Coke or Coal Used For Heat Pump	
0103	FHPMPG		7 Wood Used For Heat Pump	
0104	FHPMPH		8 Solar Heat Used For Heat Pump	
0105	FHPMPI		9 Other Fuel Used For Heat Pump	
0106	FSTEMA		1 Piped Gas Used For Steam Or Hot Water System	
0107	FSTEMB		2 Bottled Gas Used For Steam Or Hot Water System	
0108	FSTEMC		3 Fuel Oil Used For Steam Or Hot Water System	
0109	FSTEMD		4 Kerosene Used For Steam Or Hot Water System	
0110	FSTEME		5 Electricity Used For Steam Or Hot Water System	
0111	FSTEMF		6 Coke or Coal Used For Steam Or Hot Water System	
0112	FSTEMG		7 Wood Used For Steam Or Hot Water System	
0113	FSTEMH		8 Solar Heat Used For Steam Or Hot Water System	
0114	FSTEMI		9 Other Fuel Used For Steam Or Hot Water System	
0115	FELCTA		1 Piped Gas Used For Built-In Electric Units	
0116	FELCTB		2 Bottled Gas Used For Built-In Electric Units	
0117	FELCTC		3 Fuel Oil Used For Built-In Electric Units	
0118	FELCTD		4 Kerosene Used For Built-In Electric Units	
0119	FELCTE		5 Electricity Used For Built-In Electric Units	
0120	FELCTF		6 Coke or Coal Used For Built-In Electric Units	
0121	FELCTG		7 Wood Used For Built-In Electric Units	
0122	FELCTH		8 Solar Heat Used For Built-In Electric Units	
0123	FELCTI		9 Other Fuel Used For Built-In Electric Units	
0124	FPLFA		1 Piped Gas Used For Floor, Wall, Or Pipeless Furnace	
0125	FPLFB		2 Piped Gas Used For Floor, Wall, Or Pipeless Furnace	
0126	FPLFC		3 Fuel Oil Used For Floor, Wall, Or Pipeless Furnace	
0127	FPLFD		4 Kerosene Used For Floor, Wall, Or Pipeless Furnace	
0128	FPLFE		5 Electricity Used For Floor, Wall, Or Pipeless Furnace	
0129	FPLFF		6 Coke or Coal Used For Floor, Wall, Or Pipeless Furnac	
0130	FPLFG		7 Wood Used For Floor, Wall, Or Pipeless Furnace	
0131	FPLFH		8 Solar Heat Used For Floor, Wall, Or Pipeless Furnace	
0132	FPLFI		9 Other Fuel Used For Floor, Wall, Or Pipeless Furnace	
0133	FFLINA		1 Piped Gas Used For Vented Rm Htrs Burning Liquid Fuel	
0134	FFLINB		2 Bottled Gas For Vented Rm Htrs Burning Liquid Fuel	
0135	FFLINC		3 Fuel Oil For Vented Rm Htrs Burning Liquid Fuel	
0136	FFLIND		4 Kerosene For Vented Rm Htrs Burning Liquid Fuel	
0137	FFLINE		5 Electricity For Vented Rm Htrs Burning Liquid Fuel	
0138	FFLINF		6 Coke or Coal For Vented Rm Htrs Burning Liquid Fuel	
0139	FFLING		7 Wood For Vented Rm Htrs Burning Liquid Fuel	
0140	FFLINH		8 Solar Heat For Vented Rm Htrs Burning Liquid Fuel	
0141	FFLINI		9 Other Fuels For Vented Rm Htrs Burning Liquid Fuel	
0142	FFLOTA		1 Piped Gas For Unvented Rm Htrs Burning Liquid Fuel	
0143	FFLOTB		2 Bottled Gas For Unvented Rm Htrs Burning Liquid Fuel	
0144	FFLOTC		3 Fuel Oil For Unvented Rm Htrs Burning Liquid Fuel	
0145	FFLOTD		4 Kerosene For Unvented Rm Htrs Burning Liquid Fuel	
0146	FFLOTE		5 Electricity For Unvented Rm Htrs Burning Liquid Fuel	
0147	FFLOTF		6 Coke or Coal For Unvented Rm Htrs Burning Liquid Fuel	
0148	FFLOTG		7 Wood For Unvented Rm Htrs Burning Liquid Fuel	
0149	FFLOTH		8 Solar Heat For Unvented Rm Htrs Burning Liquid Fuel	
0150	FFLOTI		9 Other Fuel For Unvented Rm Htrs Burning Liquid Fuel	

(Continued On Next Page)

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0151	FFRPLA		1 Piped Gas Used For Fireplace	
0152	FFRPLB		2 Bottled Gas Used For Fireplace	
0153	FFRPLC		3 Fuel Oil Used For Fireplace	
0154	FFRPLD		4 Kerosene Used For Fireplace	
0155	FFRPLE		5 Electricity Used For Fireplace	
0156	FFRPLF		6 Ccke or Coal Used For Fireplace	
0157	FFRPLG		7 Wood Used For Fireplace	
0158	FFRPLH		8 Solar Heat Used For Fireplace	
0159	FFRPLI		9 Other Fuel Used For Fireplace	
0160	FSTOVA		1 Piped Gas Used For Stove	
0161	FSTOVB		2 Bottled Gas Used For Stove	
0162	FSTOVC		3 Fuel Oil Used For Stove	
0163	FSTOVD		4 Kerosene Used For Stove	
0164	FSTOVE		5 Electricity Used For Stove	
0165	FSTOVF		6 Coke or Coal Used For Stove	
0166	FSTOVG		7 Wood Used For Stove	
0167	FSTOVH		8 Solar Heat Used For Stove	
0168	FSTOVI		9 Other Fuel Used For Stove	
0169	FPORTA		1 Piped Gas Used For Portable Room Heaters	
0170	FPORTB		2 Bottled Gas Used For Portable Room Heaters	
0171	FPORTC		3 Fuel Oil Used For Portable Room Heaters	
0172	FPORTD		4 Kerosene Used For Portable Room Heaters	
0173	FPORTE		5 Electricity Used For Portable Room Heaters	
0174	FPORTF		6 Coke or Coal Used For Portable Room Heaters	
0175	FPORTG		7 Wood Used For Portable Room Heaters	
0176	FPORTH		8 Solar Heat Used For Portable Room Heaters	
0177	FPORTI		9 Other Fuel Used For Portable Room Heaters	
0178	FHOTHA		1 Piped Gas Used For Other Supp. Heat Source	
0179	FHOTHB		2 Bottled Gas Used For Other Supp. Heat Source	
0180	FHOTHC		3 Fuel Oil Used For Other Supp. Heat Source	
0181	FHOTHD		4 Kerosene Used For Other Supp. Heat Source	
0182	FHOTHE		5 Electricity Used For Other Supp. Heat Source	
0183	FHOTHF		6 Coke or Coal Used For Other Supp. Heat Source	
0184	FHOTHG		7 Wood Used For Other Supp. Heat Source	
0185	FHOTHH		8 Solar Heat Used For Other Supp. Heat Source	
0186	FHOTHI		9 Other Fuel Used For Other Supp. Heat Source	
			The Codes Unique to Each Variable Are Shown Above:	
			Standard Codes For All Variables are:	
			0 Respondent did not cite this fuel	
			8 Not Answered	
			9 Not Applicable	
			Note: If a series of variables (e.g. FAFURA-FAFURI)	
			is not applicable, then all variables in the series	
			are coded 9. If a series of variables is not	
			answered, then the first eight variables (e.g.	
			FAFURA-FAFURH) are coded 9 and the last variable	
			(e.g. FAFURI) is coded 8.	
0187	FPLFUL	80N	Main Fuel Used In Fireplace Or Heating Stove	
			1 Wood Or Wood By-Products	
			2 Coal	
			3 Other	
			4 None	
			8 Not Answered	
			9 Not Applicable	
0188	BUYFUL	80N	All Wood Used To Heat In Past 12 Months Was Purchased	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0189	HEQUIP	73N-81N 83N 74S-83S	Main Type of Heating Equipment Used 73N-76N 77N-81N 83N <u>74S-75S</u> <u>76S-83S</u> 1 1 Central Warm Air Furnace 2 2 Heat Pump 3 3 Steam Or Hot Water/Hot Air 4 4 Built-In Electric Units 5 5 Floor, Wall or Pipeless Furnace 6 6 Room Heater With Vent or Flue Burning Gas, Oil, or Kerosene 7 7 Room Heater Without Vent or Flue Burning Gas, Oil, Or Kerosene 8 8 Fireplace, Stove, or Space Heater 9 9 No Heating Equipment 99 Non-Interview	A,C
0190	HADDL	73N-81N 83N 74S-83S	Used Additional Heating Equipment Past Winter 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0191	SAFUR	80S-81S	Supplemental Heating Equipment	
0192	SHPMP		Suppl Heat-Centr1 Wrm Air Furn W/Ducts	
0193	SSTEAM		Suppl Heat From Heat Pump	
0194	SELECT		Suppl Heat From Steam/Hot Water System	
0195	SPLF		Suppl Heat From Electric Units	
0196	SFLIN		Suppl Heat From Floor/Wall/Pipeless Furn	
0197	SFLOT		Suppl Heat From Vented Room Heater(s)	
0198	SFRPL		Suppl Heat From Unvented Room Heater(s)	
0199	SSTOVE		Suppl Heat From Fireplace	
0200	SPORTH		Suppl Heat From Stoves	
0201	SHOTH		Suppl Heat From Portable Room Heaters	
			Suppl Heat From Other Source(s)	
			Standard Codes For All Variables Are:	
			0 No Supplemental Heating Equipment Of The Type Specified	
			1 Supplemental Heating Equipment Of The Type Specified	
			9 Not Applicable	
			Note: These variables have been recoded in 1980S so that they conform to coding conventions used in 1981S.	
0202	SNONE	80S-81S	No Supplemental Heating Equipment 0 Some Suppl Heat Equip Specified Above 1 No Supplemental Heating Equipment 9 Not Applicable	

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 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0203	NAFUR	80S-81S	No. Days This Type Suppl. Heat. Equip. Used Last Winter	
0204	NHPMP		Number of Days Warm Air Furnace Used	
0205	NSTEAM		Number of Days Steam Or Hot Water Used	
0206	NELECT		Number of Days Electric Heat Used	
0207	NPLF		Number of Days Pipeless Furnace Used	
0208	NFLIN		Number of Days Vented Room Heater Used	
0209	NFLOT		Number of Days Unvented Room Heater Used	
0210	NFRPL		Number of Days Fireplace Used	
0211	NSTOVE		Number of Days Stove(s) Used	
0212	NPORTH		Number of Days Portable Room Heater Used	
			For All Variables, Standard Values Are:	
			1 Less Than 10 Days	
			2 10-30 Days	
			3 31-60 Days	
			4 61-90 Days	
			5 Greater Than 90 Days	
			6 Not Used	
			8 Not Answered	
			9 Not Applicable	
0213	NHOTH	80S-81S	Number of Days Other Heat Source Used	
			1 Less Than 10 Days	
			2 10-30 Days	
			3 31-60 Days	
			4 61-90 Days	
			5 Greater Than 90 Days	
			6 Not Used	
			8 Not Answered	
			9 Not Applicable	
0214	SUPHEQ	78N-79N	Supplemental Heating Equipment In Past 12 Months	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0215	HA01SL	78N-80N	Supplemental Heating Equip Acquired In Last 12 Months	
0216	HA02WS		1 Solar Heating Equipment Acquired In Last 12 Months	
0217	HA03FP		2 Wood Or Coal Burning Stove Acquired In Last 12 Mos.	
0218	HA04EH		3 Wood Or Coal Burning Fireplace Acq. In Last 12 Mos.	
0219	HA05UV		4 Portable Electric Heater Acquired In Last 12 Months	
			5 Room Heater W/O Flue/Vent Burning Gas/Oil/Kerosene Acquired In Last 12 Months	
0220	HA06OT		6 Other Type Of Supplemental Heating Equipment Acq. In Last 12 Months	
0221	HA07ND		7 No Supp. Heating Equipment Acquired In Last 12 Mos. Standard Codes For All Variables Are:	
			0 No Supplemental Heating Equipment of the Specified Type Acquired In Past 12 Months	
			8 Not Answered	
			9 Not Applicable	
			Note: HA07ND exists only in 80N, not present in 78N-79N.	
0222	WSOLAR	78N-80N	Supplemental Solar Water Heating Unit	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0223	FRPL	80N	House/Apartment Has Fireplace Or Heating Stove	
0224	FPLWK		Fireplace Or Heating Stove In Working Order	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0225	IFND	73N 74S	Any Rooms Without Hot Air Ducts	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Out of Universe	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0226	NUMND	73N-81N 83N 74S-83S	Number of Rooms Without Hot Air Ducts 73N 74N-81N 83N 74S 75S-83S	
			1 None	
			1 2 One Room	
			2 3 Two Rooms	
			3 4 Three or More Rooms	
			8 8 Not Answered	
			9 9 Not Applicable	
0227	FURAGE	77N-79N	Age of Furnace	
			1 0-3 Years	
			2 4-10 Years	
			3 11-20 Years	
			4 21-40 Years	
			5 41 Or More Years	
			6 Don't Know	
			8 Not Answered	
			9 Not Applicable	
0228	FURMAN	77N-79N	Maintenance Done On Furnace In Last 12 Months	
0229	CONFUR		Maintenance Contract on Furnace	
0230	THERM		Thermostat in Living Quarters	
0231	THERMC		Thermostat is Clock Operated	
0232	THERMS		Ever Change Setting of Thermostat	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0233	THERMY	77N-79N	How Often Change Thermostat	
			1 Occasionally	
			2 Regularly	
			3 Don't Know	
			8 Not Answered	
			9 Not Applicable	
0234	HOTPIP	77N-79N	Hot Piped Water	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0235	WFUEL	77N-80N	Fuel Used To Heat Water	A
			1 Gas, Underground Pipe	
			2 Bottled Gas	
			3 Electricity	
			4 Fuel Oil	
			5 Kerosene	
			6 Coal or Coke	
			7 Solar Heat	
			8 Other Fuel	
			9 No Fuel Used	
			10 Not Answered	
			99 Not Applicable	
0236	FREEZE	79N-81N 83N 82S-83S	House Too Cold 24+ Hours	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	

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 C = Core variable (For National Surveys only)
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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0237	IFCOLD	73N-78N	Heat Breakdowns Last Winter Lasted 6 Hours Or More	
		81N	1 Yes	
		83N	2 No	
		74S-83S	8 Not Answered	
			9 Not Applicable	
0238	NUMCOLD	73N-78N	No. of Heat Breakdowns Last Winter Lasting 6+ Hours	
		81N		
		83N	1 1	
		74S-83S	2 2	
			3 3	
			4 4 Or More	
			8 Not Answered	
			9 Not Applicable	
0239	IFCLSD	73N-78N	Any Rooms Closed for Warmth Last Winter	
		81N	1 Yes	
		83N	2 No	
		74S-83S	8 Not Answered	
			9 Not Applicable	
0240	NUMCLSD	73N-78N	Number and Which Rooms Closed For Warmth	
		81N	4 Only Rooms Other Than Bedrm, Living, Dining	
		83N	30 Bedrooms	
		74S-83S	34 Bedrooms And Other Rooms	
			200 Dining	
			204 Dining, Other	
			230 Dining, Bedrooms	
			234 Dining, Bedrooms, And Other Rooms	
			1000 Living	
			1004 Living And Other Rooms	
			1030 Living, Bedrooms	
			1034 Living, Bedrooms, Other	
			1200 Living, Dining	
			1204 Living, Dining, Other	
			1230 Living, Dining, Bedrooms	
			1234 Living, Dining, Bedrooms And Other Rooms	
			9998 Not Answered	
			9999 Not Applicable	
0241	STORMW	74N-80N	Storm Windows/Other Window Protection Present	
0242	STORMD	75S-81S	Storm Doors Present	
			1 Yes, All	
			2 Yes, Some	
			3 No	
			8 Not Answered	
			9 Not Applicable	
0243	NEWSW	75N	Storm Windows Installed In Last 12 Months	
0244	NEWSD	77N-80N	Storm Doors Installed In Last 12 Months	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0245	NEWC	80N	Protective Window Coverings Installed In Past 12 Mos.	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0246	NEWSHUT	80N	Closable Shutters On Windows Installed In Past 12 Mos.	
			1 Yes	
			2 No	
			3 Don't Know	
			8 Not Answered	
			9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0247	INSUL	74N-80N 75S-81S	Attic or Roof Insulation 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0248	NEWAIN	75N 77N-80N	Attic Insulation Added In Last 12 Months 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0249	AMTAIN	75N 77N-79N	Amount of Attic Insulation Added In Past 12 Months 1 Less Than 3 Inches 2 3-6 Inches 3 6 Inches or More 4 Don't Know 8 Not Answered 9 Not Applicable	
0250	NEWWIN	75N 77N-80N	Wall Insulation Installed In Last 12 Months 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0251	NEWINW	80N	Insulation For Hot Water Equip Installed In Past 12 Mos	
0252	INSFL		Insulation For Floors/Crawl Spaces Added In Past 12 Mos 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0253	NEWIN	75N 77N-80N	Insulation Added In Last 12 Months 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0254	NEWICST	75N 77N-80N	Cost of Insulation Added In Last 12 Months 75N 80N 77N-79N	
			1 1 \$1-\$49	
			1 2 \$1-\$99	
			2 2 \$50-\$99	
			2 3 \$100-\$199	
			3 3 \$100-\$249	
			3 4 \$200-\$399	
			4 4 \$250-\$499	
			4 5 \$400 or more	
			5 5 \$500-\$999	
			6 6 \$1,000 or more	
			5 7 Don't know	
			6 8 No Charge or None	
			8 98 Not Answered	
			9 99 Not Applicable	

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0255	NEWWTH	75N 77N-80N	Weatherstripping Installed In Last 12 Months 75N 77N-79N 80N 1 1 Yes 2 2 No 3 Don't Know 8 8 Not Answered 9 9 Not Applicable	
0256	AIR	73N-81N 83N 74S-83S	Air Conditioning Present 1 Yes 2 No 9 Not Applicable	A,C
0257	AIRSYS	73N-81N 83N 74S-83S	Type of Air Conditioning 1 Central 2 Room Units 9 Not Applicable	A,C
0258	NUMAIR	73N-81N 83N 74S-83S	Number of Room Air Conditioners 1 1 Unit 2 2 Units 3 3 Units 4 4 Units 5 5 Units 6 6 Units 7 7 Units 8 8 Or More Units 9 Not Applicable	A,C

Use of Other Cooling Equipment to Reduce Use of Central Air Conditioning

0259	RARUNT	80N	1 Room Air Conditionr Used To Reduce Use Of Central AC
0260	RAAWNS		2 Awings Used to Reduce Use of Central AC
0261	RADHMD		3 Dehumidifier Used To Reduce Use of Central AC
0262	RACFAN		4 Ceiling Fan Used To Reduce Use of Central AC
0263	RAATFN		5 Attic Fan Used To Reduce Use of Central AC
0264	RAWNFN		6 Window Fan Used To Reduce Use Of Central AC
0265	RAPOFN		7 Portable Fan Used To Reduce Use Of Central AC

The Codes Unique To Each Variable Are Shown Above;
Standard Codes For All Variables Are:

- 0 The Item Was Not Used To Reduce Use Of Central A.C.
- 9 Not Answered Or Not Applicable

Note: To Distinguish Between Not Answered And Not Applicable, Use RANONE.

0266	RANONE	80N	Nothing Reduced Use Of Central Air Conditioning 0 Something Used To Reduce Use Of Central A.C. 8 Nothing Used To Reduce Use Of Central A.C., or Not Answered 9 Not Applicable
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Note: To distinguish between "nothing used" and "not answered" use one of the previous 7 variables.

Data on other housing quality are represented by the presence of deficiencies (e.g., leaks, holes, cracks) and by the presence of amenities such as working light fixtures in public halls and garbage collection.

For background information on variables documented in this section, refer to Appendix A, Section 7.0. A discussion of the concept of housing quality, selected measures of inadequate housing and programming commands for two indices frequently used by HUD are included in Appendix C.

OTHER HOUSING QUALITY

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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0267	HOWH	74N-81N 83N 74S-83S	Resident's Satisfaction With House As Residence 1 Excellent 2 Good 3 Fair 4 Poor 8 Not Answered 9 Not Applicable	
0268	BLEAK	73N-78N 83N 74S-81S 83S	Signs of Basement Leaks 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0269	RLEAK	73N-81N 83N 74S-83S	Leaking Roof 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0270	CRACKS	73N-81N 83N 74S-83S	Open Cracks or Holes in Walls or Ceiling 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
0271	HOLES	73N-81N 83N 74S-83S	Holes In Floor 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
0272	PEEL	73N-74N 74S-75S	Broken Plaster or Peeling Paint Inside 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0273	BIGP	73N-74N 74S-75S	Broken Plaster or Peeling Paint Over 1 Square Foot 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0274	PAINT	75N-81N 83N 76S-83S	Any Peeling Paint Over 1 Square Foot 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
0275	PLASTER	75N-81N 83N 76S-83S	Any Broken Plaster Over 1 Square Foot 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
0276	DILAPM	74N-77N 75S-81S	Want to Move Because Of Leaks, Cracks, Holes, Broken Plaster, Peeling Paint 1 Yes 2 No 8 Not Answered 9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0277	ZDEFM	74N-77N	Like to Move Because of Structural Deficiencies 1 Move Due to 1 Condition 2 Move Due to 2 Conditions 3 Move Due to 3 Conditions 4 Deficiencies Reported, But Would Not Like To Move 5 Wish to Move Not Reported 6 No Structural Deficiencies 8 Not Reported (Not on 74N) 9 Not Applicable	
			Note: This variable combines data from the following variables: BLEAK, RLEAK, CRACKS, HOLES, PEEL, BIGP, PAINT, PLASTER and DILAPM	
0278	LTS	73N-81N 83N 74S-83S	Light Fixtures in Building Public Halls 1 Yes 2 No 3 No Public Halls 8 Not Answered 9 Not Applicable	
0279	LTSOK	73N-81N 83N 74S-83S	Public Hall Light Fixtures Working 1 All Work 2 Some Work 3 None Work 8 Not Answered 9 Not Applicable	
0280	BADSTEP	73N-81N 83N 74S-83S	Hazardous Steps on Common Stairways 1 Yes 2 No 3 No Common Stairs 8 Not Answered 9 Not Applicable	
0281	RAILOK	73N-81N 83N 74S-83S	Firmly Attached Stair Railings 1 Yes 2 No 3 No Stair Rails 8 Not Answered 9 Not Applicable	
0282	PLUGS	73N-81N 83N 74S-83S	Working Electric Wall Outlets in Every Room 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0283	IFBLOW	73N-81N 83N 74S-83S	Blew Fuses or Breakers In Last 90 Days 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0284	NUMBLOW	73N-81N 83N 74S-83S	No. of Times Blew Fuses or Breakers In Last 90 Days 1 1 2 2 3 3 Or More 8 Not Answered 9 Not Applicable	

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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0285	NOWIRE	73N-81N 83N 74S-83S	Wiring in House Concealed 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0286	TRASH	73N-77N 74S-81S	Garbage Collection Services For Unit 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable Note: 1974 Census Documentation Shows 4=Not Answered	
0287	FTRASH	73N-77N 74S-81S	Frequency of Garbage Pickup 1 Less Than Once A Week 2 Once a Week 3 Twice a Week 4 3 or More Times a Week 5 Don't Know 8 Not Answered 9 Not Applicable	
0288	DISP	73N-77N 74S-81S	Means of Garbage Disposal 1 Incinerator 2 Chute or Compactor 3 Garbage Disposal 4 Carry To Be Picked Up 5 Other Means 8 Not Answered 9 Not Applicable Note: No cases with code 4 were found in 1976S and 1977S.	
0289	RATS	73N-81N 83N 74S-83S	Signs of Rats or Mice in Building In Last 90 Days 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0290	RATMIC	77N-78N 78S-81S	Mice or Rats in House (Building) 1 Mice 2 Rats 3 Mice and Rats 4 Don't Know 8 Not Answered 9 Not Applicable	
0291	EXTERM	73N-81N 83N 74S-83S	Service by Exterminator 1 Regularly 2 When Needed 3 Irregularly 4 Not At All 8 Not Answered 9 Not Applicable	
0292	OWNHERE	73N-77N 83N 74S-78S 83S	Owner of Building Lives Here (Renter) 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0293	MGRHERE	73N-77N 83N 74S-78S 83S	Manager, Superintendent, or Janitor Lives Here (Renter) 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	

General variables include the date head of household moved in, whether head moved in within last twelve months, and whether head lived in unit within the last ninety days. If the reference person is a recent mover, data on previous residence, migration, and reasons for move are collected. Residents are classified as "recent movers" if the reference person moved into the unit within the last twelve months. Variables documented in this section are collected in the Previous Residence, Mobility, Recent Movers and Migration sections of the surveys.

For background information refer to Appendix A, Section 10.0.

PREVIOUS RESIDENCE AND MOBILITY

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0294	NLINE	80N	Line No. of Prev. Res. and Mobility Respondent 01-96 01 To 96 98 Not Answered 99 Not Applicable	
0295	MOVED	73N-81N 83N 74S-83S	Date Head/Reference Person Moved In 1 1965 to 4/1/70 2 1960 to 1964 3 1950 to 1959 4 1949 Or Earlier MMYY Month And Year Since 3/70 9999 Not Applicable Note: Until 1979, question was asked of the head. In 80N-81N, 83N, and 80S-83S, the question was asked of the reference person.	A,C
0296	MOVEMO	79N	Month Reference Person Moved In Since 4/1/70 00 Not Applicable 01 January 02 February 03 March 04 April 05 May 06 June 07 July 08 August 09 September 10 October 11 November 12 December 99 Not Applicable (Including Cases In Which Ref Person is Head)	
0297	MOVEYR	79N	Year Reference Person Moved In 1 1965 to 4/1/70 2 1960 to 1964 3 1950 to 1959 4 1949 or Earlier YY Year Moved In Since 4/1/70 99 Not Applicable (Including Cases In Which Ref Person Is Head)	
0298	RMYEAR	73N-81N 83N 74S-83S	Reference Person Moved Here In Last 12 Months 1 Yes 2 No 9 Not Applicable	
0299	RM90	73N-81N 83N 74S-83S	Reference Person Lived Here Last 90 Days 1 Yes 2 No 9 Not Applicable	
0300	RMWINT	73N-81N 83N 74S-83S	Reference Person Lived Here Last Winter 1 Yes 2 No 9 Not Applicable Note: In 83N and 82S-83S the wording of the question changed from "last winter" to "before February 19--".	
0301	NUMOVE	80N-81N 83N 82S-83S	Number of Other Moves Made in Last 12 Months 1 None 2 One 3 Two 4 Three Or More 8 Not Answered 9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES	
0302	XHEAD	73N-81N 83N 74S-83S	Reference Person Was Head of Household in Prev. Res. 73N-76N 77N-81N 83N <u>74S-77S 78S-82S 83S</u> 1 1 2 2 1 2 3 3 4 9 9 9	Yes, and Person Responding Is Presently Head Yes, and Person Responding Is Not Presently Head Yes No No, and Person is the Reference Person No, and Person is Not the Reference Person Not Applicable	
0303	XMEMB	73N-81N 83N 74S-83S	Respondent Was Member Of Household In Previous Residenc 1 Yes 2 No 8 Not Answered 9 Not Applicable	Note: In 83N and 83S, question is asked only if XHEAD is coded 2 or 4.	
0304	XLOC	73N-81N 83N 74S-83S	Location Of Previous Unit 74S-83S 73N-77N 78N-81N <u>83N</u> 1 1 1 2 1 2 3 2 3 4 4 4 5 3 5 6 4 6 7 7 7 9 9 9	Same SMSA, Central City Same SMSA Same SMSA, Not Central City Different SMSA Different SMSA, Central City Different SMSA, Not Central City Non-SMSA, Same State Non-SMSA, Same County Non-SMSA, Diff County, Same State Non-SMSA, Different State Not Applicable	A
0305	XLOT	73N-81N 83N 74S-83S	Previous House On Lot Of 10 Acres Or More (Owner) 1 Yes 2 No 9 Not Applicable	Note: Applies to both owner and renter on 73N,74S.	
0306	XLOTR	74N-81N 83N 75S-83S	Previous House On Place Of 10 Acres Or More (Renter) 1 Yes 2 No 9 Not Applicable		
0307	XTENURE	73N-81N 83N 74S-83S	Tenure While At Previous Residence 73N 74N-81N 83N <u>74S 75S-83S</u> 1 1 2 3 2 4 3 5 4 6 5 7 4 8 5 9 9	Owned Or Being Bought Own Cooperative Or Condominium Own Cooperative Own Condominium Rented For Cash No Cash Rent Not Applicable	A

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0308	ZXTEN	73N-81N 83N 74S-83S	Recoded Specified Owner Of Previous Residence 73N 74N-81N 83N 74S 75S-83S 1 1 Specified Owner 2 Specified Renter 2 Other Owner Occupied 3 3 Other Occupied 9 9 Not Applicable	
0309	XPROJ	73N-81N 83N 74S-83S	Previous Residence In Publicly Owned Housing 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0310	XSUB	73N-81N 83N 74S-83S	Government Subsidy At Previous Residence 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0311	XCOMDOC	73N-81N 83N 74S-83S	Commercial, Doctor, Or Dentist Establishment At Previous Residence 1 Yes 2 No 9 Not Applicable	
0312	XNUNITS	73N-81N 83N 74S-83S	Number Of Living Quarters In Previous Residence 1 Mobile Home Or Trailer 2 One Unit, Detached 3 One Unit, Attached 4 2 5 3 Or 4 6 5 To 9 7 10 To 19 8 20 To 49 9 50 Or More 98 Not Answered 99 Not Applicable Note: In 1983N and 1983S, The Question Is Asked Of All Recent Movers. In All Other Years, The Question Is Applicable Only If The Respondent Is The Reference Person (XHEAD = 1).	
0313	XPLUMB	73N-81N 83N 74S-83S	Complete Plumbing In Previous Residence 1 Yes, Sole Use 2 Yes, Shared 3 No 8 Not Answered 9 Not Applicable Note: In 1983N and 1983S, The Question Is Asked Of All Recent Movers. In All Other Years, The Question Is Applicable Only If The Respondent Is The Reference Person (XHEAD = 1).	
0314	XROOMS	73N-81N 83N 74S-83S	Number Of Rooms In Reference Person's Prev. Residence 74N-77N 73N 78N-81N 83N 74S-83S <hr/> 1-11 1 to 11 Rooms 1-85 1 to 85 Rooms 12 12 or More Rooms 98 98 Not Answered 99 99 Not Applicable Note: In 1983N and 1983S, The Question Is Asked Of All Recent Movers. In All Other Years, The Question Is Applicable Only If The Respondent Is The Reference Person (XHEAD = 1).	

REF# NAME DATES(S) DESCRIPTION NOTES

0315 XBDRMS 73N-81N No. Of Bedrooms In Reference Person's Prev. Residence
 83N 0-80 0-80 Bedrooms
 74S-83S 98 Not Answered
 99 Not Applicable
 Note: In 1983N and 1983S, The Question Is Asked Of All Recent Movers. In All Other Years, The Question Is Applicable Only If The Respondent Is The Reference Person (XHEAD = 1).

0316 XPER 73N-81N No. Of Persons In Reference Person's Prev. Residence
 83N 74N-77N 73N 80N 81N 74S-83S
 74S-83S 78N-79N
 83N

1-11					1-11 Persons
12					12 or More Persons
	1-38	1-38	1-38		1-38 Persons
	39				39 or More Persons
				1-72	1-72 Persons
		39	39		Not Answered
98	98	98		98	Not Answered
99	99	99	99	99	Not Applicable

Note: In 1983N and 1983S, The Question Is Asked Of All Recent Movers. In All Other Years, The Question Is Applicable Only If The Respondent Is The Reference Person (XHEAD = 1).

0317 ZXCROWD 73N-81N Recoded Persons Per Room-Previous Residence
 83N 001-996 1 To 9.96 Persons
 74S-83S 997 9.97 Or More
 998 Not Reported--Unclear
 999 Not Applicable
 Note: In 1983N and 1983S, The Question Is Asked Of All Recent Movers. In All Other Years, The Question Is Applicable Only If The Respondent Is The Reference Person (XHEAD = 1).

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0321	XPAYE	73N-81N	At Previous Residence Household Paid Electricity	
0322	XPAYG	83N	At Previous Residence Household Paid Gas	
0323	XPAYO	74S-83S	At Previous Residence Household Paid Oil, Coal, Etc.	
			1 Yes	
			2 No, Included In Rent	
			3 No, Not Used Or Free	
			8 Not Answered	
			9 Not Applicable	
0324	XPAYW	73N-81N	At Previous Residence Household Paid Water	
0325	XPAYT	83N	At Previous Residence Household Paid Garbage Collection	
0326	XIFF	74S-83S	Previous Residence Rented Furnished	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0327	XPAYF	73N-77N	Previous Residence Furniture Included In Rent	
0328	XOTHF	74S-81S	Previous Residence Furniture Rented From Non-Landlord	
0329	XIFP		Previous Residence Parking Available With Building	
0330	XINCP		Previous Residence Parking Space Included In Rent	
0331	XFARP		At Prev. Res. Parking in Neighbrhd Not Connected W/Bldg	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0332	XPAYP	73N-77N 74S-81S	At Previous Residence Household Rented A Parking Space 73N-77N 79S-81S 74S-78S	
			1 Yes	
			2 No, Or Available With Charge	
			8 Not Answered	
			9 Not Applicable	
0333	ZXPARK	73N-77N 74S-81S	Recoded Parking Facilities Previous Unit (Rec Mov Only) 74S 73N-77N 75S-81S	
			1 Parking Cost in Rent	
			2 Parking Paid Separately	
			3 Parking Payment Method Not Reported	
			4 Space Not Rented	
			5 Rent Not Reported	
			6 Space Rented Elsewhere	
			7 Space Not Rented Elsewhere	
			8 Whether Space Rented Elsewhere Not Reported	
			9 Parking Availability Not Reported	
			10 Rent No Cash Rent	
			11 Diff. Head in Previous and Present Unit	
			27 Undocumented Code	
			99 Not Applicable	
0334	XCOSTE	73N-81N	At Previous Residence Monthly Cost Of Electricity	
0335	XCOSTG	83N	At Previous Residence Monthly Cost Of Gas	
0336	XCOSTT	74S-83S	At Previous Residence Annual Cost Of Garbage Collection	
0337	XCOSTF		Previous Residence Monthly Rent on Furniture	
0338	XCOSTP		Previous Residence Monthly Cost of Parking Space	
			1-997 \$1-\$997	
			998 Not Answered	
			999 Not Applicable	

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0339	XCOSTO	73N-81N	At Previous Residence Annual Cost Of Oil, Coal, Etc.	
0340	XCOSTW	83N	At Previous Residence Annual Cost Of Water	
		74S-83S	73N-74N 75N-81N	
			83N	
			<u>74S</u> <u>75S-83S</u>	
			1-1998 \$1-\$1998	
			1-9996 \$1-\$9996	
			1999 \$1999 Or More	
			9997 \$9997 Or More	
			9998 9998 Not Answered	
			9999 9999 Not Applicable	
0341	XIFU	80N-81N	Did Reference Person Have A Job, Previous Residence	
		82S	1 Yes	
			2 No	
			9 Not Applicable	
0342	XWORK	80N-81N	Prev Resid Workplace Of Ref Person Same As Now	
		82S	1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0343	XTRANJ	80N-81N	Ref Person's Principal Means of Transp To Wrk, Prev Res	
		82S	1 Drives Alone	
			2 Carpool	
			3 Bus Or Streetcar	
			4 Subway or Elevated	
			5 Railroad	
			6 Taxicab	
			7 Motorcycle or Moped	
			8 Bicycle	
			9 Other Type of Vehicle	
			10 Walked Only	
			11 Worked At Home	
			98 Not Answered	
			99 Not Applicable	
			Note: Variable May Be In Error In Early Versions Of 1981N Files.	
0344	XVEHCL	80N-81N	Was Car Or Truck Driven To Work From Prev Res	
		82S	1 Car	
			2 Truck	
			3 Van	
			8 Not Answered	
			9 Not Applicable	
0345	XHJOB	80N-81N	Usually Reported To Same Loc. Each Day From Prev Res	
		82S	1 Yes	
			2 No	
			9 Not Applicable	
0346	XTIMEJ	80N-81N	Time Usually Took Ref Person From Prev Res to Work	
		82S	1-997 1-997 Minutes	
			998 Not Answered	
			999 Not Applicable	
0347	XDISTJ	80N-81N	Distance From Prev Res To Work	
		82S	0 Less Than A Mile	
			1-997 1-997 Miles	
			998 Not Answered	
			999 Not Applicable	

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0348	STBORN	79N-80N	State In Which Reference Person Was Born	
0349	STPLACE		State In Which Reference Person Lived At Age 16	
0350	STIN5		Preferred State In 5 Years (Ref. Person)	
			0 Outside U.S.	
			1 Alabama	
			2 Alaska	
			3 American Samoa	
			4 Arizona	
			5 Arkansas	
			6 California	
			7 Canal Zone	
			8 Colorado	
			9 Connecticut	
			10 Delaware	
			11 District of Columbia	
			12 Florida	
			13 Georgia	
			14 Guam	
			15 Hawaii	
			16 Idaho	
			17 Illinois	
			18 Indiana	
			19 Iowa	
			20 Kansas	
			21 Kentucky	
			22 Louisiana	
			23 Maine	
			24 Maryland	
			25 Massachusetts	
			26 Michigan	
			27 Minnesota	
			28 Mississippi	
			29 Missouri	
			30 Montana	
			31 Nebraska	
			32 Nevada	
			33 New Hampshire	
			34 New Jersey	
			35 New Mexico	
			36 New York	
			37 North Carolina	
			38 North Dakota	
			39 Ohio	
			40 Oklahoma	
			41 Oregon	
			42 Pennsylvania	
			43 Puerto Rico	
			44 Rhode Island	
			45 South Carolina	
			46 South Dakota	
			47 Tennessee	
			48 Texas	
			49 Utah	
			50 Vermont	
			51 Virginia	
			52 Virgin Islands	
			53 Washington	
			54 West Virginia	
			55 Wisconsin	
			56 Wyoming	
			98 Not Answered Or Not Applicable	
			99 Suppressed	

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0351	WHRIN5	79N-80N	Prefer to Change Area in 5 Years (Ref. Person) 1 Same Area 2 Some Place Else 8 Not Answered 9 Not Applicable	
0352	PLCIN5	79N-80N	In 5 Years, Reference Person Would Prefer To Live In 1 Suburb Near Large City 2 Large City 3 Medium City Or Its Suburbs 4 Small City 5 Town Or Village 6 Open Country, But Not A Farm 7 Farm 8 Other 98 Not Answered 99 Not Applicable	
0353	LKLYN5	79N-80N	How Likely Is Move To Place Indicated Above Within 5 Yr 1 Very Likely 2 Likely 3 Not Very Likely 4 No Chance At All 5 Don't Know 8 Not Answered 9 Not Applicable	
0354	PLAC16	79N-80N	At Age 16 Reference Person Lived In 1 Suburb Near Large City 2 Large City 3 Medium City or Its Suburbs 4 Small City 5 Town Or Village 6 Open Country, Not A Farm 7 Farm 8 Other 98 Not Answered 99 Not Applicable	
0355	HERE16	79N-80N	At Age 16, Did Ref Person Live In Same Or Diff Place (City/Suburb/Town/Rural Area) 1 Same Place 2 Different Place 8 Not Answered 9 Not Applicable Note: Question changed on 80N to: "At age 16, did reference person live in this area?"	
0356	CHHEAD	73N-77N 80N 74S-81S	Reference Person's Residence on 4/1/70 73N-77N 80N 74S-77S 78S-81S 0 1 Outside U.S. 9 9 Inside U.S., URE, Vacant, or Non-Interview 99 99 Non-Interview or Not In Sample Note: Change of date in 77N-80N to 4/1/75 and in 81S to 4/1/80. Note also that although the questionnaires show 0 for outside U.S. in 80N, these cases are coded 1 in the data files.	A
0357	CHUSAF	73N-77N 74S-81S	Reference Person in U.S. Armed Forces 4/1/70 1 Yes 2 No 9 Not Applicable Note: Change of date in 77N to 4/1/75 and in 81S to 4/1/80	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0358	CINLIM	73N-77N 80N-81N 83N 74S-83S	Reference Person Lived In City/Town Limits 4/1/70 1 Yes 2 No 8 Not Answered 9 Not Applicable Note: Change of date in 77N-83N to 4/1/75 and in 81S-83S to 4/1/80. Note also that the concept changed in 1981N, 1983N, 1982S-1983S--the question then refers to the previous residence and is asked of recent movers only.	
0359	XINUS	73N 78N-81N 83N 74S 79S-83S	Previous Residence Outside The U.S. 1 Yes 9 Not Applicable	
0360	WHYMOVE	73N-81N 83N 74S-83S	Primary Reason Ref. Person Moved From Prev. Res. 73N 74N-78N 79N-81N 83N <u>74S</u> <u>75S-79S</u> <u>80S-83S</u>	
			01 01 01 Job Transfer 02 Look For Work 03 Take New Job 04 Entered (Or Left) Armed Forces 05 Retirement 06 Commuting Reasons 07 Attend School 08 Other Employment Reasons 09 Needed Larger Unit Separated Divorced 10 Divorced Or Separated 11 Widowed 12 Closer To Relatives 13 Newly Married 14 Family Size Increased 15 Family Size Decreased 16 Establish Own Household 17 Other Family Reasons 18 Neighborhood Overcrowded 19 Racial/Ethnic Composition 20 Crime 21 Wanted Neighborhood With Children 22 Wanted Neighborhood Without Children 20 23 Wanted Better Neighborhood 24 Wanted More Expensive Place Or Better Investment 19 21 25 Wanted To Own 21 23 26 Wanted Better House 25 27 27 Wanted To Rent 26 28 28 Wanted More Conveniences 20 22 29 Wanted Lower Rent Or Less Expensive House 28 30 30 Wanted Change In Climate 22 24 31 Displaced By Public Action 23 25 32 Displaced By Private Action 24 26 33 Schools 27 29 34 Natural Disaster 29 31 35 Other Reasons 98 98 98 Not Answered 99 99 99 Not Applicable	

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
Reasons For Moving From Previous Residence				
0361	WMO1JT	79N-81N	1 Reason Moved-Job Transfer	
0362	WMO2LW	83N	2 Reason Moved-Look For Work	
0363	WMO3NJ	80S-83S	3 Reason Moved-Take A New Job	
0364	WMO4AF		4 Reason Moved-Enter/Leave U.S. Armed Forces	
0365	WMO5RT		5 Reason Moved-Retirement	
0366	WMO6CT		6 Reason Moved-Commuting	
0367	WMO7AS		7 Reason Moved-To Attend School	
0368	WMO8OE		8 Reason Moved-Other Employment-Related	
The Codes Unique To Each Variable Are Shown Above; Standard Codes For All Variables Are:				
0 Respondent Did Not Cite This Reason For Moving				
9 Not Answered Or Not Applicable				
Note: To Distinguish Between Not Answered And Not Applicable Use Variable WM350T.				
0369	WMO9LH	79N-81N 83N 80S-83S	Reason Moved-Larger House/Apartment 79N-81N 80S-83S 83N	
0 Respondent Did Not Cite This Reason for Moving				
9 Respondent Cited This Reason, Not Answered or Not Applicable				
9 Respondent Cited This Reason				
99 Not Answered Or Not Applicable				
Note: In 1979N-1981N and 1983N, To Distinguish Between Cited This Answer, Not Answered and Not Applicable, Use WM350T, If WM350T = 00 or 35, Then 9 in WM09LH Means "Cited This Reason".				
Reasons for Moving From Previous Residence, Cont.				
0370	WM10DS	79N-81N	10 Reason Moved-Divorced/Separated	
0371	WM11WD	83N	11 Reason Moved-Widowed	
0372	WM12CR	80S-83S	12 Reason Moved-Closer To Relatives	
0373	WM13NM		13 Reason Moved-Newly Married	
0374	WM14FI		14 Reason Moved-Family Increased	
0375	WM15FD		15 Reason Moved-Family Decreased	
0376	WM16EH		16 Reason Moved-To Establish Own Household	
0377	WM17FR		17 Reason Moved-Other Family Related	
0378	WM18OC		18 Reason Moved-Neighborhood Overcrowded	
0379	WM19RC		19 Reason Moved-Racial/Ethnic Shift	
0380	WM20CM		20 Reason Moved-Crime	
0381	WM21WC		21 Reason Moved-Neighborhood With Children	
0382	WM22NC		22 Reason Moved-Neighborhood Without Children	
0383	WM23BN		23 Reason Moved-Better Neighborhood	
0384	WM24BI		24 Reason Moved-More Expensive Place/Better Investment	
0385	WM25OR		25 Reason Moved-To Own Unit	
0386	WM26BH		26 Reason Moved-Better Home	
0387	WM27RR		27 Reason Moved-To Rent Unit	
0388	WM28MC		28 Reason Moved-Unit With More Conveniences	
0389	WM29LE		29 Reason Moved-Lower Rent/Less Expensive House	
0390	WM30CC		30 Reason Moved-Change Of Climate	
0391	WM31DP		31 Reason Moved-Displaced: UR, Hwy Const, Oth Pub Actv	
0392	WM32PA		32 Reason Moved-Displaced: Private Action	
0393	WM33SC		33 Reason Moved-Schools	
0394	WM34ND		34 Reason Moved-Natural Disaster	
The Codes Unique To Each Variable Are Shown Above; Standard Codes For All Variables Are:				
00 Respondent Did Not Cite This Reason For Moving				
99 Not Answered Or Not Applicable				
Note: To Distinguish Between Not Answered And Not Applicable Use Variable WM350T.				
0395	WM350T	79N-81N 83N 80S-83S	Reason Moved-Other Reasons 00 Respondent Did Not Cite Another Reason For Moving 35 Respondent Cited Another Reason For Moving 98 Not Answered 99 Not Applicable	

REF# NAME DATES(S) DESCRIPTION NOTES

0396 WM01CN 79N-81N 1 Reasons for Being Displaced by Private Action
 0397 WM02RH 83N 2 Displaced-Owner Converting To Condominium
 0398 WM03NR 82S-83S 3 Displaced-Owner Closed Building For Rehabilitation
 0399 WM04SL 4 Displaced-Owner Gave No Reason
 0400 WM05CI 5 Displaced-Owner Sold Building
 0401 WM06NH 6 Displaced-Rents Were Raised
 99 Displaced-Converted To Non-Residential Use
 99 Not Applicable

The Codes Unique To Each Variable Are Shown Above;
 Standard Codes For All Variables Are:

0 Respondent Did Not Cite This Reason
 For Moving
 9 Not Answered Or Not Applicable

Note: In 1979N-1981N, To Distinguish Between Not
 Answered And Not Applicable Use WM07PA. In 1983N and
 1982S-1983S Use the Variable WHYMOVE.

0402 WM07LL 83N Displaced-Owner Needed Unit For Own Family
 82S-83S 0 Respondent Did Not Cite This
 Response
 7 Respondent Cited This Answer
 9 Not Answered or Not Applicable

Note: To Distinguish Between Not Answered And Not
 Applicable, Use Variable WHYMOVE; if WHYMOVE = 32,
 Then WM07LL = 9 Means "Not Answered".

0403 WM07PA 79N-81N Displaced-Other Reason
 83N 79N-81N 83N
 82S-83S 82S-83S

0	0	Respondent Did Not Cite Other Reason For Moving
7	8	Respondent Cited Other Reason For Moving
8		Not Answered
9		Not Applicable
	9	Not Answered or Not Applicable

Note: In 83N and 82S-83S, To Distinguish Between Not
 Answered and Not Applicable, Use the Variable WHYMOVE;
 If WHYMOVE = 32, Then WM07PA = 9 Means "Not Answered".

0404 WM01IR 79N-81N Reason For Moving To Less Expensive House/Lower Rent
 0405 WM02CI 83N 1 Income Reduced
 82S-83S 2 Housing Costs Greatly Increased

The Codes Unique To Each Variable Are Shown Above;
 Standard Codes For Both Variables Are:

0 Respondent Did Not Cite This Reason
 For Moving
 9 Not Answered Or Not Applicable

Note: To Distinguish Between Not Answered And Not
 Applicable Use WM03LE.

0406 WM03LE 79N-81N Other Reason(s) For Moving To Less Expensive House
 83N 0 Respondent Did Not Cite Another Reason
 82S-83S For Moving
 3 Respondent Cited Another Reason For
 Moving
 8 Not Answered
 9 Not Applicable

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0407	WHYTO	79N-81N 83N 82S-83S	Main Reason for Moving To This Res. or Neighborhood 01 Job Transfer 02 To Look For Work 03 To Take A New Job 04 Enter U.S. Armed Forces 05 Retirement 06 Commuting Reasons 07 To Attend School 08 Other Employment Reasons 09 Needed Larger House Or Apartment 10 To Be Closer To Relatives 11 Other Family Reasons 12 Neighborhood Less Crowded 13 Racial Or Ethnic Composition Of Neighborhood 14 Low Crime Rate 15 Wanted Neighborhood With Children 16 Wanted Neighborhood Without Children 17 Wanted Better Neighborhood 18 Wanted More Expensive Place Or Better Investment 19 Residence With More Conveniences 20 Lower Rent Or Less Expensive House 21 Change of Climate 22 Schools 23 Other 98 Not Answered 99 Not Applicable	
			Reasons For Moving to Current Residence or Neighborhood	
0408	WT01JT	79N-81N	1 Reason Moved Here-Job Transfer	
0409	WT02LW	83N	2 Reason Moved Here-Look For Work	
0410	WT03NJ	82S-83S	3 Reason Moved Here-Take A New Job	
0411	WT04AF		4 Reason Moved Here-Enter/Leave U.S. Armed Forces	
0412	WT05RT		5 Reason Moved Here-Retirement	
0413	WT06CT		6 Reason Moved Here-Commuting	
0414	WT07AS		7 Reason Moved Here-To Attend School	
0415	WT08OE		8 Reason Moved Here-Other Employment Related	
			The Codes Unique To Each Variable Are Shown Above; Standard Codes For All Variables Are: 0 Respondent Did Not Cite This Reason For Moving 9 Not Answered Or Not Applicable	
			Note: To Distinguish Between Not Answered And Not Applicable Use Variable WT230T.	
0416	WT09LH	79N-81N 83N 82S-83S	Reason Moved Here-Larger Unit 0 Respondent Did Not Cite This Reason For Moving 9 Respondent Cited This Reason For Moving, Not Answered Or Not Applicable	
			Note: To Distinguish Between Cited This Reason, Not Answered And Not Applicable, Use Variable WT230T; If WT230T = 00 or 23 Then 9 In WT09LH Means "Cited This Reason."	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
Reasons for Moving (continued)				
0417	WT10CR	79N-81N	10 Reason Moved Here-Closer To Relatives	
0418	WT11FR	83N	11 Reason Moved Here-Other Family Reasons	
0419	WT12LC	82S-83S	12 Reason Moved Here-Less Crowded Neighbhd	
0420	WT13RC		13 Reason Moved Here-Racial/Ethnic Comp of Neighbhd	
0421	WT14CM		14 Reason Moved Here-Low Crime Rate	
0422	WT15WC		15 Reason Moved Here-Neighbhd With Children	
0423	WT16NC		16 Reason Moved Here-Neighbhd Without Children	
0424	WT17BN		17 Reason Moved Here-Better Neighborhood	
0425	WT18BI		18 Reason Moved Here-Better Investment	
0426	WT19MC		19 Reason Moved Here-Unit With More Conveniences	
0427	WT20LE		20 Reason Moved Here-Low Rent/Less Expensive House	
0428	WT21CC		21 Reason Moved Here-Change Of Climate	
0429	WT22SC		22 Reason Moved Here-Schools	
The Codes Unique To Each Variable Are Shown Above;				
Standard Codes For All Variables Are:				
00 Respondent Did Not Cite This Reason				
For Moving				
99 Not Answered Or Not Applicable				
Note: To Distinguish Between Not Answered And Not				
Applicable Use Variable WT230T.				
0430	WT230T	79N-81N	Reason Moved Here-Other Reasons	
		83N	00 Respondent Did Not Cite Another Reason	
		82S-83S	For Moving	
			23 Respondent Cited Another Reason For	
			Moving	
			98 Not Answered	

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Data on neighborhood conditions include the presence of particular services, their dependability/adequacy, and the presence/extent of both of particular detriments (e.g., litter, crime, pollution). Users should note that data on neighborhood conditions are based on subjective assessments of the respondent rather than on objective evaluations of the neighborhood (There are a few exceptions where the enumerator's observations are available. These are indicated as appropriate). It should also be noted that the definition of "neighborhood" varies across years (for example, in 1973, respondents were asked to rate the conditions of their street while in later years they were asked to rate the conditions of the neighborhood). Items related to previous neighborhood are presented in the Previous Residence and Mobility section.

Many of the questions were asked in a three-part format: Does the problem exist, is it disturbing to you, and does the problem make you want to move? In the 1973 National and 1974 SMSA tapes, the answers are preserved in three separate variables (e.g., CRIME, CRIMED, CRIMEM), while in later tapes, the answers were combined (for example, CRIME).

The phrase "want to move" in these variables is not intended as a measure of mobility but as a measure of dissatisfaction. Nevertheless, the variables are weakly correlated to mobility.

For additional information on neighborhood conditions, refer to Appendix A, Section 8.0.

REF# NAME DATES(S) DESCRIPTION NOTES

0446 STRND 73N Street Noise Disturbing
 0447 TRAFD 74S Heavy Street Traffic Disturbing
 0448 ROADD Street Continually in Need of Repair Disturbing
 0449 STRLD Inadequate Street Lighting Disturbing
 0450 CRIMED Street/Neighborhood Crime Disturbing
 0451 JUNKD Trash, Litter or Junk Disturbing
 0452 ABAND Abandoned or Boarded-up Buildings Disturbing
 0453 DUMPD Rundown Houses or Buildings Disturbing
 0454 NONRES Commercial, Industrial, Non-res. Activities Disturbing
 0455 ODORD Odors, Smoke or Gas Disturbing
 0456 AIRND Airplane Noise Disturbing

For All Variables, Standard Values Are:

- 1 Yes, Disturbing
- 2 No, Not Disturbing
- 8 Not Answered
- 9 Not Applicable

0457 STRNM 73N Street Noise-Want To Move
 0458 TRAFM 74S Heavy Street Traffic-Want To Move
 0459 ROADM Street Continually in Need of Repair-Want To Move
 0460 STRLM Inadequate Street Lighting-Want To Move
 0461 CRIMEM Street/Neighborhood Crime-Want To Move
 0462 JUNKM Trash, Litter or Junk-Want To Move
 0463 ABANM Abandoned or Boarded-up Buildings-Want To Move
 0464 DUMPM Rundown Houses or Buildings-Want To Move
 0465 NONRESM Commercial, Industrial, Non-res. Activities-Want To Move
 0466 ODORM Odors, Smoke or Gas-Want To Move
 0467 AIRNM Airplane Noise-Want To Move

For All Variables, Standard Values Are:

- 1 Yes
- 2 No
- 8 Not Answered
- 9 Not Applicable

0468 FUZZ 74N-77N Police Protection Adequate
 79N 74N-77N
 81N 79N,81N
 83N 83N
 74S-83S 74S 75S-83S

- 2 1 Adequate
- 1 2 Inadequate
- 3 3 Don't Know
- 8 8 Not Answered
- 9 9 Not Applicable

0469 FUZZM 74N-77N How Inadequate Is Police Protection
 79N 74N-76N
 81N 79N,81N 77N
 83N 83N
 74S-83S 74S-77S 78S-80S
 81S-83S

- 2 Not A Bother or Not Enough To Move
- 1 Not A Bother
- 2 Bothers A Little
- 3 Bothers Very Much
- 1 4 Bothers, Want To Move
- 8 8 Not Answered
- 9 9 Not Applicable

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0470	SHP	73N-77N 79N 81N 83N 74S-83S	Shopping Facilities Adequate 74N-77N, 73N 79N,81N 83N 74S 75S-83S	
			2 1 Adequate 1 2 Inadequate 3 3 Don't Know 8 8 Not Answered 9 9 Not Applicable	
0471	SHPM	73N-77N 74S-81S	How Inadequate Is Shopping 73N-76N 77N 74S-77S 78S-80S 81S	
			2 Not A Bother or Not Enough To Move 1 Not A Bother 2 Bothers A Little 3 Bothers Very Much 1 4 Bothers, Want To Move 8 8 Not Answered 9 9 Not Applicable	
0472	SHPCLS	79N 81N 83N 82S-83S	Grocery or Drug Store Within 1 Mile	
			1 Yes 2 No 8 Not Answered 9 Not Applicable	
0473	SCHPUB	79N	School(s) Children Attend (Ages 5-13)	
0474	SCHPRI	81N	1 Public Elementary School	
0475	SCHOTH	83N	2 Private Elementary School	
		82S-83S	3 Other School	
			The Codes Unique To Each Variable Are Shown Above: For All Variables, Standard Codes Are: 0 This Answer Not Given 9 Not Answered Or Not Applicable Note: To Distinguish Between Not Answered And Not Applicable, Use Variable SCHNO described below.	
0476	SCHNO	79N 81N 83N 82S-83S	Do School Age Children Attend School	
			4 Do Not Attend School 8 Not Answered 9 Not Applicable	
0477	SCHOK	79N 81N 83N 82S-83S	Is Closest Public School Satisfactory	
			1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0478	SCH	73N-77N 74S-81S	Schools Adequate 73N 74N-77N 74S 75S-81S	
			2 1 Adequate 1 2 Inadequate 3 3 Don't Know 8 8 Not Answered 9 9 Not Applicable	
0479	SCHM	73N-77N 74S-81S	How Inadequate Are Schools 73N-76N 77N 74S-77S 78S-80S 81S	
			2 Not A Bother or Not Enough To Move 1 Not A Bother 2 Bothers A Little 3 Bothers Very Much 1 4 Bothers, Want To Move 8 8 Not Answered 9 9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0480	SCHCLS	79N 81N 83N 82S-83S	Public School Within 1 Mile 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0481	RECR	77N 79N 81N 83N 77S-83S	Outdoor Recreation Facilities Adequate 1 Adequate 2 Inadequate 3 Don't Know 8 Not Answered 9 Not Applicable	
0482	RECRM	77N 79N 81N 83N 77S-83S	How Inadequate Are Outdoor Rec. Facilities 77N 79N,81N 83N 83N 78S-80S 77S 81S-83S	2 Not A Bother or Not Enough To Move 1 Not A Bother 2 Bothers A Little 3 Bothers Very Much 4 1 Bothers, Want To Move 8 8 Not Answered 9 9 Not Applicable
0483	HOSP	74N-77N 79N 81N 83N 75S-83S	Hospitals Or Health Clinics Adequate 1 Adequate 2 Inadequate 3 Don't Know 8 Not Answered 9 Not Applicable	
0484	HOSPM	74N-77N 79N 81N 83N 75S-83S	Hospitals So Inadequate That You Want To Move 74N-76N 77N 79N,81N 78S-80S 83N 75S-77S 81S-83S	2 Not A Bother or Not Enough To Move 1 Not A Bother 2 Bothers A Little 3 Bothers Very Much 1 4 Bothers, Want To Move 8 8 Not Answered 9 9 Not Applicable
0485	FIRE	74N-76N 74S-76S	Fire Protection Adequate 74N-76N 74S 75S-76S	2 1 Adequate 1 2 Inadequate 3 3 Don't Know 8 8 Not Answered 9 9 Not Applicable
0486	FIREM	74N-76N 74S-76S	Fire Protection So Inadequate That You Want To Move	1 Bothers, Want To Move 2 Not a Bother or Not Enough to Move 8 Not Answered 9 Not Applicable

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0487	NEWTRN	79N 81N 83N 82S-83S	Public Transportation Available 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0488	USETRN	79N 81N 83N 82S-83S	Household Member Use Public Transportation Once A Week 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0489	TRN	73N-77N 74S-81S	Public Transportation Adequate 73N 74N-77N 74S 75S-81S 2 1 Adequate 1 2 Inadequate 3 Don't Know 8 8 Not Answered 9 9 Not Applicable	
0490	TRAN	79N 81N 83N 82S-83S	Public Transportation for Area Satisfactory 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
0491	TRNM	73N-77N 74S-81S	Public Transp. So Inadequate That Want To Move 73N-76N 77N 74S-77S 78S-80S 81S 2 Not A Bother or Not Enough To Move 1 Not A Bother 2 Bothers A Little 3 Bothers Very Much 1 4 Bothers, Want To Move 8 8 Not Answered 9 9 Not Applicable	
0492	ZSTRM	74N-77N 74S-83S	Recoded Neighborhood Condition - Desire To Move 74N-77N 74S-75S 76S-80S 81S-83S 1 1 1 Move Due To 1 Condition 0 0 6 1 No Inadequate Condition 2 2 2 2 Move Due to 2-3 Conditions 3 3 3 2 Not A Bother 4 4 4 3 Move Due to 5+ Conditions 4 4 4 3 Bothers, Not Enough to Move Inadequate, But No Wish To Move 5 5 4 4 Bothers, Want To Move Wish To Move Not Reported 5 5 5 5 Bothers, Wish To Move Not Reported 6 Condition Exists, Bother- someness Not Answered 8 8 8 7 Not Answered 9 9 9 9 Not Applicable	
0493	ZMOVE	73N-74N 74S	Recoded Inadequate Services - Want To Move 73N 74N 74S 1 1 Inadequate Service, Want To Move 2 2 Inadequate Service, Don't Want To Move 3 3 Inadequate Service, Wish To Move Not Reported 4 4 Adequate Services 8 8 Not Reported Or Out Of Universe 9 9 Out of Universe	

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0494	ZSERVM	73N-74N 74S	Recoded Inadequate Services-Desire Move 2 Want To Move 3 Don't Want To Move 8 Not Reported 9 Not Applicable	
0495	ZSERVM2	74N-77N	Recoded Wish To Move Due To Inadequate Services 1 Wish To Move 2 Don't Wish To Move 3 Wish To Move Not Reported 4 No Inadequate Services 5 Don't Know (Not On 74N) 8 Not Answered 9 Not Applicable	
0496	EABAN	73N-81N 83N 74S-83S	Street Has Bldg(s) Aban, Boarded Up Or With Brokn Wndws (Enumerator Observation) 1 Yes 2 No 8 Not Answered 9 Not Applicable Note: In 79N-81N, 83N, and 82S-83S, Question Only Asks About Boarded Up Bldgs or Bldgs with Broken Windows.	C
0497	EABAN2	79N 81N 83N 82S-83S	Street Has Abandoned Buildng(s) (Enumerator Observation) 1 Yes, One 2 Yes, More Than One 3 No 8 Not Answered 9 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
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 N = National Survey
 S = SMSA Survey



Cost data include monthly mortgage and rent costs, taxes, utility and furnishing costs, costs of services such as parking and garbage collection, and costs of insurance. Data are also available on expenditures for additions or alterations to the property. Other expenditure data are documented in the Heating and Cooling, Mobile Home, and Condominium/Cooperative sections. Housing cost variables for previous residence are presented in the Previous Residence and Mobility section.

The Census Bureau distinguishes between several types of units in collecting the cost data. The intent is to exclude units where special factors affect the cost variables. The types of units where each question is asked are presented in the table on the next page.

It should be noted that because of the complexity of the skip patterns involved, not all variables could be checked systematically for each year. The discrepancies if any are small and relate mostly to units in cooperatives and mobile homes on more than 10 acres which account for a relatively small number of cases. The table is sufficiently accurate to assist users in the planning and conducting of their analyses.

Appendix A, Section 9.0 contains detailed information for a number of variables documented in this section.

VARIABLE NAME	OWNERS			RENTERS
	Single Family, Detached and Attached, on Less Than 10 Acres, No Doctors or Commercial Est.	Mobile Homes On Less Than 10 Acres	Other, e.g. Duplex, Multi-Family or Over 10 Acres	
VALUE, ZVI	Yes	No	No, Except Condos in 75N-83N & 76S-83S	No
MORT	Yes	Yes, Except in 75S, when under MLOAN	No, For Condos, see CMORT	No
MATBUY, HOWBUY	If Owned Free and Clear	If Owned Free and Clear	No	No
PMT-TAXPMT	If Property Mortgaged	If Property Mortgaged	No, For Condos, see CPMT- CTXPMT	No
BUYE-ZSMHCP	Yes	Yes	No, For Condos, see CBUYE- CANTI	No
ADD-ZALT	Yes	Yes, Except in 83N, 83S	No	No
FRSTHD-DWNPAY	Only Recent Movers	Only Recent Movers	Only Recent Movers	No
NEWMOR, AMMORT	Only Recent Movers With Mortgage	Only Recent Movers With Mortgage	Only Recent Movers With Mortgage	No
MORTINS 79N-81N	If Prop Mortgaged	If Prop Mortgaged	If Prop Mortgaged- Condo Only	No
83N	If Prop Mortgaged	If Prop Mortgaged	If Prop Mortgaged	No
INSTHF-INSQKE	Yes	Yes	Yes	No
REFINS-SECOND	Yes	Yes	Yes	Yes
FRSTOC 78N-81N, 83N 77N, 78S-83S	Only Recent Movers Yes	Only Recent Movers Yes	Only Recent Movers Yes	Yes Yes
INSRTH-INRHZ	No	No	No	Yes
ZRENT-ZPARK2	No	No	No	Yes, except single families on > 10 acres

Note: These variables are asked for occupied units only, with the exception of VALUE which is present for vacant units for sale and RENT which is asked for vacant units for rent.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0498	VALUE	73N-81N 83N 74S-83S	Property Value 73N-74N 75N-76N 77N 78N 79N-81N 83N <u>74S-75S 76S-77S 78S 79S 80S-83S</u>	A, C
			1 Under \$2,500	
			2 \$2,500-\$4,999	
			3 1 1 1 1 Under \$5,000	
			4 2 2 2 2 \$5,000-\$7,499	
			5 3 3 3 3 \$7,500-\$9,999	
			6 4 4 4 4 \$10,000-\$12,499	
			7 5 5 5 5 \$12,500-\$14,999	
			8 6 6 6 6 \$15,000-\$17,499	
			9 7 7 7 7 \$17,500-\$19,999	
			10 8 8 8 8 \$20,000-\$22,499	
			11 9 9 9 9 \$22,500-\$24,999	
			12 10 10 10 10 \$25,000-\$27,499	
			13 11 11 11 11 \$27,500-\$29,999	
			14 12 12 12 12 \$25,000-\$29,999	
			15 13 13 13 13 \$30,000-\$34,999	
			16 14 14 14 14 \$35,000-\$39,999	
			17 15 15 15 15 \$40,000-\$44,999	
			18 16 16 16 16 \$45,000-\$49,999	
			19 17 17 17 17 \$40,000-\$49,999	
			20 18 18 18 18 \$50,000-\$54,999	
			21 19 19 19 19 \$55,000-\$59,999	
			22 20 20 20 20 \$50,000-\$59,999	
			23 21 21 21 21 \$60,000 Or More	
			24 22 22 22 22 \$60,000-\$64,999	
			25 23 23 23 23 \$65,000-\$69,999	
			26 24 24 24 24 \$70,000-\$74,999	
			27 25 25 25 25 \$60,000-\$74,999	
			28 26 26 26 26 \$75,000 Or More	
			29 27 27 27 27 \$75,000-\$79,999	
			30 28 28 28 28 \$80,000-\$89,999	
			31 29 29 29 29 \$90,000-\$99,999	
			32 30 30 30 30 \$75,000-\$99,999	
			33 31 31 31 31 \$100,000-\$124,999	
			34 32 32 32 32 \$125,000-\$149,999	
			35 33 33 33 33 \$150,000 Or More	
			36 34 34 34 34 \$150,000-\$199,999	
			37 35 35 35 35 \$200,000-\$249,999	
			38 36 36 36 36 \$250,000-\$299,999	
			39 37 37 37 37 \$300,000 Or More	
			99 99 99 99 99 Not Applicable	
			Note: In 77S, however, two for sale coops have valid codes for VALUE.	
0499	ZVI	73N-81N 83N 74S-83S	Recoded Value-Income Ratio 73N-78N 79N-81N 74S-76S 83N <u>77S-83S</u>	C
			0 0 Not Computed	
			01-96 01-96 0.1-9.6	
			97 97 9.7 or more; Unreliable	
			98 Not Answered	
			99 99 Not Applicable; Unreliable	
0500	MORT	73N-81N 83N 74S-83S	Mortgage On Property 1 Mortgage 2 Free And Clear 9 Not Applicable	A, C

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0501	MATBUY	74N-77N 75S-81S	Mortgage Placed-Assumed At Acquisition 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0502	HOWBUY	74N-77N 75S-81S	How Property Was Acquired 1 Inherited Or Gift 2 Paid All Cash 3 Other Manner 8 Not Answered 9 Not Applicable	
0503	PMT	74N-81N 83N 75S-83S	Amount of Mortgage Payment 1-9996 \$1-\$9996 9997 \$9997 Or More 9998 Not Answered 9999 Not Applicable	C
0504	FPMT	74N-81N 83N 75S-83S	Frequency of Mortgage Payment 1 Monthly 2 Yearly 3 Other 8 Not Answered 9 Not Applicable	C
0505	INSPMT	74N-81N	Fire+Hazard/Casualty Ins Incl In Mortgage Payment	C
0506	TAXPMT	83N 75S-83S	Real Estate Taxes Included In Mortgage Payment 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
0507	BUYE	74N-81N	Owner Pays for Electricity	C,A
0508	BUYG	83N	Owner Pays for Gas	C,A
0509	BUYO	75S-83S	Owner Pays For Oil, Coal, Kerosene, Wood, Etc.	C,A
0510	BUYW		Owner Pays Water/Sewerage Sep from Real Estate Taxes	C,A
0511	BUYT		Owner Pays Grbge/Trash Collect Sep from Real Estate Tax	C,A
0512	BUYX		Owner Pays Real Estate Taxes (Even If Incl In Mortgage)	C
0513	BUYI		Owner Pays Fire/Hazard Ins (Even If Incl In Mortgage) Standard Codes For All The Above Variables Are: 1 Yes 2 No 9 Not Applicable	C
0514	AMTE	74N-81N	Average Monthly Cost of Electricity (Owner)	A,C
0515	AMTG	83N	Average Monthly Cost of Gas (Owner)	A,C
0516	AMTT	75S-83S	Annual Cost Of Garbage Collection (Owner) 1-997 \$1-\$997 998 \$998 Or More 999 Not Applicable	A,C
0517	AMTO	74N-81N	Avg. Annual Cost of Oil, Coal, Kerosene, Etc. (Owner)	A,C
0518	AMTW	83N 75S-83S	Annual Cost of Water And Sewage (Owner) 1-9997 \$1-\$9997 9998 \$9998 Or More 9999 Not Applicable	A,C
0519	AMTX	73N-81N 83N 74S-83S	Real Estate Taxes For Year (In Dollars) 73N 74N-76N 77N-81N 83N 74S-77S 78S-83S 1-9996 1-9996 1-99996 9997 9997 99997 9998 9998 99998 9999 9999 99999 99999 99999	C
			Yearly Real Estate Amount \$9997 (\$99997) Or More Not Answered Not Applicable Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0520	AMTI	74N-81N 83N 75S-83S	Average Annual Cost For Fire-Hazard Insurance (Owner) 1-1996 \$1-\$1996 9997 \$9997 Or More 9998 Not Answered 9999 Not Applicable	C
0521	ZSMHC	74N-81N 83N 74N-79N 80N-81N 83N	Monthly Ownership Costs (Mortgage, Taxes, Utilities, etc.; Not Repairs) 0 1-99996 1-99996 99997 99997 99998 99998 99999 99999 Not Computed \$1-\$99,996 \$99997 Or More PMT, AMTX Or AMTI Were Not Answered Not Applicable Note: In 1977N, This Question Includes URE Units. Note: If Any of BUYE-BUYT Or AMTE-AMTT Were Not Answered, Data Were Allocated As Explained In The Appendix On "Missing Data And Allocation Variables", And ZSMHC Is Calculated As If The Data Were Real. It Is Not Coded "Not Answered" In These Cases.	C
0522	ZSMHCP	74N-81N 83N	Monthly Ownership Costs As Percent Of Income 0 Zero Or Not Computed 1-98 1%-98% 99 99% Or More or Not Applicable	C
0523	ADD	74N-77N	Additions to Property In Last 12 Months	
0524	MAJADD	80N	Additions To Property Cost \$100-\$500 Or More	
0525	ALT	83N	Alterations To Property In Last 12 Months	
0526	MAJALT	75S-81S	Alterations to Property Cost \$100-\$500 Or More	
0527	REP		Replacements On Property In Last 12 Months	
0528	MAJREP		Replacements on Property Cost \$100-\$500 Or More	
0529	FIX		Repairs to Property In Last 12 Months	
0530	MAJFIX		Repairs To Property Cost \$100-\$500 Or More 1 Yes 2 No 8 Not Answered 9 Not Applicable Note: Amount changed from \$100 to: \$200 in 77N and 77S, \$250 in 80N, \$300 in 78S, \$400 in 79S, \$500 in 80S and 81S.	
0531	IMM	74N-77N	Expect to Add, Repair, Fix, Alter in Next 12 Months	
0532	MAJIMM	75S-81S	Expect Changes To Cost \$100-\$500 Or More In Next 12 Mos 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable Note: Amount changed from \$100 to: \$200 in 77N and 77S, \$250 in 80N, \$300 in 78S, \$400 in 79S, \$500 in 80S and 81S.	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0533	ZALT	74N-77N	Alterations And Repairs Summary	
		<u>74N</u>	<u>75N-77N</u>	
		1	1	No Alterations \$100-500 Or More Or Repairs
		2	2	All Less Than \$100
		3	3	All More Than \$100
		4	4	1 Less Than \$100 and 1 More Than \$100
		4		Multiple Alterations
		8	8	Not Answered
		9	9	Not Applicable
				Note: Amount changed from \$100 to \$200 in 77N.
0534	FRSTHO	77N-81N 83N 78S-83S	Current Res. Is First Home Reference Person Ever Owned	
			77N-79N 80N-81N	
			83N	
		<u>78S-80S</u>	<u>81S-83S</u>	
		1	1	Yes
		2	2	No
		3		Reference Person Not Owner
		8	8	Not Answered
		9	9	Not Applicable
				Note: in 80N and possibly in other surveys, a few cases have inconsistencies between this variable and the variable XTENURE.
0535	TOTHOM	77N-81N 83N 78S-83S	Total Homes Reference Person Has Owned	
			1	Two Homes
			2	Three Or More Homes
			8	Not Answered
			9	Cases In Which FRSTHO NE 2
				Note: Excludes Vacation Homes, Rental, and Commercial Property.
0536	BUYR	78N-81N 83N 78S-83S	This Property Purchased In Last 12 Months	
			1	Yes
			2	No
			8	Not Answered
			9	Not Applicable
0537	LPRICE	78N-81N 83N 78S-83S	Purchase Price Of House And Lot/Condo Unit (Not Including Closing Costs)	
			1-999996	\$1-\$999,996
			999998	Not Answered
			999999	Not Applicable
0538	DWNPAY	78N-81N 83N 82S-83S	Major Source of Dnprmt.--Purchase/Constr. of Property	
			1	Sale Of Previous Home (If Sold 1 Year Or Less Preceding Acquisition of Present Home)
			2	Sales Of Other Real Property Or Other Investment (Including Stock)
			3	Savings (Cash, Bank Deposits, Share Accounts or Bonds)
			4	Borrowing Other Than A Mortgage On This Property
			5	Gift
			6	Land On Which Structure Was Built
			7	Other
			8	No Downpayment Required
			98	Not Answered
			99	Not Applicable
0539	NEWMOR	77N-81N 83N 77S-83S	New Or Assumed Mortgage	
			1	Originated Mortgage
			2	Assumed Mortgage
			8	Not Answered
			9	Not Applicable

REF# NAME DATES(S) DESCRIPTION NOTES

0540 AMMORT 77N-81N Amount of Mortgage When Property Originally Acquired
 83N 1-999996 \$1-\$999,996
 77S-83S 999997 \$999,997 Or More
 999998 Not Answered
 999999 Not Applicable

Note: In 78S, the question is applicable to some owner occupants who are not recent movers.

0541 MORTINS 73N-77N Mortgage Insurance
 79N-81N 73N 74N 75N 75S 76S 78S 77N
 83N 74S 76N 77S 79S 79N-81N
 74S-83S 83N
 80S-83S

	1	1	1	1	1	1	1	
		2	2	2	2	2	2	FHA
		3	3	3	3	3	3	VA
				4	4			FMHA
	2	5	5	5	5		4	Private Co. (Unreliable)
			6		6			None Of The Above
	8	8	8	8	8		8	Don't Know
						8		Not Answered
								None Of The Above Or Not Answered
	9	9	9	9	9	9	9	Not Applicable

Note: 74N-76N Questionnaires Have "Private Co." As A Possible Answer; These Were Changed To "5" In The Data Base, Because The Information Was Considered Unreliable. 79N Questionnaire Has "No Mortgage" As A Possible Answer; This Was Changed To "9" In The Data Tapes.

0542 INSTHF 76N-77N Theft Insurance (Owner)
 0543 INSFLD 77S-78S Flood Insurance (Owner)
 0544 INSQKE Earthquake Insurance (Owner)
 0545 REFINS Refused Insurance
 1 Yes
 2 No
 3 Don't Know
 8 Not Answered
 9 Not Applicable

0546 REFTYP 76N-77N Type of Insurance Refused
 77S-78S
 1 Fire Only
 2 Theft Only
 3 Hazard Only
 4 Fire And Theft
 5 Fire And Hazard
 6 Theft And Hazard
 7 Fire, Theft, And Hazard
 8 Not Answered
 9 Not Applicable

0547 SECOND 73N-77N Own Second Home
 74S-78S
 1 Yes
 2 No
 9 Not Applicable

A

0548 FRSTOC 77N-81N First Occupants of House/Apartment
 83N 1 Yes, First Occupants
 78S-83S 2 No, House Previously Owned
 8 Not Answered
 9 Not Applicable

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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0549	INSRTH	76N-77N	Theft Insurance (Renter)	
0550	INSRFR	77S-78S	Fire Insurance (Renter)	
0551	INSRHZ		Hazard Insurance (Renter)	
			1 Yes	
			2 No	
			3 Don't Know	
			8 Not Answered	
			9 Not Applicable	
0552	ZRENT	73N-81N	Recoded Gross Rent (Contract Rent Plus Utilities)	C
		83N	0 No Cash Rent	
		74S-83S	1-2729 \$1-\$2729	
			2730 \$2730 Or More	
			9999 Not Applicable	
0553	ZRI	73N-81N	Recoded Gross Rent As Percent Of Income	C
		83N	0 Not Computed	
		74S-83S	1-98 1%-98%	
			99 99% Or More Or Not Applicable	
0554	RENT	73N-81N	Monthly Contract Rent	A,C
		83N	0 No Cash Rent	
		74S-83S	1-1998 \$1-\$1998	
			1999 \$1999 Or More	
			9999 Not Applicable	
0555	FRENT	73N-81N	Frequency Of Rent Payment	C
		83N	1 More Than Once A Month	
		74S-83S	2 Less Than Once A Month	
			3 Once A Month	
			9 Not Applicable	
0556	PAYE	73N-81N	Electricity Paid by Renter	A,C
0557	PAYG	83N	Gas Paid by Renter	A,C
0558	PAYO	74S-83S	Oil, Coal, Kerosene, Wood, Etc. Paid by Renter	A,C
			For these variables standard codes are:	
			1 Paid For Separately	
			2 Included In Rent	
			3 Utility Or Service Not Used or Free	
			9 Not Applicable	
0559	PAYW	73N-81N	Water Paid by Renter	A,C
0560	PAYT	83N	Garbage Collection Paid by Renter	A,C
		74S-83S	For these variables standard codes are:	
			1 Paid For Separately	
			2 Included In Rent	
			9 Not Applicable	
0561	COSTE	73N-81N	Average Monthly Cost of Electricity (Renter)	A,C
0562	COSTG	83N	Average Monthly Cost Of Gas (Renter)	A,C
0563	COSTT	74S-83S	Average Annual Cost Of Garbage Collection (Renter)	A,C
			1-997 \$1-\$997	
			998 \$998 Or More	
			999 Not Applicable	
0564	COSTO	73N-81N	Average Annual Cost Of Oil, Coal, Etc. (Renter)	A,C
0565	COSTW	83N	Average Annual Cost Of Water (Renter)	A,C
		74S-83S	1-9997 \$1-\$9997	
			9998 \$9998 Or More	
			9999 Not Applicable	
0586	ZUTIL	73N-77N	Recoded Utilities Included in Rent	
		74S-83S	1 All Utilities In Rent	
			2 Garbage Collection In Rent, But Not All Other Services	
			3 Some Or No Utilities Included	
			9 Not Applicable	
0567	ZUTIL2	73N-81N	Recoded Utilities Included In Rent	C
		83N	1 Included In Rent	
		74S-83S	2 Not Included In Rent	
			9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0568	IFF	73N-81N 83N 74S-83S	Apartment Or House Rented Furnished 73N-77N 78N-81N 74S-83S 83N 1 1 Furnished 2 2 Unfurnished 8 8 Not Answered 9 9 Not Applicable	A, C
0569	PAYF	73N-77N	Cost Of Furniture Included In Rent	A
0570	OTHF	74S-81S	Furniture Rented From Other Than Landlord 1 Yes 2 No 9 Not Applicable Note: Incorrectly coded in some Census documentation.	A
0571	IFP	73N-77N	Parking Facilities Available With Building (Renter)	
0572	INCP	74S-81S	Cost Of Parking Space Included In Rent	
0573	FARP		Parking Space Away From Building (Renter) 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0574	PAYP	73N-77N 74S-81S	Household Rents A Building Parking Space (Renter) 1 Yes 2 No or available at no extra charge 9 Not Applicable Note: Reversal in sense of question. INCP asks if parking space is included in rent, while PAYP asks if the household rents a parking space associated with building.	
0575	COSTF	73N-77N	Average Monthly Rent On Furniture (Renter)	A
0576	COSTP	74S-81S	Monthly Cost For Parking Space (Renter) 1-198 \$1-\$198 199 \$199 Or More 998 Not Answered 999 Not Applicable	
0577	ZPARK	73N-77N 74S-81S	Recoded Parking Facilities Present At Unit (Recent Movers Only) 74S 73N-77N 75S-81S 1 1 Parking Cost In Rent 2 2 Parking Paid Separately 3 3 Parking Payment Method Not Reported 4 4 Space Not Rented 5 5 Parking Space Rent Not Reported 6 6 Space Rented Elsewhere 7 7 Space Not Rented Elsewhere 8 8 Whether Space Rented Elsewhere Not Reported 9 9 Parking Availability Not Reported 10 10 No Cash Rent 11 11 Different Reference Person In Previous and Present Unit 27 Undocumented Code 99 Not Applicable Note: In 1977N, one case with value 91 was found.	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0578	ZPARK2	73N-77N 74S-81S	Recoded Availability of Parking 73N-77N 78S-81S <u>74S-77S</u>	
			1 1 Parking Not Available	
			2 2 Parking Paid In Rent	
			3 3 Parking Paid Separately	
			4 4 Parking Available But Not Rented	
			8 8 Parking Availability Not Reported	
			9 9 Not Applicable	
0579	VOLTS	81N 83N	Status Of Company Supplying Electricity	
			1 Electricity Generated in House/Bldg	
			2 No Electricity Used	
			3 Don't Know Source	
			4 Privately Owned	
			5 Publicly Owned	
			6 Cooperatively Owned	
			8 Not Answered	
			9 Not Applicable	
			Note: Code 2 was not checked against the variable BUYE. Some discrepancies may be present.	

Data on income are available at various levels of detail: individual member income, relative/non-relative income, family income, and household income. Data are available for total income, as well as individual income and assets components such as wages, social security, pensions, welfare, alimony, estates and interest income.

Income questions are primarily asked about teenagers and adults, but the specific ages covered vary from survey to survey and question to question. (See Appendix A, Section 10.0). Total family income (ZINC) and total household income (ZINC2) are simply the totals of the individual income items; they are not strictly comparable from year to year, since the age covered varies from year to year. The error arising is slight, however, since children have little income, and since the problem of people under- or over-reporting their income is the main source of error.

For additional background information on key income-related concepts, and a summary table of ages included in each income variable and each year, refer to Appendix A, Section 13.0.

INCOME

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0580	ZINC	73N-81N	Inc Of Ref Person And Hshld Members Related To Ref Pers	C
		83N	-10000 Loss Of \$10,000 Or More	
		74S-83S	-1 To -9999 Loss of \$1 to \$9,999	
			0 No Income	
			1 To 49999 \$1 to \$49,999	
			50000 \$50,000 Or More	
			999999 URE, Vacant or Noninterview	
0581	ZINC2	77S-81S	Income Of All Hshld Members Incl. Non-Relatives	
			-10000 Loss Of \$10,000 Or More	
			-1 To -9999 Loss of \$1 to \$9,999	
			0 No Income	
			1 To 49999 \$1 to \$49,999	
			50000 \$50,000 Or More	
			999999 Not Applicable	
0582	LINE1	74N-81N	Line Number of First Family Adult	C
0583	LINE2	83N	Line Number of Second Family Adult	C
0584	LINE3	75S-83S	Line Number of Third Family Adult	C
0585	LINE4		Line Number of Fourth Family Adult	C
0586	LINE5		Line Number of Fifth Family Adult	C
0587	LINE6		Line Number of Sixth Family Adult	C
			For All Variables, Standard Codes Are:	
			1-91 Line Number	
			99 Not Applicable	
			For LINE6, Additional Codes Are:	
			92 2 Extra Family Adults	
			93 3 Extra Family Adults	
			94 4 Extra Family Adults	
			95 5 Extra Family Adults	
			96 6 Extra Family Adults	
			97 7 Extra Family Adults	
			Note: in 78N-81N, the variable LINE6 contains bad values which will be corrected at a later date.	
0588	NRLIN1	77N-81N	Line Number of First Nonrelative Adult	C
0589	NRLIN2	83N	Line Number of Second Nonrelative Adult	C
0590	NRLIN3	76S-83S	Line Number Of Third Nonrelative Adult	C
0591	NRLIN4		Line Number Of Fourth Nonrelative Adult	C
			For All variables, Standard Codes Are:	
			1-91 Line Number	
			99 No Nonrelatives; Vacant, URE, Or Noninterview	
0592	NONREL	78S-81S	Number Of Nonrelatives Reporting Income	
			0-4 Number Of Nonrelatives Reporting Income	
			9 Vacant, URE or Non-Interview	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0593	SAL1	74N-81N	Annual Salary, Wages, Tips, Commissions-Family Adult 1	A, C
0594	SAL2	83N	Annual Salary, Wages, Tips, Commissions-Family Adult 2	A, C
0595	SAL3	75S-83S	Annual Salary, Wages, Tips, Commissions-Family Adult 3	A, C
0596	SAL4		Annual Salary, Wages, Tips, Commissions-Family Adult 4	A, C
0597	SAL5		Annual Salary, Wages, Tips, Commissions-Family Adult 5	A, C
0598	SAL6		Annual Salary, Wages, Tips, Commissions-Family Adult 6	A, C
For All Variables, Standard Codes Are:				
		74N	75N-81N	
		75S-83S	83N	
		0	None, Or No Adults 2-6 Present	
		0	None	
		1-49999	1-49999 \$1-49,999	
		50000	50000 \$50,000 Or More	
		999999	Vacant, URE, Non-interview	
		999999	No Adults 2-6 Present, Or Vacant, URE, Non-Interview	
Note: If LINE6 is 92-97, SAL6 represents total earned income for all extra adults.				
Note: The following years have spurious values:				
		77N	- 1 case with ISTATUS=9 and spurious values in all family income variables, including some >\$50,000 (case deleted on Abt tapes).	
		74N	- spurious 999999 values for occupied units in all variables:	
			SAL1 - 22 such values	
			SAL2 - 1373 such values	
			SAL3 - 474 such values	
			SAL4 - 198 such values	
			SAL5 - 96 such values	
			SAL6 - 36 such values	
Note also that in a few cases in 78N-80N, 0 = No Adults Present. These cases should have been coded 999999.				
0599	VTOTAL	73N	Amt Of Family Income Other Than Wages, Busnss, Farm	A
			0-49999 \$0-\$49999	
			50000 \$50000 Or More	
			99999 Not Applicable	
0600	INCOME	73N	Family Income From Wages, Salary, Tips, Commis Etc.	A
		74S		
			0-49999 \$0-\$49999	
			50000 \$50000 Or More	
			99999 Not Applicable	
0601	PROFIT	73N	Family Income From Business, Prof Practice, Or Farm	A
		74S		
			-10000 Loss of \$10,000 Or More	
			-1 To -9999 Loss of \$1 To \$9999	
			0 To 49999 Earnings of \$0 to \$49,999	
			50000 Earnings of \$50,000 Or More	
			999999 Not Applicable	
0602	PBUS	74N-81N	Family Earnings From Business Or Professional Practice	A, C
0603	PFARM	83N	Amt Of Family Earnings From Farm Or Ranch	A, C
		75S-83S		
			-10000 Loss of \$10,000 Or More	
			-1 To -9999 Loss of \$1 To \$9,999	
			0 To 49999 Earnings of \$0 to \$49,999	
			50000 Earnings of \$50000 Or More	
			999999 Vacant, URE, Or Non-interview	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0604	YIWS	77N-81N 83N 76S-83S	Nonrelative Income From Wages, Salary, Tips, Commis Etc 0-49999 \$0-\$49999 50000 \$50000 Or More 999999 No Nonrelatives, Vacant, URE, Or Non-interview	A,C
0605 0606	YSLF YFRM	77N-81N 83N 76S-83S	Nonrelative Earnings-Business Or Professional Practice Nonrelative Earnings Farm Or Ranch -10000 Loss of \$10,000 Or More -1 To -9999 Loss of \$1 To \$9,999 0 To 49999 Earnings of \$0 to \$49,999 50000 Earnings of \$50,000 Or More 999999 No relatives, Vacant, URE, or Non-interview	A,C A,C
0607	QSS	73N-81N	Any Social Security or RR Retirement Income, Family	A,C
0608	QDIV	83N	Any Estates, Trusts, Or Dividends Income, Family	A,C
0609	QINT	74S-83S	Any Interest Income, Family	A,C
0610	QRENT		Any Net Rental Income, Family	A,C
0611	QWELF		Any Welfare Or Public Assistance Income*, Family	A,C
0612	QUNEMP		Any Unemployment Compensation Income, Family	A,C
0613	QWKCMP		Any Workmens Compensation Income, Family	A,C
0614	QGOVPN		Any Government Employee Pension Income, Family	A,C
0615	QVET		Any Veteran's Payments Income, Family	A,C
0616	QPRVPN		Any Private Pension & Annuity Income, Family	A,C
0617	QALIM		Any Alimony Or Child Support Income, Family	A,C
0618	QOUTPR		Any Reg Contributions From Persons Not In Hhold, Family	A,C
0619	QOTHER		Any Other Income, Family For All Variables, Standard Codes Are: 1 Yes 2 No 9 Vacant, URE, or Non-interview	A,C
*Note: Starting with 80N and 81S, respondents are asked specifically "...such as SSI."				
0620	QAFDC	83N	Any Hhld Members Receive Payments/Benefits from AFDC	
0621	QSSI		Any Hhld Members Receive Payments/Benefits from SSI	
0622	QFS		Any Hhld Members Receive Food Stamps	
0623	QGAPA		Any Hhld Members Receive General or Public Assistance For All Variables, Standard Codes Are: 1 Yes 2 No 8 Not Answered 9 Not Applicable	
Note: Asked only of Household with Income Less Than \$25,000.				
0624	VSS	74N-81N	Amt. Of Social Security Or RR Retirement Income, Family	A,C
0625	VWELF	83N 74S-83S	Amt. Of Welfare Or Public Assistance Income*, Family For All Variables, Standard Codes Are: 1-49999 \$1-\$49,999 50000 \$50,000 Or More 99999 No Income Of That Type; Vacant, URE Or Non-interview	A,C
*Note: Starting with 80N and 81S, respondents are asked specifically "...such as SSI."				
0626	VOTHER	74N-81N 83N 74S-83S	Amount of Other Income, Family 74N-81N 78S-83S 83N 74S-77S 00000 No Income 1-49999 1-49999 \$1-\$49,999 50000 50000 \$50,000 Or More 99999 No Income of That Type, Vacant, URE Or Non-Interview 99999 Vacant, URE, Or Non-Interview	C,A
Note: In 74S VOTHER includes private pensions, alimony and contributions by persons not in household. These are reported separately in other surveys.				

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0627	VDIR	74S	Amt of Family Income From Dividends, Interest, Rent	A
0628	VUW		Family Income From Unemp & Wkmen Comp, Govt pnsns, VA For Both Variables Codes Are: 0-49999 \$0-\$49999 50000 \$50000 Or More 99999 Not Applicable	A
0629	VDIV	74N-81N	Amt. Of Estates, Trusts, Or Dividends Income, Family	A,C
0630	VINT	83N	Amt. Of Interest Income, Family	A,C
0631	VRENT	75S-83S	Amt. Of Net Rental Income, Family	A,C
0632	VUNEMP		Amt. Of Unemployment Compensation Income, Family	A,C
0633	VWKCMP		Amt. Of Workmens Compensation Income, Family	A,C
0634	VGOVNP		Amt. Of Government Employee Pension Income, Family	A,C
0635	VVET		Amt. Of Veteran's Payments Income, Family	A,C
0636	VPRVNP		Amt. Of Private Pension & Annuity Income, Family	A,C
0637	VALIM		Amt. Of Alimony Or Child Support Income, Family	A,C
0638	VOUTPR		Amt. Of Reg Contributns From Persons Not In Hhold, Famil For All Variables, Standard Codes Are: 1-49999 \$1-49,999 50000 \$50,000 or More 99999 No Income of That Type, Vacant, URE, or Non-Interview	A,C
0639	ESS	77N	Any Social Security Or RR Retirement Income, non-rels	
0640	EDIV	76S-83S	Any Estates, Trusts, Or Dividends Income, non-rels	
0641	EINT		Any Interest Income, non-rels	
0642	ERENT		Any Net Rental Income, non-rels	
0643	EWELF		Any Welfare Or Public Assistance Income*, non-rels	
0644	EUNEMP		Any Unemployment Compensation Income, non-rels	
0645	EWKCMP		Any Workmens Compensation Income, non-rels	
0646	EGOVNP		Any Government Employee Pension Income, non-rels	
0647	EVET		Any Veteran's Payments Income, non-rels	
0648	EPRVNP		Any Private Pension & Annuity Income, non-rels	
0649	EALIM		Any Alimony Or Child Support Income, non-rels	
0650	EOUTPR		Any Reg Contributions From Pers. Not In Hhold, non-rels	
0651	EOTHER		Any Other Income, non-rels For All Variables, Standard Codes Are: 1 Yes 2 No 9 Vacant, URE, or Non-interview *Note: Starting with 81S, respondents are asked specifically "...such as SSI."	
0652	YSS	77N-81N	Amt. Of Soc Security Or RR Retirement Income, non-rels	A,C
0653	YDIV	83N	Amt. Of Estates, Trusts, Or Dividends Income, non-rels	A,C
0654	YINT	76S-83S	Amt. Of Interest Income, non-rels	A,C
0655	YRENT		Amt. Of Net Rental Income, non-rels	A,C
0656	YWELF		Amt. Of Welfare Or Public Assistance Income*, non-rels	A,C
0657	YUNEMP		Amt. Of Unemployment Compensation Income, non-rels	A,C
0658	YWKCMP		Amt. Of Workmens Compensation Income, non-rels	A,C
0659	YGOVNP		Amt. Of Government Employee Pension Income, non-rels	A,C
0660	YVET		Amt. Of Veteran's Payments Income, non-rels	A,C
0661	YPRVNP		Amt. Of Private Pension & Annuity Income, non-rels	A,C
0662	YALIM		Amt. Of Alimony Or Child Support Income, non-rels	A,C
0663	YOUTPR		Amt. Of Reg Contrib From Persons Not In Hhold, non-rels	A,C
0664	YOTHER		Amt. Of Other Income, non-rels For All Variables, Standard Codes Are: 77N,79N 78N,83N 76S-83S 80N-81N 0-49999 0-49999 \$0-49,999 50000 50000 \$50,000 Or More 999999 99999 No Non-rels, Vacant, URE, Non-Interview 999999 Not In Sample *Note: Starting With 80N and 81S, respondents are asked specifically "...such as SSI."	A,C

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0665	YSLF2	80N	Nonrel 2 Income from Business or Professional Practice	A
0666	YSLF3		Nonrel 3 Income from Business or Professional Practice	A
0667	YSLF4		Nonrel 4 Income from Business or Professional Practice	A
0668	YFRM2		Nonrel 2 Income from Farm or Ranch	A
0669	YFRM3		Nonrel 3 Income from Farm or Ranch	A
0670	YFRM4		Nonrel 4 Income from Farm or Ranch	A

For All Variables, Standard Codes Are:

- 10000 Loss of \$10,000 Or More
- 1 To -9999 Loss of \$1 To \$9,999
- 0 To 49999 Earnings of \$0 to \$49,999
- 50000 Earnings of \$50,000 Or More
- 999999 No Nonrelatives, Vacant, URE, Or Non-Interview

Note: Individual income amounts for non-relative 1 have not been released. Individual income amounts for non-relatives 2-4 will be released on a separate tape. It is estimated that only 300-400 cases per year have more than one adult non-relative. The individual income amounts for non-relative 1 may be derived by subtracting individual amounts for non-relatives 2-4 from the total, or by using the total when there is only one non-relative adult.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0671	YIWS2	80N	Nonrel 2 Income from Wages, Salary, Tips, Commis Etc.	A
0672	YIWS3		Nonrel 3 Income from Wages, Salary, Tips, Commis Etc.	A
0673	YIWS4		Nonrel 4 Income from Wages, Salary, Tips, Commis Etc.	A
0674	YSS2		Amt of Soc Sec or RR Retirement Inc Rec'd By Non-rel 2	A
0675	YSS3		Amt of Soc Sec or RR Retirement Inc Rec'd By Non-rel 3	A
0676	YSS4		Amt of Soc Sec or RR Retirement Inc Rec'd By Non-rel 4	A
0677	YDIV2		Amt of Estates/Trusts/Dividends Inc Rec'd By Non-rel 2	A
0678	YDIV3		Amt of Estates/Trusts/Dividends Inc Rec'd By Non-rel 3	A
0679	YDIV4		Amt of Estates/Trusts/Dividends Inc Rec'd By Non-rel 4	A
0680	YINT2		Amt of Interest Income Rec'd By Non-rel 2	A
0681	YINT3		Amt of Interest Income Rec'd By Non-rel 3	A
0682	YINT4		Amt of Interest Income Rec'd By Non-rel 4	A
0683	YRENT2		Amt of Net Rental Income Rec'd By Non-rel 2	A
0684	YRENT3		Amt of Net Rental Income Rec'd By Non-rel 3	A
0685	YRENT4		Amt of Net Rental Income Rec'd By Non-rel 4	A
0686	YWELF2		Amt of Welfare or Public Assist Inc Rec'd By Non-rel 2	A
0687	YWELF3		Amt of Welfare or Public Assist Inc Rec'd By Non-rel 3	A
0688	YWELF4		Amt of Welfare or Public Assist Inc Rec'd By Non-rel 4	A
0689	YUNEMP2		Amt of Unemployment Compensation Rec'd By Non-rel 2	A
0690	YUNEMP3		Amt of Unemployment Compensation Rec'd By Non-rel 3	A
0691	YUNEMP4		Amt of Unemployment Compensation Rec'd By Non-rel 4	A
0692	YWKCOMP2		Amt of Workmens Compensation Rec'd By Non-rel 2	A
0693	YWKCOMP3		Amt of Workmens Compensation Rec'd By Non-rel 3	A
0694	YWKCOMP4		Amt of Workmens Compensation Rec'd By Non-rel 4	A
0695	YGOVFN2		Amt of Government Employee Pension Rec'd By Non-rel 2	A
0696	YGOVFN3		Amt of Government Employee Pension Rec'd By Non-rel 3	A
0697	YGOVFN4		Amt of Government Employee Pension Rec'd By Non-rel 4	A
0698	YVET2		Amt of Veteran's Payments Rec'd By Non-rel 2	A
0699	YVET3		Amt of Veteran's Payments Rec'd By Non-rel 3	A
0700	YVET4		Amt of Veteran's Payments Rec'd By Non-rel 4	A
0701	YPRVPN2		Amt of Priv Pension & Annuity Income Rec'd By Non-rel 2	A
0702	YPRVPN3		Amt of Priv Pension & Annuity Income Rec'd By Non-rel 3	A
0703	YPRVPN4		Amt of Priv Pension & Annuity Income Rec'd By Non-rel 4	A
0704	YALIM2		Amt of Alimony/Child Support Rec'd By Non-rel 2	A
0705	YALIM3		Amt of Alimony/Child Support Rec'd By Non-rel 3	A
0706	YALIM4		Amt of Alimony/Child Support Rec'd By Non-rel 4	A
0707	YOUTPR2		Amt of Reg Contrib From Non-HH Per Rec'd By Non-rel 2	A
0708	YOUTPR3		Amt of Reg Contrib From Non-HH Per Rec'd By Non-rel 3	A
0709	YOUTPR4		Amt of Reg Contrib From Non-HH Per Rec'd By Non-rel 4	A
0710	YOTHER2		Amt of Other Income Rec'd By Non-rel 2	A
0711	YOTHER3		Amt of Other Income Rec'd By Non-rel 3	A
0712	YOTHER4		Amt of Other Income Rec'd By Non-rel 4	A

For All Variables, Standard Codes Are:
 0-49999 \$0-49,999

50000 \$50,000 Or More

99999 No Non-rels 2-4, Vacant, URE, Non-interview

Note: Individual income amounts for non-relative 1 have not been released. Individual income amounts for non-relatives 2-4 will be released on a separate tape. It is estimated that only 300-400 cases per year have more than one adult non-relative. The individual income amounts for non-relative 1 may be derived by subtracting individual amounts for non-relatives 2-4 from the total, or by using the total when there is only one non-relative adult.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)

C = Core variable (For National Surveys only)

N = National Survey

S = SMSA Survey

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0713	HTASST	83N	Hhld Rec. Assistance for Home Heat from Govt 10/82-9/83	
0714	CLASST		Hhld Rec. Assistance To Cool Home from Govt 10/82-9/83	
0715	EEASST		Hhld Rec. Assistance For Energy Emergency 10/82-9/83	
0716	ECASST		Hhld Rec. Services From Energy Saving Prog 10/82-9/83	
			For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
			Note: Asked Only of Households With Income Less Than \$25,000.	
0717	RMHTAS	83N	Rec Mover Hhld Recd Home Heat Asst from Govt 10/82-9/83	
0718	HTASCR		Home Heat Assistance For Current Residence	
0719	HTASPR		Home Heat Assistance For Previous Residence	
			For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
			Note: Asked Of Recent Movers Only In Households With Incomes Less Than \$25,000.	

Data on household composition are collected for all members of the household and describe both individual members and aggregate household demographics. Basic demographic data such as age, sex and race are available, as well as data on years of education. Some variables are available for the head or reference person only. (The concept of "head of household" was dropped in 1980, and replaced by the "reference person" who may be any of the people who own or rent the unit.) Summary household variables include total number of persons, number of people not related to the head or reference person, and number of persons 65 years or older. Additional information on household members is contained in the Disabilities section, and their incomes are contained in the Income section.

It should be noted that the variable ZCOMP presented at the end of this section and intended to provide a household classification, is not recommended as some users have found that it is unreliable. Alternative classification schemes and programming commands for a classification scheme frequently used by HUD are provided in Appendix C.

For a discussion of key concepts related to household composition as well as detailed information on a number of variables documented in this section, refer to Appendix A, Section 12.0.

HOUSEHOLD COMPOSITION

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0720	DLINE1	74N-81N 83N 75S-83S	Line Number of Respondent 74N 75N-81N 83N <u>75S-83S</u> 1-97 1-97 1-97 98 98 Not Answered 99 Vacant, URE, Or Non-Interview 99 Vacant Or Non-Interview (URE Coded Above)	C
0721	PLINE	74N-81N	Line Number-Reference Person	C
0722	PLINE2	83N	Line Number-Person 2	C
0723	PLINE3	75S-83S	Line Number-Person 3	C
0724	PLINE4		Line Number-Person 4	C
0725	PLINE5		Line Number-Person 5	C
0726	PLINE6		Line Number-Person 6	C
0727	PLINE7		Line Number-Person 7	C
0728	PLINE8		Line Number-Person 8	C
0729	PLINE9		Line Number-Person 9	C
0730	PLINE10		Line Number-Person 10	C
0731	PLINE11		Line Number-Person 11	C
0732	PLINE12		Line Number-Person 12	C
0733	PLINE13		Line Number-Person 13	C
0734	PLINE14		Line Number-Person 14	C
0735	PLINE15		Line Number-Person 15 For All Variables, Standard Codes Are: 74N 75N-81N 83N <u>75S-83S</u> 0 Not Present 1-97 1-97 1-97 99 Not Present, Vacant, URE, Or Non-Interview 99 Vacant Or Non-Interview (URE Coded Above)	C
0736	REFPER	79N	Line Number-Reference Person 0 Not Applicable 1-97 1 to 97 98 Not Answered 99 Not Applicable, Vacant, URE, Or Non-Interview	
0737	REL	74N-81N 83N 75S-83S	Relationship to Reference Person 74N 75N-81N 83N <u>75S-83S</u> 11 11 Head Of Household (Reference Person) 99 Vacant, URE Or Non-Interview 99 Vacant or Non-Interview (URE Coded Above)	C

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0738	REL2	74N-81N	Relationship To Reference Person of Person 2	C
0739	REL3	83N	Relationship To Reference Person of Person 3	C
0740	REL4	75S-83S	Relationship To Reference Person of Person 4	C
0741	REL5		Relationship To Reference Person of Person 5	C
0742	REL6		Relationship To Reference Person of Person 6	C
0743	REL7		Relationship To Reference Person of Person 7	C
0744	REL8		Relationship To Reference Person of Person 8	C
0745	REL9		Relationship To Reference Person of Person 9	C
0746	REL10		Relationship To Reference Person of Person 10	C
0747	REL11		Relationship To Reference Person of Person 11	C
0748	REL12		Relationship To Reference Person of Person 12	C
0749	REL13		Relationship To Reference Person of Person 13	C
0750	REL14		Relationship To Reference Person of Person 14	C
0751	REL15		Relationship To Reference Person of Person 15	C

For All Variables, Standard Codes Are:

74N 75N-81N

83N

75S-83S

0		Not Present
4	4	Other Relative
5	5	Non-Relative (Partner)
6	6	Other Non-Relative
12	12	Spouse Of Reference Person
13	13	Unmarried Child of Reference Person
21	21	Subfamily 1--Reference Person
22	22	Subfamily 1--Wife
23	23	Subfamily 1--Unmarried Child
31	31	Subfamily 2--Reference Person
32	32	Subfamily 2--Wife
33	33	Subfamily 2--Unmarried Child
41	41	Subfamily 3--Reference Person
42	42	Subfamily 3--Wife
43	43	Subfamily 3--Unmarried Child
51	51	Subfamily 4--Reference Person
52	52	Subfamily 4--Wife
53	53	Subfamily 4--Unmarried Child
99	99	Not Present, Vacant, URE, Non-Interview
99	99	Vacant Or Non-Interview (URE Coded Above)

Note: Code "12" Is Not Applicable For Persons 3-15

0752	AGE	73N	Age of Head/Reference Person	A
		74S-83S	73N 74S-77S 78S-83S	
			10-96 10-96 10-96 Years	
			97 97 97 Years or more	
			10-98 10-98 Years	
			99 Vacant (URE Coded Above), Non-Interview, Not Applicable	
			99 99 Years Or More, Vacant, URE, Or Non-Interview	
			99 Vacant, URE, Or Non-Interview	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0753	AGE2	74N-81N	Age Of Person 2	C
0754	AGE3	83N	Age Of Person 3	C
0755	AGE4	75S-83S	Age Of Person 4	C
0756	AGE5		Age Of Person 5	C
C757	AGE6		Age Of Person 6	C
0758	AGE7		Age Of Person 7	C
0759	AGE8		Age Of Person 8	C
0760	AGE9		Age Of Person 9	C
0761	AGE10		Age Of Person 10	C
0762	AGE11		Age Of Person 11	C
0763	AGE12		Age Of Person 12	C
0764	AGE13		Age Of Person 13	C
0765	AGE14		Age Of Person 14	C
0766	AGE15		Age Of Person 15	C

For All Variables, Standard Codes Are:

74N	75S-77S	75N-81N	DESCRIPTION
		83N	
		78S-83S	
	0	0	Less Than 1 Year
	0		Less Than 1 Year Or Not Present
1-96		1-96	1-96 Years
97		97	97 Years or more
	1-98		1-98 Years
		99	Not Present, Vacant, URE Or Non-Interview
		99	99 Years Or More, Not Present, Vacant, URE, Or Non-Interview
99			Vacant Or Non-Interview (URE Coded Above)

0767	ZAGE	74N-81N	74N	75N-76N	77N-81N	DESCRIPTION	NOTES
		83N			83N		
			1	1	1	14-19 Years	
			2	2	2	20-24 Years	
			3	3	3	25-29 Years	
			4	4	4	30-34 Years	
			5	5	5	35-39 Years	
			6	6	6	40-44 Years	
			7	7	7	45-49 Years	
			8	8	8	50-54 Years	
			9	9	9	55-59 Years	
			10	10	10	60-61 Years	
			11	11	11	62-64 Years	
			12	12		65-69 Years	
					12	65-67 Years	
					13	68-69 Years	
			13	13	14	70-74 Years	
			14	14	15	75-79 Years	
			15	15	16	80-84 Years	
			16	16	17	85-89 Years	
			17	17	18	90 Years Or Over	
				99	99	Vacant, URE Or Non-Interview	
			99			Vacant Or Non-Interview, URE Coded Above	

Note: Break in pattern for codes 10-12 or 13.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES																								
0768	MAR	74N-81N	Marital Status Of Head/Reference Person	C																								
0769	MAR2	83N	Marital Status Of Person 2	C																								
0770	MAR3	75S-83S	Marital Status Of Person 3	C																								
0771	MAR4		Marital Status Of Person 4	C																								
0772	MAR5		Marital Status Of Person 5	C																								
0773	MAR6		Marital Status Of Person 6	C																								
0774	MAR7		Marital Status Of Person 7	C																								
0775	MAR8		Marital Status Of Person 8	C																								
0776	MAR9		Marital Status Of Person 9	C																								
0777	MAR10		Marital Status Of Person 10	C																								
0778	MAR11		Marital Status Of Person 11	C																								
0779	MAR12		Marital Status Of Person 12	C																								
0780	MAR13		Marital Status Of Person 13	C																								
0781	MAR14		Marital Status Of Person 14	C																								
0782	MAR15		Marital Status Of Person 15	C																								
For All Variables, Standard Codes Are: 74N 75N-81N 83N 75S-83S <table border="0"> <tr> <td>0</td> <td></td> <td>Not Present</td> </tr> <tr> <td>1</td> <td>1</td> <td>Married</td> </tr> <tr> <td>2</td> <td>2</td> <td>Widowed</td> </tr> <tr> <td>3</td> <td>3</td> <td>Divorced</td> </tr> <tr> <td>4</td> <td>4</td> <td>Separated</td> </tr> <tr> <td>5</td> <td>5</td> <td>Never married</td> </tr> <tr> <td></td> <td>9</td> <td>Age 0-13, Not Present, Vacant, URE, Or Non-Interview</td> </tr> <tr> <td>9</td> <td></td> <td>Age 0-13, Vacant, Or Non-Interview (URE Coded Above)</td> </tr> </table>					0		Not Present	1	1	Married	2	2	Widowed	3	3	Divorced	4	4	Separated	5	5	Never married		9	Age 0-13, Not Present, Vacant, URE, Or Non-Interview	9		Age 0-13, Vacant, Or Non-Interview (URE Coded Above)
0		Not Present																										
1	1	Married																										
2	2	Widowed																										
3	3	Divorced																										
4	4	Separated																										
5	5	Never married																										
	9	Age 0-13, Not Present, Vacant, URE, Or Non-Interview																										
9		Age 0-13, Vacant, Or Non-Interview (URE Coded Above)																										
0783	RACE	73N-81N 83N 74S-83S	Race Of Head/Reference Person For All Variables, Standard Codes Are: 73N-74N 75N-81N 74S 83N 75S-83S <table border="0"> <tr> <td>1</td> <td>1</td> <td>White, Including Hispanic White</td> </tr> <tr> <td>2</td> <td>2</td> <td>Black, Including Hispanic Black</td> </tr> <tr> <td>3</td> <td>3</td> <td>Alaskan Native, American Indian, Asian, Or Pacific Islander</td> </tr> <tr> <td></td> <td>9</td> <td>Vacant, URE, Or Non-Interview</td> </tr> <tr> <td>9</td> <td></td> <td>Vacant Or Non-Interview (URE Coded Above)</td> </tr> </table>	1	1	White, Including Hispanic White	2	2	Black, Including Hispanic Black	3	3	Alaskan Native, American Indian, Asian, Or Pacific Islander		9	Vacant, URE, Or Non-Interview	9		Vacant Or Non-Interview (URE Coded Above)	C									
1	1	White, Including Hispanic White																										
2	2	Black, Including Hispanic Black																										
3	3	Alaskan Native, American Indian, Asian, Or Pacific Islander																										
	9	Vacant, URE, Or Non-Interview																										
9		Vacant Or Non-Interview (URE Coded Above)																										

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0784	RACE2	74N-81N	Race Of Person 2	C
0785	RACE3	83N	Race Of Person 3	C
0786	RACE4	75S-83S	Race Of Person 4	C
0787	RACE5		Race Of Person 5	C
0788	RACE6		Race Of Person 6	C
0789	RACE7		Race Of Person 7	C
0790	RACE8		Race Of Person 8	C
0791	RACE9		Race Of Person 9	C
0792	RACE10		Race Of Person 10	C
0793	RACE11		Race Of Person 11	C
0794	RACE12		Race Of Person 12	C
0795	RACE13		Race Of Person 13	C
0796	RACE14		Race Of Person 14	C
0797	RACE15		Race Of Person 15	C

For All Variables, Standard Codes Are:

74N 75N-81N
83N
75S-83S

0		Not Present
1	1	White, Including Hispanic White
2	2	Black, Including Hispanic Black
3	3	Alaskan Native, American Indian, Asian, Or Pacific Islander
9	9	Not Present, Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)

0798	SPAN	73N-81N 83N 74S-83S	Spanish Origin Of Head/Reference Person 73N-74N 75N-81N 83N 74S-83S	C																														
			<table border="0"> <tr> <td>1</td> <td>1</td> <td>Mexican-American</td> </tr> <tr> <td>2</td> <td>2</td> <td>Chicano</td> </tr> <tr> <td>3</td> <td>3</td> <td>Mexican</td> </tr> <tr> <td>4</td> <td>4</td> <td>Mexicano</td> </tr> <tr> <td>5</td> <td>5</td> <td>Puerto Rican</td> </tr> <tr> <td>6</td> <td>6</td> <td>Cuban</td> </tr> <tr> <td>7</td> <td>7</td> <td>Central or South American</td> </tr> <tr> <td>8</td> <td>8</td> <td>Other Spanish</td> </tr> <tr> <td>9</td> <td>9</td> <td>Not Hispanic (i.e., Anglo)</td> </tr> <tr> <td>99</td> <td>99</td> <td>Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)</td> </tr> </table>	1	1	Mexican-American	2	2	Chicano	3	3	Mexican	4	4	Mexicano	5	5	Puerto Rican	6	6	Cuban	7	7	Central or South American	8	8	Other Spanish	9	9	Not Hispanic (i.e., Anglo)	99	99	Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)	
1	1	Mexican-American																																
2	2	Chicano																																
3	3	Mexican																																
4	4	Mexicano																																
5	5	Puerto Rican																																
6	6	Cuban																																
7	7	Central or South American																																
8	8	Other Spanish																																
9	9	Not Hispanic (i.e., Anglo)																																
99	99	Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)																																

0799	SPANR	79N	Spanish Origin Of Reference Person																																		
			<table border="0"> <tr> <td>1</td> <td></td> <td>Mexican-American</td> </tr> <tr> <td>2</td> <td></td> <td>Chicano</td> </tr> <tr> <td>3</td> <td></td> <td>Mexican</td> </tr> <tr> <td>4</td> <td></td> <td>Mexicano</td> </tr> <tr> <td>5</td> <td></td> <td>Puerto Rican</td> </tr> <tr> <td>6</td> <td></td> <td>Cuban</td> </tr> <tr> <td>7</td> <td></td> <td>Central or South American</td> </tr> <tr> <td>8</td> <td></td> <td>Other Spanish</td> </tr> <tr> <td>9</td> <td></td> <td>Not Hispanic (i.e., Anglo)</td> </tr> <tr> <td>98</td> <td></td> <td>Not Answered</td> </tr> <tr> <td>99</td> <td></td> <td>Vacant, URE, Non-Interview, Or Reference Person is Head</td> </tr> </table>	1		Mexican-American	2		Chicano	3		Mexican	4		Mexicano	5		Puerto Rican	6		Cuban	7		Central or South American	8		Other Spanish	9		Not Hispanic (i.e., Anglo)	98		Not Answered	99		Vacant, URE, Non-Interview, Or Reference Person is Head	
1		Mexican-American																																			
2		Chicano																																			
3		Mexican																																			
4		Mexicano																																			
5		Puerto Rican																																			
6		Cuban																																			
7		Central or South American																																			
8		Other Spanish																																			
9		Not Hispanic (i.e., Anglo)																																			
98		Not Answered																																			
99		Vacant, URE, Non-Interview, Or Reference Person is Head																																			

0800	SEX	73N-81N 83N 74S-83S	Sex Of Head/Reference Person For All Variables, Standard Codes Are: 73N-74N 75N-81N 83N 74S-83S	C									
			<table border="0"> <tr> <td>1</td> <td>1</td> <td>Male</td> </tr> <tr> <td>2</td> <td>2</td> <td>Female</td> </tr> <tr> <td>9</td> <td>9</td> <td>Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)</td> </tr> </table>	1	1	Male	2	2	Female	9	9	Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)	
1	1	Male											
2	2	Female											
9	9	Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)											

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0801	SEX2	74N-81N	Sex Of Person 2	C
0802	SEX3	83N	Sex Of Person 3	C
0803	SEX4	75S-83S	Sex Of Person 4	C
0804	SEX5		Sex Of Person 5	C
0805	SEX6		Sex Of Person 6	C
0806	SEX7		Sex Of Person 7	C
0807	SEX8		Sex Of Person 8	C
0808	SEX9		Sex Of Person 9	C
0809	SEX10		Sex Of Person 10	C
0810	SEX11		Sex Of Person 11	C
0811	SEX12		Sex Of Person 12	C
0812	SEX13		Sex Of Person 13	C
0813	SEX14		Sex Of Person 14	C
0814	SEX15		Sex Of Person 15	C

For All Variables, Standard Codes Are:

74N 75N-81N
83N
75S-83S

0		Not Present
1	1	Male
2	2	Female
9	9	Not Present, Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)

0815	GRADE1	74N-81N 83N 75S-83S	Highest School Grade Attended By Head/Reference Person	C,A
------	--------	---------------------------	--	-----

74N 75N-81N
83N
75S-83S

0	0	No School
1	1	Kindergarten
2	2	Grade 1
3	3	Grade 2
4	4	Grade 3
5	5	Grade 4
6	6	Grade 5
7	7	Grade 6
8	8	Grade 7
9	9	Grade 8
10	10	Grade 9
11	11	Grade 10
12	12	Grade 11
13	13	Grade 12 - High School Grad
14	14	1 Year College
15	15	2 Years College
16	16	3 Years College
17	17	4 Years College
18	18	5 Years College
19	19	6 Years College Or More
99	99	Vacant, URE, Or Non-Interview Vacant Or Non-Interview (URE Coded Above)

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
C = Core variable (For National Surveys only)
N = National Survey
S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0822	PER65	73N-81N 83N 74S	Number of Persons in Household Age 65 Or Over 74N 73N 75N-81N 83N 74S 0-98 0-98 99	C 0-98, Vacant 0-98 URE, Non-Interview (Vacant coded above) 99 URE, Vacant, Non-Interview
0823	C6	73N-77N 74S	No. of Children of Ref Person 0-6 Years Old, In Hhold 0 None 1-96 1-96 97 97 Or More 99 Not Applicable	
0824	C617	73N-77N 74S	No. of Unmarried Children 6-17 of Ref Person, in Hhold 0 None 1-96 1-96 97 97 Or More 99 Not Applicable	
0825	C18	73N-74N 74S	No. of Unmarried Children 18 Or Over of Ref Per, in Hho 0 None 1-96 1-96 97 97 Or More 99 Not Applicable	
0826	ZCHILD	73N-81N 83N 74S	Children Under 18 Of Head/Reference Person, in Hhold 0 None 1 1 Under 6 Only 2 2 Under 6 Only 3 3 Or More Under 6 4 1 6-17 Only 5 2 6-17 Only 6 3 Or More 6-17 7 2, Both Age Groups 8 3 (Or More), Both Age Groups 99 Not Applicable	C
0827	HHCOMP	73N-77N 74S	Presence of Spouse 1 Reference Person Without Spouse 2 Married Couple 9 Not Applicable	
0828	RELS	73N-81N 83N 74S	Household Composition 0 No Relatives or Nonrelatives 1 Other Relatives Present 2 Nonrelatives Present 3 Relatives and Nonrelatives 9 Not Applicable	C
0829	S30	73N-77N 74S	Number of Subfamily Heads Under 30 73N 74N-77N 74S 0-2 0-2 99 9	None To 2 Not Applicable
0830	S3064	73N-77N 74S	Number of Subfamily Heads 30 To 64 73N 74N-77N 74S 0-2 0-2 99 9	None To 2 Not Applicable

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF# NAME DATES(S) DESCRIPTION NOTES

0831 S65 73N-77N Number of Subfamily Heads 65 or Over
 74S 73N 74N-77N
 74S
 0-1 0-1 None Or 1
 99 9 Not Applicable

0832 ZCOMP 73N-81N Recoded HH Composition By Age, Sex of Reference Person C
 83N 73N-74N 75N-81N
 74S-83S 83N
 74S-75S 76S-83S

- 1 1 Male Head LT 25 Yrs, WP/NNR
- 2 2 Male Head 25-29 Yrs, WP/NNR
- 3 3 Male Head 30-34 Yrs, WP/NNR
- 4 4 Male Head 35-44 Yrs, WP/NNR
- 5 5 Male Head 45-64 Yrs, WP/NNR
- 6 6 Male Head 65+ Yrs, WP/NNR
- 7 7 Male Head LT 65 Yrs, WP/NR
- 8 8 Male Head LT 25 Yrs, WP/NR
- 9 9 Male Head 25-29 Yrs, WP/NR
- 10 10 Male Head 30-34 Yrs, WP/NR
- 11 11 Male Head 35-44 Yrs, WP/NR
- 12 12 Male Head 45-64 Yrs, WP/NR
- 8 12 Male Head GE 65 Yrs, WP/NR
- 9 13 Other Male Head LT 65
- 13 13 Other Male Head LT 25
- 14 14 Other Male Head 25-29
- 15 15 Other Male Head 30-34
- 16 16 Other Male Head 35-44
- 17 17 Other Male Head 45-64
- 10 18 Other Male Head GE 65
- 11 19 Female Head LT 65
- 19 19 Female Head LT 25
- 20 20 Female Head 25-29
- 21 21 Female Head 30-34
- 22 22 Female Head 35-44
- 23 23 Female Head 45-64
- 12 24 Female Head GE 65
- 13 25 Single Male LT 65
- 25 25 Single Male LT 25
- 26 26 Single Male 25-29
- 27 27 Single Male 30-34
- 28 28 Single Male 35-44
- 29 29 Single Male 45-64
- 14 30 Single Male GE 65
- 99 99 Not Applicable

Note: Use of this variable is not recommended, because some cases are miscoded in some years. Note also that WP=Wife Present, NR=Non Relatives Present, NNR=No Non-Relatives Present.

0833 KLINE1 83N Line Number of First Female Hhld Member 35 or Older
 0834 KLINE2 Line Number Of Second Female Hhld Member 35 or Older
 0835 KLINE3 Line Number Of Third Female Hhld Member 35 or Older
 0836 KLINE4 Line Number Of Fourth Female Hhld Member 35 or Older
 For all Variables, Standard Codes Are:
 1-97 1-97
 98 Not Answered
 99 Not Applicable

0837 KIDS1 83N First 35+ Female Raised Child(ren) To Adulthood
 0838 KIDS2 Second 35+ Female Raised Child(ren) To Adulthood
 0839 KIDS3 Third 35+ Female Raised Child(ren) To Adulthood
 0840 KIDS4 Fourth 35+ Female Raised Child(ren) To Adulthood
 For All Variables, Standard Codes Are:
 1 Yes
 2 No
 8 Not Answered
 9 Not Applicable

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0841	NMKID1	83N	No. of Child(ren) of First 35+ Female	
0842	NMKID2		No. of Child(ren) of Second 35+ Female	
0843	NMKID3		No. of Child(ren) of Third 35+ Female	
0844	NMKID4		No. of Child(ren) of Fourth 35+ Female	
			For All Variables, Standard Codes Are:	
			1-97 1-97	
			98 Not Answered	
			99 Not Applicable	
0845	KIDG01	83N	Any Child(ren) of First 35+ Female Left Home	
0846	KIDG02		Any Child(ren) of Second 35+ Female Left Home	
0847	KIDG03		Any Child(ren) of Third 35+ Female Left Home	
0848	KIDG04		Any Child(ren) of Fourth 35+ Female Left Home	
			For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
0849	WKDG01	83N	How Long Ago Did (Last) Child of 1st 35+ Female Leave	
0850	WKDG02		How Long Ago Did (Last) Child of 2nd 35+ Female Leave	
0851	WKDG03		How Long Ago Did (Last) Child of 3rd 35+ Female Leave	
0852	WKDG04		How Long Ago Did (Last) Child of 4th 35+ Female Leave	
			For All Variable, Standard Codes Are:	
			1 Within the Last Year	
			2 More Than 1 But Less Than 3 Years Ago	
			3 Three Years To Less Than 5 Years Ago	
			4 Five Years To Less Than 10 Years Ago	
			5 Ten Years Ago or More	
			8 Not Answered	
			9 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
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This section documents key variables used in sampling and interviewing in the survey. CONTROL contains the basic case identification number. WEIGHT is the adjusted weight assigned to each case in the sample and described in detail in Section 4.0 of Appendix B. Other variables include the sample status of the unit and structure and the cluster code assigned to the case. Other sampling-related data, such as type of interview, is documented in the General Unit Information Section.

For more information on sampling, refer to Appendix B.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0858	WEIGHT	73N-81N 83N 74S-83S	Weight Of Each Case In The Sample (Two Implied Decimal Places) Note: To prepare accurate tables or percentages from this data base, you must use WEIGHT, OLDWT, PWT, SWT, or WWT1-8. The most commonly used is WEIGHT. Note: Weight is zero on non-interviews, on units accidentally interviewed which are not supposed to be in the sample, and on certain types of vacant and URE units which are not considered part of the housing stock (e.g., vacant and URE mobile homes, vacant and URE units in transient hotels, vacant and URE tents, boats, caves). Weight changes each year to impute Type A non-interviews onto interviews and to match AHS estimates with data from other Census Bureau surveys. Beginning in 1981N, WEIGHT is adjusted based on the 1980 Census. Prior to that, it was adjusted based on the 1970 Census. See Appendix B for detailed information.	C
0859	OLDWT	81N 79S-82S	Weight of Each Case in the Sample, Based on 1970 Census Two Implied Decimal Places. (See Appendix B). In 1979S-82S, 999999 (six 9's) is always used in place of zero. In 1981N, 999999 is used on Abt tapes for cases dropped from the sample or not yet in the sample.	
0860	PWT	74N-81N 83N 74S-83S	Pure Weight: Inverse Of The Probability Of Selection Two Implied Decimal Places.	
0861	SWT	74S-83S	Inverse Of The Probability of Selection Adjusted By The Stratification Adjustment. Two Implied Decimal Places. See Appendix B for detailed information.	
0862	AWT	74N-81N 83N	Special Code Used In Variance Calculation. Four Implied Decimal Places. See Appendix B for detailed information.	C
0863	WWT1	75N	Weight for Individual Worker 1	
0864	WWT2	80N-81N	Weight for Individual Worker 2	
0865	WWT3	75S-77S	Weight for Individual Worker 3	
0866	WWT4	82S	Weight for Individual Worker 4	
0867	WWT5		Weight for Individual Worker 5	
0868	WWT6		Weight for Individual Worker 6	
0869	WWT7		Weight for Individual Worker 7	
0870	WWT8		Weight for Individual Worker 8 Note: Two Implied Decimal Places See Appendix B for detailed Information. In 1982S, 9999999 (seven nines) is sometimes used in place of zero.	
0871	RCLUS	74N-81N 83N	Used In Variance Calculations. See Appendix B for detailed information.	C
0872	NCLUS	74N-81N 83N	Used In Variance Calculations. See Appendix B for detailed information.	C
0873	CMS	74N-75N	Conversion-Merger Status Since Last Survey 1 Merged 2 Converted to More Units 3 No Change 9 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

SAMPLE STATUS INFORMATION (Continued)

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
0874	STRUCT	77N-81N 83N 79S-83S	Status of Structure 1 Structure Has No Habitable Units 2 One Or More Habitable Units 8 Not Reported 9 Not Applicable	C
0875	HISTRY	77N-81N 83N 77S-83S	Status of Unit 77N-81N 77S-83S 83N 0 In Sample in Last Enumeration Period, No Record Available 1 1 In Sample in Last Enumeration Period, Record Available 2 2 New Construction 3 3 Mobile Home Moved In 4 4 House Moved In 5 5 Unit Resulted From Conversion 6 6 Conversion of Nonresidential Unit 7 7 Other 8 8 Not Answered 9 9 Formerly a Type C Non-Interview	C
0876	CMSYR	80N-81N	Year Of Status Change 1 1979-1980 2 1976-1978 3 1974-1975 4 1973 Or Earlier 8 Not Answered 9 Not Applicable	
0877	PERSINT	81N 83N	Personal Or Telephone Interview 1 Personal Visit 2 Telephone 8 Not Answered 9 Not Applicable	
0878	WHYPER	81N 83N	Reason For Personal Interview <u>81N</u> <u>83N</u> 1 Unit Is In Panel 2, 3, 4, 5, 6, i.e., Selected For Personal Interview 1 Unit Is In Panel 2, 4, and 6 2 2 Some Reason Given 98 98 Interviewer Did Not Fill In Reason Or Unit At A Special Place 99 99 Telephone Interview Note: Detailed codes in questionnaires were all consolidated to code 2.	

This section documents data related to transportation issues, such as distance travelled to work, time required, means of transportation, carpooling, etc. A few selected questions are asked most years for the reference person. More detailed information for one to fifteen employed persons in the household is obtained periodically. In the 1975 National Sample and 1975-1977 SMSA Samples, the upper limit of workers per household surveyed was fifteen, but the actual number almost always was less than eight. In the 1980 and 1981 National Samples, up to eight workers per household were surveyed.

In 1982 SMSA, the Census tape contains variables for nine workers. These variables are filled with 9's, as no household reported a ninth worker. These variables are not present in AHSDP tapes, or in this Codebook.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0879	WORKRS	75N 80N-81N 75S-77S 82S	Number of Workers in Household 00 Zero Workers 1-15 1 To 15 Workers 99 Dropped From Sample Or Not Yet In Sample	
0880	IFJ	74N-79N 75S-81S	Reference Person/Head Employed Last Week 1 Yes 2 No 8 Not Answered 9 Not Applicable	
0881	ALIN1	82S	Line Number Of First Adult 16+	
0882	ALIN2		Line Number Of Adult 2 16+	
0883	ALIN3		Line Number Of Adult 3 16+	
0884	ALIN4		Line Number Of Adult 4 16+	
0885	ALIN5		Line Number Of Adult 5 16+	
0886	ALIN6		Line Number Of Adult 6 16+	
0887	ALIN7		Line Number Of Adult 7 16+	
0888	ALIN8		Line Number Of Adult 8 16+	
0889	ALIN9		Line Number Of Adult 9 16+	
0890	ALIN10		Line Number Of Adult 10 16+	
0891	ALIN11		Line Number Of Adult 11 16+	
0892	ALIN12		Line Number Of Adult 12 16+	
			For All Variables, Standard Codes Are:	
			1-97 Household Member's Line Number	
			99 Not Present, Vacant, URE, Or Non-Interview	
0893	IFJ1	82S	Adult 1 Employed Last Week	
0894	IFJ2		Adult 2 Employed Last Week	
0895	IFJ3		Adult 3 Employed Last Week	
0896	IFJ4		Adult 4 Employed Last Week	
0897	IFJ5		Adult 5 Employed Last Week	
0898	IFJ6		Adult 6 Employed Last Week	
0899	IFJ7		Adult 7 Employed Last Week	
0900	IFJ8		Adult 8 Employed Last Week	
0901	IFJ9		Adult 9 Employed Last Week	
0902	IFJ10		Adult 10 Employed Last Week	
0903	IFJ11		Adult 11 Employed Last Week	
0904	IFJ12		Adult 12 Employed Last Week	
			For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Present, URE, Vacant, or Non-Interview	
0905	WLINE1	75N	Line Number Of Journey To Work-Worker 1	
0906	WLINE2	80N-81N	Line Number Of Journey To Work-Worker 2	
0907	WLINE3	75S-77S	Line Number Of Journey To Work-Worker 3	
0908	WLINE4	82S	Line Number Of Journey To Work-Worker 4	
0909	WLINE5		Line Number Of Journey To Work-Worker 5	
0910	WLINE6		Line Number Of Journey To Work-Worker 6	
0911	WLINE7		Line Number Of Journey To Work-Worker 7	
0912	WLINE8		Line Number Of Journey To Work-Worker 8	
			For All Variables, Standard Codes Are:	
			00 Zero Workers	
			1-97 Household Member's Line Number	
			99 Not Applicable	
0913	RLINE1	75N	Line Number of Respondent for Worker 1 (JTW Questions)	
0914	RLINE2	80N-81N	Line Number of Respondent for Worker 2 (JTW Questions)	
0915	RLINE3	75S-77S	Line Number of Respondent for Worker 3 (JTW Questions)	
0916	RLINE4	82S	Line Number of Respondent for Worker 4 (JTW Questions)	
0917	RLINE5		Line Number of Respondent for Worker 5 (JTW Questions)	
0918	RLINE6		Line Number of Respondent for Worker 6 (JTW Questions)	
0919	RLINE7		Line Number of Respondent for Worker 7 (JTW Questions)	
0920	RLINE8		Line Number of Respondent for Worker 8 (JTW Questions)	
			For All Variables, Standard Codes Are:	
			1-97 Respondent's Line Number	
			99 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0921	TRANSJ	74N-79N 75S-81S	Main Means of Transportation To Work, Reference Person 74N-75N 76N-79N 78S-81S <u>75S-76S 77S</u>	
			1 1 1 Drives Alone Truck	
			2 2 2 Shares Driving Car or Carpool	
			3 3 2 Drives Others	
			4 4 Rides With Someone Else	
			5 5 5 Walks Only	
			6 6 6 Works At Home	
			7 7 7 Railroad	
			8 8 8 Subway Or Elevated	
			9 9 9 Bus Or Streetcar	
			10 10 10 Taxicab	
			11 Bicycle or Motorcycle	
			11 Motorcycle	
			12 12 12 Other	
			13 13 13 Bicycle	
			98 98 98 Not Answered	
			99 99 99 Not Applicable	

0922	TRAN1	75N	Principal Means of Transportation To Work-Worker 1	A
0923	TRAN2	80N-81N	Principal Means of Transportation To Work-Worker 2	A
0924	TRAN3	75S-77S	Principal Means of Transportation To Work-Worker 3	A
0925	TRAN4	82S	Principal Means of Transportation To Work-Worker 4	A
0926	TRAN5		Principal Means of Transportation To Work-Worker 5	A
0927	TRAN6		Principal Means of Transportation To Work-Worker 6	A
0928	TRAN7		Principal Means of Transportation To Work-Worker 7	A
0929	TRAN8		Principal Means of Transportation To Work-Worker 8	A

For All Variables, Standard Codes Are:

75N	80N-81N	75S-77S	82S	
1	1			Drives Alone
2				Shares Driving
3				Drives Others
4				Rides With Someone Else
	2			Carpool
9	3			Bus Or Streetcar
8	4			Subway Or Elevated
7	5			Railroad
10	6			Taxicab
	7			Motorcycle Or Moped
11				Motorcycle
13	8			Bicycle
12	9			Other
5	10			Walks Only
6	11			Works At Home
99	99			Not Applicable

Note: In 75N, and 75S-77S, missing data were imputed, but the allocation variable was not released.

0930	VEHCL	78N-79N 78S-81S	Car or Truck Driven To Work, Reference Person <u>78N-79N 78S-81S</u>	
			1 Truck	
			1 1 Drives Alone	
			2 2 Car or Carpool	
			2 2 Shares Driving	
			3 3 Drives Others	
			4 4 Rides With Someone Else	
			8 8 8 Not Answered	
			9 9 9 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0931	VEHCL1	75N	Car Or Truck Driven To Work-Worker 1	A
0932	VEHCL2	80N-81N	Car Or Truck Driven To Work-Worker 2	A
0933	VEHCL3	75S-77S	Car Or Truck Driven To Work-Worker 3	A
0934	VEHCL4	82S	Car Or Truck Driven To Work-Worker 4	A
0935	VEHCL5		Car Or Truck Driven To Work-Worker 5	A
0936	VEHCL6		Car Or Truck Driven To Work-Worker 6	A
0937	VEHCL7		Car Or Truck Driven To Work-Worker 7	A
0938	VEHCL8		Car Or Truck Driven To Work-Worker 8	A

For All Variables, Standard Codes Are:

75N 80N-81N
75S 76S-77S

82S

0 Does Not Drive
1 Car
2 Truck
3 Van
4 Car or Carpool
9 Not Applicable

Note: In 75N and 75S-77S, missing data were imputed, but the allocation variables were not released.

0939	CARTOJ	74N-75N 75S-77S	Car Used In Mainly Non-car Trip To Work, Ref Person 1 Yes 2 No 8 Not Answered 9 Not Applicable
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0940	CARTO1	75N	Car Used During Journey To Work-Worker 1
0941	CARTO2	80N-81N	Car Used During Journey To Work-Worker 2
0942	CARTO3	75S-77S	Car Used During Journey To Work-Worker 3
0943	CARTO4	82S	Car Used During Journey To Work-Worker 4
0944	CARTO5		Car Used During Journey To Work-Worker 5
0945	CARTO6		Car Used During Journey To Work-Worker 6
0946	CARTO7		Car Used During Journey To Work-Worker 7
0947	CARTO8		Car Used During Journey To Work-Worker 8

For All Variables, Standard Codes Are:

1 Yes
2 No
9 Not Applicable

Note: Excludes taxicabs in all years. In 80N-81N, the question asks specifically "Car Used In Addition To Public Transportation".

Note also that in 75N and 75S-77S, missing data may have been imputed but, if so, the allocation variable was not released.

0948	ALONE1	80N-81N	Main Reason For Driving Alone-Worker 1
0949	ALONE2	82S	Main Reason For Driving Alone-Worker 2
0950	ALONE3		Main Reason For Driving Alone-Worker 3
0951	ALONE4		Main Reason For Driving Alone-Worker 4
0952	ALONE5		Main Reason For Driving Alone-Worker 5
0953	ALONE6		Main Reason For Driving Alone-Worker 6
0954	ALONE7		Main Reason For Driving Alone-Worker 7
0955	ALONE8		Main Reason For Driving Alone-Worker 8

For All Variables, Standard Codes Are:

1 Irregular Or Unusual Work Hours
2 Irregular Work Location
3 Need Car For Work Or Errands
4 Don't Know Anyone To Ride With
5 Like Privacy
6 Out Of The Way To Pick Up Others
7 Riders Require Extra Waiting Or Are Not Dependable
8 Want Car For Emergencies Or Occasional Overtime
9 Don't Trust Others' Driving
10 Other Reason
98 Not Answered
99 Not Applicable

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0956	PASS1	75N	No. Of People Usually Riding In Carpool-Worker 1	A
0957	PASS2	80N-81N	No. Of People Usually Riding In Carpool-Worker 2	A
0958	PASS3	75S-77S	No. Of People Usually Riding In Carpool-Worker 3	A
0959	PASS4	82S	No. Of People Usually Riding In Carpool-Worker 4	A
0960	PASS5		No. Of People Usually Riding In Carpool-Worker 5	A
0961	PASS6		No. Of People Usually Riding In Carpool-Worker 6	A
0962	PASS7		No. Of People Usually Riding In Carpool-Worker 7	A
0963	PASS8		No. Of People Usually Riding In Carpool-Worker 8	A
For All Variables, Standard Codes Are:				
75N 80N-81N				
75S-77S 82S				
01-09 01-97 Number of Persons in Carpool				
10 10 or More Persons in Carpool				
99 99 Not Applicable				
Note: Includes Worker. Also, in 75N and 75S-77S, missing data may have been imputed, but, if so, the allocation variable was not released.				
0964	PASSH1	80N-81N	Number of Household Members In Carpool-Worker 1	
0965	PASSH2	82S	Number of Household Members In Carpool-Worker 2	
0966	PASSH3		Number of Household Members In Carpool-Worker 3	
0967	PASSH4		Number of Household Members In Carpool-Worker 4	
0968	PASSH5		Number of Household Members In Carpool-Worker 5	
0969	PASSH6		Number of Household Members In Carpool-Worker 6	
0970	PASSH7		Number of Household Members In Carpool-Worker 7	
0971	PASSH8		Number of Household Members In Carpool-Worker 8	
For All Variables, Standard Codes Are:				
01-97 Number of Hhold Members in Carpool				
98 Not Answered				
99 Not Applicable				
Note: Includes Worker				
0972	PUBTR1	80N-81N	Public Trans Used In Addition To Car-Worker 1	
0973	PUBTR2	82S	Public Trans Used In Addition To Car-Worker 2	
0974	PUBTR3		Public Trans Used In Addition To Car-Worker 3	
0975	PUBTR4		Public Trans Used In Addition To Car-Worker 4	
0976	PUBTR5		Public Trans Used In Addition To Car-Worker 5	
0977	PUBTR6		Public Trans Used In Addition To Car-Worker 6	
0978	PUBTR7		Public Trans Used In Addition To Car-Worker 7	
0979	PUBTR8		Public Trans Used In Addition To Car-Worker 8	
For All Variables, Standard Codes Are:				
1 Yes				
2 No				
8 Not Answered				
9 Not Applicable				
0980	PLPUB1	80N-81N	Type Pub Trans as Secndry Trans to Work-Worker 1	
0981	PLPUB2	82S	Type Pub Trans as Secndry Trans to Work-Worker 2	
0982	PLPUB3		Type Pub Trans as Secndry Trans to Work-Worker 3	
0983	PLPUB4		Type Pub Trans as Secndry Trans to Work-Worker 4	
0984	PLPUB5		Type Pub Trans as Secndry Trans to Work-Worker 5	
0985	PLPUB6		Type Pub Trans as Secndry Trans to Work-Worker 6	
0986	PLPUB7		Type Pub Trans as Secndry Trans to Work-Worker 7	
0987	PLPUB8		Type Pub Trans as Secndry Trans to Work-Worker 8	
For All Variables, Standard Codes Are:				
1 Bus Or Streetcar				
2 Subway Or Elevated				
3 Railroad				
4 Taxi				
5 Other				
8 Not Answered				
9 Not Applicable				

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
0988	NO PUB 1	80N-81N	Main Reason For Not Taking Pub Trans To Work-Worker 1	
0989	NO PUB 2	82S	Main Reason For Not Taking Pub Trans To Work-Worker 2	
0990	NO PUB 3		Main Reason For Not Taking Pub Trans To Work-Worker 3	
0991	NO PUB 4		Main Reason For Not Taking Pub Trans To Work-Worker 4	
0992	NO PUB 5		Main Reason For Not Taking Pub Trans To Work-Worker 5	
0993	NO PUB 6		Main Reason For Not Taking Pub Trans To Work-Worker 6	
0994	NO PUB 7		Main Reason For Not Taking Pub Trans To Work-Worker 7	
0995	NO PUB 8		Main Reason For Not Taking Pub Trans To Work-Worker 8	
For All Variables, Standard Codes Are:				
1 Rather Use Car, Truck Or Van				
2 Available Transit Does Not Go To Work				
3 Takes Too Long				
4 Schedule Not Convenient				
5 Public Transportation Not Available				
6 Stop Too Far From Residence				
7 Too Expensive				
8 Need Car, Truck Or Van For Work				
9 Physical And/Or Mental Impairment				
10 Other Reason				
98 Not Answered				
99 Not Applicable				
0996	WMEAN 1	80N-81N	Main Reason For Taking Public Trans To Work-Worker 1	
0997	WMEAN 2	82S	Main Reason For Taking Public Trans To Work-Worker 2	
0998	WMEAN 3		Main Reason For Taking Public Trans To Work-Worker 3	
0999	WMEAN 4		Main Reason For Taking Public Trans To Work-Worker 4	
1000	WMEAN 5		Main Reason For Taking Public Trans To Work-Worker 5	
1001	WMEAN 6		Main Reason For Taking Public Trans To Work-Worker 6	
1002	WMEAN 7		Main Reason For Taking Public Trans To Work-Worker 7	
1003	WMEAN 8		Main Reason For Taking Public Trans To Work-Worker 8	
For All Variables, Standard Codes Are:				
1 No Driver's License				
2 No Car, Truck Or Van Available				
3 Cheaper Than Car, Truck Or Van				
4 No Parking Costs Or Problems				
5 No Driving Strain				
6 Faster Than Car, Truck Or Van				
7 Other Reason				
8 Not Answered				
9 Not Applicable				
1004	SMEWK 1	75N	Usually Work At Same Location Each Day-Worker 1	
1005	SMEWK 2	75S-77S	Usually Work At Same Location Each Day-Worker 2	
1006	SMEWK 3		Usually Work At Same Location Each Day-Worker 3	
1007	SMEWK 4		Usually Work At Same Location Each Day-Worker 4	
1008	SMEWK 5		Usually Work At Same Location Each Day-Worker 5	
1009	SMEWK 6		Usually Work At Same Location Each Day-Worker 6	
1010	SMEWK 7		Usually Work At Same Location Each Day-Worker 7	
1011	SMEWK 8		Usually Work At Same Location Each Day-Worker 8	
For All Variables, Standard Codes Are:				
1 Yes				
2 No				
9 Not Applicable				
Note: missing data may have been imputed, but, if so, the allocation variable was not released.				
1012	HEDJOB	77N-79N 78S-81S	Reports Same Place Each Day To Start Work, Ref Per	
1 Yes				
2 No				
8 Not Answered				
9 Not Applicable				

REF #	NAME	DATES(S)	DESCRIPTION	NOTES
1013	HJOB1	75N	Report Same Place Each Day To Start Work-Worker 1	
1014	HJOB2	80N-81N	Report Same Place Each Day To Start Work-Worker 2	
1015	HJOB3	75S-77S	Report Same Place Each Day To Start Work-Worker 3	
1016	HJOB4	82S	Report Same Place Each Day To Start Work-Worker 4	
1017	HJOB5		Report Same Place Each Day To Start Work-Worker 5	
1018	HJOB6		Report Same Place Each Day To Start Work-Worker 6	
1019	HJOB7		Report Same Place Each Day To Start Work-Worker 7	
1020	HJOB8		Report Same Place Each Day To Start Work-Worker 8	

For All Variables, Standard Codes Are:

75N	80N-81N	75S-77S	82S	
3	1			Yes
4	2			No
	8			Not Answered
9	9			Not Applicable

Note: Not applicable if SMEWK1-SMEWK8 coded 1. Also, In 75S-77S, the questionnaires show codes as 3 and 4, while the Census documentation shows codes as 1 and 2 for these years. The actual data have not yet been checked. In addition, missing data may have been imputed, but, if so, the allocation variable has not released.

1021	WMETR1	75N	Recoded Place Of Work, City/Suburban Status-Worker 1
1022	WMETR2	80N-81N	Recoded Place Of Work, City/Suburban Status-Worker 2
1023	WMETR3	75S-77S	Recoded Place Of Work, City/Suburban Status-Worker 3
1024	WMETR4	82S	Recoded Place Of Work, City/Suburban Status-Worker 4
1025	WMETR5		Recoded Place Of Work, City/Suburban Status-Worker 5
1026	WMETR6		Recoded Place Of Work, City/Suburban Status-Worker 6
1027	WMETR7		Recoded Place Of Work, City/Suburban Status-Worker 7
1028	WMETR8		Recoded Place Of Work, City/Suburban Status-Worker 8

For All Variables, Standard Codes Are:

75N	75S-77S	80N-81N	82S	
1				Work in CBD of SMSA of residence
	1	1		Central City of Same SMSA As Residence
2				Work Outside CBD, in Central City of SMSA of Residence
	2			Second Central City, e.g. Oakland, CA
	3	2		Balance of Same SMSA as Residence
3				CBD Not Reported. Work In Central City of SMSA of Residence
		3		Center City of Another SMSA
4				Work Outside Central City of SMSA of Residence
		4		Balance of Another SMSA
5				Work in CDB of Another SMSA (including residents of non-metropolitan areas)
6				Work Outside CBD, In Central City of Another SMSA (incl. non-metro res.)
7				CBD Not Reported. Work In Central City of Another SMSA (incl. non-metro res)
8				Work Outside Central City of Another SMSA (incl. non-metro residents)
9		5		Work Outside of Any SMSA
10	6	6		No Fixed Place of Work
	7			Work Outside SMSA of Residence
11	8	8		Place of Work Not Reported
99	9	9		Not Applicable

Note: Persons working outside of any SMSA are coded 3-6, as applicable.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1029	WCNTY1	75N	Recoded Place Of Work, County-Worker 1	
1030	WCNTY2	80N-81N	Recoded Place Of Work, County-Worker 2	
1031	WCNTY3	75S-77S	Recoded Place Of Work, County-Worker 3	
1032	WCNTY4	82S	Recoded Place Of Work, County-Worker 4	
1033	WCNTY5		Recoded Place Of Work, County-Worker 5	
1034	WCNTY6		Recoded Place Of Work, County-Worker 6	
1035	WCNTY7		Recoded Place Of Work, County-Worker 7	
1036	WCNTY8		Recoded Place Of Work, County-Worker 8	

For All Variables, Standard Codes Are:
75N 75S-77S 80N-81N

82S

001-995

County Codes (See Table 2 in Geography)

1		1	Work In County of Residence
2		2	Live in NYC, Work In Another Borough
3			Work Outside County of Residence, in Other County of Same State
4		3	Work in Other County or Abroad
4			Work in Other State or Abroad
5	996	4	No Fixed Place of Work
		5	County Suppressed to Protect Confidentiality
6	998	8	Place of Work Not Reported
9	999	9	Not Applicable

Note: "County" includes county-equivalents such as independent cities.

1037	WKTOWN	76N-79N 78S	Work in Incorporated City Or Town, Reference Person
			1 Yes
			2 No
			3 Don't Know
			8 Not Answered
			9 Not Applicable

1038	SAMTWN	76N-79N 77S-78S	Live In Same Town As Work
			1 Yes
			2 No
			8 Not Answered
			9 Not Applicable

1039	WKST1	75S-77S	State Of Place Of Work-Worker 1
1040	WKST2		State Of Place Of Work-Worker 2
1041	WKST3		State Of Place Of Work-Worker 3
1042	WKST4		State Of Place Of Work-Worker 4
1043	WKST5		State Of Place Of Work-Worker 5
1044	WKST6		State Of Place Of Work-Worker 6
1045	WKST7		State Of Place Of Work-Worker 7
1046	WKST8		State Of Place Of Work-Worker 8

For All Variables, Standard Codes Are:

1-56	See STIN5 In the Previous Residence and Mobility Section
96	No Fixed Place of Work
98	Place of Work Not Reported
99	Not Applicable

REF# NAME DATES(S) DESCRIPTION NOTES

1047 WKCBD1 75S-77S Place Of Work in Central Business District (CBD)-Wrkr 1
 1048 WKCBD2 Place Of Work in CBD-Worker 2
 1049 WKCBD3 Place Of Work in CBD-Worker 3
 1050 WKCBD4 Place of Work in CBD-Worker 4
 1051 WKCBD5 Place of Work in CBD-Worker 5
 1052 WKCBD6 Place Of Work in CBD-Worker 6
 1053 WKCBD7 Place Of Work in CBD-Worker 7
 1054 WKCBD8 Place Of Work in CBD-Worker 8

- 0 Works At Home
- 1 Workplace Tract in CBD
- 2 Workplace Tract not in CBD
- 6 No Fixed Place of Work
- 7 Outside SMSA of Residence
- 8 Place of Work Not Reported
- 9 Not Applicable

Note: For Definition of Central Business District, Please contact the Journey To Work Statistics Staff, Bureau of the Census, Washington, DC, or the AHSDP staff.

1055 WKSTZ1 75S-77S Place of Work in Special Tab Zone-Worker 1
 1056 WKSTZ2 Place of Work in Special Tab Zone-Worker 2
 1057 WKSTZ3 Place of Work in Special Tab Zone-Worker 3
 1058 WKSTZ4 Place of Work in Special Tab Zone-Worker 4
 1059 WKSTZ5 Place of Work in Special Tab Zone-Worker 5
 1060 WKSTZ6 Place of Work in Special Tab Zone-Worker 6
 1061 WKSTZ7 Place of Work in Special Tab Zone-Worker 7
 1062 WKSTZ8 Place of Work in Special Tab Zone-Worker 8

For All Variables, Standard Codes Are:

- 00 Works At Home
- 01 Special Zone A
- 02 Special Zone B
- 03 Special Zone C
- 04 Special Zone D
- 05 Special Zone R
- 06 Inside SMSA, Zone not identified
- 96 No Fixed Place of Work
- 97 Outside SMSA of Residence
- 98 Place of Work Not Reported
- 99 Not Applicable

Note: The Bureau of the Census has defined special tabulation zones for the purpose of reporting the results of the Department of Transportation Travel-To-Work Supplement. Questions may be referred to the Journey to Work Statistics Staff, Population Division, Bureau of the Census, Washington, DC, or to the AHSDP staff.

1063 WKPLC1 75S-77S Workplace Place Code (25,000 or more)-Worker 1
 1064 WKPLC2 Workplace Place Code (25,000 or more)-Worker 2
 1065 WKPLC3 Workplace Place Code (25,000 or more)-Worker 3
 1066 WKPLC4 Workplace Place Code (25,000 or more)-Worker 4
 1067 WKPLC5 Workplace Place Code (25,000 or more)-Worker 5
 1068 WKPLC6 Workplace Place Code (25,000 or more)-Worker 6
 1069 WKPLC7 Workplace Place Code (25,000 or more)-Worker 7
 1070 WKPLC8 Workplace Place Code (25,000 or more)-Worker 8

For All Variables, Standard Codes Are:

- 0000 Works At Home
- 0001-9995 Place Code (see Variable PLACE)
- 9996 No Fixed Place of Work
- 9997 Outside SMSA of Residence
- 9998 Place of Work Not Reported
- 9999 Not Applicable

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1071	WPLSZ1	75N	Workplace Place Size-Worker 1	
1072	WPLSZ2	75S-77S	Workplace Place Size-Worker 2	
1073	WPLSZ3		Workplace Place Size-Worker 3	
1074	WPLSZ4		Workplace Place Size-Worker 4	
1075	WPLSZ5		Workplace Place Size-Worker 5	
1076	WPLSZ6		Workplace Place Size-Worker 6	
1077	WPLSZ7		Workplace Place Size-Worker 7	
1078	WPLSZ8		Workplace Place Size-Worker 8	

For All Variables, Standard Codes Are:

75N 75S-77S

- 0 Works At Home
- 1 Less Than 2,500 or Not A Place
- 2 2,500 to 4,999
- 3 5,000 to 9,999
- 4 10,000 to 24,999
- 5 1 25,000-49,999
- 2 50,000-99,999
- 6 50,000 or Over
- 3 100,000-249,000
- 4 250,000-499,999
- 5 500,000 And Over
- 6 No Fixed Place of Work
- 7 Outside SMSA of Residence
- 8 Place of Work Not Reported
- 9 9 Not Applicable

1079	WTIME1	75N	Time Usually Leave For Work-Worker 1
1080	WTIME2	81N	Time Usually Leave For Work-Worker 2
1081	WTIME3	75S-77S	Time Usually Leave For Work-Worker 3
1082	WTIME4	82S	Time Usually Leave For Work-Worker 4
1083	WTIME5		Time Usually Leave For Work-Worker 5
1084	WTIME6		Time Usually Leave For Work-Worker 6
1085	WTIME7		Time Usually Leave For Work-Worker 7
1086	WTIME8		Time Usually Leave For Work-Worker 8

For All Variables, Standard Codes Are:

- 0100-1259 1:00 through 12:59
- 9998 Not Answered
- 9999 Not Applicable

Note: In 75N and 75S-77S, missing data may have been imputed but, if so, the allocation variable was not released.

1087	AMPM1	75N	Leave For Work AM Or PM-Worker 1
1088	AMPM2	81N	Leave For Work AM Or PM-Worker 2
1089	AMPM3	75S-77S	Leave For Work AM Or PM-Worker 3
1090	AMPM4	82S	Leave For Work AM Or PM-Worker 4
1091	AMPM5		Leave For Work AM Or PM-Worker 5
1092	AMPM6		Leave For Work AM Or PM-Worker 6
1093	AMPM7		Leave For Work AM Or PM-Worker 7
1094	AMPM8		Leave For Work AM Or PM-Worker 8

For All Variables, Standard Codes Are:

- 1 AM
- 2 PM
- 9 Not Applicable

Note: In 75N and 75S-77S, missing data may have been imputed but, if so, the allocation variable was not released.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1095	TIMEJ	74N-79N 75S-81S	Time Required For Journey To Work, Ref Per (One Way) 74N 75N-77N 78N-79N 78S-81S <u>75S-77S</u> 0 000 Works At Home 001-995 001-995 1-995 Minutes 1 1 Under 15 Minutes 2 2 15-29 Minutes 3 3 30-44 Minutes 4 4 45-59 Minutes 5 5 1 Hour-1 Hour, 29 Minutes 6 6 1-1/2 Hours Or More 996 Does Not Work 996 Works at Home 7 7 997 997 No Fixed Place of Work 8 8 998 998 Place of Work Not Reported 9 9 999 999 Not Applicable 999 999 999 999 Not Applicable Note: In 76N, 77N, and 77S, exact time was asked of respondents. The information has been recoded by the Bureau of the Census.	
1096	TIMEJ1	75N	Time Required For Journey To Work-Worker 1	A
1097	TIMEJ2	80N-81N	Time Required For Journey To Work-Worker 2	A
1098	TIMEJ3	75S-77S	Time Required For Journey To Work-Worker 3	A
1099	TIMEJ4	82S	Time Required For Journey To Work-Worker 4	A
1100	TIMEJ5		Time Required For Journey To Work-Worker 5	A
1101	TIMEJ6		Time Required For Journey To Work-Worker 6	A
1102	TIMEJ7		Time Required For Journey To Work-Worker 7	A
1103	TIMEJ8		Time Required For Journey To Work-Worker 8	A
			For All Variables, Standard Codes Are: 75N 75S-77S 80N-81N <u>82S</u> 001-198 001-198 0-198 Minutes 001-995 1-995 Minutes 199 199 199 Minutes or More 996 996 Works At Home 997 997 No Fixed Place of Work 999 999 999 Not Applicable Note: In 75N and in 75S-77S, missing data were imputed, but the allocation variable was not released. In 1981N, one 998 was found in TIMEJ2.	
1104	ZDIST1	75N	Recoded Speed of Journey To Work-Worker 1	
1105	ZDIST2	75S-77S	Recoded Speed of Journey To Work-Worker 2	
1106	ZDIST3		Recoded Speed of Journey To Work-Worker 3	
1107	ZDIST4		Recoded Speed of Journey To Work-Worker 4	
1108	ZDIST5		Recoded Speed of Journey To Work-Worker 5	
1109	ZDIST6		Recoded Speed of Journey To Work-Worker 6	
1110	ZDIST7		Recoded Speed of Journey To Work-Worker 7	
1111	ZDIST8		Recoded Speed of Journey To Work-Worker 8	
			For All Variables, Standard Codes Are: <u>75N</u> <u>75S-77S</u> 000 00 0 MPH (Distance LT 1 Mile) 001-996 01-96 1 - 96 MPH 997 97 97 MPH Or More 999 99 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF# NAME DATES(S) DESCRIPTION NOTES

1112 DISTJ 74N-79N One-Way Distance From Home To Work-Reference Person
 75S-81S 74N 75N-77N 78N-79N
 75S-77S 78S-81S
 0 Works At Home
 1 1 0 Under 1 Mile
 001-995 1-995 Miles
 2 2 1-4 Miles
 3 3 5-9 Miles
 4 4 10-19 Miles
 5 5 20-29 Miles
 6 6 30-39 Miles
 7 7 40-49 Miles
 8 8 Over 50 Miles
 996 Works At Home
 9 9 997 No Fixed Place Of Work
 98 98 998 Not Answered
 99 99 999 Not Applicable
 999 999 999 Not Applicable
 Note: In 76N, 77N, and 77S exact distance was asked of respondents. The information was then recoded by the Bureau of the Census.

1113 DISTJ1 75N One-Way Distance From Home To Work-Worker 1 A
 1114 DISTJ2 80N-81N One-Way Distance From Home To Work-Worker 2 A
 1115 DISTJ3 75S-77S One-Way Distance From Home To Work-Worker 3 A
 1116 DISTJ4 82S One-Way Distance From Home To Work-Worker 4 A
 1117 DISTJ5 One-Way Distance From Home To Work-Worker 5 A
 1118 DISTJ6 One-Way Distance From Home To Work-Worker 6 A
 1119 DISTJ7 One-Way Distance From Home To Work-Worker 7 A
 1120 DISTJ8 One-Way Distance From Home To Work-Worker 8 A

For All Variables, Standard Codes Are:

75N 75S-77S 80N-81N
 82S
 000 000 000 Under 1 mile
 001-200 001-200 1-200 Miles
 1-995 1-995 Miles
 201 201 201 Miles or More
 996 996 Works At Home
 997 997 No Fixed Place of Work
 999 999 Not Applicable

Note: In 75N and 75S-77S, missing data were imputed, but the allocation variable was not released. In 1981N, TIMEJ2 contains two values of 998.

1121 TRNCH1 75N Changed Principal Means of Trans In Last Year-Worker 1
 1122 TRNCH2 75S-77S Changed Principal Means of Trans In Last Year-Worker 2
 1123 TRNCH3 Changed Principal Means of Trans In Last Year-Worker 3
 1124 TRNCH4 Changed Principal Means of Trans In Last Year-Worker 4
 1125 TRNCH5 Changed Principal Means of Trans In Last Year-Worker 5
 1126 TRNCH6 Changed Principal Means of Trans In Last Year-Worker 6
 1127 TRNCH7 Changed Principal Means of Trans In Last Year-Worker 7
 1128 TRNCH8 Changed Principal Means of Trans In Last Year-Worker 8

For All Variables, Standard Codes Are:

1 Yes
 2 No
 9 Not Applicable

Note: In 75N and 75S-77S, data may have been imputed but, if so, the allocation variable has not been released.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1129	YTRNJ1	75N	Principal Means of Trans Prior to Change-Worker 1	
1130	YTRNJ2	75S-77S	Principal Means of Trans Prior to Change-Worker 2	
1131	YTRNJ3		Principal Means of Trans Prior to Change-Worker 3	
1132	YTRNJ4		Principal Means of Trans Prior to Change-Worker 4	
1133	YTRNJ5		Principal Means of Trans Prior to Change-Worker 5	
1134	YTRNJ6		Principal Means of Trans Prior to Change-Worker 6	
1135	YTRNJ7		Principal Means of Trans Prior to Change-Worker 7	
1136	YTRNJ8		Principal Means of Trans Prior to Change-Worker 8	

For All Variables, Standard Codes Are:

- 1 Drove Alone
- 2 Shared Driving
- 3 Drove Others
- 4 Rode With Someone Else
- 5 Walked Only
- 6 Worked At Home
- 7 Railroad
- 8 Subway Or Elevated
- 9 Bus Or Streetcar
- 10 Taxicab
- 11 Motorcycle
- 12 Other Means
- 13 Bicycle
- 98 Not Answered
- 99 Not Applicable

Note: Applicable Only If Code = "1-3" In YVHCL1-YVHCL8

1137	YVHCL1	75N	Prin Means Of Trans, Before Change, Veh Class-Worker 1
1138	YVHCL2	75S-77S	Prin Means Of Trans, Before Change, Veh Class-Worker 2
1139	YVHCL3		Prin Means Of Trans, Before Change, Veh Class-Worker 3
1140	YVHCL4		Prin Means Of Trans, Before Change, Veh Class-Worker 4
1141	YVHCL5		Prin Means Of Trans, Before Change, Veh Class-Worker 5
1142	YVHCL6		Prin Means Of Trans, Before Change, Veh Class-Worker 6
1143	YVHCL7		Prin Means Of Trans, Before Change, Veh Class-Worker 7
1144	YVHCL8		Prin Means Of Trans, Before Change, Veh Class-Worker 8

For All Variables, Standard Codes Are:

75N 76S-77S

75S

- 0 Did Not Drive
- 1 1 Truck
- 2 2 Car or Carpool
- 8 Not Answered
- 9 Not Applicable or Not Answered
- 9 Not Applicable

Note: In 75N and 75S, use the variables YTRNJ1-YTRNJ8 to distinguish between Not Answered and Not Applicable.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1145	HTRAN1	75N	Satisfaction With Present Prin Means Of Trans-Worker	1
1146	HTRAN2	75S-77S	Satisfaction With Present Prin Means Of Trans-Worker	2
1147	HTRAN3		Satisfaction With Present Prin Means Of Trans-Worker	3
1148	HTRAN4		Satisfaction With Present Prin Means Of Trans-Worker	4
1149	HTRAN5		Satisfaction With Present Prin Means Of Trans-Worker	5
1150	HTRAN6		Satisfaction With Present Prin Means Of Trans-Worker	6
1151	HTRAN7		Satisfaction With Present Prin Means Of Trans-Worker	7
1152	HTRAN8		Satisfaction With Present Prin Means Of Trans-Worker	8
			For All Variables, Standard Codes Are:	
			1 Much More Satisfied	
			2 More Satisfied	
			3 About The Same Satisfaction	
			4 Less Satisfied	
			5 Much Less Satisfied	
			6 Don't Know	
			7 Did Not Work Last Year	
			8 Not Answered	
			9 Not Applicable	
			Note: If code = 1 in TRNCH1-TRNCH8, the question is asked in reference to previous principal means of transportation. Otherwise the question is asked in reference to last year satisfaction with present principal means of transportation.	
1153	WDIST	75N-77N 76S-78S	Object To Work Distance	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable - i.e., Not 5 Or More Miles From Work Or Object To Distance	
1154	WNEIGH	75N-77N	Work-Home More Than 5 Miles-Like Present Neighbors	
1155	WHOUSE	76S-78S	Work-Home More Than 5 Miles-Like Present House	
1156	WSCH		Work-Home More Than 5 Miles-Close To Schools	
1157	WSHP		Work-Home More Than 5 Miles-Convenient to Shopping	
1158	WFAMJB		Work-Home More Than 5 Miles-Close To Oth HH Members Job	
1159	WAFORD		Work-Home More Than 5 Miles-Can Afford Present Home	
1160	WCOMF		Work-Home More Than 5 Miles-Used to Present Home	
1161	WOTHER		Work-Home More Than 5 Miles-Other Positive Reason	
			For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable - i.e., Not 5 Or More Miles From Work Or Object To Distance	
			Note: Asked of people who don't mind living 5+ miles from work.	
1162	DCLHSE	75N-77N	Work-Home More Than 5 Miles-Dislike Closer Homes	
1163	DCLPEO	76S-78S	Work-Home More Than 5 Miles-Dislike Closer People	
1164	DCLSCH		Work-Home More Than 5 Miles-Poor Schools Closer	
1165	DCLSHP		Work-Home More Than 5 Miles-Inconvenient Shopng Closer	
1166	DCLFMJ		Work-Home More Than 5 Miles-Other HH Members' Jobs	
1167	DCLAFF		Work-Home More Than 5 Miles-Can't Afford Closer Home	
1168	DCLAVL		Work-Home More Than 5 Miles-No Closer Homes Available	
1169	DCLCHG		Work-Home More Than 5 Miles-Don't Like Change	
1170	DCLTMP		Work-Home More Than 5 Miles-Head's Job Temporary	
1171	DCLOTH		Work-Home More Than 5 Miles-Other Negative Reason	
			For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable - i.e., Not 5 Or More Miles From Work Or Object To Distance	
			Note: Asked of people who do mind living 5+ miles from work.	

REF# NAME DATES(S) DESCRIPTION NOTES

REF#	NAME	DATES(S)		DESCRIPTION		NOTES		
		75N-77N	76S-78S	75N-76N	77N		76S	77S-78S
1172	REASON	75N-77N	76S-78S	Main Reason	Live More Than 5 Miles From Ref Persn's Wrk			
				1	1	1	1	Like Neighbors
				2	2	2	2	Like Present House
				3	3	3	3	Close To Schools
				4	4	4	4	Close To Shopping
				5	5	5	5	Close To Others' Job
				6	6	6	6	Can Afford House
				7	7	7	7	Used To Present Home
				8	8	8	8	Other Positive Reason
				9	9	9	9	Don't Like Closer Homes
				10	10	10	10	Don't Like Closer Neighbors
				11	11	11	11	Closer Schools Poor
				12	12	12	12	Closer Homes Not Close To Shopping
				13	13	13	13	Too Far From Others' Jobs
				14	14	14	14	Can't Afford Closer Homes
				15	15	15	15	No Closer House Available
				16	16	16	16	Too Much Trouble To Move
				17	17	17	17	Job Temporary
				18	18	18	18	Other Negative Reason
				20		20		No Particular Reason
				96	96			Object To Distance (Reason Not Reported)
				97	97			Does Not Object to Distance (Code "2" In WDIST)
				98		98	98	Not Answered
				99	99	99	99	Not Applicable

Note: In 1977N one case with code 90 was found.

REF#	NAME	DATES(S)	DESCRIPTION
1173	REASN1	75N	Main Reason Live More Than 5 Miles From Ref Persn's Wrk
			1 Like Neighbors
			2 Like Present House
			3 Close To Schools
			4 Close To Shopping
			5 Close To Others' Jobs
			6 Can Afford House
			7 Used To Present Home
			8 Other Positive Reason
			9 Don't Like Closer Homes
			10 Don't Like Closer Neighbors
			11 Closer Schools Poor
			12 Closer Homes Not Close To Shopping
			13 Too Far From Others' Jobs
			14 Can't Afford Closer Homes
			15 No Closer House Available
			16 Too Much Trouble To Move
			17 Job Temporary
			18 Other Negative Reason
			98 Not Answered
			99 Not Applicable

REF#	NAME	DATES(S)	DESCRIPTION
1174	MOVEHW	76N-77N	Would Move To Head's Worksite If Housing Affordable
		77S-78S	1 Yes
			2 No
			3 Don't Know
			8 Not Answered
			9 Not Applicable

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 C = Core variable (For National Surveys only)
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 S = SMSA Survey



This section documents data specifically collected for mobile homes. Some of the items presented here are collected on an ongoing basis. A large part of the section, however, presents data which were collected in the "Mobile Home" Supplement to the 1980 and 1983 National Surveys. These items are only available for those years. Additional data collected for mobile homes may be found in sections such as General Unit Information, Other Housing Quality, and Neighborhood Conditions.

The items collected on an ongoing basis are for the most part applicable to all rented mobile homes and to owner-occupied mobile homes on less than 10 acres. The questions included in the questionnaire supplements are in general asked for all mobile home occupants. The types of mobile homes in which each question is asked are shown on the next page.

For additional information on some of the variables documented in this section, refer to Appendix A, Section 11.0.

VARIABLE NAME	OWNERS		RENTERS
	On Less Than 10 Acres	On More Than 10 Acres	
YRBUYM-PRICEM	Yes	No	No
YRBUY-PRICE	No	Yes	No
MVAL	Site owned (no condos)	No	No
MSALE	Site rented (no condos)	No	No
MLOAN, MHGET	Yes	No	No
MPRTX, MHTAX 1980	Asked of All	No	No
1983	Asked of those paying real estate taxes only	No	No
MPRT, MHTX	Asked of all those not paying R.E. taxes	No	No
NUMSIT, OWNLOT	Yes	No	No
OWNLT	No	Yes	No
LRENT, FLRENT 74N-77N, 80N 83N, 83S	Yes Yes	No Yes	See SRENT, FSRENT Yes
OWNSIT-FSRENT	No	No	Yes
RECHM-WIDTH	Yes	Yes	Yes
MNEWM	No	Yes	Yes
NEWM	Yes	No	No
NEWMCO	Asked of Condos only	No	No
NEWMOT	No	Yes	No
WHOSET-LIMWRN	Acquired New only	No	No
MHINYR	Yes	Yes	No
MHDAMG-NOOTH MPO1-NP25	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes
RDMGDL-ROTHDL RPO1DL-RP25DL	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes
RDMGM-ROTHM RPO1M-RP25M	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes
RDMGHM-ROTHHM RPO1HM-RP25HM	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes
RDMGHP-ROTHHP RPO1HP-RP25HP	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes
RDMGSE-ROTHSE RPO1SE-RP25SE	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes
RDMGNR-ROTHNR RPO1NR-RP25NR	If put on site last 12 mos. Yes	If put on site last 12 mos. Yes	No Yes

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1175	YRBUYM	74N-81N 83N 75S-83S	Year Acquired Mobile Home or Trailer (on<10 acres) 74N-81N 75S-83S 83N	C
			00-83 1900-1983	
		59	1959 Or Before	
		60-83	1960-1983	
		99	99 Not Applicable	
1176	ZPRICEM	74N-81N 83N	Purchase Price of Mobile Home (on <10 acres)	C
			1 Under \$500	
			2 \$500-\$999	
			3 \$1000-\$1499	
			4 \$1500-\$1999	
			5 \$2000-\$2499	
			6 \$2500-\$2999	
			7 \$3000-\$3499	
			8 \$3500-\$3999	
			9 \$4000-\$4499	
			10 \$4500-\$4999	
			11 \$5000-\$5499	
			12 \$5500-\$5999	
			13 \$6000-\$6499	
			14 \$6500-\$6999	
			15 \$7000-\$7499	
			16 \$7500-\$7999	
			17 \$8000-\$8499	
			18 \$8500-\$8999	
			19 \$9000-\$9499	
			20 \$9500-\$9999	
			21 \$10000-\$10499	
			22 \$10500-\$10999	
			23 \$11000-\$11499	
			24 \$11500-\$11999	
			25 \$12000-\$12499	
			26 \$12500-\$12999	
			27 \$13000-\$13499	
			28 \$13500-\$13999	
			29 \$14000-\$14499	
			30 \$14500-\$14999	
			31 \$15000 Or More	
			98 Not Answered	
			99 Not Applicable	
			Note: For a few non-mobile homes in 78N-81N, ZPRICEM is coded 31 instead of 99 in the Census tapes. These cases are corrected in the Abt tapes.	
1177	RPRICE	83N	Purchase Price Of Mobile Home (on <10 acres)	
			1 Under \$5,000	
			2 \$5,000-\$7,499	
			3 \$7,500-\$9,999	
			4 \$10,000-\$12,499	
			5 \$12,500-\$14,999	
			6 \$15,000-\$17,499	
			7 \$17,500-\$19,999	
			8 \$20,000-\$22,499	
			9 \$22,500-\$24,999	
			10 \$25,000-\$27,499	
			11 \$27,500-\$29,999	
			12 \$30,000-\$34,999	
			13 \$35,000 or more	
			99 Not Applicable	

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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1178	PRICEM	75S-83S	Purchase Price of Mobile Home (on <10 acres)	
			0 Not Purchased	
			1-99997 \$1-\$99997	
			99998 Not Answered	
			99999 Not Applicable	
1179	YRBUY	83N 83S	Year Acquired Mobile Home or Trailer (on>10 acres)	
			83N 83S	
			00-83 1900-1983	
			59 1959 or Before	
			60-83 1960-1983	
			99 99 Not Applicable	
1180	ZPRICE	83N	Purchase Price of Mobile Home (on >10 acres)	
			1 Under \$5,000	
			2 \$5,000-\$7,499	
			3 \$7,500-\$9,999	
			4 \$10,000-\$12,499	
			5 \$12,500-\$14,999	
			6 \$15,000-\$17,499	
			7 \$17,500-\$19,999	
			8 \$20,000-\$22,499	
			9 \$22,500-\$24,999	
			10 \$25,000-\$27,499	
			11 \$27,500-\$29,999	
			12 \$30,000-\$34,999	
			13 \$35,000 or more	
			99 Not Applicable	
1181	PRICE	83S	Purchase Price of Mobile Home (on >10 acres)	
			0 Not Purchased	
			1-99997 \$1-\$99997	
			99998 Not Answered	
			99999 Not Applicable	
1182	MVAL	80N 83N	Market Value Of Mobile Home And Land	
			1 Less Than \$5000	
			2 \$5000-7499	
			3 \$7500-9999	
			4 \$10,000-12,499	
			5 \$12,500-14,999	
			6 \$15,000-17,499	
			7 \$17,500-19,999	
			8 \$20,000-22,499	
			9 \$22,500-24,999	
			10 \$25,000-27,499	
			11 \$27,500-29,999	
			12 \$30,000-34,999	
			13 \$35,000-39,999	
			14 \$40,000-44,999	
			15 \$45,000-49,999	
			16 \$50,000-54,999	
			17 \$55,000-59,999	
			18 \$60,000-64,999	
			19 \$65,000-69,999	
			20 \$70,000-74,999	
			21 \$75,000- Or More	
			98 Not Answered	
			99 Not Applicable	
			Note: Only asked if site owned.	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1183	MSALE	80N 83N	Market Value Of Mobile Home 1 Less Than \$5000 2 \$5000-7499 3 \$7500-9999 4 \$10,000-12,499 5 \$12,500-14,999 6 \$15,000-17,499 7 \$17,500-19,999 8 \$20,000-22,499 9 \$22,500-24,999 10 \$25,000-27,499 11 \$27,500-29,999 12 \$30,000-34,999 13 \$35,000-39,999 14 \$40,000-44,999 15 \$45,000-49,999 16 \$50,000-54,999 17 \$55,000-59,999 18 \$60,000-64,999 19 \$65,000-69,999 20 \$70,000-74,999 21 \$75,000- Or More 98 Not Answered 99 Not Applicable Note: Only asked if site rented.	
1184	MLOAN	75S	Installment Loan On Mobile Home 1 Yes, Installment Loan Or Contract 2 No, Owned Free and Clear 8 Not Answered 9 Not Applicable Note: Starting with 76S, question is coded under MORT. In 76S-78S tapes released earlier, MLOAN is still present and is unreliable. It has been corrected in later versions.	
1185	MNUMOR	80N 83N	Placed Or Assumed Mortgage When Mobile Home Acquired 1 Yes 2 No 8 Not Answered 9 Not Applicable	
1186	MHGET	80N 83N	How Was Mobile Home Acquired 1 Inheritance Or Gift 2 Paid All Cash 3 Other Manner 8 Not Answered 9 Not Applicable	
1187	MPRPTX	80N 83N	Annual Tax, Fee Or Similar Charge For Mobile Home 2 License Fee Or Similar Charge Only 3 No 4 Don't Know 10 Personal Property Tax Only 12 Personal Property and License Fee 13 Personal Property Tax Only 98 Not Answered 99 Not Applicable	
1188	MHTAX	80N 83N	Yearly Cost of Taxes and Fees On Mobile Home 0-99997 \$0-99997 99998 Not Answered 99999 Not Applicable	

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 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1189	MPRT	83N	Tax, Fee Or Similar Charge For Mob Hm-no R.E. tax paid 2 License Fee Or Similar Charge Only 3 No 4 Don't Know 10 Personal Property Only 12 Personal Property Tax and License Fee 98 Not Answered 99 Not Applicable	
1190	MHTX	83N	Yrly Cost of Taxes+Fees On Mobile Home--No Taxes Pd 0-99997 \$0-99997 99998 Not Answered 99999 Not Applicable	
1191	NUMSIT	80N 83N	Number Of Sites Mobile Home Placed On Since Owned 1 1 2 2-3 3 4 Or More 8 Not Answered 9 Not Applicable	
1192	OWNLOT	74N-81N 83N 75S-83S	If Mobile Home Owned, Is Site Owned (MH on<10 acres) 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
1193	OWNLT	83N	If Mobile Home Owned, Is Site Owned (MH on>10 acres) 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
1194	LRENT	74N-77N 80N 83N 75S-81S 83S	Monthly Rent For Mobile Home Site, Home Itself Owned 74N-77N 80N 75S-81S 83N 83S 83S 0-996 \$0-\$996 0-1998 \$0-\$1998 997 \$997 Or More 1999 \$1999 Or More 9998 998 Not Answered 9999 999 Not Applicable	
1195	FLRENT	80N 83N 83S	Frequency Of Site Rent, Home Owned 0 Not Cash Rent 1 More Than Once A Month 2 Less Than Once A Month 3 Once A Month 8 Not Answered 9 Not Applicable	
1196	OWNSIT	74N-81N 83N 75S-83S	Site Owned (Rented Mobile Homes) 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
1197	INCS	74N-77N 80N 83N 75S-81S	Site Rent Included In Home Rent 74N-77N 80S-81S 80N, 83N 75S-79S 1 1 Yes 2 2 No 8 Not Answered 9 9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1198	SRENT	74N-77N 80N 75S-81S	Mnthly Rent for Mobile Home Site-Home Rented Separately 74N-77N 80N 75S-81S	
			1-996 \$1-\$996 1-1998 \$1-\$1998 997 \$997 Or More 1999 \$1999 Or More 9998 998 Not Answered 9999 999 Not Applicable	
1199	FSRENT	80N	Rent Freq For Mobile Home Site-Home Rented Separately	
			1 More Than Once A Month 2 Less Than Once A Month 3 Once A Month 8 Not Answered 9 Not Applicable	
1200	RECMH	80N 83N	Mobile Home Living Recommended	
			1 Yes 2 Sometimes 3 No 8 Not Answered 9 Not Applicable	
1201	HOWMH	80N 83N	Rating Of This Mobile Home As Place To Live	
			1 Excellent 2 Good 3 Fair 4 Poor 8 Not Answered 9 Not Applicable	
1202	WBLOC	80N	Reason For Dissatisfaction with Mobile Home	
1203	WBQUAL	83N	1 Mob Hm Unsatisf-Bad Loc/Neighbd Probs/Commuting	
1204	WBSIZE		2 Mob Hm Unsatisf-Quality of Constr/Workmshp	
1205	WBSAFE		3 Mob Hm Unsatisf-Size (Too Large/Too Small)	
1206	WBXPEN		4 Mob Hm Unsatisf-Safety	
1207	WBNVST		5 Mob Hm Unsatisf-Too Exp, Util/Maint Charges/Fees 6 Mob Hm Unsatisf-Bad Investment	
			The Codes Unique To Each Variable Are Shown Above: Standard Codes for All Variables Are: 0 This Answer Not Given 9 Not Answered Or Not Applicable	
			Note: If you need to distinguish between Not Answered and Not Applicable, use WBOTHR.	
1208	WBOTHR	80N 83N	Mob Hm Unsatisf-Other Reason	
			0 This Answer Not Given 7 Mob Hm Unsatisfactory-Other Reason 8 Not Answered 9 Not Applicable	
1209	TPARK	74N-81N 83N 75S-83S	Number of Mobile Homes in Group (Enumerator Observation) 74N-77N 78N-81N 83N 75S-81S 82S-83S	A,C
			1 6 or more 2 1 1-5 2 6-99 3 100 or more 9 9 Not Applicable	

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 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1210	PARKSZ	75N-77N 76S-81S	Number of Mobile Homes in Large Group <u>75N-77N</u> <u>76S-81S</u> 1 1 6-99 2 2 100 Or More 8 8 Not Answered 9 9 Not Applicable	A
1211	NUMMOB	80N 83N	No. of Mobile Homes Owned/Rented As Primary Residence <u>80N</u> <u>83N</u> 0 None 1 1 One 2 2 Two 3 3 Three Or More 8 8 Not Answered 9 9 Not Applicable	
1212	TIED	74N-77N 80N 83N 75S-81S	Mobile Home Is Secured by Tiedowns 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
1213	SETUP	80N 83N	Mobile Home Set Up 1 Permanent Masonry Foundation 2 Concrete Pad 3 On Blocks, No Concrete Pad 4 Other 8 Not Answered 9 Not Applicable	
1214	WIDE	80N 83N	Mobile Home Single-Wide Or Double Wide 1 Single-Wide 2 Double-Wide 8 Not Answered 9 Not Applicable	
1215	WIDTH	80N 83N	Width of Mobile Home 1 Less Than 8 Feet 2 8 Feet 3 10 Feet 4 12 Feet 5 14 Feet 6 16 Feet 7 20 Feet 8 24 Feet Or More 98 Not Answered 99 Not Applicable	
1216	MNEWM	80N 83N	Mobile Home New When Head Moved In 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
1217	NEWM	74N-81N 83N 75S-83S	Mobile Home New When Acquired (MH on < 10 acres) 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
1218	NEWMCO	83N	Mobile Home New When Acquired (MH owned as condo) 1 Yes 2 No 8 Not Answered 9 Not Applicable	C
1219	NEWMOT	83N 83S	Mobile Home New When Acquired (MH on > 10 acres) 1 Yes 2 No 8 Not Answered 9 Not Applicable	C

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1220	WHOSET	80N 83N	Who Set Up Mobile Home On This Site 1 Dealer 2 Professional Employed By Dealer Or Park 3 Professional Mover Or Transport Company Which Specializes In Mobile Home Installation 4 Manufacturer 5 Household Member 6 Other 8 Not Answered 9 Not Applicable	
1221	OWNMAN	80N	Received Owner's Manual When Mobile Home Acquired	
1222	OWNCARD	83N	Received Owner Info Card When Mobile Home Acquired	
1223	INSTRC		Received Set-Up Or Installation Instructions	
1224	WRNTE		Mobile Home Fully Warranted	
1225	LIMWRN		Received Limited Warranty on Mobile Home For All Variables, Standard Codes Are: 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
1226	MHINYR	80N 83N	Mobile Home Placed On Site In Past 12 Months 1 Yes 2 No 8 Not Answered 9 Not Applicable	
1227	MHDAMG	80N	Mobile Home Damaged During Transport	
1228	MHUTIL	83N	Problems With Utility Connection At Installation	
1229	LEVL		Mobile Home Correctly Leveled At Installation	
1230	NOLEVL		Problems With Incorrect Leveling At Installation	
1231	INSTAL		Any Other Installation Problems For All Variables, Standard Codes Are: 1 Yes 2 No 8 Not Answered 9 Not Applicable	
1232	DAMAGE	83N	Description Of Damages Incurred During Transport	
1233	LEVEL		Description Of Leveling Problems at Installation	
1234	OTPROB		Description Of Other Problems Occurring at Installation (Codes Not Yet Released By Census Bureau)	
1235	NOELEC	80N	1 Electricity Didn't Work At Installation	
1236	NONGAS	83N	2 Natural Gas Didn't Work At Installation	
1237	NOBGAS		3 Bottled Gas Didn't Work At Installation	
1238	NOWTR		4 Water Supply Didn't Work At Installation	
1239	NOSEW		5 Sewage Disposal Didn't Work At Installation The Codes Unique To Each Variable Are Shown Above: Standard Codes For All Variables are: 0 This Utility Connection Worked 9 Not Applicable or Not Answered Note: To distinguish between Not Answered and Not Applicable, use the variable N00TH.	
1240	N00TH	80N 83N	Other Utilities Didn't Work At Installation 0 Other Utility Connection, If Any, Worked 6 Other Utility Connections Did Not Work 8 Not Answered 9 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1241	MP01	80N	Uneven Settling: Blocks/Foundation/Supports-Past 12 Mo.	
1242	MP02	83N	Problems W/Joining of Double-Wide Sections-Past 12 Mo.	
1243	MP03		Leaks In Roof-Past 12 Mo.	
1244	MP04		Other Roof Problems-Past 12 Mo.	
1245	MP05		Warped Siding Or Other Siding Problems-Past 12 Mo.	
1246	MP06		Air Leaks In Walls-Past 12 Mo.	
1247	MP07		Inoperative Doors Or Windows-Past 12 Mo.	
1248	MP08		Other Outside Wall Problems-Past 12 Mo.	
1249	MP09		Buckling Of Inside Walls-Past 12 Mo.	
1250	MP10		Other Inside Wall Problems-Past 12 Mo.	
1251	MP11		Buckling Floors-Past 12 Mo.	
1252	MP12		Holes In Floors-Past 12 Mo.	
1253	MP13		Other Floor Problems-Past 12 Mo.	
1254	MP14		Problems With Electrical Wiring-Past 12 Mo.	
1255	MP15		Prob W/Electrical Fixtures, Outlets, Etc.-Past 12 Mo.	
1256	MP16		Prob W/Large Appliance Brkdwns-Orig Equip-Past 12 Mo.	
1257	MP17		Other Electrical Problems-Past 12 Mo.	
1258	MP18		Leaking Pipes Or Plumbing Fixtures-Past 12 Mo.	
1259	MP19		Water Heater Problems-Past 12 Mo.	
1260	MP20		Sewer Or Septic Tank Problems-Past 12 Mo.	
1261	MP21		Other Plumbing Problems-Past 12 Mo.	
			For all variables, standard codes are:	
			1 Yes, Problem Was Present In Past 12 Months	
			2 No, Problem Was Not Present In Past 12 Months	
			8 Not Answered	
			9 Not Applicable	
1262	MP22	80N	Htng Equip Brkdwn, Unusable 6+ Consec Hrs-Past 12 Mo.	
1263	MP23	83N	Other Heating Problems-Past 12 Mo.	
1264	MP24		Air Conditioning Problem-past 12 Mo.	
			For All Variables, Standard Codes Are:	
			<u>80N</u> <u>83N</u>	
			0 No Heating or Cooling Equipment	
			1 1 Yes, Problem Was Present In Past 12 Months	
			2 2 No, Problem Was Not Present In Past 12 Months	
			8 8 Not Answered	
			9 9 Not Applicable	
1265	MP25	80N	Problems With Interior Odors or Fumes-Past 12 Mo.	
		83N	1 Yes, Problem Was Present in Past 12 Months	
			2 No, Problem Was Not Present In Past 12 Months	
			8 Not Answered	
			9 Not Applicable	

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1266	NP01	80N	No. Of Uneven Settings: Blocks/Foundtn/Supprts-Past 12	
1267	NP02	83N	No. Of Probs W/Joining of Double-Wide Sections-Past 12	
1268	NP03		Number Of Leaks In Roof-Past 12 Mos.	
1269	NP04		Number Of Other Roof Problems-Past 12 Mos.	
1270	NP05		No. Of Warped Siding Or Other Siding Probs-Past 12 Mos.	
1271	NP06		Number Of Air Leaks In Walls-Past 12 Mo	
1272	NP07		Number Of Inoperative Doors Or Windows-Past 12 Mo	
1273	NP08		Number Of Other Outside Wall Problems-Past 12 Mo	
1274	NP09		No. Of Probs With Buckling Of Inside Walls-Past 12 Mos.	
1275	NP10		Number Of Other Inside Wall Problems-Past 12 Mo	
1276	NP11		Number Of Buckling Floor Problems-Past 12 Mo	
1277	NP12		Number Of Floor Problems-Past 12 Mo	
1278	NP13		Number Of Other Floor Problems-Past 12 Mo	
1279	NP14		Number Of Probs With Electrical Wiring-Past 12 Mo	
1280	NP15		No. Of Probs W/Elec. Fixtures, Outlets, Etc.-Past 12 Mo	
1281	NP16		No. Of Probs: Lg Appliance Brkdwns-Orig Equip-Past 12 M	
1282	NP17		Number Of Other Electrical Problems-Past 12 Mo	
1283	NP18		No. Of Probs: Leaky Pipes Or Plumbing Fixtures-Past 12	
1284	NP19		Number Of Water Heater Problems-Past 12 Mo	
1285	NP20		Number Of Sewer Or Septic Tank Problems-Past 12 Mo	
1286	NP21		Number Of Other Plumbing Problems-Past 12 Mo	
1287	NP22		No. Of Htng Equip Brkdwns, 6+ Consec Hrs.-Past 12 Mos. -Past 12 Months	
1288	NP23		Number Of Other Heating Problems-Past 12 Mo	
1289	NP24		Number Of Air Conditioning Problems-Past 12 Mo	
1290	NP25		Number Of Probs With Interior Odors Or Fumes-Past 12 Mo	

For all variables, standard codes are:
0-97 Problem Occured 0-97 Times
98 Not Answered
99 Not Applicable or Not Answered

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
C = Core variable (For National Surveys only)
N = National Survey
S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1291	RDMGDL	80N	Dealer Fixed Damage Caused By Transport Or Installation	
1292	RUTLDL	83N	Dealer Fixed Prob W/Utility Connections At Installation	
1293	RLVLDL		Dealer Fixed Problem With Leveling At Installation	
1294	ROTHDL		Dealer Fixed Other Installation Problems	
1295	RPO1DL		Dealer Fixed Uneven Settling: Blocks/Fndtns/Supprts	
1296	RPO2DL		Dealer Fixed Probs With Joining of Double-Wide Sections	
1297	RPO3DL		Dealer Fixed Leaks In Roof	
1298	RPO4DL		Dealer Fixed Other Roof Probs	
1299	RPO5DL		Dealer Fixed Warped Siding Or Other Siding Probs	
1300	RPO6DL		Dealer Fixed Air Leaks In Walls	
1301	RPO7DL		Dealer Fixed Inoperative Doors Or Windows	
1302	RP08DL		Dealer Fixed Other Outside Wall Probs	
1303	RP09DL		Dealer Fixed Buckling Of Inside Walls	
1304	RP10DL		Dealer Fixed Other Inside Wall Probs	
1305	RP11DL		Dealer Fixed Buckling Floors	
1306	RP12DL		Dealer Fixed Holes In Floors	
1307	RP13DL		Dealer Fixed Other Floor Problems	
1308	RP14DL		Dealer Fixed Probs W/Electrical Wiring	
1309	RP15DL		Dealer Fixed Probs W/Electrical Fixtures, Outlets, Etc.	
1310	RP16DL		Dealer Fixed Lg Appliance Brkdwns (Orig Equip Only)	
1311	RP17DL		Dealer Fixed Other Electrical Problems	
1312	RP18DL		Dealer Fixed Leaking Pipes Or Plumbing Fixtures	
1313	RP19DL		Dealer Fixed Water Heater Problems	
1314	RP20DL		Dealer Fixed Sewer Or Septic Tank Problems	
1315	RP21DL		Dealer Fixed Other Plumbing Problems	
1316	RP22DL		Dealer Fixed Htng Equip Brkdwns, 6+ Consec. Hrs.	
1317	RP23DL		Dealer Fixed Other Heating Problems	
1318	RP24DL		Dealer Fixed Air Conditioning Problems	
1319	RP25DL		Dealer Fixed Probs With Interior Odors Or Fumes	

For all variables, standard codes are:

0 This Answer Not Given

1 Repaired By Dealer Or Someone Hired by Dealer

9 Not Answered or Not Applicable

Note: See RDMGNN-RP25NR if you need to distinguish between Not Answered and Not Applicable.

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1320	RDMGM	80N	Manufacturer Fixed Damage Caused By Transport Or Instal	
1321	RUTLM	83N	Manufacturer Fixed Problem With Utility Connections	
1322	RLVLM		Manufacturer Fixed Problem With Leveling At Instal	
1323	ROTHM		Manufacturer Fixed Other Installation Problems	
1324	RP01M		Manufacturer Fixed Other Electrical Problems	
1325	RP02M		Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures	
1326	RP03M		Manufacturer Fixed Water Heater Problems	
1327	RP04M		Manufacturer Fixed Sewer Or Septic Tank Problems	
1328	RP05M		Manufacturer Fixed Other Electrical Problems	
1329	RP06M		Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures	
1330	RP07M		Manufacturer Fixed Water Heater Problems	
1331	RP08M		Manufacturer Fixed Sewer Or Septic Tank Problems	
1332	RP09M		Manufacturer Fixed Other Electrical Problems	
1333	RP10M		Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures	
1334	RP11M		Manufacturer Fixed Water Heater Problems	
1335	RP12M		Manufacturer Fixed Sewer Or Septic Tank Problems	
1336	RP13M		Manufacturer Fixed Other Electrical Problems	
1337	RP14M		Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures	
1338	RP15M		Manufacturer Fixed Water Heater Problems	
1339	RP16M		Manufacturer Fixed Sewer Or Septic Tank Problems	
1340	RP17M		Manufacturer Fixed Other Electrical Problems	
1341	RP18M		Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures	
1342	RP19M		Manufacturer Fixed Water Heater Problems	
1343	RP20M		Manufacturer Fixed Sewer Or Septic Tank Problems	
1344	RP21M		Manufacturer Fixed Other Plumbing Problems	
1345	RP22M		Manufacturer Fixed Htng Equip Brkdwns, 6 + Consec Hrs.	
1346	RP23M		Manufacturer Fixed Other Heating Problems	
1347	RP24M		Manufacturer Fixed Air Conditioning Problems	
1348	RP25M		Manufacturer Fixed Probs With Interior Odors Or Fumes	

For all variables, standard codes are:

- 0 This Answer Not Given
- 2 Repaired By Manufacturer Or Someone
Hired by Manufacturer
- 9 Not Answered or Not Applicable

Note: See RDMGMR-RP25NR if you need to distinguish between Not Answered and Not Applicable.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1349	RDMGHH	80N	HH Member Fixed Damage Caused By Transport Or Installat	
1350	RUTLHM	83N	HH Member Fixed Problem With Utility Connections	
1351	RLVLHM		HH Member Fixed Problem With Leveling At Installation	
1352	ROTHHM		HH Member Fixed Other Installation Problems	
1353	RP01HM		HH Member Fixed Uneven Settling	
1354	RP02HM		HH Member Fixed Probs W/Joining of Double-Wide Sections	
1355	RP03HM		HH Member Fixed Leaks In Roof	
1356	RP04HM		HH Member Fixed Other Roof Problems	
1357	RP05HM		HH Member Fixed Warped Siding Or Other Siding Probs	
1358	RP06HM		HH Member Fixed Air Leaks In Walls	
1359	RP07HM		HH Member Fixed Inoperative Doors Or Windows	
1360	RP08HM		HH Member Fixed Other Outside Wall Problems	
1361	RP09HM		HH Member Fixed Buckling Of Inside Walls	
1362	RP10HM		HH Member Fixed Other Inside Wall Problems	
1363	RP11HM		HH Member Fixed Buckling Floors	
1364	RP12HM		HH Member Fixed Holes In Floors	
1365	RP13HM		HH Member Fixed Other Floor Problems	
1366	RP14HM		HH Member Fixed Probs W/Elect Wiring	
1367	RP15HM		HH Member Fixed Probs W/Elect Fixtures, Outlets, Etc.	
1368	RP16HM		HH Member Fixed Lg Appliance Brkdwns (Orig Equip Only)	
1369	RP17HM		HH Member Fixed Other Electrical Problems	
1370	RP18HM		HH Member Fixed Leaking Pipes Or Plumbing Fixtures	
1371	RP19HM		HH Member Fixed Water Heater Problems	
1372	RP20HM		HH Member Fixed Sewer Or Septic Tank Problems	
1373	RP21HM		HH Member Fixed Other Plumbing Problems	
1374	RP22HM		HH Member Fixed Htng Equip Brkdwn, 6 Consec Hrs.	
1375	RP23HM		HH Member Fixed Other Heating Problems	
1376	RP24HM		HH Member Fixed Air Conditioning Problem	
1377	RP25HM		HH Member Fixed Probs With Interior Odors Or Fumes	

For all variables, standard codes are:

0 This Answer Not Given

3 Repaired By A Household Member

9 Not Answered or Not Applicable

Note: See RDMGNN-RP25NR if you need to distinguish between Not Answered and Not Applicable.

1378	RDMGHP	80N	Person Hired Fixed Damage Caused By Transport Or Instal	
1379	RUTLHP	83N	Person Hired Fixed Problem With Utility Connections	
1380	RLVLHP		Person Hired Fixed Problem With Leveling	
1381	ROTHHP		Person Hired Fixed Other Installation Problems	
1382	RP01HP		Person Hired Fixed Uneven Settling	
1383	RP02HP		Person Hired Fixed Probs W/Joining of Dble-Wide Sectns	
1384	RP03HP		Person Hired Fixed Leaks In Roof	
1385	RP04HP		Person Hired Fixed Other Roof Problems	
1386	RP05HP		Person Hired Fixed Warped Siding/Other Siding Probs	
1387	RP06HP		Person Hired Fixed Air Leaks In Walls	
1388	RP07HP		Person Hired Fixed Inoperative Doors Or Windows	
1389	RP08HP		Person Hired Fixed Other Outside Wall Problems	
1390	RP09HP		Person Hired Fixed Buckling Of Inside Walls	
1391	RP10HP		Person Hired Fixed Other Inside Wall Problems	
1392	RP11HP		Person Hired Fixed Buckling Floors	
1393	RP12HP		Person Hired Fixed Holes In Floors	
1394	RP13HP		Person Hired Fixed Other Floor Problems	
1395	RP14HP		Person Hired Fixed Probs W/Elect Wiring	
1396	RP15HP		Person Hired Fixed Probs W/Elect Fxtrs, Outlets, Etc.	
1397	RP16HP		Person Hired Fixed Lg Appl Brkdwns (Orig Equip Only)	
1398	RP17HP		Person Hired Fixed Other Electrical Problems	
1399	RP18HP		Person Hired Fixed Leaking Pipes Or Plumbing Fixtures	
1400	RP19HP		Person Hired Fixed Water Heater Problems	
1401	RP20HP		Person Hired Fixed Sewer Or Septic Tank Problems	
1402	RP21HP		Person Hired Fixed Other Plumbing Problems	
1403	RP22HP		Person Hired Fixed Htng Equip Brkdwn, 6 Consec Hrs.	
1404	RP23HP		Person Hired Fixed Other Heating Problems	
1405	RP24HP		Person Hired Fixed Air Conditioning Problem	
1406	RP25HP		Person Hired Fixed Probs With Interior Odors Or Fumes	

For all variables, standard codes are:

0 This Answer Not Given

4 Repaired By Someone Hired By Household Member

9 Not Answered or Not Applicable

Note: See RDMGNN-RP25NR if you need to distinguish between Not Answered and Not Applicable.

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1407	RDMGSE	80N	Someone Else Fixed Damage Caused By Transport Or Instal	
1408	RUTLSE	83N	Someone Else Fixed Problem With Utility Connections	
1409	RLVLSE		Someone Else Fixed Problem With Leveling	
1410	ROTHSE		Someone Else Fixed Other Installation Problems	
1411	RP01SE		Someone Else Fixed Uneven Settling	
1412	RP02SE		Someone Else Fixed Probs W/Joining of Dbl-Wide Sectns	
1413	RP03SE		Someone Else Fixed Leaks In Roof	
1414	RP04SE		Someone Else Fixed Other Roof Problems	
1415	RP05SE		Someone Else Fixed Warped Siding/Other Siding Probs	
1416	RP06SE		Someone Else Fixed Air Leaks In Walls	
1417	RP07SE		Someone Else Fixed Inoperative Doors Or Windows	
1418	RP08SE		Someone Else Fixed Other Outside Wall Problems	
1419	RP09SE		Someone Else Fixed Buckling Of Inside Walls	
1420	RP10SE		Someone Else Fixed Other Inside Wall Problems	
1421	RP11SE		Someone Else Fixed Buckling Floors	
1422	RP12SE		Someone Else Fixed Holes In Floors	
1423	RP13SE		Someone Else Fixed Other Floor Problems	
1424	RP14SE		Someone Else Fixed Probs W/Elect Wiring	
1425	RP15SE		Someone Else Fixed Probs W/Elect Fixtures, Outlets, Etc	
1426	RP16SE		Someone Else Fixed Lg Appliance Brkdwns (Orig Equip Onl	
1427	RP17SE		Someone Else Fixed Other Electrical Problems	
1428	RP18SE		Someone Else Fixed Leaking Pipes Or Plumbing Fixtures	
1429	RP19SE		Someone Else Fixed Water Heater Problems	
1430	RP20SE		Someone Else Fixed Sewer Or Septic Tank Problems	
1431	RP21SE		Someone Else Fixed Other Plumbing Problems	
1432	RP22SE		Someone Else Fixed Htng Equip Brkdwn, 6 Consec Hrs.	
1433	RP23SE		Someone Else Fixed Other Heating Problems	
1434	RP24SE		Someone Else Fixed Air Conditioning Problem	
1435	RP25SE		Someone Else Fixed Probs With Interior Odors Or Fumes	

For all variables, standard codes are:

0 This Answer Not Given

5 Repaired By Someone Else

9 Not Answered or Not Applicable

Note: See RDMGNR-RP25NR if you need to distinguish between Not Answered and Not Applicable.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)

C = Core variable (For National Surveys only)

N = National Survey

S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1436	RDMGNR	80N	Damage Caused By Transport Or Installation Not Repaired	
1437	RUTLNR	83N	Problem With Utility Connections Not Repaired	
1438	RLVLNR		Problem With Leveling Not Repaired	
1439	ROTHNR		Other Installation Problems Not Repaired	
1440	RPO1NR		Uneven Settling Not Fixed	
1441	RP02NR		Probs W/Joining of Double-Wide Sections Not Fixed	
1442	RP03NR		Leaks In Roof Not Fixed	
1443	RP04NR		Other Roof Problems Not Fixed	
1444	RP05NR		Warped Siding Or Other Siding Problems Not Fixed	
1445	RP06NR		Air Leaks In Walls Not Fixed	
1446	RP07NR		Inoperative Doors Or Windows Not Fixed	
1447	RP08NR		Other Outside Wall Problems Not Fixed	
1448	RP09NR		Buckling Of Inside Walls Not Fixed	
1449	RP10NR		Other Inside Wall Problems Not Fixed	
1450	RP11NR		Buckling Floors Not Fixed	
1451	RP12NR		Holes In Floors Not Fixed	
1452	RP13NR		Other Floor Problems Not Fixed	
1453	RP14NR		Problems With Electrical Wiring Not Fixed	
1454	RP15NR		Probs W/Elect Fixtures, Outlets, Etc. Not Fixed	
1455	RP16NR		Large Appliance Brkdwns (Orig Equip Only) Not Fixed	
1456	RP17NR		Other Electrical Problems Not Fixed	
1457	RP18NR		Leaking Pipes Or Plumbing Fixtures Not Fixed	
1458	RP19NR		Water Heater Problems Not Fixed	
1459	RP20NR		Sewer Or Septic Tank Problems Not Fixed	
1460	RP21NR		Other Plumbing Problems Not Fixed	
1461	RP22NR		Htng Equip Brkdwns, 6 Or More Consec Hrs, Not Fixed	
1462	RP23NR		Other Heating Problems Not Fixed	
1463	RP24NR		Air Conditioning Problem Not Fixed	
1464	RP25NR		Problems With Interior Odors Or Fumes Not Fixed	
			For all variables, standard codes are:	
			0 This Answer Not Given	
			6 Problem Not Repaired	
			8 Not Answered	
			9 Not Applicable	
1465	MODOR2	80N 83N	Cause Of Odors Or Fumes	
			1 Formaldehyde	
			2 Other	
			3 Don't Know	
			8 Not Answered	
			9 Not Applicable	
1466	MHRED	80N 83N	Mobile Home Has Red Metal Manufacturer's Label	
			1 Yes	
			2 No	
			3 Don't Know	
			8 Not Answered	
			9 Not Applicable	

The first part of this section documents data collected specifically for condominiums and cooperatives. Users should note that additional data for these types of units may be found in other sections such as General Unit, Housing Quality, Housing Costs, and Neighborhood Quality. Data include the monthly and annual costs of utilities, insurance and taxes; the presence of rental units in the development, and the number of units in the structure. The condominium and cooperative supplement was administered in the 1980, 1981 and 1983 National Surveys.

The second part of this section deals with Housing Cost variables for owner-occupied multi-unit structures and owner-occupied one-unit structures or mobile homes on more than 10 acres. The data were collected in the Housing Cost Supplement administered in the 1983 National and SMSA Surveys. The types of units where each question was asked are presented in the table below.

Variable Name	Condo/Cooperatives	Other Owner-Occupied Multi-Family Structures, Single Family on More Than 10 Acres, and Mobile Homes on More Than 10 Acres
CONDO	All Units	No
NUCND0-CANRNT	Yes	No
CMORT-CPMT	Yes	Yes
CBUYI-CAMTT	Yes	No
PVALUE-SPBILT	No	Yes

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1467	CONDO	79N-81N 83N 80S-83S	This House/Apartment Part Of A Condominium 1 Yes 2 No 8 Not Answered 9 Not Applicable 99 Not Applicable	
1468	NUCND0	80N-81N 83N 83S	Building Converted From Rental Units To Condo. Units 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
1469	WHNCND	80N-81N 83N 83S	Year Unit Was Converted To Condo./Coop. Ownership <u>80N-81N 83N, 83S</u> 0 1983 1 1981-1982 2 1981 3 1979-1980 4 1976-1978 5 1970-1975 6 Before 1970 8 Don't Know 8 Not Answered 9 Not Applicable	
1470	NUMCND	80N-81N 83N 83S	Number of Condominium/Cooperative Units In Development 1 Less Than 50 2 50-99 3 100-499 4 500 or More 5 Don't Know 8 Not Answered 9 Not Applicable	
1471	CANRNT	80N-81N 83N 83S	Any Units In This Development Rented Or For Rent 1 Yes 2 No 3 Don't Know 8 Not Answered 9 Not Applicable	
1472	CMORT	80N-81N 83N 83S	Mortgage on Unit 1 Unit Mortgaged 2 Unit Owned Free and Clear 8 Not Answered 9 Not Applicable	A
1473	CPMT	80N-81N 83N 83S	Required Total Mortgage Payments On This Unit 0-9997 \$0-\$9997 9998 Not Answered 9999 Not Applicable	
1474	CFPMT	80N-81N 83N 83S	Mortgage Payments On This Unit Due 1 Per Month 2 Per Year 3 Other 8 Not Answered 9 Not Applicable	
1475	CTXPMT	80N-81N 83N 83S	Real Estate Taxes Included In Mortgage Payments 1 Yes 2 No 8 Not Answered 9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1476	CAMF	80N-81N 83N 83S	Condominium Fee Due 1 Monthly 2 Yearly 3 Other 8 Not Answered 9 Not Applicable	
1477	CONFEE	80N-81N 83N 83S	Amount of Condominium Fee 0-9997 \$0-\$9997 9998 Not Answered 9999 Not Applicable	
1478	CONE	80N-81N	Utilities and Services Included in Condominium Fee	
1479	CONG	83N	Electricity Included in Fee	
1480	CONW	83S	Gas Included in Fee	
1481	CONO		Water Included in Fee	
1482	CONT		Oil, Coal, Kerosene, Wood, or Other Fuels in Fee	
1483	CMNTN		Garbage (Food Waste) Collection Included in Fee	
1484	CPARK		Upkeep Maintenance of the Common Space/Grounds in Fee	
1485	CSWIM		Off-Street Parking Included in Fee	
1486	CREC		Swimming Facilities Included in Fee	
1487	CSECUR		Other Recreational Facilities Included in Fee	
1488	COTHER		Security Personnel Included in Fee Other Items Are Included In Condominium Fee For All Variables, Standard Values Are: 1 Yes 2 No 8 Not Answered 9 Not Applicable	
1489	CBUYE	80N-81N	Pay For Electricity Separately From Fee	
1490	CBUYG	83N	Pay For Gas Separately From Fee	
1491	CBUYW	83S	Pay For Water Separately From Fee	
1492	CBUYO		Pay For Oil, Coal, Kerosene, Wood or Other Fuel Separately From Fee	
1493	CBUYT		Pay For Garbage (Food Waste) Collection Separately	
1494	CBUYI		Pay For Fire and Hazard Ins Sep From Mortgage	
1495	CBUYX		Pay Real Estate Taxes Separately From Mortgage For All Variables, Standard Values Are: 1 Yes 2 No, Or Not Used 8 Not Answered 9 Not Applicable	
1496	CAMTE	80N-81N	Average Monthly Cost Of Electricity Over Past 12 Months	
1497	CAMTG	83N	Average Monthly Cost of Gas Over Past 12 Months	
1498	CAMTT	83S	Yearly Cost of Garbage (Food Waste) Collection For All Variables, Standard Values Are: 0-997 \$0-\$997 998 Not Answered 999 Not Applicable	
1499	CAMTX	80N-81N 83N 83S	Yearly Cost Of Real Estate Taxes 0-99997 \$0-\$99997 99998 Not Answered 99999 Not Applicable	
1500	CAMTW	80N-81N	Yearly Cost Of Water	
1501	CAMTD	83N	Yrly Cost of Oil, Coal, Kerosene, Wood, Other Fuel	
1502	CAMTI	83S	Yearly Cost Of Fire And Hazard Insurance For All Variables, Standard Codes Are: 0-9997 \$0-\$9997 9998 Not Answered 9999 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1503	PVALUE	83N 83S	Property Value	
			1 Under \$5,000	
			2 \$5,000-\$7,499	
			3 \$7,500-\$9,999	
			4 \$10,000-\$12,499	
			5 \$12,500-\$14,999	
			6 \$15,000-\$17,499	
			7 \$17,500-\$19,999	
			8 \$20,000-\$22,499	
			9 \$22,500-\$24,999	
			10 \$25,000-\$27,499	
			11 \$27,500-\$29,999	
			12 \$30,000-\$34,999	
			13 \$35,000-\$39,999	
			14 \$40,000-\$44,999	
			15 \$45,000-\$49,999	
			16 \$50,000-\$54,999	
			17 \$55,000-\$59,999	
			18 \$60,000-\$64,999	
			19 \$65,000-\$69,999	
			20 \$70,000-\$74,999	
			21 \$75,000-\$79,999	
			22 \$80,000-\$89,999	
			23 \$90,000-\$99,999	
			24 \$100,000-\$124,999	
			25 \$125,000-\$149,999	
			26 \$150,000-\$199,999	
			27 \$200,000-\$249,999	
			28 \$250,000-\$299,999	
			29 \$300,000 Or More	
			99 Not Applicable	
1504	PINCOP	83N 83S	Mortgage Payment incl payment for prop other than res	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
1505	RESAMT	83N 83S	Amount of Mortgage Payment Applying to Residence	
			0 Don't Know	
			1-9996 \$1-\$9996	
			9997 \$9997 or more	
			9998 Not Answered	
			9999 Not Applicable	
1506	PTXPMT	83N	Real Estate Taxes Included In Property Mortgage Payment	
1507	PINSPT	83S	Fire And Hazard Insurance Included In Prop Mortgage Pay	
			Standard Values for Both Variables Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
1508	PBUYE	83N	Owner Pays For Property Electricity	
1509	PBUYG	83S	Owner Pays For Property Gas	
1510	PBUYW		Owner Pays For Property Water/Sewage	
1511	PBUYO		Owner Pays For Property Oil, Kerosene, Other Fuels	
1512	PBUYI		Owner Pays For Property Fire And Hazard Insurance (Even If Included in Mortgage)	
1513	PBUYX		Owner Pays For Real Estate Taxes (Even If Included (In Mortgage)	
1514	PBUYT		Owner Pays For Garbage/Trash Collection For Property For All Variables, Standard Codes Are:	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1515	PAMTE	83N	Avg Monthly Cost of Property Electricity (Owner)	
1516	PAMTG	83S	Avg Monthly Cost of Property Gas (Owner)	
1517	PAMTT		Avg Monthly Cost of Property Trash/Garbage Collection For All Variables, Standard Codes Are: 1-997 \$1-\$997 998 \$998 or more 999 Not Applicable	
1518	PAMTW	83N	Avg Monthly Cost of Property Water/Sewage (Owner)	
1519	PAMTO	83S	Avg Annual Cost of Oil, Coal, Kerosene for Property	
1520	PAMTI		Avg Annual Cost of Property Fire And Hazard Ins For All Variables, Standard Codes Are: 1-9997 \$1-\$9997 9998 \$9998 or more 9999 Not Applicable	
1521	PAMTX	83N 83S	Annual Real Estate Taxes For Property (in dollars) 1-99996 \$1-\$99996 99997 \$99997 or more 99998 Not Answered 99999 Not Applicable	
1522	NORESE	83N	Payment For Electricity Other Than For Residence	
1523	NORESG	83S	Payment For Gas Other Than For Residence	
1524	NORESW		Payment For Water/Sewage Other Than For Residence	
1525	NORES0		Payment For Oil Or Other Fuels Other Than For Res	
1526	NORESI		Payment For Insurance Other Than For Residence	
1527	NORESX		Payment For Real Estate Taxes Other Than For Res	
1528	NOREST		Payment For Trash Collection Other Than For Res For All Variables, Standard Codes Are: 1 Yes 2 No 8 Not Answered 9 Not Applicable	
1529	AMTRSE	83N	Amt Of Electricity Payment For Owner's Residence	
1530	AMTRSG	83S	Amt Of Gas Payment For Owner's Residence	
1531	AMTRST		Amt Of Trash Collection Payment For Owner's Res For All Variables, Standard Codes Are: 0 Don't Know 1-997 \$1-\$997 998 \$998 Or More 999 Not Applicable	
1532	AMTRSO	83N	Amt Of Oil Or Other Fuel Payment For Owner's Res	
1533	AMTRSW	83S	Amt Of Water/Sewage Payment For Owner's Res	
1534	AMTRSI		Amt Of Insurance Payment For Owner's Residence For All Variables, Standard Codes Are: 0 Don't Know 1-9997 \$1-\$9997 9998 \$9998 Or More 9999 Not Applicable	
1535	AMTRSX	83N 83S	Amt Of Real Estate Tax Payment For Owner's Res 0 Don't Know 1-99997 \$1-\$99997 99998 \$99998 Or More 99999 Not Applicable	

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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1536	SPMTRE	83N	Amt Of Owner's Res Elec Payment Based On Sep Meter	
1537	SPMTRG	83S	Amt Of Owner's Res Gas Payment Based On Sep Meter	
1538	SPMTRW		Amt Of Owner's Res Water Payment Based On Sep Meter	
1539	SPPREI		Amt Of Owner's Res Ins Payment Based On Sep Bills	
1540	SPASSX		Amt Of Owner's Res Tax Payment Based On Sep Assess	
1541	SPBILT		Amt Of Owner's Res Trash Payment Based On Sep Bills	
For All Variables, Standard Codes Are:				
1 Yes				
2 No				
8 Not Answered				
9 Not Applicable				

This section contains items related to disabilities and handicaps. Detailed information is available on conditions affecting members of the household, availability of special features in the unit such as ramps, handrails, grab bars, etc., and respondent's perception of which special features would facilitate disabled and/or handicapped persons to get around in the unit.

Disability data are available for the 1978 National Survey and the 1979, 1980, 1981 and 1982 SMSA Surveys.

DISABILITIES

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1542	DISABL	82S	Number of Disabled Persons In Household 1-7 1-7 Disabled Persons 8 Not Answered 9 Not Applicable	
1543	INOUT	78N 79S-82S	Any HH Member Have Dffcly Getting In/Out House/Apt Bld <u>78N 79S-82S</u> 1 1 Yes 5 2 No 8 8 Not Answered 9 9 Not Applicable	
1544	AROUND	78N 79S-82S	Any HH Membr Have Dffcly Getting Around Inside This Hs <u>78N 79S-82S</u> 2 1 Yes 5 2 No 8 8 Not Answered 9 9 Not Applicable	
1545	UPDOWN	78N 79S-82S	Any HH Member Have Dffcly Going Up/Down Staire <u>78N 79S-82S</u> 3 1 Yes 5 2 No 8 8 Not Answered 9 9 Not Applicable	
1546	USEQUI	78N 79S-82S	Any Household Member Have Difficulty Using Equipment - The Bathroom Facilities, Kitchen Equipment Or Other Equipment In This House/Apartment <u>78N 79S-82S</u> 4 1 Yes 5 2 No 8 8 Not Answered 9 9 Not Applicable	
1547	DIFFNO	78N	Any HH Member Have Difficulty Getting Around 00 Some Difficulty 05 No Difficulties 08 Not Answered 09 Not Applicable	
1548	RIDDEN	78N	Any HH Member Completely Bedridden 00 No One In Household Is Bedridden 06 Person Completely Bedridden 98 Not Answered 99 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
			Disability Conditions Present In Household Member(s)	
1549	ASTHMA	78N	11 Asthma	
1550	TUBERC		12 Tuberculosis	
1551	BRONCH		13 Bronchitis	
1552	EMPHY		14 Emphysema	
1553	LUNGO		15 Other Lung Problem (Includes Bronchitis and Emphysema In SMSA Surveys)	
1554	ATTACK		16 Effects of Heart Attack	
1555	HEARTO		17 Any Other Heart Trouble	
1556	STROKE		18 Effects of Stroke	
1557	ARTH		19 Arthritis Or Rheumatism	
1558	EPILEP		20 Convulsions Or Epileptic Seizures	
1559	PALSY		21 Cerebral Palsy	
1560	DEAF		22 Deafness Or Serious Trouble Hearing	
1561	BLIND		23 Blindness Or Serious Trouble Seeing	
1562	LEGS		24 Missing Legs, Feet Or Toes	
1563	ARMS		25 Missing Arms, Hands Or Fingers	
1564	LIMBST		26 Chronic Stiffness Or Deformity Of Foot, Leg, Arm Or Hand	
1565	BACKST		27 Chronic Stiffness/Deformity Of Back/Spine	
1566	BACKO		28 Other Back Or Spine Trouble	
1567	PARAL		29 Paralysis	
1568	THUD		40 HBP Or Hypertension	
1569	DIABET		41 Diabetes	
1570	PARKIN		42 Parkinson's Disease	
1571	CANCER		43 Cancer Or Other Tumor, Growth Or Cyst	
1572	ARTERY		44 Hardening Of The Arteries	
1573	SENILE		45 Senility	
1574	PARIS		60 Infective and Parasitic Diseases	
1575	TUMOR		61 Neoplasms	
1576	DIET		62 Endocrine, Nutritional, and Metabolic Diseas	
1577	BLOOD		63 Diseases Of The Blood / Blood Forming Organs	
1578	MENTAL		64 Mental Disorders	
1579	NERVES		65 Diseases Of The Nervous System & Sense Organ	
1580	CIRCLE		66 Diseases Of The Circulatory System	
1581	COUGH		67 Diseases Of The Respiratory System	
1582	DIGEST		68 Diseases Of The Digestive System	
1583	UROL		69 Diseases Of The Genitourinary System	
1584	MUSCLE		70 Diseases Of The Musculoskeletal System and Connective Tissue	
1585	ANOMLY		71 Congenital Anomalies	
1586	TEMPO		72 Temporary Conditions	
1587	CONDOR		30 Other Conditions	
			For All Variables, Standard Codes Are:	
			00 No One In Household Has the Specific Condition	
			98 Not Answered	
			99 Not Applicable	
1588	CONDNO	78N 79S-82S	Any Disabling Conditions Present In Household	
			<u>78N</u> <u>79S-82S</u>	
			0 1 Someone in Household has Disabling Cond.	
			31 2 No One in Household has Disabling Cond.	
			98 8 Not Answered	
			99 9 Not Applicable	

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REF# NAME DATES(S) DESCRIPTION NOTES

House/Apartment Features To Aid Disabled Present
78N 79S-82S
 1589 HRAIL 78N 11 1 Extra Handrails Or Grabbers Present
 1590 HRAMP 78N 12 2 Ramps Present
 1591 HELEV 79S-82S 13 3 Elevator Present
 1592 HWIDE 14 4 Extra Wide Doors Or Hallways Present
 1593 HHNDL 15 5 Door Handles Instead of Knobs Present
 1594 HRAIS 16 6 Raised Lettering Or Braille Present
 1595 HPUSH 17 7 Push Bars Present
 1596 HSINK 18 8 Special Sink, Faucets Or Cabinets Present

The Codes Unique to Each Variable are Shown Above;
 Standard Codes Are:

78N 79S-81S

00 0 Feature Not Present
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: In 79S-81S, use HNO to distinguish between
 Not Answered and Not Applicable.

1597 HSCKT 78N 79S-82S Special Wall Sockets Or Light Switches Present
78N 79S-82S

00 0 Feature Not Present
 19 Feature Present
 9 Feature Present, Not Answered or Not
 Applicable
 98 Not Answered
 99 Not Applicable
 99 Not Answered Or Not Applicable

Note: In 79S-82S, use HNO to distinguish between
 Not Answered and Not Applicable.

House/Apartment Features To Aid Disabled Present (cont.)

78N 79S-82S
 1598 HBATH 78N 20 10 Bathroom Designed For Wheel Chair Present
 1599 HPHON 78N 21 11 Specially Equipped Telephone Present
 1600 HFLAS 79S-82S 22 12 Flashing Lights Present

The Codes Unique to Each Variable are Shown Above;
 Standard Codes Are:

78N 79S-82S

00 00 Feature Not Present
 98 Not Answered
 99 Not Applicable
 99 Not Answered or Not Applicable

Note: In 79S-82S, use HNO to distinguish between
 Not Answered and Not Applicable.

1601 HOTHR 78N Other Special Feature Present
 23 No Special Feature Present
 98 Not Answered
 99 Not Applicable

1602 HNO 78N 79S-82S No Special Features Present
78N 79S-82S
 00 00 No Other Special Feature Present
 13 Other Special Feature Present
 24 14 No Special Features Present
 98 98 Not Answered
 99 99 Not Applicable

1603 FLINE1 78N Line Number of Person 1 With Difficulties
 1604 FLINE2 Line Number of Person 2 With Difficulties
 1605 FLINE3 Line Number of Person 3 With Difficulties
 1606 FLINE4 Line Number of Person 4 With Difficulties
 1607 FLINE5 Line Number of Person 5 With Difficulties
 1608 FLINE6 Line Number of Person 6 With Difficulties

For All Variables, Standard Codes Are:

1-90 Line Number
 99 Not Applicable

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1609	CLINE1	78N	Line Number of Person 1 With Physical Conditions	
1610	CLINE2		Line Number of Person 2 With Physical Conditions	
1611	CLINE3		Line Number of Person 3 With Physical Conditions	
1612	CLINE4		Line Number of Person 4 With Physical Conditions	
1613	CLINE5		Line Number of Person 5 With Physical Conditions	
1614	CLINE6		Line Number of Person 6 With Physical Conditions	
			For All Variables, Standard Codes Are:	
			1-90 Line Number	
			99 Not Applicable	
1615	ELINE1	78N	Line Number Of Person 1 With Difficulties Or Conditions	
1616	ELINE2	79S-82S	Line Number Of Person 2 With Difficulties Or Conditions	
1617	ELINE3		Line Number Of Person 3 With Difficulties Or Conditions	
1618	ELINE4		Line Number Of Person 4 With Difficulties Or Conditions	
1619	ELINE5		Line Number Of Person 5 With Difficulties Or Conditions	
1620	ELINE6		Line Number Of Person 6 With Difficulties Or Conditions	
			For All Variables, Standard Codes Are:	
			0 Not Applicable	
			1-90 Line Numbers	
			98 Not Answered	
			99 Not Applicable	
1621	DIFA1	78N	First Difficulty Reported For Person 1	
1622	DIFA2	79S-82S	First Difficulty Reported For Person 2	
1623	DIFA3		First Difficulty Reported For Person 3	
1624	DIFA4		First Difficulty Reported For Person 4	
1625	DIFA5		First Difficulty Reported For Person 5	
1626	DIFA6		First Difficulty Reported For Person 6	
1627	DIFB1		Second Difficulty Reported For Person 1	
1628	DIFB2		Second Difficulty Reported For Person 2	
1629	DIFB3		Second Difficulty Reported For Person 3	
1630	DIFB4		Second Difficulty Reported For Person 4	
1631	DIFB5		Second Difficulty Reported For Person 5	
1632	DIFB6		Second Difficulty Reported For Person 6	
1633	DIFC1		Third Difficulty Reported For Person 1	
1634	DIFC2		Third Difficulty Reported For Person 2	
1635	DIFC3		Third Difficulty Reported For Person 3	
1636	DIFC4		Third Difficulty Reported For Person 4	
1637	DIFC5		Third Difficulty Reported For Person 5	
1638	DIFC6		Third Difficulty Reported For Person 6	
1639	DIFD1		Fourth Difficulty Reported For Person 1	
1640	DIFD2		Fourth Difficulty Reported For Person 2	
1641	DIFD3		Fourth Difficulty Reported For Person 3	
1642	DIFD4		Fourth Difficulty Reported For Person 4	
1643	DIFD5		Fourth Difficulty Reported For Person 5	
1644	DIFD6		Fourth Difficulty Reported For Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N 79S-82S</u>	
			0 Not Applicable	
			1 1 Difficulty Going In Or Out of House/Bldg	
			2 3 Difficulty Getting Around Inside Hse/Bldg	
			3 2 Difficulty With Stairs	
			4 4 Difficulty Using Facilities/Equipment	
			5 No Difficulties	
			6 Person Completely Bedridden	
			9 9 Not Applicable	

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<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
1645	DIFE1	78N	Fifth Difficulty Reported For Person 1	
1646	DIFE2		Fifth Difficulty Reported For Person 2	
1647	DIFE3		Fifth Difficulty Reported For Person 3	
1648	DIFE4		Fifth Difficulty Reported For Person 4	
1649	DIFE5		Fifth Difficulty Reported For Person 5	
1650	DIFE6		Fifth Difficulty Reported For Person 6	
1651	DIFF1		Sixth Difficulty Reported For Person 1	
1652	DIFF2		Sixth Difficulty Reported For Person 2	
1653	DIFF3		Sixth Difficulty Reported For Person 3	
1654	DIFF4		Sixth Difficulty Reported For Person 4	
1655	DIFF5		Sixth Difficulty Reported For Person 5	
1656	DIFF6		Sixth Difficulty Reported For Person 6	

For All Variables, Standard Codes Are:

- 1 Difficulty Going In Or Out of House/Bldg
- 2 Difficulty Getting Around Inside Hse/Bldg
- 3 Difficulty With Stairs
- 4 Difficulty Using Facilities/Equipment
- 5 No Difficulties
- 6 Person Completely Bedridden
- 9 Not Applicable

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1657	CONA1	78N	First Disabling Condition Reported For Person 1	
1658	CONA2	79S-82S	First Disabling Condition Reported For Person 2	
1659	CONA3		First Disabling Condition Reported For Person 3	
1660	CONA4		First Disabling Condition Reported For Person 4	
1661	CONA5		First Disabling Condition Reported For Person 5	
1662	CONA6		First Disabling Condition Reported For Person 6	
1663	CONB1		Second Disabling Condition Reported For Person 1	
1664	CONB2		Second Disabling Condition Reported For Person 2	
1665	CONB3		Second Disabling Condition Reported For Person 3	
1666	CONB4		Second Disabling Condition Reported For Person 4	
1667	CONB5		Second Disabling Condition Reported For Person 5	
1668	CONB6		Second Disabling Condition Reported For Person 6	
1669	CONC1		Third Disabling Condition Reported For Person 1	
1670	CONC2		Third Disabling Condition Reported For Person 2	
1671	CONC3		Third Disabling Condition Reported For Person 3	
1672	CONC4		Third Disabling Condition Reported For Person 4	
1673	CONC5		Third Disabling Condition Reported For Person 5	
1674	CONC6		Third Disabling Condition Reported For Person 6	
1675	COND1		Fourth Disabling Condition Reported For Person 1	
1676	COND2		Fourth Disabling Condition Reported For Person 2	
1677	COND3		Fourth Disabling Condition Reported For Person 3	
1678	COND4		Fourth Disabling Condition Reported For Person 4	
1679	COND5		Fourth Disabling Condition Reported For Person 5	
1680	COND6		Fourth Disabling Condition Reported For Person 6	
1681	CONE1		Fifth Disabling Condition Reported For Person 1	
1682	CONE2		Fifth Disabling Condition Reported For Person 2	
1683	CONE3		Fifth Disabling Condition Reported For Person 3	
1684	CONE4		Fifth Disabling Condition Reported For Person 4	
1685	CONE5		Fifth Disabling Condition Reported For Person 5	
1686	CONE6		Fifth Disabling Condition Reported For Person 6	
1687	CONF1		Sixth Disabling Condition Reported For Person 1	
1688	CONF2		Sixth Disabling Condition Reported For Person 2	
1689	CONF3		Sixth Disabling Condition Reported For Person 3	
1690	CONF4		Sixth Disabling Condition Reported For Person 4	
1691	CONF5		Sixth Disabling Condition Reported For Person 5	
1692	CONF6		Sixth Disabling Condition Reported For Person 6	

For All Variables, Standard Codes Are:

78N 79S-82S

- 0 Not Applicable
- 29 01 Paralysis
- 27 02 Chronic Stiffness/Deformity Of Back/Spine
- 28 03 Other Back Or Spine Trouble
- 19 04 Arthritis Or Rheumatism
- 26 05 Chronic Stiffness Or Deformity Of Foot, Leg, Arm Or Hand
- 15 06 Missing Legs, Feet Or Toes
- 25 07 Missing Arms, Hands Or Fingers
- 21 08 Cerebral Palsy
- 18 09 Effects of Stroke
- 23 10 Blindness Or Serious Trouble Seeing
- 22 11 Deafness Or Serious Trouble Hearing
- 16 12 Effects of Heart Attack
- 17 13 Any Other Heart Trouble
- 40 14 HBP Or Hypertension
- 41 15 Diabetes
- 43 16 Cancer Or Other Tumor, Growth Or Cyst
- 11 17 Asthma
- 13 Bronchitis
- 12 Tuberculosis
- 15 18 Other Lung Problem (Includes Bronchitis and Emphysema In SMSA Surveys)
- 14
- 20 19 Convulsions Or Epileptic Seizures
- 42 21 Parkinson's Disease
- 44 22 Hardening Of The Arteries

(Continued On Next Page)

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
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REF#	NAME	DATES(S)	DESCRIPTION	NOTES
			45 23 Senility	
			60 24 Infective and Parasitic Diseases	
			61 25 Neoplasms - New Growth of Tissue Serving No Function, e.g. Tumor. Does Not Include Cancer	
			62 26 Endocrine, Nutritional, and Metabolic Dis	
			63 27 Diseases Of The Blood And Blood Forming Organs	
			64 28 Mental Disorders	
			65 29 Diseases Of The Nervous System & Sense Organs	
			66 30 Diseases Of The Circulatory System	
			67 31 Diseases Of The Respiratory System (Includes Bronchitis and Tuberculosis in SMSA Surveys Only)	
			68 32 Diseases Of The Digestive System	
			69 33 Diseases Of The Genitourinary System	
			70 34 Diseases Of The Musculoskeletal System and Connective Tissue	
			71 35 Congenital Anomalies	
			72 36 Temporary Conditions	
			30 20 Other Conditions	
			98 98 Not Answered	
			99 99 Not Applicable	

Note: In 1979S-1982S, 98 is only coded in CONF1-CONF6. Not Answered in coded 99 in the other variables.

1693	HELP1	78N	Help Needed From Person Or Equipment By Person 1
1694	HELP2		Help Needed From Person Or Equipment By Person 2
1695	HELP3		Help Needed From Person Or Equipment By Person 3
1696	HELP4		Help Needed From Person Or Equipment By Person 4
1697	HELP5		Help Needed From Person Or Equipment By Person 5
1698	HELP6		Help Needed From Person Or Equipment By Person 6

For All Variables, Standard Codes Are:

- 1 Yes, Another Person
- 2 Yes, Special Equipment
- 3 Yes, Both
- 4 No
- 8 Not Answered
- 9 Not Applicable

1699	HELPP1	79S-82S	Help Needed From Another Person By Person 1
1700	HELPP2		Help Needed From Another Person By Person 2
1701	HELPP3		Help Needed From Another Person By Person 3
1702	HELPP4		Help Needed From Another Person By Person 4
1703	HELPP5		Help Needed From Another Person By Person 5
1704	HELPP6		Help Needed From Another Person By Person 6
1705	HELPE1		Help Needed From Equipment By Person 1
1706	HELPE2		Help Needed From Equipment By Person 2
1707	HELPE3		Help Needed From Equipment By Person 3
1708	HELPE4		Help Needed From Equipment By Person 4
1709	HELPE5		Help Needed From Equipment By Person 5
1710	HELPE6		Help Needed From Equipment By Person 6

For All Variables, Standard Codes Are:

- 0 Not Applicable
- 1 Yes
- 2 No
- 8 Not Answered
- 9 Not Applicable

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1711	ORAIL1	78N	Handrails Would Help Person 1 Go Out More Easily	
1712	ORAIL2	79S-82S	Handrails Would Help Person 2 Go Out More Easily	
1713	ORAIL3		Handrails Would Help Person 3 Go Out More Easily	
1714	ORAIL4		Handrails Would Help Person 4 Go Out More Easily	
1715	ORAIL5		Handrails Would Help Person 5 Go Out More Easily	
1716	ORAIL6		Handrails Would Help Person 6 Go Out More Easily	
1717	IRAIL1		Extra Handrails Help Person 1 Get Around Inside House	
1718	IRAIL2		Extra Handrails Help Person 2 Get Around Inside House	
1719	IRAIL3		Extra Handrails Help Person 3 Get Around Inside House	
1720	IRAIL4		Extra Handrails Help Person 4 Get Around Inside House	
1721	IRAIL5		Extra Handrails Help Person 5 Get Around Inside House	
1722	IRAIL6		Extra Handrails Help Person 6 Get Around Inside House	

For All Variables, Standard Codes Are:

78N 79S-82S

00 0 Handrails Would Not Help
 11 1 Handrails Would Help
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: See ON01-IN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

1723	URAIL1	78N	Handrails Help Person 1 Go Up/Down Stairs More Easily	
1724	URAIL2	79S-82S	Handrails Help Person 2 Go Up/Down Stairs More Easily	
1725	URAIL3		Handrails Help Person 3 Go Up/Down Stairs More Easily	
1726	URAIL4		Handrails Help Person 4 Go Up/Down Stairs More Easily	
1727	URAIL5		Handrails Help Person 5 Go Up/Down Stairs More Easily	
1728	URAIL6		Handrails Help Person 6 Go Up/Down Stairs More Easily	

For All Variables, Standard Codes Are:

78N 79S-82S

0 0 Extra Handrails Would Not Help
 1 1 Extra Handrails Would Help
 8 Not Answered
 9 Not Answered or Not Applicable
 9 Not Applicable

Note: See UN01-UN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

1729	ORAMP1	78N	Ramp Would Help Person 1 Go Out More Easily	
1730	ORAMP2	79S-82S	Ramp Would Help Person 2 Go Out More Easily	
1731	ORAMP3		Ramp Would Help Person 3 Go Out More Easily	
1732	ORAMP4		Ramp Would Help Person 4 Go Out More Easily	
1733	ORAMP5		Ramp Would Help Person 5 Go Out More Easily	
1734	ORAMP6		Ramp Would Help Person 6 Go Out More Easily	
1735	IRAMP1		Ramp Help Person 1 Get Around Inside House	
1736	IRAMP2		Ramp Help Person 2 Get Around Inside House	
1737	IRAMP3		Ramp Help Person 3 Get Around Inside House	
1738	IRAMP4		Ramp Help Person 4 Get Around Inside House	
1739	IRAMP5		Ramp Help Person 5 Get Around Inside House	
1740	IRAMP6		Ramp Help Person 6 Get Around Inside House	

For All Variables, Standard Codes Are:

78N 79S-82S

00 0 Ramps Would Not Help
 12 2 Ramps Would Help
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: See ON01-IN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF# NAME DATES(S) DESCRIPTION NOTES

1741 URAMP1 78N Ramp Help Person 1 Go Up Or Down Stairs More Easily
 1742 URAMP2 79S-82S Ramp Help Person 2 Go Up Or Down Stairs More Easily
 1743 URAMP3 Ramp Help Person 3 Go Up Or Down Stairs More Easily
 1744 URAMP4 Ramp Help Person 4 Go Up Or Down Stairs More Easily
 1745 URAMP5 Ramp Help Person 5 Go Up Or Down Stairs More Easily
 1746 URAMP6 Ramp Help Person 6 Go Up Or Down Stairs More Easily

For All Variables, Standard Codes Are:

78N 79S-82S

0 0 Ramps Would Not Help
 2 2 Ramps Would Help
 8 Not Answered
 9 Not Answered or Not Applicable
 9 Not Answered

Note: See UN01-UN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

1747 OELEV1 78N Elevator Would Help Person 1 Go Out More Easily
 1748 OELEV2 79S-82S Elevator Would Help Person 2 Go Out More Easily
 1749 OELEV3 Elevator Would Help Person 3 Go Out More Easily
 1750 OELEV4 Elevator Would Help Person 4 Go Out More Easily
 1751 OELEV5 Elevator Would Help Person 5 Go Out More Easily
 1752 OELEV6 Elevator Would Help Person 6 Go Out More Easily
 1753 IELEV1 Elevator Help Person 1 Get Around Inside House
 1754 IELEV2 Elevator Help Person 2 Get Around Inside House
 1755 IELEV3 Elevator Help Person 3 Get Around Inside House
 1756 IELEV4 Elevator Help Person 4 Get Around Inside House
 1757 IELEV5 Elevator Help Person 5 Get Around Inside House
 1758 IELEV6 Elevator Help Person 6 Get Around Inside House

For All Variables, Standard Codes Are:

78N 79S-82S

00 0 Elevator Would Not Help
 13 3 Elevator Would Help
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: See ON01-IN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

1759 UELEV1 78N Elevator Help Person 1 Go Up Or Down Stairs More Easily
 1760 UELEV2 79S-82S Elevator Help Person 2 Go Up Or Down Stairs More Easily
 1761 UELEV3 Elevator Help Person 3 Go Up Or Down Stairs More Easily
 1762 UELEV4 Elevator Help Person 4 Go Up Or Down Stairs More Easily
 1763 UELEV5 Elevator Help Person 5 Go Up Or Down Stairs More Easily
 1764 UELEV6 Elevator Help Person 6 Go Up Or Down Stairs More Easily

For All Variables, Standard Codes Are:

78N 79S-82S

0 0 Elevator Would Not Help
 3 3 Elevator Would Help
 8 Not Answered
 9 Not Answered or Not Applicable
 9 Not Applicable

Note: See UN01-UN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1765	OWIDE1	78N	Extra Wide Doors Would Help Person 1 Go Out More Easily	
1766	OWIDE2	79S-82S	Extra Wide Doors Would Help Person 2 Go Out More Easily	
1767	OWIDE3		Extra Wide Doors Would Help Person 3 Go Out More Easily	
1768	OWIDE4		Extra Wide Doors Would Help Person 4 Go Out More Easily	
1769	OWIDE5		Extra Wide Doors Would Help Person 5 Go Out More Easily	
1770	OWIDE6		Extra Wide Doors Would Help Person 6 Go Out More Easily	
1771	IWIDE1		Wide Doors Help Person 1 Get Around Inside House	
1772	IWIDE2		Wide Doors Help Person 2 Get Around Inside House	
1773	IWIDE3		Wide Doors Help Person 3 Get Around Inside House	
1774	IWIDE4		Wide Doors Help Person 4 Get Around Inside House	
1775	IWIDE5		Wide Doors Help Person 5 Get Around Inside House	
1776	IWIDE6		Wide Doors Help Person 6 Get Around Inside House	

For All Variables, Standard Codes Are:

78N 79S-82S

00 0 Extra Wide Doors Would Not Help
 14 4 Extra Wide Doors Would Help
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: See ON01-IN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

1777	OHNDL1	78N	Door Handles Would Help Person 1 Go Out More Easily	
1778	OHNDL2	79S-82S	Door Handles Would Help Person 2 Go Out More Easily	
1779	OHNDL3		Door Handles Would Help Person 3 Go Out More Easily	
1780	OHNDL4		Door Handles Would Help Person 4 Go Out More Easily	
1781	OHNDL5		Door Handles Would Help Person 5 Go Out More Easily	
1782	OHNDL6		Door Handles Would Help Person 6 Go Out More Easily	
1783	IHNDL1		Door Handles Help Person 1 Get Around Inside House	
1784	IHNDL2		Door Handles Help Person 2 Get Around Inside House	
1785	IHNDL3		Door Handles Help Person 3 Get Around Inside House	
1786	IHNDL4		Door Handles Help Person 4 Get Around Inside House	
1787	IHNDL5		Door Handles Help Person 5 Get Around Inside House	
1788	IHNDL6		Door Handles Help Person 6 Get Around Inside House	

For All Variables, Standard Codes Are:

78N 79S-82S

00 0 Door Handles Would Not Help
 15 5 Door Handles Would Help
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: See ON01-IN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

1789	ORAIS1	78N	Raised Lettering Would Help Person 1 Go Out More Easily	
1790	ORAIS2	79S-82S	Raised Lettering Would Help Person 2 Go Out More Easily	
1791	ORAIS3		Raised Lettering Would Help Person 3 Go Out More Easily	
1792	ORAIS4		Raised Lettering Would Help Person 4 Go Out More Easily	
1793	ORAIS5		Raised Lettering Would Help Person 5 Go Out More Easily	
1794	ORAIS6		Raised Lettering Would Help Person 6 Go Out More Easily	
1795	IRAIS1		Raised Lettering Help Person 1 Get Around Inside House	
1796	IRAIS2		Raised Lettering Help Person 2 Get Around Inside House	
1797	IRAIS3		Raised Lettering Help Person 3 Get Around Inside House	
1798	IRAIS4		Raised Lettering Help Person 4 Get Around Inside House	
1799	IRAIS5		Raised Lettering Help Person 5 Get Around Inside House	
1800	IRAIS6		Raised Lettering Help Person 6 Get Around Inside House	

For All Variables, Standard Codes Are:

78N 79S-82S

00 0 Raised Lettering Would Not Help
 16 6 Raised Lettering Would Help
 98 Not Answered
 99 Not Applicable
 9 Not Answered or Not Applicable

Note: See ON01-IN06 to distinguish between Not Answered and Not Applicable in 79S-82S.

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1801	OPUSH1	78N	Push Bars Would Help Person 1 Go Out More Easily	
1802	OPUSH2	79S-82S	Push Bars Would Help Person 2 Go Out More Easily	
1803	OPUSH3		Push Bars Would Help Person 3 Go Out More Easily	
1804	OPUSH4		Push Bars Would Help Person 4 Go Out More Easily	
1805	OPUSH5		Push Bars Would Help Person 5 Go Out More Easily	
1806	OPUSH6		Push Bars Would Help Person 6 Go Out More Easily	
1807	IPUSH1		Push Bars Help Person 1 Get Around Inside House	
1808	IPUSH2		Push Bars Help Person 2 Get Around Inside House	
1809	IPUSH3		Push Bars Help Person 3 Get Around Inside House	
1810	IPUSH4		Push Bars Help Person 4 Get Around Inside House	
1811	IPUSH5		Push Bars Help Person 5 Get Around Inside House	
1812	IPUSH6		Push Bars Help Person 6 Get Around Inside House	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Push Bars Would Not Help	
			17 7 Push Bars Would Help	
			98 Not Answered	
			99 Not Applicable	
			9 Not Answered or Not Applicable	
Note: See ON01-IN06 to distinguish between Not Answered or Not Applicable in 79S-82S.				
1813	OOTHR1	78N	Other Features Would Help Person 1 Go Out More Easily	
1814	OOTHR2		Other Features Would Help Person 2 Go Out More Easily	
1815	OOTHR3		Other Features Would Help Person 3 Go Out More Easily	
1816	OOTHR4		Other Features Would Help Person 4 Go Out More Easily	
1817	OOTHR5		Other Features Would Help Person 5 Go Out More Easily	
1818	OOTHR6		Other Features Would Help Person 6 Go Out More Easily	
1819	IOTHR1		Other Features To Help Person 1 Get Around Inside House	
1820	IOTHR2		Other Features To Help Person 2 Get Around Inside House	
1821	IOTHR3		Other Features To Help Person 3 Get Around Inside House	
1822	IOTHR4		Other Features To Help Person 4 Get Around Inside House	
1823	IOTHR5		Other Features To Help Person 5 Get Around Inside House	
1824	IOTHR6		Other Features To Help Person 6 Get Around Inside House	
			For All Variables, Standard Codes Are:	
			00 Other Features Would Not Help	
			18 Other Features Would Help	
			98 Not Answered	
			99 Not Applicable	
1825	UOTHR1	78N	Other Features To Help Person 1 Go Up Or Down Stairs	
1826	UOTHR2		Other Features To Help Person 2 Go Up Or Down Stairs	
1827	UOTHR3		Other Features To Help Person 3 Go Up Or Down Stairs	
1828	UOTHR4		Other Features To Help Person 4 Go Up Or Down Stairs	
1829	UOTHR5		Other Features To Help Person 5 Go Up Or Down Stairs	
1830	UOTHR6		Other Features To Help Person 6 Go Up Or Down Stairs	
			For All Variables, Standard Codes Are:	
			0 Other Features Would Not Help	
			4 Other Features Would Help	
			8 Not Answered	
			9 Not Applicable	
1831	ON01	78N	Would Any Features Help Person 1 Go Out More Easily	
1832	ON02	79S-82S	Would Any Features Help Person 2 Go Out More Easily	
1833	ON03		Would Any Features Help Person 3 Go Out More Easily	
1834	ON04		Would Any Features Help Person 4 Go Out More Easily	
1835	ON05		Would Any Features Help Person 5 Go Out More Easily	
1836	ON06		Would Any Features Help Person 6 Go Out More Easily	
1837	IN01		No Features Help Person 1 Get Around Inside House	
1838	IN02		No Features Help Person 2 Get Around Inside House	
1839	IN03		No Features Help Person 3 Get Around Inside House	
1840	IN04		No Features Help Person 4 Get Around Inside House	
1841	IN05		No Features Help Person 5 Get Around Inside House	
1842	IN06		No Features Help Person 6 Get Around Inside House	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 00 Some Feature(s) Listed Above Would Help	
			08 Some Other Features Would Help	
			19 09 No Features Would Help	
			98 98 Not Answered	
			99 99 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1843	UN01	78N	Features Help Person 1 Go Up Or Down Stairs	
1844	UN02	79S-82S	Features Help Person 2 Go Up Or Down Stairs	
1845	UN03		Features Help Person 3 Go Up Or Down Stairs	
1846	UN04		Features Help Person 4 Go Up Or Down Stairs	
1847	UN05		Features Help Person 5 Go Up Or Down Stairs	
1848	UN06		Features Help Person 6 Go Up Or Down Stairs	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			0 0 Some Feature(s) Listed Above Would Help	
			4 4 Some Other Feature Would Help	
			5 5 No Feature Would Help	
			8 8 Not Answered	
			9 9 Not Applicable	
1849	ESINK1	78N	Sink Would Aid In Use Of Facilities By Person 1	
1850	ESINK2	79S-82S	Sink Would Aid In Use Of Facilities By Person 2	
1851	ESINK3		Sink Would Aid In Use Of Facilities By Person 3	
1852	ESINK4		Sink Would Aid In Use Of Facilities By Person 4	
1853	ESINK5		Sink Would Aid In Use Of Facilities By Person 5	
1854	ESINK6		Sink Would Aid In Use Of Facilities By Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Sinks, Etc. Would Not Help	
			11 1 Sinks, Etc. Would Help	
			98 Not Answered	
			9 9 Not Answered or Not Applicable	
			99 Not Applicable	
			Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.	
1855	ESCKT1	78N	Wall Sockets Would Aid In Use Of Facilities By Person 1	
1856	ESCKT2	79S-82S	Wall Sockets Would Aid In Use Of Facilities By Person 2	
1857	ESCKT3		Wall Sockets Would Aid In Use Of Facilities By Person 3	
1858	ESCKT4		Wall Sockets Would Aid In Use Of Facilities By Person 4	
1859	ESCKT5		Wall Sockets Would Aid In Use Of Facilities By Person 5	
1860	ESCKT6		Wall Sockets Would Aid In Use Of Facilities By Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Wall Sockets Would Not Help	
			12 2 Wall Sockets Would Help	
			98 Not Answered	
			9 9 Not Answered or Not Applicable	
			99 Not Applicable	
			Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.	
1861	EBATH1	78N	Redesigned Bathroom Wld Aid In Use Of Fac by Person 1	
1862	EBATH2	79S-82S	Redesigned Bathroom Wld Aid In Use Of Fac by Person 2	
1863	EBATH3		Redesigned Bathroom Wld Aid In Use Of Fac by Person 3	
1864	EBATH4		Redesigned Bathroom Wld Aid In Use Of Fac by Person 4	
1865	EBATH5		Redesigned Bathroom Wld Aid In Use Of Fac by Person 5	
1866	EBATH6		Redesigned Bathroom Wld Aid In Use Of Fac by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Redesigned Bathroom Would Not Help	
			13 3 Redesigned Bathroom Would Help	
			98 Not Answered	
			9 9 Not Answered or Not Applicable	
			99 Not Applicable	
			Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1867	EHNDL1	78N	Door Handles Wld Aid In Use Of Facilities by Person 1	
1868	EHNDL2	79S-82S	Door Handles Wld Aid In Use Of Facilities by Person 2	
1869	EHNDL3		Door Handles Wld Aid In Use Of Facilities by Person 3	
1870	EHNDL4		Door Handles Wld Aid In Use Of Facilities by Person 4	
1871	EHNDL5		Door Handles Wld Aid In Use Of Facilities by Person 5	
1872	EHNDL6		Door Handles Wld Aid In Use Of Facilities by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Door Handles Would Not Help	
			14 4 Door Handles Would Help	
			98 Not Answered	
			9 Not Answered or Not Applicable	
			99 Not Applicable	
Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.				
1873	ERAIS1	78N	Raised Letters Wld Aid In Use Of Facilities by Person 1	
1874	ERAIS2	79S-82S	Raised Letters Wld Aid In Use Of Facilities by Person 2	
1875	ERAIS3		Raised Letters Wld Aid In Use Of Facilities by Person 3	
1876	ERAIS4		Raised Letters Wld Aid In Use Of Facilities by Person 4	
1877	ERAIS5		Raised Letters Wld Aid In Use Of Facilities by Person 5	
1878	ERAIS6		Raised Letters Wld Aid In Use Of Facilities by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Raised Lettering Would Not Help	
			15 5 Raised Lettering Would Help	
			98 Not Answered	
			9 Not Answered or Not Applicable	
			99 Not Applicable	
Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.				
1879	EPUSH1	78N	Push Bars Wld Aid In Use Of Facilities by Person 1	
1880	EPUSH2	79S-82S	Push Bars Wld Aid In Use Of Facilities by Person 2	
1881	EPUSH3		Push Bars Wld Aid In Use Of Facilities by Person 3	
1882	EPUSH4		Push Bars Wld Aid In Use Of Facilities by Person 4	
1883	EPUSH5		Push Bars Wld Aid In Use Of Facilities by Person 5	
1884	EPUSH6		Push Bars Wld Aid In Use Of Facilities by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Push Bars Would Not Help	
			16 6 Push Bars Would Help	
			98 Not Answered	
			9 Not Answered or Not Applicable	
			99 Not Applicable	
Note: See EN01-EN06 to distinguish between Not Answered or Not Applicable in 79S-82S.				
1885	EPHON1	78N	Special Phone Wld Aid In Use Of Facilities by Person 1	
1886	EPHON2	79S-82S	Special Phone Wld Aid In Use Of Facilities by Person 2	
1887	EPHON3		Special Phone Wld Aid In Use Of Facilities by Person 3	
1888	EPHON4		Special Phone Wld Aid In Use Of Facilities by Person 4	
1889	EPHON5		Special Phone Wld Aid In Use Of Facilities by Person 5	
1890	EPHON6		Special Phone Wld Aid In Use Of Facilities by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N</u> <u>79S-82S</u>	
			00 0 Special Telephone Would Not Help	
			17 7 Special Telephone Would Help	
			98 Not Answered	
			9 Not Answered or Not Applicable	
			99 Not Applicable	
Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.				

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1891	EFLAS1	78N	Flashing Lights Wld Aid In Use Of Fac by Person 1	
1892	EFLAS2	79S-82S	Flashing Lights Wld Aid In Use Of Fac by Person 2	
1893	EFLAS3		Flashing Lights Wld Aid In Use Of Fac by Person 3	
1894	EFLAS4		Flashing Lights Wld Aid In Use Of Fac by Person 4	
1895	EFLAS5		Flashing Lights Wld Aid In Use Of Fac by Person 5	
1896	EFLAS6		Flashing Lights Wld Aid In Use Of Fac by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N 79S-82S</u>	
			00 0 Flashing Lights Would Not Help	
			18 8 Flashing Lights Would Help	
			98 Not Answered	
			9 Not Answered or Not Applicable	
			99 Not Applicable	
Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.				
1897	ERAIL1	78N	Extra Handrails Wld Aid In Use Of Fac by Person 1	
1898	ERAIL2	79S-82S	Extra Handrails Wld Aid In Use Of Fac by Person 2	
1899	ERAIL3		Extra Handrails Wld Aid In Use Of Fac by Person 3	
1900	ERAIL4		Extra Handrails Wld Aid In Use Of Fac by Person 4	
1901	ERAIL5		Extra Handrails Wld Aid In Use Of Fac by Person 5	
1902	ERAIL6		Extra Handrails Wld Aid In Use Of Fac by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N 79S-82S</u>	
			00 00 Extra Handrails Would Not Help	
			19 09 Extra Handrails Would Help	
			98 Not Answered	
			99 Not Answered or Not Applicable	
			99 Not Applicable	
Note: See EN01-EN06 to distinguish between Not Answered and Not Applicable in 79S-82S.				
1903	EOTHR1	78N	Other Feature(s) Wld Aid In Use Of Fac by Person 1	
1904	EOTHR2		Other Feature(s) Wld Aid In Use Of Fac by Person 2	
1905	EOTHR3		Other Feature(s) Wld Aid In Use Of Fac by Person 3	
1906	EOTHR4		Other Feature(s) Wld Aid In Use Of Fac by Person 4	
1907	EOTHR5		Other Feature(s) Wld Aid In Use Of Fac by Person 5	
1908	EOTHR6		Other Feature(s) Wld Aid In Use Of Fac by Person 6	
			For All Variables, Standard Codes Are:	
			00 Other Features Would Not Help	
			20 Other Feature Would Help	
			98 Not Answered	
			99 Not Applicable	
1909	EN01	78N	No Feature Wld Aid In Use Of Facilities by Person 1	
1910	EN02	79S-82S	No Feature Wld Aid In Use Of Facilities by Person 2	
1911	EN03		No Feature Wld Aid In Use Of Facilities by Person 3	
1912	EN04		No Feature Wld Aid In Use Of Facilities by Person 4	
1913	EN05		No Feature Wld Aid In Use Of Facilities by Person 5	
1914	EN06		No Feature Wld Aid In Use Of Facilities by Person 6	
			For All Variables, Standard Codes Are:	
			<u>78N 79S-82S</u>	
			00 00 Some Feature Listed Above Would Help	
			10 Some Other Feature Would Help	
			21 11 No Feature Would Help	
			98 98 Not Answered	
			99 99 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey



Data on vehicles and appliances purchased and owned by the household is collected in the "Purchase and Ownership" Supplement. These data are available for the National Survey in 1973 and 1974 only. Only the 1974 Survey is currently documented here at this time. The 1973 Survey will be documented here at some time in the future. Variables are essentially similar in 1973 and 1974. If you are interested in more information, please call AHSDP User Services at (617) 497-7182. In both years, these questions were only asked on one third of the national cases. The cases were randomly selected, so the data are representative of the entire country.

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1915	KINDV1	74N	Type Of Vehicle Owned (Vehicle 1 of 4)	
1916	KINDV2		Type Of Vehicle Owned (Vehicle 2 of 4)	
1917	KINDV3		Type Of Vehicle Owned (Vehicle 3 of 4)	
1918	KINDV4		Type Of Vehicle Owned (Vehicle 4 of 4)	
			1 Car, Station Wagon	
			2 Pickup Truck	
			3 Passenger Van (With Windows)	
			4 Motor Home (Self Contained)	
			5 Other Vehicle	
			8 Not Answered	
			9 Not Applicable	
			Note: Order of variables: first newest vehicle, second newest vehicle, etc.	
1919	MODYR1	74N	Model Year (Vehicle 1 of 4)	
1920	MODYR2		Model Year (Vehicle 2 of 4)	
1921	MODYR3		Model Year (Vehicle 3 of 4)	
1922	MODYR4		Model Year (Vehicle 4 of 4)	
			00-75 1900-1975	
			98 Not Answered	
			99 Not Applicable	
1923	NMCYL1	74N	Number of Cylinders (Vehicle 1 of 4)	
1924	NMCYL2		Number of Cylinders (Vehicle 2 of 4)	
1925	NMCYL3		Number of Cylinders (Vehicle 3 of 4)	
1926	NMCYL4		Number of Cylinders (Vehicle 4 of 4)	
			0 Number Not Reported	
			1 None (Rotary)	
			2 Four	
			3 Six	
			4 Eight	
			8 Not Answered	
			9 Not Applicable	
1927	NEWV1	74N	Vehicle Purchased New Or Used (Vehicle 1 of 4)	
1928	NEWV2		Vehicle Purchased New Or Used (Vehicle 2 of 4)	
1929	NEWV3		Vehicle Purchased New Or Used (Vehicle 3 of 4)	
1930	NEWV4		Vehicle Purchased New Or Used (Vehicle 4 of 4)	
			1 New	
			2 Used	
			8 Not Answered	
			9 Not Applicable	
1931	BUYV1	74N	Purchased From Auto Dealer Or Private Party (Vehicle 1)	
1932	BUYV2		Purchased From Auto Dealer Or Private Party (Vehicle 2)	
1933	BUYV3		Purchased From Auto Dealer Or Private Party (Vehicle 3)	
1934	BUYV4		Purchased From Auto Dealer Or Private Party (Vehicle 4)	
			1 Auto Dealer	
			2 Private Party	
			8 Not Answered	
			9 Not Applicable	
1935	BUSV1	74N	Used For Any Businss Prpse Oth Than Work Commuting (V1)	
1936	BUSV2		Used For Any Businss Prpse Oth Than Work Commuting (V2)	
1937	BUSV3		Used For Any Businss Prpse Oth Than Work Commuting (V3)	
1938	BUSV4		Used For Any Businss Prpse Oth Than Work Commuting (V4)	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
1939	DRVYR1	74N	Thousands Of Miles Driven During Past 12 Months (Veh 1)	
1940	DRVYR2		Thousands Of Miles Driven During Past 12 Months (Veh 2)	
1941	DRVYR3		Thousands Of Miles Driven During Past 12 Months (Veh 3)	
1942	DRVYR4		Thousands Of Miles Driven During Past 12 Months (Veh 4)	
			00 Under 1000 Miles	
			01-97 1-97,000 Miles	
			98 Not Answered	
			99 Not Applicable	
			Note: Data are in thousands of miles.	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1943	DRIVE1	74N	Thousands Of Miles Driven Since Purchase (Vehicle 1)	
1944	DRIVE2		Thousands Of Miles Driven Since Purchase (Vehicle 2)	
1945	DRIVE3		Thousands Of Miles Driven Since Purchase (Vehicle 3)	
1946	DRIVE4		Thousands Of Miles Driven Since Purchase (Vehicle 4)	
			000 Under 100 Miles	
			001-997 1-997,000 Miles	
			998 Not Answered	
			999 Not Applicable	
			Note: Data are in thousands of miles.	
1947	PRCBP1	74N	Percent Mileage For Business Purposes (Vehicle 1 of 4)	
1948	PRCBP2		Percent Mileage For Business Purposes (Vehicle 2 of 4)	
1949	PRCBP3		Percent Mileage For Business Purposes (Vehicle 3 of 4)	
1950	PRCBP4		Percent Mileage For Business Purposes (Vehicle 4 of 4)	
			001-100 1 To 100%	
			998 Not Answered	
			999 Not Applicable	
1951	VINYR1	74N	Purchased In The Past 12 Months (Vehicle 1 of 4)	
1952	VINYR2		Purchased In The Past 12 Months (Vehicle 2 of 4)	
1953	VINYR3		Purchased In The Past 12 Months (Vehicle 3 of 4)	
1954	VINYR4		Purchased In The Past 12 Months (Vehicle 4 of 4)	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
1955	YRBUYV1	74N	Year Purchased (Vehicle 1 of 4)	
1956	YRBUYV2		Year Purchased (Vehicle 2 of 4)	
1957	YRBUYV3		Year Purchased (Vehicle 3 of 4)	
1958	YRBUYV4		Year Purchased (Vehicle 4 of 4)	
			00 Model Year Not Reported	
			01-75 1901-1975	
			98 Not Answered	
			99 Not Applicable	
1959	MBUYV1	74N	Month Of Purchase (Vehicle 1 of 4)	
1960	MBUYV2		Month Of Purchase (Vehicle 2 of 4)	
1961	MBUYV3		Month Of Purchase (Vehicle 3 of 4)	
1962	MBUYV4		Month Of Purchase (Vehicle 4 of 4)	
			01-12 January-December	
			98 Not Answered	
			99 Not Applicable	
1963	COSTV1	74N	Cost After Deduction For Trade-In (Vehicle 1 of 4)	
1964	COSTV2		Cost After Deduction For Trade-In (Vehicle 2 of 4)	
1965	COSTV3		Cost After Deduction For Trade-In (Vehicle 3 of 4)	
1966	COSTV4		Cost After Deduction For Trade-In (Vehicle 4 of 4)	
			0-25000 \$0-\$25000	
			99998 Not Answered	
			99999 Not Applicable	
1967	TRADE1	74N	Amount Of Trade-In Allowance (Vehicle 1 of 4)	
1968	TRADE2		Amount Of Trade-In Allowance (Vehicle 2 of 4)	
1969	TRADE3		Amount Of Trade-In Allowance (Vehicle 3 of 4)	
1970	TRADE4		Amount Of Trade-In Allowance (Vehicle 4 of 4)	
			1 No Trade In	
			0002-9997 \$2-\$9997	
			9998 Not Answered	
			9999 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1971	OWNIN1	74N	Did You Own Vehicle 1 Traded-In 12 Months Ago	
1972	OWNIN2		Did You Own Vehicle 2 Traded-In 12 Months Ago	
1973	OWNIN3		Did You Own Vehicle 3 Traded-In 12 Months Ago	
1974	OWNIN4		Did You Own Vehicle 4 Traded-In 12 Months Ago	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
1975	OLDV1	74N	Type Of Vehicle Traded-In (Vehicle 1 of 4)	
1976	OLDV2		Type Of Vehicle Traded-In (Vehicle 2 of 4)	
1977	OLDV3		Type Of Vehicle Traded-In (Vehicle 3 of 4)	
1978	OLDV4		Type Of Vehicle Traded-In (Vehicle 4 of 4)	
			1 Car, Station Wagon	
			2 Pick Up Truck	
			3 Passenger Van (With Windows)	
			4 Motor Home (Self Contained)	
			5 Other Vehicle	
			8 Not Answered	
			9 Not Applicable	
1979	MODV1	74N	Model Year Of Vehicle Traded-In (Vehicle 1 of 4)	
1980	MODV2		Model Year Of Vehicle Traded-In (Vehicle 2 of 4)	
1981	MODV3		Model Year Of Vehicle Traded-In (Vehicle 3 of 4)	
1982	MODV4		Model Year Of Vehicle Traded-In (Vehicle 4 of 4)	
			00 Model Year Not Reported	
			01-75 1901-1975	
			98 Not Answered	
			99 Not Applicable	
1983	CYLVN1	74N	Number Of Cylinders For Trade-In Vehicle 1	
1984	CYLVN2		Number Of Cylinders For Trade-In Vehicle 2	
1985	CYLVN3		Number Of Cylinders For Trade-In Vehicle 3	
1986	CYLVN4		Number Of Cylinders For Trade-In Vehicle 4	
			1 None (Rotary)	
			2 Four	
			3 Six	
			4 Eight	
			8 Not Answered	
			9 Not Applicable	
1987	SOLDV	74N	Sold Or Otherwise Disposed Of A Vehicle Last 12 Mo	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
			Note: Does not include vehicles traded-in.	
1988	OWNYRV	74N	Did You Own This Vehicle 12 Months Ago	
			1 Yes	
			2 No	
			8 Not Answered	
			9 Not Applicable	
			Note: Applies to most recently disposed of vehicle.	
1989	KINDV	74N	Type Of Vehicle Sold Or Otherwise Disposed Of	
			1 Car, Station Wagon	
			2 Pick Up Truck	
			3 Passenger Van (With Windows)	
			4 Motor Home (Self Contained)	
			5 Other Vehicle	
			8 Not Answered	
			9 Not Applicable	
			Note: Applies to most recently disposed of vehicle.	
1990	MODYRV	74N	Model Yr Of Vehicle Most Rec'ly Sold Or Othwse Disposed	
			00 Model Year Not Reported	
			00-75 1900-1975	
			98 Not Answered	
			99 Not Applicable	

REF#	NAME	DATES(S)	DESCRIPTION	NOTES
1991	NUMCYL	74N	# Of Cyl For Veh Most Recently Sold/Otherwise Disposed 0 Number Not Reported 1 None (Rotary) 2 Four 3 Six 4 Eight 8 Not Answered 9 Not Applicable	
1992	BUYAIR	74N	Purchased Room Air Conditioner In Past 12 Months 1 Yes, 1 2 Yes, 2 Or More 3 No 8 Not Answered 9 Not Applicable	
1993	NWAIR1	74N	Room Air Conditioning Unit 1 Purchased New Or Used	
1994	NWAIR2		Room Air Conditioning Unit 2 Purchased New Or Used 1 New 2 Used 8 Not Answered 9 Not Applicable	
1995	CSTAR1	74N	Cost Of Room Air Conditioner (Unit 1)	
1996	CSTAR2		Cost Of Room Air Conditioner (Unit 2) 000 Cost Not Reported 50-750 \$50-\$750 998 Not Answered 999 Not Applicable	
1997	TVBW	74N	Number of Black And White Television Sets In House 1 None 2 One 3 Two 4 Three Or More 8 Not Answered 9 Not Applicable	
1998	TVCOL	74N	Number of Color Television Sets In House 1 None 2 One 3 Two 4 Three Or More 8 Not Answered 9 Not Applicable	
1999	BUYTV	74N	Television Set Purchased In Last 12 Months 1 Yes, 1 2 Yes, 2 Or More 3 No 8 Not Answered 9 Not Applicable	
2000	BWTV1	74N	TV Purchased Is Black & White Or Color (Set 1 of 2)	
2001	BWTV2		TV Purchased Is Black & White Or Color (Set 2 of 2) 1 Black & White 2 Color 8 Not Answered 9 Not Applicable	

Notes: A = Variable subject to allocation (see Section on Allocation Variables)
 C = Core variable (For National Surveys only)
 N = National Survey
 S = SMSA Survey

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
2002	NEWTV1	74N	Television Set	Purchased New Or Used (Set 1 of 2)
2003	NEWTV2		Television Set	Purchased New Or Used (Set 2 of 2)
			1	New
			2	Used
			8	Not Answered
			9	Not Applicable
2004	TV1CST	74N	Cost Of Television Set	(Set 1 of 2)
2005	TV2CST		Cost Of Television Set	(Set 2 of 2)
			000	Cost Not Reported
			025-900	\$25-\$900
			9998	Not Answered
			9999	Not Applicable
2006	REFRIG	74N	Refrigerator,	Owned Or Furnished By Someone Else
			1	Yes
			2	No
			8	Not Answered
			9	Not Applicable
2007	RFGOWN	74N	Refrigerator	Purchased New Or Used
			1	Furnished
			2	Owned, Not Purchased In Last 12 Months
			3	New, Purchased In Last 12 Months
			4	Used, Purchased In Last 12 Months
			8	Not Answered
			9	Not Applicable
2008	RFGCST	74N	Cost of Refrigerator	
			000	Cost Not Reported
			050-750	\$50 To \$750
			998	Not Answered
			999	Not Applicable
2009	WASHER	74N	Washing Machine,	Owned Or Furnished By Someone Else
			1	Yes
			2	No
			8	Not Answered
			9	Not Applicable
2010	WSHOWN	74N	Washing Machine	Purchased New Or Used
			1	Furnished
			2	Owned, Not Purchased In Last 12 Months
			3	New, Purchased In Last 12 Months
			4	Used, Purchased In Last 12 Months
			8	Not Answered
			9	Not Applicable
2011	WSHCST	74N	Cost of Washing Machine	
			000	Cost Not Reported
			050-750	\$50 to \$750
			998	Not Answered
			999	Not Applicable
2012	DRYER	74N	Clothes Dryer	Owned Or Furnished By Someone Else
			1	Yes
			2	No
			8	Not Answered
			9	Not Applicable
2013	DRYOWN	74N	Clothes Dryer	Purchased New Or Used
			1	Furnished
			2	Owned, Not Purchased In Last 12 Months
			3	New, Purchased In Last 12 Months
			4	Used, Purchased In Last 12 Months
			8	Not Answered
			9	Not Applicable

<u>REF#</u>	<u>NAME</u>	<u>DATES(S)</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
2014	DRYCST	74N	Cost of Clothes Dryer 000 Cost Not Reported 50-750 \$50-\$750 998 Not Answered 999 Not Applicable	
2015	DISHER	74N	Dishwasher, Owned Or Furnished By Someone Else 1 Yes 2 No 8 Not Answered 9 Not Applicable	
2016	DSHOWN	74N	Is Dishwasher Owned Or Furnished By Someone Else 1 Furnished 2 Owned, Not Purchased In Last 12 Months 3 New, Purchased In Last 12 Months 4 Used, Purchased In Last 12 Months 8 Not Answered 9 Not Applicable	
2017	DSHCST	74N	Cost of Dishwasher 000 Cost Not Reported 50-750 \$50-\$750 998 Not Answered 999 Not Applicable	
2018	FREEZ	74N	Separate Freezer, Owned Or Furnished By Someone Else 1 Yes 2 No 8 Not Answered 9 Not Applicable	
2019	FRZOWN	74N	Separate Freezer Purchased New Or Used 1 Furnished 2 Owned, Not Purchased In Last 12 Months 3 New, Purchased In Last 12 Months 4 Used, Purchased In Last 12 Months 8 Not Answered 9 Not Applicable	
2020	FRZCST	74N	Cost Of Separate Freezer 000 Cost Not Reported 050-750 \$50 To \$750 998 Not Answered 999 Not Applicable	
2021	KIT	74N	Kitchen Range, Owned or Furnished By Someone Else 1 Yes 2 No 8 Not Answered 9 Not Applicable	
2022	KITOWN	74N	Kitchen Range Purchased New Or Used 1 Furnished 2 Owned, Not Purchased In Last 12 Months 3 New, Purchased In Last 12 Months 4 Used, Purchased In Last 12 Months 8 Not Answered 9 Not Applicable	
2023	KITCST	74N	Cost Of Kitchen Range 000 Cost Not Reported 050-750 \$50 To \$750 998 Not Answered 999 Not Applicable	

SAMPLE PAGES FROM THE
ANNUAL HOUSING SURVEY
CONTROL CARD

O.M.B. No. 2528-0017; Approval Expires 3-31-83

NOTICE - All information which would permit identification of the individual is held in strict confidence, by law, under United States Code title 13, section 9(a). It may be seen only by sworn census employees and may be used only for statistical purposes.

FORM AHS-1 (2-2-81)

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

CONTROL CARD ANNUAL HOUSING SURVEY - NATIONAL

(name) from the United States Bureau of the Census. Here is my identification card. We are taking a and all over the country. I have some questions I would like to ask you."

MS 7 AND 8 FOR AREA SEGMENTS ONLY

9 LIVING QUARTERS

8 ASK:

a. Are there any occupied or vacant living quarters besides your own in this building? Y N *Fill Table X*

b. Are there any occupied or vacant living quarters besides your own on this floor? Y N *Fill Table X*

c. Is there any other building on this property for people to live in - either occupied or vacant? Y N *Fill Table X*

d. None

a. Access
1 Direct 2 Through another unit

b. HOUSING unit
1 House, apartment, flat
2 HU, in nontransient hotel, motel, etc.
3 HU, permanent in transient hotel, motel, etc.
4 HU, in rooming house
5 Mobile home or trailer with NO permanent room added
6 Mobile home or trailer with one or more permanent rooms added
7 HU not specified above (*Describe in notes*)

c. OTHER unit (Treat as Type B noninterview)
8 Quarters not HU in rooming or boarding house
9 Unit not permanent in transient hotel, motel, etc.
10 Unoccupied tent site or trailer site
11 OTHER unit not specified above (*Describe in notes*)

} Go to AHS-2

15 MARITAL STATUS
For persons 14 yrs. +
Is . . . now married, widowed, divorced, separated, or has . . . never been married?
M., Wd., D., Sep., or NM

16. What is the race of each person in this household? (Show flashcard C)
1 - White
2 - Black
4 - Asian, Pacific Islander
5 - American Indian, Aleut, Eskimo
6 - Other - Specify below
ENTER CODE

17. SEX
Circle
M - Male
or
F - Female

18. CHANGES IN HOUSEHOLD COMPOSITION
(Enter date you discovered the change and reason for change) Continue in notes if necessary

Line No.	M	F
1		
2		
3		
4		
5		
6		
7		
8		
9		

12	83	84

or year) of regular school (n) has COMPLETED?

Grade (or year) of reference person had entry from previous

8th 12th
 9th
 10th
 11th
(mic year)

C4 C5 C6 or more

UPDATE IF REFERENCE PERSON HAS CHANGED

20. What is . . . 's (Reference person) origin or descent? (SHOW flashcard A)

1 Mexican American
2 Chicano
3 Mexican
4 Mexicano
5 Puerto Rican
6 Cuban
7 Central or South American
8 Other Spanish - Specify _____
9 Other - Specify _____

UPDATE IF REFERENCE PERSON HAS CHANGED OR HOUSEHOLD IS URE

21. When did . . . (Reference person) move into this house (apartment)?
After April 1, 1970

Month (01-12) / Year

OR

1 1965 to April 1, 1970
2 1960 to 1964
3 1950 to 1959
4 1949 or earlier

} Go to AHS-2

38a USE OF TELEPHONE Is there a telephone on which you can be called? <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 38c	b. What is the telephone number? (Include area code) () Number	c. When is the best time for an interview? <div style="text-align: right;">a.m. p.m.</div>
---	---	--

39 Month and year (example 10 '81)	40 RECORD OF VISITS AND TELEPHONE INTERVIEWS								Supervisor's us O = Observed R = Reinterview g.	
	Tally of personal visits a.	Tally of telephone callbacks b.	Occupancy status c.			Noninterview reason code d.	Unit boarded-up e.			Notes f.
			Reg. Occu.	Vac.	URE Occu.		Yes	No		

42. FILL FOR EXTRA UNITS

a. Control number of original sample unit _____	b. If in area segment, enter for FIRST unit listed on property Listing sheet _____ Line _____
--	--

TABLE X - LIVING QUARTERS DETAIL			
Line No.	LOCATION OF UNIT Where are these quarters located? <i>Enter exact description or location; e.g., basement; 2nd floor, rear</i>	<ul style="list-style-type: none"> ● If listed, enter sheet and line number, STOP Table X, and continue interview for original sample unit ● If unlisted, go to (4) 	<ul style="list-style-type: none"> ● If outside AREA SEGMENT boundary, mark box below, STOP Table X, and go to CC item 8 or 9 (as applicable)
(1)	(2)	(3)	(4)
1		S _____ L _____	<input type="checkbox"/> Outside segment boundary
2		S _____ L _____	<input type="checkbox"/> Outside segment boundary
3		S _____ L _____	<input type="checkbox"/> Outside segment boundary
4		S _____ L _____	<input type="checkbox"/> Outside segment boundary
5		S _____ L _____	<input type="checkbox"/> Outside segment boundary

CONTROL CARD ITEMS TO BE FILLED FOR VACANT INTERVIEWS	Items 5a and b Item 6 Item 7 (if applicable) Item 8 (if applicable) Item 9	Item 39 Item 40 (if applicable) NOTE - Enter the name, address, and phone number of the person providing the information in the Notes space.	COI CAI ITE FIL NOI VIE
--	--	--	--

Notes

41. NONINTERVIEW REASON CODES (Transcribe to item 40d)			
n. n.	TYPE A	TYPE B	TYPE C
1	No one home	10 - Unit for nonresidential use (e.g., business, school, or commercial storage)	30 - Unit eliminated in structural conversion
2	Temporarily absent	11 - OTHER unit, except unoccupied site for mobile home or tent	31 - Demolished
3	Refused	12 - Unoccupied site for mobile home or tent	32 - Disaster loss (flood, tornado, etc.)
4	Unable to locate	13 - Under construction - not ready	33 - Disaster loss - fire
5	Other occupied - <i>Specify in 40d</i>	14 - Scheduled to be demolished	34 - House or mobile home moved
		15 - Condemned or occupancy prohibited by law	35 - Merged - not in current sample
		16 - Interior exposed to the elements	36 - Built after April 1, 1970
		17 - Unit severely damaged by fire	37 - Other - <i>Specify in 40d</i>
		18 - Other - <i>Specify in 40d</i>	
		PERMIT SEGMENTS ONLY	PERMIT SEGMENTS ONLY
		19 - Permit granted - construction not started	38 - Unused permit - abandoned

Fill item 40e

TERMINATIONS AT LISTED ADDRESS

Are these (Specify location) quarters for more than one group of people? If "Yes," fill one line for each group (5)	USE OR CHARACTERISTICS				CLASSIFICATION		
	OCCUPIED		ALL QUARTERS		N - Not a separate unit - (Add occupants to this Control Card) HU } Separate unit - OT } (Interview on a separate Control Card) (9)		
	Do the occupants of these (Specify location) quarters live and eat with any other group of people? (6)		Do these quarters in (Specify location) have: Direct access from the outside or through a common hall? (7)				
Yes No	Yes - Go to (9) and circle N	No	Yes No	Yes No	N	HU	OT
Yes No	Yes - Go to (9) and circle N	No	Yes No	Yes No	N	HU	OT
Yes No	Yes - Go to (9) and circle N	No	Yes No	Yes No	N	HU	OT
Yes No	Yes - Go to (9) and circle N	No	Yes No	Yes No	N	HU	OT
Yes No	Yes - Go to (9) and circle N	No	Yes No	Yes No	N	HU	OT

Interview for original sample unit.

CONTROL CARD ITEMS TO BE FILLED FOR NONINTERVIEWS	TYPE A	TYPE B	TYPE C
	Item 7 (if applicable) Item 9 Item 39 Items 40a-d	Item 7 (if applicable) Items 8a-c (if applicable) Item 9 Item 39 Items 40a and d Item 40e (if applicable)	Item 8c (if applicable) Item 39 Items 40a and d

SAMPLE PAGES FROM THE
ANNUAL HOUSING SURVEY
QUESTIONNAIRE

PGM 2 ↓

1. Control number (cc 1) PSU Segment Serial	2. Sample (cc 4) (Circle one) F F 1 or 2	Office use only (Ch. Dg.)	NOTICE - All information which would permit identification of the individual will be held in strict confidence by law, under U.S. Code, title 13, section 9a. It may be seen only by sworn Census employees and may be used only for statistical purposes.
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FORM **AHS-2**
(2-6-81)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
ACTING AS COLLECTING AGENT FOR
DEPARTMENT OF HOUSING AND
URBAN DEVELOPMENT

ANNUAL HOUSING SURVEY

NATIONAL SAMPLE - 1981

3. Household No. (cc 2)	4. Type of segment (cc 3) 1 <input type="checkbox"/> Area 2 <input type="checkbox"/> Address 3 <input type="checkbox"/> Permit 4 <input type="checkbox"/> Special place 5 <input type="checkbox"/> Cen-Sup	5a. Interviewer name 5b. Code 5c. Date of first visit Month Day Year _____ 5d. Date interview completed Month Day Year _____	5e. Line No. of HH respondent (cc 10) _____	6. LAND USE RURAL (001) 1 <input type="checkbox"/> Reg. units OR Sp. Pl. units coded 85-88 in Control Card item 5c 2 <input type="checkbox"/> Sp. Pl. units not coded 85-88 in Control Card item 5c URBAN 3 <input type="checkbox"/> All Reg. and Sp. Pl. units
--------------------------------	--	---	---	--

7a. Status of control number (002) 1 <input type="checkbox"/> Control number in sample last enumeration period - Skip to item 8 <input type="checkbox"/> Control number in sample for first time this enumeration period - Fill item 7b b. Reason for adding control number (002) 2 <input type="checkbox"/> New construction 6 <input type="checkbox"/> Conversion of nonresidential unit 3 <input type="checkbox"/> Mobile home moved in 7 <input type="checkbox"/> Other - Specify 4 <input type="checkbox"/> House moved in 5 <input type="checkbox"/> Unit resulted from structural conversion	8. Type of interview Interview (003) 1 <input type="checkbox"/> Regular - (One or more "Y's" in cc 11c) 2 <input type="checkbox"/> URE - (All "N's" in cc 11c) } Skip to Section II, page 3 3 <input type="checkbox"/> Vacant 4 <input type="checkbox"/> Noninterview - Skip to Check Item AA, page 47
--	--

Section I (TRANSCRIBE FROM CONTROL CARD)

9. Reason for noninterview (cc 40d)

a. Type A

(004) 1 No one home
 2 Temporarily absent
 3 Refused
 4 Unable to locate
 5 Other occupied - Specify

b. Type B

(004) 10 Unit for nonresidential use (e.g., business, school, or commercial storage) } Fill item 9e
 11 OTHER unit, except unoccupied site for mobile home or tent
 12 Unoccupied site for mobile home or tent
 13 Under construction - not ready
 14 Scheduled to be demolished } Fill items 9d and e
 15 Condemned or occupancy prohibited by law
 16 Interior exposed to the elements
 17 Unit severely damaged by fire
 18 Other - Specify

19 Permit granted - construction not started

9. Reason for noninterview (cc 40d) - Continued

c. Type C

(004) 30 Unit eliminated in structural conversion
 31 Demolished
 32 Disaster loss (flood, tornado, etc.)
 33 Disaster loss - fire
 34 House or mobile home moved
 35 Merged - not in current sample
 36 Built after April 1, 1970
 37 Other - Specify

38 Unused permit - abandoned
 (Fill for applicable Type B's only)

d. Unit boarded-up (cc 40e)

(005) 1 Yes
 2 No
 (Fill for applicable Type B's only)

e. Status of structure (Item 6, Form AHS-397)

(006) 1 Structure currently has no housing units
 2 Structure currently has one or more housing units

Section I - Continued (TRANSCRIBE FROM CONTROL CARD)

10. Structure originally built (cc 6)

April 1, 1970 or later

(007)

Month (01-12)	Year
---------------	------

OR

(007) 1 1969 to March 31, 1970

2 1965-1968

3 1960-1964

4 1950-1959

5 1940-1949

6 1939 or earlier

x

12. Type of living quarters (cc 9b and c)

HOUSING UNIT

(009) 1 House, apartment, flat

2 HU in nontransient hotel, motel, etc.

3 HU permanent in transient hotel, motel, etc.

4 HU in rooming house

5 Mobile home or trailer with NO permanent room added

6 Mobile home or trailer WITH one or more permanent rooms added

7 HU not specified above - Specify

OTHER UNIT (Treat as Type B Noninterview)

8 Quarters not HU in rooming or boarding house

9 Unit not permanent in transient hotel, motel, etc.

10 Unoccupied tent site or trailer site

11 OTHER unit not specified above - Specify

11. Access (cc 9a)

(008) 1 Direct

2 Through another unit

13. Occupancy status (cc 40c)

(010) 1 Occupied (Regular interview) - Skip to section IVA, page 10 .

2 Vacant - Skip to section XIII, page 48

3 URE - Skip to section IVA, page 10

NOTES

QUESTIONNAIRE ITEMS TO BE FILLED FOR NONINTERVIEWS AND VACANT INTERVIEWS

NONINTERVIEWS			VACANT INTERVIEWS
TYPE A	TYPE B	TYPE C	
I.D. Items 1 and 2* 3-5e** 6-8 Section I items 9a 11 12 13 Section XII, page 47 Section XIII, page 48	I.D. Items 1 and 2* 3-5e** 6-8 Section I items 9b 9d and e (Where appropriate) 11 12 Section XII, page 47 Section XIII, page 48	I.D. Items 1 and 2* 3-5e** 6-8 Section I items 9c Section XII, page 47 Section XIII, page 48	I.D. Items 1 and 2* 3-8** Section I items 10-13 Section II, pages 3-4 Section III, pages 5-9 Section XII, page 47 Section XIII, page 48

*NOTE - Fill items 1 and 2 only if AHS-2 is not labeled or if control number on label is incorrect.

**NOTE - In item 5e enter the relationship of the person providing the information for the noninterview or vacant; e.g., manager, agent, or neighbor. If no one was consulted, leave item 5e blank.

Section II – CHECKLIST FOR REGULAR, URE, AND VACANT INTERVIEWS

CHECK ITEM A	<p>(See item 8, page 1)</p> <p>REGULAR OR URE AND:</p> <p style="margin-left: 100px;">(See Control Card item 14)</p> <div style="display: flex; align-items: center;"> <input type="checkbox"/> Same household interviewed last enumeration period (at least one entry in "80" year column of item 14 on the current Control Card) – Ask questions in Column A </div> <div style="display: flex; align-items: center; margin-top: 10px;"> <input type="checkbox"/> All others – Ask questions in Column B </div> <p>VACANT AND:</p> <p style="margin-left: 100px;">(See Control Card item 40c)</p> <div style="display: flex; align-items: center;"> <input type="checkbox"/> Vacant last enumeration period – Ask questions in Column A </div> <div style="display: flex; align-items: center; margin-top: 10px;"> <input type="checkbox"/> All others – Ask questions in Column B </div>
---------------------	--

Column A	Column B
<p>1a. Since (last year's interview date), has there been a change in the number of rooms in this house (apartment)?</p> <p>(021) 1 <input type="checkbox"/> Yes – Ask b</p> <p>2 <input type="checkbox"/> No</p> <p>3 <input type="checkbox"/> Don't know – Ask b</p>	<p>1b. How many rooms are (now) in this house (apartment)? Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.</p> <p>(022) _____ Number of rooms</p> <p>x <input type="checkbox"/></p>
<p>2a. Since (last year's interview date), has there been a change in the number of bedrooms in this house (apartment)?</p> <p>(023) 1 <input type="checkbox"/> Yes – Ask b</p> <p>2 <input type="checkbox"/> No</p> <p>3 <input type="checkbox"/> Don't know – Ask b</p>	<p>2b. How many bedrooms are (now) in this house (apartment)? Count rooms used mainly for sleeping even if used for other purposes.</p> <p>(024) _____ Number of bedrooms</p> <p align="center">OR</p> <p>o <input type="checkbox"/> None</p>
<p>3a. Since (last year's interview date), have any kitchen facilities been added or eliminated in this house (building)?</p> <p>(025) 1 <input type="checkbox"/> Yes – Ask b</p> <p>2 <input type="checkbox"/> No</p> <p>3 <input type="checkbox"/> Don't know – Ask b</p>	<p>3b. Does this house (building) (now) have complete kitchen facilities; that is, a kitchen sink with piped water, a refrigerator and a range or a cookstove which are available for your use (the use of the intended occupants)?</p> <p>(026) 1 <input type="checkbox"/> Yes – For this household only</p> <p>2 <input type="checkbox"/> Yes – Also used by another household</p> <p>3 <input type="checkbox"/> No</p>
<p>4a. Since (last year's interview date), has there been a change in the source of water for this house (building)?</p> <p>(027) 1 <input type="checkbox"/> Yes – Ask b</p> <p>2 <input type="checkbox"/> No</p> <p>3 <input type="checkbox"/> Don't know – Ask b</p>	<p>4b. Does the water for this house (apartment) (now) come from a public or private system; an individual well; or some other source such as a spring, creek, river, cistern, etc.?</p> <p>(028) 1 <input type="checkbox"/> A public system or private company</p> <p>2 <input type="checkbox"/> An individual well</p> <p>3 <input type="checkbox"/> Some other source – Specify below</p> <p>_____</p> <p>_____</p>

Section IXA - REGULAR (OR URE) INTERVIEWS - Continued

TRANSCRIBE FROM CONTROL CARD

3. Highest grade completed by reference person (cc 19)

- (091) 0 Never attended school
- | | |
|---|--------------------------------------|
| 1 <input type="checkbox"/> Kindergarten | 8 <input type="checkbox"/> Seventh |
| 2 <input type="checkbox"/> First | 9 <input type="checkbox"/> Eighth |
| 3 <input type="checkbox"/> Second | 10 <input type="checkbox"/> Ninth |
| 4 <input type="checkbox"/> Third | 11 <input type="checkbox"/> Tenth |
| 5 <input type="checkbox"/> Fourth | 12 <input type="checkbox"/> Eleventh |
| 6 <input type="checkbox"/> Fifth | 13 <input type="checkbox"/> Twelfth |
| 7 <input type="checkbox"/> Sixth | |
- College (Academic years)
- | | |
|--------------------------------|--|
| 14 <input type="checkbox"/> C1 | 17 <input type="checkbox"/> C4 |
| 15 <input type="checkbox"/> C2 | 18 <input type="checkbox"/> C5 |
| 16 <input type="checkbox"/> C3 | 19 <input type="checkbox"/> C6 or more |

4. Ethnic origin (cc 20)

- (092) 1 Mexican-American
 2 Chicano
 3 Mexican
 4 Mexicano
 5 Puerto Rican
 6 Cuban
 7 Central or South American
 8 Other Spanish - Specify _____
 9 Other - Specify _____

5. When reference person moved in (cc 21)

- After April 1, 1970 ↓
- (093)

Month (01-12) / Year

- OR
- (093) 1 1965 to April 1, 1970
 2 1960 to 1964
 3 1950 to 1959
 4 1949 or earlier
 x

6. Use of telephone (cc 38a)

- (095) 1 Yes
 2 No

INTERVIEWER INSTRUCTION Go to section XIII, page 48

Section IVB - REGULAR (OR URE) INTERVIEWS

<p>7a. Are your living quarters owned or being bought by you or by someone else in your household?</p> <p><i>(Probe to be asked only for cooperatives)</i> To the Census Bureau, a cooperative is property which is owned by a corporation. Each shareholder is entitled to occupy an individual unit. Is this what you mean when you say this is a cooperative?</p>	<p><input type="checkbox"/> Yes ✓ Are they owned as a cooperative or condominium?</p> <p>(100) 1 <input type="checkbox"/> No, regular ownership 2 <input type="checkbox"/> Yes, a cooperative - Ask probe 3 <input type="checkbox"/> Yes, a condominium <input type="checkbox"/> No - Ask 7b x <input type="checkbox"/></p> <p style="text-align: right;">} Skip to 8a</p>
<p>b. Are your living quarters rented for cash by you or by someone else or occupied without payment of cash rent?</p>	<p>(100) 4 <input type="checkbox"/> Rented for cash 5 <input type="checkbox"/> Occupied without payment of cash rent</p>
<p>8a. How many living quarters, both occupied and vacant, are there in this house (building)?</p>	<p>(101) 1 <input type="checkbox"/> Mobile home or trailer (no permanent room attached) - Go to b 2 <input type="checkbox"/> One, detached from any other building 3 <input type="checkbox"/> One, attached to one or more buildings 4 <input type="checkbox"/> 2 5 <input type="checkbox"/> 3 or 4 6 <input type="checkbox"/> 5 to 9 7 <input type="checkbox"/> 10 to 19 8 <input type="checkbox"/> 20 to 49 9 <input type="checkbox"/> 50 or more x <input type="checkbox"/></p> <p style="text-align: right;">} Skip to 8c</p> <p style="text-align: right;">} Skip to Check Item A</p>
<p><i>OBSERVATION</i> b. How many mobile homes are in this group?</p>	<p>(102) 1 <input type="checkbox"/> 1-5 2 <input type="checkbox"/> 6-99 3 <input type="checkbox"/> 100 or more</p> <p style="text-align: right;">} Skip to Check Item A</p>
<p><i>OBSERVATION</i> c. Is any part of this property used as a commercial establishment?</p>	<p>(103) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</p>
<p><i>OBSERVATION</i> d. Is any part of this property used as a medical or dental office?</p>	<p>(104) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</p>
<p>CHECK ITEM A</p>	<p>Part 1 (See cc item 40d) <input type="checkbox"/> Control number was Type A or B noninterview last enumeration period - Ask item 9a <input type="checkbox"/> All others - Go to part 2 below Part 2 (See item 7a, page 1) <input type="checkbox"/> Control number in sample last enumeration period (first box marked in item 7a) - Skip to item 12, page 13 <input type="checkbox"/> Control number in sample for first time this enumeration period (second box marked in item 7a) - Ask item 9a</p>
<p>9a. How many stories (floors) are in this house (building)? Do not count the basement.</p> <p><i>(MARK mobile homes by observation.)</i></p>	<p>(105) 1 <input type="checkbox"/> 1 to 3 - Skip to 10 2 <input type="checkbox"/> 4 to 6 3 <input type="checkbox"/> 7 to 12 4 <input type="checkbox"/> 13 or more</p>
<p>b. Is there a passenger elevator in this building?</p>	<p>(106) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</p>
<p>10. Do you have complete plumbing facilities in this house (building); that is, hot and cold piped water, a flush toilet and a bathtub or shower, which are available for your use?</p>	<p>(107) 1 <input type="checkbox"/> Yes - For this household only 2 <input type="checkbox"/> Yes - Also used by another household 3 <input type="checkbox"/> No</p> <p style="text-align: right;">} Skip to 12</p>

Section IVB - REGULAR (OR URE) INTERVIEWS - Continued

11. A complete bathroom is a room with a flush toilet, bathtub or shower, and a washbasin with piped water. A half bathroom has at least a flush toilet or a bathtub or shower, but does not have all the facilities for a complete bathroom.

How many complete bathrooms and half bathrooms do you have?

(Mark only one box)

- (108) 1 Complete plumbing facilities but not in one room
 2 1 complete bathroom
 3 1 complete bathroom plus half bath with no flush toilet
 4 1 complete bathroom plus half bath with flush toilet
 5 2 complete bathrooms
 6 More than 2 complete bathrooms

12. What type of heating equipment does your house (apartment) have?

(MARK heating equipment used most.)

SHOW FLASHCARD B

- (109) 1 Central warm-air furnace with ducts in individual rooms
 2 Heat pump
 3 Steam or hot water system
 4 Built-in electric units (permanently installed in wall, ceiling, or baseboard)
 5 Floor, wall, or pipeless furnace
 6 Room heater(s) WITH flue or vent burning gas, oil, or kerosene
 7 Room heater(s) WITHOUT flue or vent burning gas, oil, or kerosene
 8 Fireplaces, stoves, or portable room heater(s)
 9 Unit has no heating equipment
 x

13a. Do you have air conditioning, either individual room units or a central system?

- (110) 1 Yes
 2 No - Skip to 14a

b. Which do you have?

- (111) 1 Central - Skip to 14a
 2 Room units

c. How many room units do you have?

(112) _____ Room units

14a. Does this house (apartment) have open cracks or holes in the interior walls or ceiling?
 (Do not include hairline cracks)

- (113) 1 Yes
 2 No

b. Does this house (apartment) have holes in the floors?

- (114) 1 Yes
 2 No

15a. Is there any area of broken plaster on the ceiling or inside walls which is larger than this piece of paper?
 (SHOW CLOSED INTERVIEWER FLASHCARD AND INFORMATION BOOKLET)

- (115) 1 Yes
 2 No

b. Is there any area of peeling paint on the ceiling or inside walls which is larger than this piece of paper?
 (SHOW CLOSED INTERVIEWER FLASHCARD AND INFORMATION BOOKLET)

- (116) 1 Yes
 2 No

OBSERVATION

16. Are there any buildings with windows broken or boarded-up on this street?

- (121) 1 Yes
 2 No

NOTES

Section XI – JOURNEY-TO-WORK SUPPLEMENT

**CHECK
ITEM Y**

(See item 8, page 1)

- URE Interview – Go to Check Item AA, page 47
- Regular Interview – Ask item 109a

109a. How many cars (passenger automobiles) are owned or regularly used by members of your household?

(Count company cars kept at home; do NOT count trucks or vans.)

(736) _____ Number

OR

None

b. How many trucks or vans of one-ton capacity or less are owned or regularly used by members of your household?

(Count company trucks or vans kept at home.)

(737) _____ Number

OR

None

**INTERVIEWER
INSTRUCTION**



In item 110a, enter the line number of each current HOUSEHOLD MEMBER (Yes in cc item 11c) 16 YEARS OLD AND OVER.

Ask item 110b for each person listed in item 110a.

110a. Line number (cc item 10)

110b. Did . . . have a job last week?

(Mark the "Yes" box if the household member was temporarily absent from work due to illness, vacation, layoff, etc.)

(Mark the "No" box if the household member has a job but is living away from home while working.)

(738)		(739)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(740)		(741)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(742)		(743)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(744)		(745)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(746)		(747)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(748)		(749)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(750)		(751)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(752)		(753)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(754)		(755)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(756)		(757)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(758)		(759)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
(760)		(761)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No

**INTERVIEWER
INSTRUCTION**



If all "No" in item 110b, go to Check Item AA, page 47. Otherwise transcribe the line number for each person with a "Yes" answer in question 110b above to the line number of worker box at the top of a separate set of pages beginning with page 40. Read the introduction below and ask the appropriate questions.

Each worker should answer items 111 through 117 for himself (herself) if available. If any worker is not available at the time of interview, ask these items of a knowledgeable household member. Enter in the boxes above item 111a, the line number of the respondent for each worker.

INTRODUCTION

The following questions are concerned with how persons in your household usually get to work. Are . . . (Specify names of all persons for whom "Yes" is marked in 110b) available to answer some questions at this time?

Section XI - JOURNEY-TO-WORK SUPPLEMENT - Continued

Line number of respondent → (762)

Line number of worker → (763)

111a. What is . . . 's principal means of transportation to work?

- (764) 1 Car
 - 2 Truck
 - 3 Van
- (765)
- 1 Drives alone - Ask 111b
 - 2 Carpool - Skip to 111c
 - 3 Bus or streetcar
 - 4 Subway or elevated
 - 5 Railroad
 - 6 Taxicab
 - 7 Motorcycle or moped
 - 8 Bicycle
 - 9 Other type of vehicle
 - 10 Walks only
 - 11 Works at home - Go to INTERVIEWER INSTRUCTION on page 41

SHOW FLASHCARD I

b. What is . . . 's MAIN reason for driving alone?

- (766) 1 Irregular or unusual work hours
- 2 Irregular work location
- 3 Need car for work or errands
- 4 Don't know anyone to ride with
- 5 Like privacy
- 6 It is out of the way to pick up others
- 7 Riders require extra waiting or are not dependable
- 8 Want car for emergencies or occasional overtime
- 9 Don't trust others driving
- 10 Some other reason

c. How many people, including . . . , usually ride in the car, (truck), (van)?

(767) _____ Number

d. Of the (Specify entry in 111c) people in the carpool, how many, including . . . , are members of this household?

(768) _____ Number

112a. In addition to the car, (truck), (van), does . . . usually use public transportation for any part of the trip to work?

- (769) 1 Yes - Ask 112b
- 2 No - Skip to 112c

b. What kind of public transportation does . . . use for any part of the trip to work?

- (770) 1 Bus or streetcar
- 2 Subway or elevated
- 3 Railroad
- 4 Taxicab
- 5 Other

SHOW FLASHCARD J

c. What is the MAIN reason that . . . does not use public transportation to get to work?

- (771) 1 Rather use car, truck, or van
- 2 Available transit does not go to place of work
- 3 Takes too long to get to work
- 4 Time schedule is not convenient
- 5 Public transportation is not available
- 6 Transit stop is too far from residence
- 7 Too expensive
- 8 Need car, truck, or van for work
- 9 Physical and/or mental impairment
- 10 Other reason

Appendix A

DEFINITIONS

1.0 Introduction

1.1 Overview

The Annual Housing Survey is conducted on a sample of addresses, not persons or families. There are three overall categories of interviews and three types of non-interviews:

Interviews

1. Regular--Sample unit is a housing unit and it is occupied by one or more persons whose usual place of residence is the sample unit. If the occupants are temporarily absent, for example on vacation, the unit is still considered occupied. Interviews are normally spread over several months, so an interview can be obtained when the household returns. Eligible respondents are household members 16 years of age or older.
2. URE--Sample unit is a housing unit and it is occupied by persons who all have a usual residence elsewhere (URE). Eligible respondents are knowledgeable occupants 16 years of age or older. Published data often merge UREs with vacant units, but the data base and this code book always treat the two concepts separately.
3. Vacant--Sample unit is an unoccupied housing unit that has the interior protected against the elements, has no sign or other indication that it is condemned or to be demolished and is not being used for commercial, farm or other nonresidential purposes. New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Landlords, owners, or building managers are eligible respondents. If this type of respondent is unavailable, a neighbor may be interviewed.

Non-Interviews

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

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

Type C: The unit is not eligible for the sample, because it no longer exists or because of sampling reasons (e.g., unit demolished, disaster

loss, house or mobile home moved, unused permit--abandoned). Type C non-interviews are not re-visited in future years, and are dropped from the Census tape. They are however retained on Abt tapes as cases with ISTATUS=6 so that cumulative losses over time can be counted.

Users should refer to Section 2.0, General Unit Information, for a discussion of the concepts of housing unit, occupancy status and eligibility.

The survey was conducted by personal interview. Interviewers were instructed to read the questions directly from the questionnaire. Various technical and procedural materials were used to help the interviewers more fully understand the intent of each question and thus to resolve problem or unusual cases. Additional explanatory information has been added to this Appendix to assist the user in understanding the data. This appendix documents selected concepts and variables, highlighting key definitions which users should be aware of when using the data base.

1.2 Zero Weighted Units

Users should note that, in addition to non-interview units which have a weight of zero, there are other cases which have data present on the tapes and have been assigned a weight of zero (see the variable WEIGHT in the Sample Status information section of the codebook). These zero weighted units are:

- o Vacant and URE units which are mobile homes, tents, boats, or are located in transient hotels. These are not considered housing units. They are considered interviews, however.
- o Units accidentally interviewed which should not be in the sample. Use of data from these units would cause misrepresentation in the estimates.

In addition, all non-interview units have been assigned a weight of zero.

1.3 AHS and Census Data

Users should note that there are differences between the Annual Housing Survey data and the 1970/80 Census data. Some of the reasons include extensive use of self-enumeration in the census in contrast to personal interviews in the Annual Housing Survey; the sampling variability of the estimates from the Annual Housing Survey and, to a smaller extent, of the sample data from the census; and other nonsampling errors associated with each survey.

Differences may also be attributed to differences in basic definitions, such as the definition of a housing unit. These differences have been noted in this Appendix under the appropriate item.

2.0 General Unit Information

2.1 Eligible Housing Unit

At the time of selection of the sample, living quarters were classified as either housing units or group quarters. Housing units are included in the Annual Housing Survey; group quarters are not.

2.1.1 Key Definitions--Housing Units vs. Group Quarters

Housing Units--A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have either (1) direct access from the outside of the building or through a common hall which is used or intended to be used by the occupants of another unit or by the general public or (2) a complete kitchen for the exclusive use of the occupants. Any group of rooms which has neither a kitchen nor direct access is combined with the unit it is entered through. Units whose occupants live or eat with occupants of another unit similarly are combined with the other unit. Thus the occupants of a unit may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the section on group quarters).

For vacant units, the criteria of separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants whenever possible. If the information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are counted in the housing inventory, except that mobile homes, trailers, tents, caves, boats, railroad cars, and the like, are not counted if they are URE or vacant. They appear on data tapes with a weight of zero.

There are two significant differences between the definition of housing unit used in the AHS and that used in the Census. First, in the AHS, a unit need not have direct access, as long as it has a complete kitchen. In the 1980 census, the complete kitchen alternative is dropped with direct access required of all units. Second, in the 1980 census, vacant and URE mobile homes are counted in the housing inventory provided they are intended for permanent occupancy on the site where they stand, while in the AHS, vacant and URE mobile homes are excluded from the housing inventory.

Group quarters--Group quarters are living arrangements for institutional inmates, or boarding houses where meals are included in the rent, or places containing five or more persons not related to the person in charge. Group quarters are located most frequently in institutions, boarding houses, military barracks, college dormitories, fraternity and sorority houses, hospitals, monasteries, convents, and ships. A house or apartment is considered group quarters if it is shared by the person in charge and five or more nonrelatives, or if there is no person in charge, by six or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the Annual Housing Survey.

The 1980 Census uses similar definitions, except that places with eight or fewer non-relatives are counted as housing units, while places with nine or more non-relatives of the person in charge are classified as group quarters. The Census does contain data on group quarters.

2.1.2 Rules for Special Cases

2.1.2.1 Rules for Institutions

Living quarters of staff personnel are separate housing units if they satisfy the housing unit criteria. Other living quarters are considered group quarters.

2.1.2.2 Rules for Hotels

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents, i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only if located in hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

2.2 Units Changed by Merger

A merger is the result of combining two or more housing units into fewer units through structural alteration or change in use. Structural alteration includes such changes as the removal of partitions or dismantling of kitchen facilities. Change in use may result from a simple rearrangement of space without structural alteration, such as unlocking a door which formerly separated two housing units. A change in use also occurs, for example, when a family occupies both floors of a house which formerly contained a separate housing unit on each floor.

2.3 Vacancy Status

Vacant housing units are classified as either "seasonal and migratory" or "year-round." "Seasonal" units are intended for occupancy during only certain seasons of the year. Included are units intended for recreational use, such as beach cottages and hunting cabins, and vacant units held for herders and loggers. "Migratory" units are vacant units held for occupancy by migratory labor employed in farm work during the crop season.

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

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

Vacant for sale--Vacant year-round units "for sale" also include vacant units in a cooperative or condominium project if the individual units are offered for sale.

Vacant for rent--Vacant year-round units "for rent" also include vacant units offered either for rent or for sale.

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

Held for occasional use--This category consists of vacant year-round units which are held for weekend or other occasional use throughout the year. The intent of this question was to identify homes reserved by their owners as second homes. Because of the difficulty of distinguishing between this category and seasonal vacancies, it is possible that some "second homes" are classified as "seasonal" and vice versa.

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

2.4 Additional Unit Descriptors

Publicly owned or subsidized housing--The data are not based on government or local records; the figures are, therefore, subject to the ability of a respondent to properly classify the unit as public or private and, if private, as subsidized or nonsubsidized housing. The publicly owned housing is not necessarily subsidized, for example it includes houses owned by state colleges and by military bases, as well as low income housing projects. Subsidized housing furthermore includes state and local programs as well as federal, and need not be low income housing.

Tenure--A housing unit is "owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. A cooperative or condominium unit is "owner occupied" only if the owner or co-owner lives in it. All other occupied units are classified as "renter occupied," including units rented for cash rent and those occupied without payment of cash rent.

Cooperatives and condominiums--In a condominium people own their units individually and have joint ownership of some or all common areas such as the land, hallways, entrances, elevators, etc.

In a cooperative people have a joint ownership of all the units as well as the common areas. Each member of the cooperative has a right to live in a particular unit, but does not own that unit directly.

Cooperative or condominium ownership may apply to various types of structures including single-family houses, rowhouses, townhouses, etc., as well as apartment buildings.

Units in structure--In determining the number of housing units in a structure, all units, both occupied and vacant, are counted.

A structure is a separate building if it has either open space on all sides or is separated from other structures by dividing walls that extend

from bottom of foundation to roof. The figures are subject to error, especially in row houses, because the respondent may not know whether walls go from bottom of foundation to roof, or whether units share an attic crawl space, which would qualify the row house as a multi-unit building.

Structures containing only one housing unit are further classified as detached or attached. A 1-unit structure is detached if it has open space on all four sides even though it has an adjoining shed or garage. A 1-unit structure is attached if it has one or more walls extending from ground to roof which divide it from other adjoining structures, such as in row houses, townhouses, etc.

Mobile homes and trailers form a separate category. When one or more rooms have been added to a mobile home or trailer, it is classified as a 1-unit structure. If, however, only a porch or shed has been added, it is still counted as a mobile home or trailer.

Year structure built--"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. For mobile homes and trailers, the manufacturer's model year was assumed to be the year built. The data are based on the respondent's estimate and are, therefore, subject to the respondent's knowledge of the year the building was constructed.

Basement--A structure has a basement if there is enclosed space in which persons can walk upright under all or part of the building.

Telephone available--A housing unit has a telephone if there is one available to the occupants of the unit for receiving calls. The telephone may be located outside or inside the housing unit, and one telephone may serve the occupants of several units. Note that this definition is different from the 1980 Census, which counts a telephone only if it is inside the specific housing unit.

Automobiles and trucks available--Automobile availability represents the number of passenger automobiles, including station wagons, which are owned or regularly used by any member of the household and which are ordinarily kept at home. It includes leased automobiles and company-owned automobiles kept at home. Police cars, taxicabs, pickups, or larger trucks were not to be counted, (except in 1980, when police cars and taxis were not specifically excluded).

Data on trucks available represent the number of pickups and small panel trucks of one-ton capacity or less which are owned or regularly used by any member of the household and which are ordinarily kept at home. Trucks used for business purposes were included only if also used for personal activities of household members.

The item should not be used to reflect the number of privately owned automobiles or trucks or the number of households owning such vehicles.

Garage or carport on property--The garage or carport must be available for use by the occupants of the housing unit; i.e., members of the household could use it for parking even if it is currently used as a storage area for items such as lawn equipment or furniture. It may be attached to the house or completely unattached, but it must be on the property. Excluded are

garages or carports that have been converted to other uses such as living quarters, an area used for business purposes, an area rented to someone else or an area that for some reason cannot be used for parking.

3.0 Geography

For consistency, the AHS uses the geographic definitions of the 1970 Census. Changes in boundaries made after February 1971 are not reflected in the data base.

Census Region--The composition of each region is shown in Figure A-1.

Standard Metropolitan Statistical Areas--The definitions of standard metropolitan statistical areas (SMSA's) used in the Annual Housing Survey correspond to the 243 SMSA's used in the 1970 census. These include the 228 SMSA's defined and named in the Bureau of the Budget publication, Standard Metropolitan Statistical Areas: 1967, U.S. Government Printing Office, Washington, D.C. 20402. After 1967, 15 SMSA's were added, of which 2 were defined in January 1968, and an additional 13 were defined in February 1971 as a result of the 1970 census.

Outside New England, a standard metropolitan statistical area is a county or group of counties of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to certain criteria, they are socially and economically integrated with the central city. Each SMSA must include at least one central city, or central county, and the title of an SMSA identifies the central city or cities. In the New England states, SMSA's consist of towns and cities instead of counties, but otherwise the rules are similar. For a detailed description of the criteria used in defining SMSA's, see the Bureau of the Budget publication cited in the preceding paragraph.

Counties--The primary divisions of most of the states are termed counties; in Louisiana, the corresponding areas are termed parishes. Alaska has county equivalents defined by the state. Four states (Maryland, Missouri, Nevada, and Virginia) contain one or more cities that are independent of any county; for statistical purposes, these independent cities are treated as county equivalents.

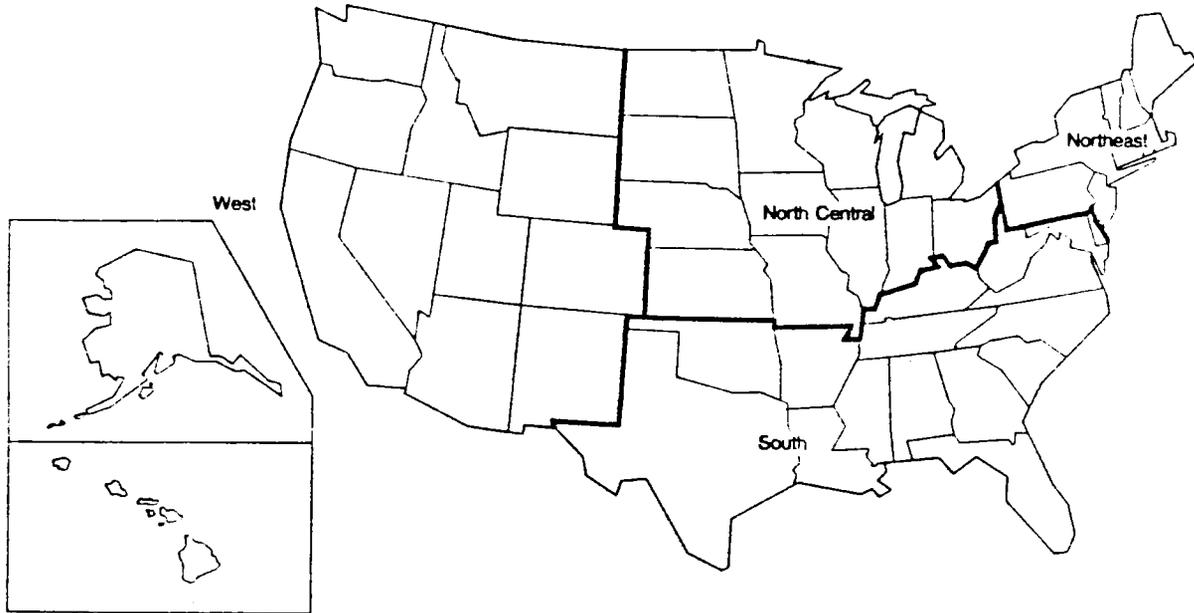
Urban and rural residence--Urban housing comprises all housing units in urbanized areas and in places of 2,500 inhabitants or more outside urbanized areas. More specifically, urban housing consists of all housing units in (a) places of 2,500 inhabitants or more incorporated as cities, villages, boroughs (except Alaska), and towns, (except in the New England states, New York, and Wisconsin), but excluding those housing units in the rural portions of extended cities; (b) unincorporated places of 2,500 inhabitants or more; and (c) other territory, incorporated or unincorporated, included in urbanized areas. Housing units not classified as urban constitute rural housing.

Farm-nonfarm residence--In rural areas, occupied housing units are classified as farm units if they are located on places of 10 or more acres from which sales of farm products amounted to \$50 or more during the 12-month period prior to the interview or on places of less than 10 acres from which sales of farm products amounted to \$250 or more during the 12-month period

Figure A-1

CENSUS REGIONS

Boundaries of Census Regions



Northeast Region

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont
New Jersey
New York
Pennsylvania

South Region

Delaware
District of Columbia
Florida
Georgia
Maryland
North Carolina
South Carolina
Virginia
West Virginia
Alabama
Kentucky
Mississippi
Tennessee
Arkansas
Louisiana
Oklahoma
Texas

West Region

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming
Alaska
California
Hawaii
Oregon
Washington

North Central Region

Illinois
Indiana
Michigan
Ohio
Wisconsin
Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

prior to the interview. Occupied units in rural territory which do not meet the definition for farm housing are classified as nonfarm. All vacant units in rural areas also are classified as nonfarm. The farm-nonfarm classification is based on information in the interview, and therefore can change from year to year.

4.0 Rooms & Crowding

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

A partially divided room, such as a dinette next to a kitchen or living room, is a separate room only if there is a partition from floor to ceiling, but not if the partition consists only of shelves or cabinets.

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

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

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

Crowding--Several measures have been used to measure crowding or appropriateness of the space in the unit relative to the number of persons in the household. One measure is based on the number of persons per room (not more than 1.0 or 1.5 persons per room), another on the number of persons per bedroom (not more than 2 persons per bedroom). The latter has sometimes been elaborated by relating the requirements to family composition (for example, by requiring that persons of the opposite sex (other than husband and wife or young children) have separate bedrooms).

5.0 Cooking & Plumbing Facilities

Complete plumbing facilities--A unit has "complete plumbing facilities" if it has hot and cold piped water inside the structure as well as a flush toilet and a bathtub or shower inside the structure for the exclusive use of the occupants of the housing unit. All plumbing facilities must be located in the structure but they need not be in the same room. Note that for the AHS, plumbing facilities are considered complete if they are located in the

structure in which the unit is located, while in the Census, facilities are complete only if inside the specific housing unit. Plumbing facilities are shared if they are also for the use of the occupants of other housing units.

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

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

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

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

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

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

6.0 Heating and Cooling and Their Reliability

Heating equipment--"Warm-air furnace" refers to a central system which provides warm air through ducts leading to various rooms. A "heat pump" refers to an electric all-in-one heating-cooling system which utilizes indoor and outdoor coils, a refrigerator, and a compressor to provide heating in the winter and cooling in the summer. Only heat pumps that are centrally installed with ducts to the rooms are included in this category. "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Built-in electric

units" are permanently installed in floors, walls, ceilings, or baseboards. A "floor, wall, or pipeless furnace" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed.

"Room heaters with flue" include circulating heaters, convectors, radiant gas heaters and other nonportable heaters that burn gas, oil, kerosene, or other liquid fuels, and connect to a flue, vent, or chimney to remove smoke and fumes. "Room heaters without flue" include any room heaters that burn gas, oil, or kerosene and do not connect to a flue, vent, or chimney. "Fireplaces, stoves, or portable heaters" include room heaters that burn coal, coke, charcoal, wood or other solids. It also includes portable electric heaters that get current from an electrical wall outlet. According to interviewer instructions, portable heaters burning liquid fuel should be included under "fireplaces, etc.", not under "room heaters without flue", but the questionnaire does not mention the portability distinction, so some portable room heaters may be classified "room heaters", while others are classified "fireplaces, etc."

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

House heating fuel--"Gas from underground pipes" is gas run through pipes from a central system to serve the neighborhood. "Bottled, tank, or LP gas" is stored in tanks which are refilled or exchanged when empty. "Kerosene, etc." includes kerosene, gasoline, alcohol, and other combustible liquids. "Other fuel" includes any other fuel such as: briquettes made of pitch and sawdust; corncobs; or purchased steam.

Air conditioning--Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers which are not connected to a refrigeration unit. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room. A central system is a central installation which air-conditions the entire housing unit. In an apartment building, a central system may cool all apartments in the building; each apartment may have its own central system; or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system.

7.0 Other Housing Quality

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

Broken plaster or peeling paint must be on the inside walls or ceilings, and at least one area of the broken plaster or peeling paint must be approximately one square foot or larger.

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

Flush toilet, water supply, public sewage disposal and heating equipment breakdown--Data on breakdowns or failures of flush toilets, water supply, sewage disposal and heating equipment are collected only if the housing unit had been occupied by the reference person of the household at least three months prior to the interview. For breakdowns or failures of heating equipment, data are collected only if the unit had been occupied by the reference person during the winter prior to the interview. To qualify as having lived here "last winter", the reference person must have moved into the unit prior to the previous February.

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

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

Common stairways--Data for common stairways are collected for housing units in structures of two or more units with common stairways. The data reflect the physical condition of the stairway, i.e., whether there are loose, broken or missing steps or stair railings. Common stairways are stairways which are usually used by the occupants of more than one unit or by the general public. They may be inside or outside of the building.

Leaking roof--Units with "water leakage" are those in which the roof shows signs of water having leaked in from the outside or where the roof leaks when it rains. "No water leakage" means that the roof shows no signs of water having leaked in from the outside, or that the roof shows signs of water leakage but the problem causing the leakage has been corrected. If the signs of water leakage are caused by a problem inside the structure such as faulty plumbing the unit is classified as having no water leakage.

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

8.0 Neighborhood Condition

Street conditions and neighborhood services--The data collected are based on the respondent's opinion and attitude toward the street and neighborhood in which he or she lives. Thus, the respondent's answer may or may not reflect the "actual" description of the street and neighborhood. Furthermore, the respondent may not have the same opinion as his neighbor about the street conditions and/or neighborhood services.

9.0 Housing Costs, Insurance and Repair

Value--Value is collected for 1-unit structures on less than 10 acres having no commercial establishment or medical or dental office on the property, and for condominiums. Value is not collected for cooperatives, mobile homes, trailers, or renter-occupied units.

For owner-occupied units, value represents the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. For vacant units, value represents the sale price asked for the property at the time of the interview, and may differ from the price at which the property is sold.

Value-income ratio--The value-income ratio is computed by dividing the value of the housing unit by the total money income of the family or primary individual. The data are collected for owner-occupied units for which "value" was collected. The ratio was computed separately for each unit and was rounded to one decimal place. In reporting value, respondents were asked to select an appropriate class interval. The midpoints of the value intervals were used for the computation of the value-income ratio, except that very small and very large ratios were recoded. For income, the dollar amounts were used. The ratio is not computed if occupants reported no income or a net loss.

Mortgage--The data are restricted to owner-occupied, 1-unit structures or mobile homes on less than 10 acres having no commercial establishment or medical or dental office on the property. The data exclude owner-occupied cooperative and condominium units. A mortgage or similar debt refers to all forms of debt where the property is pledged as security for payment of the debt. It includes such debt instruments as deeds of trust, trust deeds, mortgage bonds, and vendor liens. In the first three arrangements, usually a third party, known as the trustee, holds the title to the property until the debt is paid. In the vendor lien arrangement, the title is kept by the buyer but the seller (vendor) reserves, in the deed to the buyer, a lien on the property to secure payment of the balance of the purchase price. Also included as a mortgage are contracts to purchase, land contracts, and lease-purchase agreements in which the title to the property remains with the seller until the agreed-upon payments have been made by the buyer.

Monthly mortgage payment--The data are limited to owner-occupied, 1-unit structures or mobile homes on less than 10 acres having no commercial establishment or medical or dental office on the property. If a mortgage exists, data are collected on the monthly dollar amount paid for the mortgage, principal and interest only.

Real estate taxes last year--The data are restricted to owner-occupied, 1-unit structures or mobile homes on less than 10 acres having no commercial establishment or medical or dental offices on the property. The data were not collected for owner-occupied cooperatives or condominiums. "Real estate taxes last year" refers to the yearly total amount of all real estate taxes payable on the entire property during the last billing period. It includes state and local real estate taxes. Not included are payments on delinquent taxes due from prior years or payments for special assessments, facilities, or services. Even when the real estate taxes are included with the mortgage, a separate amount for the taxes is obtained.

Ownership housing costs--Selected monthly ownership housing cost is the monthly sum of payments for the mortgage, or installment loan or contract, real estate taxes (including taxes on mobile homes or trailer site if the site is owned), property insurance, utilities (electricity, gas, water, and sewage disposal), fuel (oil, coal, kerosene, wood, etc.), and garbage and trash collection.

Ownership housing costs are not computed for households with a mortgage or similar debt that failed to report the amount of their loan or contract payment and/or those households that did not report their real estate taxes.

Ownership housing costs as percentage of income--The yearly housing costs (housing costs multiplied by 12) are expressed as a percentage of the total income of the family or primary individual. This percentage is calculated for the same owner-occupied units for which "ownership monthly housing costs" were computed (for exclusions, see "Selected monthly housing costs"). The percentage was computed separately for each unit and was rounded to the nearest tenth of a percent. The measure was not computed for units where occupants reported no income or a net loss or for households that did not report the amount or did not pay mortgage or similar debt and/or real estate taxes.

Monthly rent--Monthly rent is the monthly rent agreed to, or contracted for, even if the furnishings, utilities, or services are included. The data on rent exclude 1-unit structures on 10 acres or more. Rent data for mobile homes and trailers are not restricted by acreage.

Gross rent--The monthly computed rent, termed "gross rent," is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, water) and fuels (oil, coal, kerosene, wood, etc.) if these items are paid for by the renter (or paid for by someone else, such as a relative, welfare agency, or friend) in addition to rent. Contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included. Thus, gross rent is intended to eliminate differentials which result from varying practices in the inclusion of utilities and fuel as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis, but they are converted to monthly figures in the computation process. It should be noted that the definition of gross rent is not consistent if contract rent includes the cost of furnishings and parking, since these costs are not added to contract rent (if paid separately) in computing gross rents. If the sample is large enough, users may consider estimating the cost of furniture and/or parking, and exclude these costs from gross rents for units in which contract rent includes furnishings and/or parking. The adjustment cannot be made directly since the cost of furnishings and/or parking is not available if included in contract rent.

The data on gross rent exclude 1-unit structures on 10 acres or more. Rent data for mobile homes and trailers are not restricted by acreage.

Fire and hazard insurance--This refers to policies which protect the unit and its contents against loss due to damage by fire, lightning, wind, hail, explosion, etc. Homeowners' policies are also included since this type of insurance has fire and hazard insurance together with other types of homeowner protection such as liability. If the cost of the insurance was included as part of the mortgage payments, a separate amount for the insurance was obtained. The amount of the insurance premium reported was the amount paid for an entire 12-month period even if made in two or more installments. The data are collected for owner-occupied, 1-unit structures on less than 10 acres with no commercial establishment or medical or dental office on the property and for owner-occupied mobile homes and trailers on less than 10 acres. The data exclude owner-occupied cooperative and condominium units.

Furniture--The data refer to furnished apartments or houses in which the management supplied major pieces of furniture such as a bed, sofa, chest of drawers, and table and chairs for the use of the occupant. Refrigerator, cooking range or stove, lamps and rugs are not considered furniture. Housing units in which the occupants rent furniture from some source other than the management are not classified as furnished.

Owned second home--A second home may be a single-family house, vacation cottage, hunting cabin, ski lodge, etc., which is owned and held for use sometime during the year by the owner or members of his household. Second homes may also be owned in partnership with members of a different household. Included are second homes which are sometimes rented or leased on a short-term basis to other persons but are principally held for the owner's occasional use during the year.

10.0 Previous Residence

Date reference person moved into unit--The data are based on the information reported by the reference person and refer to the date of latest move. Thus, if the reference person moved back into a housing unit previously occupied, the date of the latest move is to be reported; if the reference person moved from one apartment to another in the same building, the date the reference person moved into the present housing unit is to be reported. The intent is to establish the date the present occupancy by the reference person began. The date the reference person moves is not necessarily the same date other members of the household move, although in the great majority of cases, the entire household moves at the same time.

Table 1 in the introduction shows when the interviews were conducted. However the date when the reference person moved into the unit cannot be compared to date of interview to determine clearly whether the household is the same as the one interviewed the year before, because: interviews are spread over several months; people do not always remember accurately when they moved; and the head may have moved before or after the rest of the household. The variable HHLDD should be used to determine if the household is the same as the one interviewed the year before.

The AHS cannot be used to measure directly the number of moves that happen in any particular time period, because not all of these moves show up in the file. For example a unit with more than one family moving in and out during a year will show up with only one mover in the survey. Similarly a move into a unit which is abandoned later in the year will not be counted in the survey. For these reasons, the AHS cannot be used to measure directly the average time between moves for American families, since it omits multiple moves during a year, and it omits moves out of the housing stock, such as into nursing homes or other institutions.

The variable RMYEAR accurately counts the number of current heads of household who have moved at least once during a year. However it does not attempt to measure all moves by those heads of household during the year, nor moves by other people.

The longitudinal file merges data from at least two interviews, so it has at least two chances to record a move. This gives it better coverage of multiple moves by the same person, and of movers who die or otherwise cease being heads of household. Naturally, however, even the longitudinal file is incomplete by an unknown amount if one is trying to count all moves throughout the year. To get that statistic one would have to conduct the survey every few days throughout the year.

11.0 Mobile Home

Year mobile home acquired--This item pertains to owner-occupied mobile homes and trailers. "Year acquired" is the calendar year that the current owner took possession of the mobile home or trailer, not the year the mobile home or trailer was manufactured. "Acquired" includes purchase as well as other forms of taking possession such as inheritance, gift, trade, and foreclosure.

Mobile home acquired new--The data pertain to owner-occupied mobile homes and trailers. "Acquired new" means that no other person or family lived in the mobile home or used it for a business, etc., before the present owner acquired it.

Purchase price of mobile home--This item refers to owner-occupied mobile homes and trailers. The purchase price is the total cost of the mobile home or trailer at the time of purchase including the down payment but excluding site costs or closing costs. The "no purchase n/a" category refers to mobile homes and trailers that were not purchased by any occupant of the unit, e.g., the unit was acquired as a gift.

12.0 Household Composition

Household--A household consists of all the persons who occupy a housing unit whether or not they are related. By definition, the count of households is the same as the count of occupied housing units.

Number of persons--All persons occupying the housing unit are counted. These persons include not only occupants related to the reference person but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the reference person.

A person is counted at the usual place of residence for that person. This refers to the place where the person lives and sleeps most of the time. This place is not necessarily the same as a legal residence, voting residence, or domicile.

Reference person--Family relationships are coded in relation to a "reference person". The "reference person" is the first household member listed on the questionnaire or control card who is an owner or renter of the sample unit. If no household member occupying the sample unit owns or rents the unit, the reference person is the first household member listed who is 18 years old or older. In surveys from 1973 through 1979, the concept "head of household" was used. One person in each household was designated as the head, that is the person who was regarded as the head by the respondent. However, if a married woman living with her husband was reported as the head, her husband was considered the head for the purpose of simplifying the coding.

Own children--A child is defined as an "own" child if he or she is a single (never married) son, daughter, stepchild, or adopted child of the reference person. Own children of subfamilies are excluded from the total count of own children, as are foster children.

Subfamily--A subfamily is a married couple with or without children, or one parent with one or more of their own single (never married) children, living in a household and related to, but not including the reference person or spouse. The most common example of a subfamily is a young married couple sharing the home of the husband's or wife's parents.

Other relative--This category includes all persons related to the reference person by blood, marriage, or adoption except wife, husband, or child of reference person and members of subfamilies.

Nonrelative--A nonrelative of the reference person is any person in the household who is not related to the reference person by blood, marriage, or adoption. Roomers, boarders, lodgers, partners, resident employees, wards, and foster children are included in this category.

Age--The age classification refers to the age reported as of each person's last birthday.

Race--The concept of race used by the Census Bureau does not denote clear-cut scientific definitions of biological stock. The interviewer was to report the race of the reference person in three categories: White, Black (Negro), and other. The last category includes American Indian, Chinese, Eskimo, Japanese, Korean, and any other race except White and Black. The classification of race in the Annual Housing Survey up through 1977 was made by the interviewer based on his own observation of the respondent (and a question about the other members of the household if there seemed any reason why they might be of a different race). In the 1970 and 1980 census, race was essentially a self-classification by people according to the race with which they identified themselves. Starting with the 1978 AHS National and SMSA Surveys, new households joining the sample were asked to classify themselves by race, but other households interviewed before retained the interviewer observation.

Spanish origin--Spanish origin was determined on the basis of a question that asked for self-identification of a person's origin or descent.

Care should be exercised in the interpretation of differences in the estimated counts of Spanish-origin households between the Annual Housing Survey, the 1970 census, 1980 census, and other current surveys. Spanish persons are identified according to various criteria: birthplace, birthplace of parents, language, surname, and origin or descent. In addition, research indicates that 1970 estimates of Spanish-origin households may be significantly overstated in the South Region and North Central Region. In the 1980 census the categories are essentially the same as the 1980 AHS, except the category "Central or South American" has been dropped.

Years of school completed by reference person--The data refer to the highest grade of regular school completed and not to the highest grade attended. For persons still attending school, the highest grade completed is one less than the one in which they are currently enrolled. Regular school refers to formal education obtained in graded public, private, or parochial schools, colleges, universities, or professional schools, whether day or night school, and whether attendance was full or part time. That is, "regular schooling" is formal education which may advance a person toward an elementary or high school diploma, or college, university, or professional school degree. Schooling or tutoring in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system. Reference persons whose highest grade completed was in a foreign school system or in an ungraded school were instructed to report the approximate equivalent grade (or years) in the regular United States school system. They were not reported as having completed a given grade if they dropped out or failed to pass the last grade attended. Education received in the following types of schools is not counted as "regular schooling": vocational schools, trade schools, and noncredit adult education classes.

Note that in the 1970 and 1980 census, data for years of school completed were based on responses to two questions--the highest grade or year of regular school each household member attended, and whether or not that grade or year was completed. In the Annual Housing Survey, data for years of school completed were based on responses to a single question--the highest grade or year of regular school completed by the householder. Therefore, the Annual Housing Survey may overstate the education level of the reference person; that is, respondents may have reported the grade or year the person was currently enrolled in or had last been enrolled in whether or not the grade or year was completed.

Line numbers--Line numbers are assigned as names of household members are written down in the interview. They are consistent from survey to survey, until the household moves out. For example if the household as a whole remains in place, but the person on line 4 moves out, and a new baby is born, the baby will be assigned a new line number at the end of the list, and no person in the household will have line number 4.

Household characteristics--As described above, the Annual Housing Survey has information on each person in each household: age, sex, marital status, relationship to a reference person, and race. These are stored in Age-Age15, Sex-Sex15, Mar-Mar15, Rel-Rel15, and Race-Race15. Users may wish to develop classifications of household types; a discussion of some classifications is contained in Appendix C.

13.0 Income

Income--Income in the Annual Housing Survey is based on the respondent's reply to questions on income for the 12 months prior to the interview and is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare payments, and all other money income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, union dues, bond purchases, health insurance premiums, Medicare deductions, etc.

There may be significant differences in the income data between the Annual Housing Survey and other surveys and censuses. For example, the time period for income data in the Annual Housing Survey refers to the 12 months prior to the interview while other income data generally refer to the calendar year prior to the date of the interview. Additional differences in the income data may be attributed to the various ways income questions are asked.

Income data are collected for all individuals occupying the housing unit, generally 14 years old and over. Specific ages covered vary from survey to survey and question to question. The chart below summarizes the ages covered for each year and variable(s):

Age Groups Covered, By Income Variables and Survey Year

<u>Year</u>	<u>SAL1-SAL6, INCOME, YIWS, YSLF, YFRM, ESS-EOTHER, YSS-YOTHER4</u>	<u>PBUS, PFARM, PROFIT</u>	<u>VTOTAL, QSS-QOTHER, VSS-VOUTPR</u>
73N	14+	all ages	all ages
74N	14+	all ages	all ages
75N	14+	all ages	14+
76N	14+	all ages	14+
77N	14+	all ages	14+
78N	14+	all ages	14+
79N	14+	all ages	14+
80N	15+	all ages	15+
81N	15+	all ages	15+
74S	14+	all ages	all ages
75S	14+	all ages	all ages
76S	14+	all ages	14+
77S	14+	all ages	14+
78S	14+	all ages	all ages
79S	14+	all ages	all ages
80S	14+	all ages	14+
81S	15+	all ages	15+

Aggregated income variables are available which report the total household income (all occupants) and the total family income (reference person and all individuals related to the reference person). It should be noted that the reference person is always family, even if there are no related individuals in the household. Income includes a full year of income for all current members, even if they did not live in the household all year.

Wage or salary income is defined as the total money earnings received for work performed as an employee. It includes wages, salaries, piece-rate payments, commissions, tips, cash bonuses, and Armed Forces pay. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, professional practice, partnership, or farm in which the person was self-employed.

Social Security or railroad retirement income includes cash receipts of Social Security pensions; survivors' benefits; disability insurance programs for retired persons, dependents of deceased insured workers, or disabled workers; and deductions for Medicare and health insurance premiums. Cash receipt of retirement, disability, and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Separate payments received for hospital or other medical care are not included.

Income from all other sources includes money income received from sources such as periodic payments from estates and trust funds; dividends; interest; net rental income from property rentals; net receipts from roomers or boarders; net royalties; public assistance or welfare payments which include cash receipts received from public assistance programs, such as old age assistance, aid to families with dependent children, and aid to the blind or totally disabled; unemployment insurance benefits; money received for transportation and/or subsistence by persons participating in special governmental training programs, such as the Area Redevelopment Act and the Manpower Development and Training Act; workmen's compensation cash benefits; periodic payments by the Veterans' Administration to disabled members of the Armed Forces or to survivors of deceased veterans; public or private pensions; periodic receipts from insurance policies or annuities; alimony or child support from persons who are not members of the household; net gambling gains; and nonservice scholarships and fellowships.

Receipts from the following sources were not included as income: Value of income "in kind", such as free living quarters, housing subsidies, food stamps, or food produced and consumed by the household; money received from the sale of property (unless the recipient was engaged in the business of selling such property); money borrowed; tax refund; withdrawal of bank deposits; accrued interest on "uncashed" savings bonds; exchange of money between relatives living in the same household; and gifts and lump-sum insurance payments, inheritances, and other types of lump-sum receipts.

Appendix B

SAMPLING, WEIGHTING, AND VARIANCE

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1.0 Initial Designation of Sample Housing Units

1.1 Selection of Sample Areas

The United States was divided into areas made up of counties and independent cities referred to as primary sampling units (PSUs). These PSUs were then grouped into 376 strata, 156 of which consisted of only 1 PSU each, which were therefore in the sample with certainty. These 156 strata were mostly the larger SMSAs and were called self-representing (SR), since the sample from each area represented just that PSU. Each of the other 220 strata consisted of a group of PSUs and were referred to as non-self-representing (NSR), since the sample of housing units from the sample PSU in a stratum represented the other PSUs in the stratum as well as the sample PSU.

One PSU was selected from each NSR stratum with probability proportionate to the 1970 census population of the PSU. (This resulted in 220 NSR sample PSUs. This is called Sampling Plan A.) In addition, the NSR strata were grouped into 110 pairs and one stratum was picked at random from each pair. From this stratum, an additional PSU was selected independently of the other PSU selected from this stratum (this is called Sampling Plan B.) Since the two PSUs were independently selected, it was possible for the same PSU to be selected twice. This occurred in 25 instances, so there were only an additional 85 NSR sample PSUs, thus giving a grand total of 461 PSUs.

Sampling Plan A and Sampling Plan B are both representative of the NSR areas of the country. Therefore, if one added up the selected PSUs, weighting each by the inverse of its probability of selection, one would double-count the NSR areas. This result is avoided by weighting all data from Plan A by two-thirds, and data from Plan B by one-third, so their total adds up to a single count of the NSR areas.

1.2 Sampling Rates Within PSUs

The national average sampling rate was determined by dividing the number of housing units in the country by the original desired sample size. This national average sampling rate was 1 in 1,366. In each of the 461 PSUs, this rate was adjusted so that the overall probability of selection for each sample housing unit was the same. For example, if the probability of selecting an NSR PSU was 1 in 10, then the within-PSU sampling rate would be 1 in 136.6. In the 25 PSUs which were selected twice, under Sampling Plans A and B, the appropriate within-PSU sampling rate was calculated twice, once under each sampling plan, and the rates were added to obtain an overall within-PSU sampling rate.

In order to save interviewer travel costs, it was decided to sample units in clusters, so that instead of counting off 1,366 units and then taking one unit into the sample, every 2,732 units were counted off (this is the national average; as just noted, the sampling rate and hence the count-off rate varied in each PSU) and then 4 units were taken into the sample. In

some areas, half the clusters of four units were surveyed, with the other clusters held in reserve. (This was the pattern followed in so-called "area segments" which are defined below.) In other areas, two of the four units in each cluster were surveyed, with the other half of each cluster held in reserve. (This was the pattern for all sample cases other than "area segments.")

Starting in 1974, all of the units in rural clusters were surveyed, i.e., the reserve sample was activated in rural areas. This resulted in a probability of selection in urban areas of 1 in 1,366 and in rural areas of 1 in 783. The purpose of the double-sampling in rural areas was to obtain more accurate data on rural housing, to compare with urban housing.

1.3 Use of Enumeration Districts

Each of the 461 PSUs was divided into enumeration districts (EDs), administrative units used in the 1970 census. For each ED the following number was calculated: the 1970 count of housing units, plus one-third of the 1970 count of persons in group quarters. The appropriate count-off rate was then applied, counting down through this list of numbers. Thus, if the count-off rate was 1 in 273.2, any ED with more than that number of units had at least one hit. The result of this step was that EDs without any hit could be ignored in further processing, thus saving costs. The selected EDs were then divided into three groups, based on data availability, and different sampling techniques were used in each group: non-permit-issuing EDs, permit-issuing EDs with incomplete address lists, and permit-issuing EDs with complete address lists.

1.3.A Non-Permit-Issuing EDs

EDs where permits are not required for new construction use "area samples." These are primarily rural, but include some large cities, such as Houston. The boundaries of each such ED were subdivided into small land areas with well-defined boundaries which, according to the 1970 Census, had four units each or, if that could not be well-defined, as few units as possible. These small land areas are called "area segments". These areas were listed, along with the estimated number of units in each, and Census counted down the list, drawing an appropriate number of clusters for the sample. (Remember, the number of clusters to be sampled in the ED had been determined above.) Every other whole cluster was designated for the reserve sample. A few months before interviewing started, interviewers went to the defined area and listed every unit there, thus picking up old units, new construction, and all other types of units, such as conversions from store-fronts to housing. If the area, according to the 1970 Census, was expected to have four units, then all units actually found were interviewed. If the area was expected to have more than four units, e.g., 20, then the sampling rate was determined based on the number expected, e.g., 4 out of 20, and was applied to all units found. For example, if 30 were found, 4/20 of 30, or 6, would be interviewed. This sampling rate assured that all units, even those missed by the 1970 Census, had a predetermined probability of selection. The only exception was when a very large number of units was found, as in a new subdivision or a large, new apartment building, in which case the area was subsampled and the new probability of selection was reported back, so that weights could be adjusted in the computer to make the subsample represent all of the original sample. The list is updated by interviewers before every

survey, and the sampling rate is applied by Census regional office staff to the additional units also, so that new units are included in the survey at the same rate as old units.

It has been estimated that the surveys miss as much as 2 percent of all housing units in these EDs because of units not listed during the canvassing.

1.3.B Permit-Issuing-EDs With Incomplete Address Lists

EDs where permits are required for new construction, but where addresses compiled for the 1970 Census were incomplete or inadequate, use modified "area samples." These are also primarily rural areas. These EDs were subdivided into well-defined area segments in the same way as non-permit issuing EDs: interviewers similarly listed all units in each area segment that was selected for the sample; and interviewers then went to all or a subsample of units to conduct interviews. However, if they found units built after the 1970 Census (April 1, 1970), they did not interview them. Such new construction was sampled independently from the list of building permits issued in the ED. The purpose of sampling new construction separately in this way was to obtain a more dispersed and heterogeneous sample of new construction, since the building permit process makes this possible. The actual process of sampling building permits was to obtain a complete list of permits issued from January 1, 1970 up through 5 months before the survey, from the permit-issuing jurisdiction, usually the city or county government. A systematic sample was then taken for those permits within the permit-issuing area of the PSU, using the standard count-off rate for the PSU and designating clusters of four units each. Normally, a permit represents 1 unit, so this would be a cluster of 4 permits, but in multi-family construction it might be a cluster of the 12th-15th units in a planned 20-unit structure, under the same building permit. Originally, two units of each cluster were held in reserve, but since the reserve sample has been activated in rural areas, all units of every cluster are used for the sample in rural areas. In urban areas, two units from each cluster are kept in the sample with the other two still held in reserve. Then, each permit was followed up, and if the unit had not been built by April 1, 1970, but had been built by the time of the interview, it was included in the sample. Where the permit was for a multi-unit building, the count-off process as already discussed took this into account, and indicated what fraction of the units was to be sampled. When interviewing began, all units in the building were listed and the appropriate fraction was sampled. The count-off process indicated what fraction of the units in the structure was to be sampled. For example, if the count-off process indicated 4 units were to be taken from a 20-unit structure, then 4/20 of the units actually found in the structure were sampled. (In a sense, each building permit was treated like an area segment as described earlier.) The permit sampling is repeated every year, so new units are continuously sampled. Since permits are usually not required for mobile homes, new mobile homes are not sampled by these building permits, but are covered by the area sampling, like all other kinds of units other than new construction.

The cut-off of building permits 5 months before the survey means that some units are missed each year, because they are built before the survey, with permits issued after the cut-off. It is estimated that the 1980 National AHS sample missed about 1.4 percent (i.e., about 251,000 units) of conventional housing units built after April 1, 1970 and before September

1980 because the permits for these units were issued less than 5 months in advance of the survey. These missed units would be even more serious as a percentage of 1980 construction. The new construction adjustment described in Section 4.0 below is designed to reduce the effect of this deficiency, although some bias probably still exists. Review of the adjustment indicates that there has been a consistent overcompensation for this deficiency in every year since 1975 by adjusting to counts of new construction for the end of the interview period, which has been December or January, instead of October. This overcompensation may inflate the new construction counts by 100,000 to 300,000 units. Researchers needing precise estimates of new construction should refer to the Census Bureau's monthly "Survey of Construction" (SOC). The AHS is designed to show the characteristics of people who live in new construction, which SOC does not show, but is not designed to replace basic statistics provided by SOC.

1.3.C Permit-Issuing-EDs With Complete Address Lists

EDs where permits are required for new construction, and where addresses compiled for the 1970 Census were considered complete and accurate, use "address list samples." First, new construction is sampled exactly as described under B above. Second, other housing units are sampled by a systematic sample from the 1970 Census list of addresses of individual structures (not addresses of units). Each mobile home park is treated as one "structure." The list is treated much as described for the list of building permits: each building or mobile home park is listed, with the number of units found at the 1970 Census; the count-off rate is applied, and clusters are selected. These clusters in effect determine a sampling rate within the building or park, e.g., 2 units may be selected out of a 20-unit building (10 percent sampling within the building) or 1 unit out of a 1-unit building (100 percent). In rural areas the entire cluster of 4 is included in the sample, while in urban areas two of the four units in each cluster are held in reserve. The interviewer who goes to the building or park makes a list of all units actually there, and samples them at the appropriate sampling rate. In later surveys, any additional units in the building or park are added at the bottom of the list, and the sampling rate continues to apply to them, systematically. In fact, a preprinted listing sheet, with certain lines earmarked for the AHS sample, is used to record and sample additional units.

1.4 Coverage of Units in Different Types of EDs

In EDS of Types A and B, the area sampling methods successfully reach all kinds of housing, but they are very expensive because the job of listing all housing units within a geographic area is time-consuming for interviewers. Therefore, whenever possible, Census uses address lists as described in Section 1.3.3 above. EDs of Type C cover about 75 percent of housing in the country. (They only cover about 60 percent of the sample, because these EDs are largely urban, which are sampled half as much as rural EDs.) The weakness of these address lists is that they do not cover units missed by the 1970 Census, structures that were non-residential in 1970 but now have housing units in them, or mobile homes placed into a new park or onto an individual site after the 1970 Census.

Furthermore, the permit sampling, which is used in Type B as well as Type C EDs, can miss certain new construction units. Special efforts have been made to fill these gaps:

CEN-SUP--This was an evaluation study to estimate units missed by the 1970 Census, which identified a sample of such units. This sample was divided among the various current surveys of the Census Bureau, including the AHS, starting with the 1973 and 1974 surveys. The overall probability of selection for these units was quite variable but averaged about 1 in 1,900. Unfortunately, this evaluation study did not cover mobile home parks.

New construction from old permits--A sample of new construction units whose permits were issued before January 1970 was selected as follows. Units whose permits were issued before January 1970, but which were completed after the census, were identified from the Survey of Construction (SOC), a survey of building permits conducted monthly by the Bureau of the Census. These units were then sampled so that the overall probability of selection was about 1 in 1,320. They were added to the AHS starting with the 1976 survey.

Mobile home parks--A sample of mobile homes placed in parks missed by the Census or established after the Census was selected as follows. A list of mobile home parks was obtained from commercial listings. This list was then supplemented by additional parks identified by a canvassing operation similar to that performed in EDs where area sampling methods are used. Unfortunately, however, this canvassing operation only represented about 92 percent of all Type C EDs. The parks were divided into clusters of four sites. These clusters were sampled so that the overall probability of selection of a unit was about 1 in 1,366. These were added to the AHS sample starting in 1976. The process was repeated in 1980, and the resulting mobile homes were added to the AHS in 1981.

Residual problems--The efforts described above leave a residual of hard-to-find units. The following list summarizes the units covered by all these methods, and the other types of units where a special residual effort was needed in Type C EDs:

1. Units in structures or mobile home parks covered in the 1970 Census (address lists)
2. Group quarters covered in the 1970 Census and converted to housing units (address lists)
3. Units erroneously missed by the 1970 Census (CEN-SUP units)
4. Building permits issued from January 1970 on (building permit sample)
5. Building permits issued up through December 1969 (SOC sample)
6. Mobile homes outside parks and vacant at the time of the 1970 Census (residual effort)
7. Mobile homes in parks missed by the 1970 Census or established after the Census (mobile home park sample)
8. Mobile homes placed outside parks after the 1970 Census (residual effort)

9. Units in structures that were totally non-residential at the time of the 1970 Census and were later converted to residential use (residual effort)
10. Houses moved onto a new site after 1970 Census (residual effort)

The residual effort was done in three stages. First, a subsample of the regular AHS sample units from the Census address list was selected. Second, succeeding structures that had been eligible to be selected from the Census address list were then listed until eight such additional structures (including mobile home parks) were found. Third, any structure between these nine was assessed. If it was of a type not covered by any of the other coverage improvement efforts, it was added to the sample and all or a subsample of units in it were interviewed, starting in 1976. The overall probability of selection for these units was highly variable, but averaged about 1 in 2,400. This procedure was not considered very efficient for finding non-residential conversions (which might be primarily in business districts), since the listing procedure started from a residential unit. The sample estimate of this component was approximately 16,000 units with a standard error of 12,000.

1.5 Business Sample

Non-residential conversions were surveyed again in 1980. Interviewers went to a sampling frame of businesses, originally prepared for a Department of Justice survey. Any structures which did not have housing units in them in the 1970 Census, but did by 1980, were considered non-residential conversions, and were added to the AHS sample in 1981.

2.0 Fate of Sample Units Over Time

The previous discussion describes how units join the AHS sample. They remain in it every year as long as possible. Even a unit which is converted to commercial purposes, or is boarded up and uninhabitable, is kept on the list as a Type B non-interview (a "recoverable loss"). It is revisited each survey in case it has been fixed up for residential use again. It drops out when it becomes a Type C non-interview ("unrecoverable loss," i.e., when it is demolished, totally burned down, etc.). Some units have also been dropped because of sample reductions, as explained below.

2.1 Splits and Mergers

When two or more units are merged into one unit, the order of the units on the listing sheet determines whether the unit stays in the sample. If the first unit was in the AHS sample, the new unit stays in the sample with the same control number the old unit had. Otherwise, it drops from the sample. For example, if Apartment 701 is in the AHS and Apartment 702 is in the Current Population Survey (or not in any Census Bureau survey), and they are merged into Apartment 701, AHS keeps the new unit. If the new unit is called Apartment 702, however, AHS loses the unit. It becomes a Type C non-interview ("merged, not in current sample").

When a unit is split into two or more units, both units stay in the sample. One unit retains the old control number, while the other will have a new control number, which cannot be linked to the control number of the unit from which it split.

This sampling plan makes longitudinal study of splits and mergers difficult. It will be modified when a new sample is drawn in 1985, by having AHS units as distant as possible from units in other Census Bureau samples, so that split and merged units can almost always be retained in the sample. The data base will also be modified to identify which units split from and which merged with each other.

2.2 Sample Reductions

By 1977, the additions to the sample from new construction and other additions to the housing stock had increased the total sample size (interviews plus non-interviews) to about 81,000. The sample was reduced by 7/97 to approximately 75,000 in 1977. However, this reduction did not include any CEN-SUP units or units which were selected as part of the 1976 Coverage Improvement Program. Thus, the overall probability of selection for these latter units remained unchanged, the probability for the rest of the units of selection was about 1 in 1,472 if they were urban and about 1 in 736 if they were rural.

In 1981, there was a similar cut-back of 5/90, so the probability of selection for the basic sample of urban units was 1 in 1,559. At the same time, the rural sample was cut back further by dropping half of the rural sample outside the 125 biggest SMSAs, and a quarter of the rural sample inside these 125 SMSAs. Thus, outside the 125 SMSAs, the probability of selection of rural units became equal to the probability for urban units; and inside the 125 SMSAs, the probability was about 1 in 1,039. Again, CEN-SUP and Coverage Improvement Program units were omitted from the cut-backs. In 1983 the rural units which had been cut back in 1981 were brought back.

2.3 1985 Sample

The 1983 survey was the last year of interviewing for the old sample which has been described above. In 1985 through 1993, a completely new sample drawn from the 1980 Census will be used. For each unit in the new sample, data from the 1980 Census Questionnaire will be provided to assist longitudinal studies. There will again be an oversample of rural units in 1987 and 1991. There will be a special sample of neighbors of AHS units in 1985, 1989 and 1993 to permit comparison among directly adjacent units.

3.0 SMSA Sample Selection

A list of 60 SMSAs was non-randomly selected to represent the largest and fastest growing SMSAs. This sample was originally intended to be the basis of a three-panel, 60 SMSA survey, with groups of the 60 SMSAs being interviewed each year, providing a representative sample of the nation. The largest SMSAs were initially interviewed with large samples. From 1978 on, however, budget cutbacks forced the sample sizes to be reduced (see below for more details).

Within the selected SMSAs, SMSA samples were drawn in the same way as described for the national sample with the following exceptions:

Each SMSA was divided into permit-issuing areas and non-permit-issuing areas, which were then sampled separately.

EDs of Type B, where permits are required for new construction and addresses compiled for the 1970 Census were incomplete or inadequate, do not use area samples in the SMSA surveys as they do in the national. They use address listings, just like Type C EDs. They were rare enough in the selected SMSAs that the risk of not being able to find the unit based on its inadequate address was considered acceptable. To help find the unit, the enumerator was given a list of the five units on either side of the sample unit, and the name of the 1970 occupant.

Central cities were sampled separately from the rest of each SMSA. The sampling rate, nevertheless, was about the same in central cities as in the suburbs of each SMSA, except for 12 SMSAs where especially large samples were drawn. These 12 can be identified in Table 2 of the Geography Section. In these 12, equal sample sizes were taken from the central city and suburban portions of the SMSA, so the sampling rates were different.

In address-listing areas, sampling was based on the 20 percent of units which answered "long form" questionnaires in the 1970 Census.

Occupied and vacant housing units were sampled separately from special places and group quarters.

Occupied housing units were stratified by race (non-Black/Black); tenure (owner/renter); number of persons related to head, including head (1, 2, 3, 4, 5+); and income of head and relatives (\$0-3K, 3-6K, 6-10K, 10-15K, 15+K) -- a total of 100 strata.

Vacant units were stratified into four categories: inexpensive (under \$80 rent or \$15,000 value), medium, expensive (\$120+ rent or \$25,000+ value), and other (i.e., units not for sale or rent, such as seasonally vacant units).

Special places and group quarters were stratified by ED.

Clusters of two were used for the sample from long-form questionnaires. This means two adjacent questionnaires were chosen from the stratified list of questionnaires. The units were not necessarily geographically close. Clusters of four were used for area segments, building permits, special places, and group quarters.

Building permits are sampled up to 5 months before the end of interviewing, not the beginning.

In address-listing areas, new units in sample structures are not listed and are not sampled. Such units were therefore included in the Coverage Improvement Program.

Coverage improvement for new construction (after April 1, 1970) from old permits (before January 1, 1970) was conducted substantially differently from the national sample. A sample of permit offices was taken and a sample of 1969 permits in them, wherever data could be obtained. One-to-two unit structures were then sampled at one-fourth the normal AHS rate for the SMSA. Larger structures were subdivided into clusters of two and sampled at one-half the normal rate. In SMSAs where necessary data could not be obtained, permits identified by the Survey of Construction were sampled at one-third the normal rate.

Each SMSA sample is divided into 12 equal-sized and equally representative parts. Each month a different one is interviewed. A few interviews may extend into the following month, and new construction may be interviewed even later in the year, but these units are still considered to "belong" to the panel in which they were originally assigned, and are identified in IMONTH as belonging to that panel, regardless of when they are interviewed. An overall sample cut-back was undertaken in 1977, by omitting the March panel. Additional cut-backs were made in 1981 and 1982: the January-March panels of all SMSAs were eliminated. In 1981 five more panels were omitted for large-sample SMSAs, so that in three SMSAs (Boston, Detroit and Washington) only the June-August and October panels were interviewed. In 1983 and later surveys, all SMSAs were cut back, particularly among owned units, to have a smaller sample size, with at least half the sample being renters whenever possible. No interviewing is done in January through March from 1983 on; any cases retained from those panels have been assigned new panel numbers. The purpose of oversampling renters was to increase the reliability of HUD estimates of rent level in each market. These estimates are used in subsidy programs.

Starting in 1984, new areas were added to cover some new SMSAs and new areas of old SMSAs. See Table 2 in the Introduction. Samples for these new areas were selected from the 1980 Census. Otherwise, the old samples were preserved, except in Houston where the old sample was considered unreliable and a completely new sample was drawn from the 1980 Census.

4.0 Weights

The variable WEIGHT is not simply the inverse of the probability of selection for each unit, but includes several adjustments, designed to adjust for random variation in the original selection of the NSR PSUs, to account for refusals and other missed interviews, and to make AHS estimates conform to Survey of Construction (SOC) estimates, Housing Vacancy Survey (HVS) estimates, and Current Population Survey (CPS) estimates. CPS estimates themselves are adjusted to independent estimates of total population, based on census counts, National Center for Health Statistics data on births and deaths, and Census Bureau estimates of net migration. These adjustments change each year, so the variable WEIGHT also changes.

The variable "pure weight," (PWT) is more appropriate than WEIGHT for longitudinal analyses. It is the inverse of the probability of selection. It changes only because of formal sample reductions. For example, the 7/97 reduction in 1977 increased the weight of remaining units by 97/90ths.

4.1 Adjustments

4.1.1 Non-Interview Adjustment

Type A non-interviews include refusals and other situations where data should have been but were not collected. The weights of these units are set to zero, and weights of responding units are correspondingly increased by the following ratio:

$$\frac{\text{Interviewed units} + \text{Type A non-interviews}}{\text{Interviewed units}}$$

This approach assumes that non-responding units (about 5 percent of the total) would have responded like the others. This ratio is calculated by weighting each unit at the inverse of its probability of selection. It is done separately for each of the cells in Table B-1, in each Census region. However, if there are less than 30 cases in a cell, or if the ratio in the cell would be 1.5 or more, the cell is combined with the cell having the closest scale value, as shown in Table B-1. Such combinations continue until neither condition is failed.

Table B-1

NON-INTERVIEW ADJUSTMENT CELLS AND SCALE VALUES, NORTHEAST REGION
(repeated for each region)

	SMSA			Non-SMSA	
	Central City of SMSA	Balance Urban	Balance Rural	Urban	Rural
<u>Occupied</u>					
Permit Segments	1	3	4	101	103
Area Segments					
Mobile Homes	51	61	64	151	161
Non-Mobile Homes	21	31	34	121	131
Address & Other Segments					
Mobile Homes	50	60	63	150	160
Non-Mobile Homes	20	30	33	120	130
<u>Vacant & URE</u>					
Permit Segments	301	303	304	501	503
Area Segments	321	341	351	521	541
Address & Other Segments	320	340	350	520	540

4.1.2 PSU Adjustment

This adjustment is used only in NSR PSUs. It takes into account the differences that existed at the time of the 1970 Census between the sampled NSR PSUs and all other NSR PSUs. This difference arises purely from the natural variability of samples, and is adjusted by multiplying the following fraction times the inverse of the probability of selection for each unit:

$$\frac{305}{\sum_{i=1} \frac{1970 \text{ Census count of housing units in } i\text{th NSR PSU in sample}}{\text{Probability of selection of } i\text{th NSR PSU}}}$$

It is done separately in each cell listed in Table B-2. It might be thought that this ratio could be multiplied by the pure weight to yield an adjusted weight that would be invariant over time and would be useful for longitudinal analysis. However, the appropriate ratio for a case depends on its tenure, which is not invariant, so the adjusted weight would not be invariant and would not be useful for longitudinal analysis.

Table B-2

PSU ADJUSTMENT CELLS

	Region			
	Northeast	North Central	South	West
<u>Occupied HUs</u>				
SMSAs				
Central City:	Owner			
	Renter			
Balance Urban:	Owner			
	Renter			
Balance Rural:	Owner			
	Renter			
Non-SMSAs				
Urban:	Owner			
	Renter			
Rural:	Owner			
	Renter			
<u>Vacant HUs (including UREs)</u>				
SMSAs				
Central City				
Balance				
Non-SMSAs				
Urban				
Rural				

4.1.3 New Construction Adjustment

This adjustment is used first for units where the value of BUILT is April 1, 1970 or later. It should be noted that units derived from the sample of building permits are forced to have a date of April 1, 1970 or later. If they have an earlier date, it is changed to match the date when the current reference person moved in, unless that date is also before April 1, 1970, in which case both are arbitrarily changed to January 1974. After these edits, the weights for all units built after April 1, 1970, whether from permit samples or area samples, are adjusted by the following ratio:

$$\frac{\text{Survey of Construction estimates of units built 4/1/70 or later}}{\text{AHS estimate of units built 4/1/70 or later}}$$

This ratio is calculated using the inverse of the probability of selection of each unit, adjusted by the PSU adjustment and the non-interview adjustment. Note that the denominator includes units in the current AHS sample and also cases dropped from the sample, because of demolitions, mergers, etc., as long as they were built April 1, 1970 or later. The SOC data used are total construction as of the end of the interviewing period. The ratio is calculated separately in each of the cells in Table B-3.

Table B-3

NEW CONSTRUCTION ADJUSTMENT CELLS

Date Built	Mobile Homes	Non-Mobile Homes	
		1 Unit	2+ Units
April 1970 - October 1973			
November 1973 - October 1974			
November 1974 - December 1975			
January 1976 - December 1976			
January 1977 - January 1978			
February 1978 - January 1979			
February 1979 - December 1979			
January 1980 - December 1980			
January 1981 - December 1981			

The above adjustment makes AHS estimates of total cumulative construction match SOC estimates. The occupied new construction units in the AHS are then counted, using these new adjusted weights. The resulting estimate of occupied new construction is subtracted from the Current Population Survey (CPS) estimate of total occupied units, to produce an estimate of occupied old units. The following ratio is then calculated:

$$\frac{\text{Estimate of occupied old units}}{\text{AHS estimate of occupied units built before 4/1/70}}$$

This ratio is calculated using weights as adjusted by all previous calculations. It is done for one cell consisting of all occupied units.

The result of this procedure is that if SOC misses some newly built units (which is possible in any survey), but CPS picks them up (which is possible because CPS totals are forced to match control totals based on vital statistics registrations and migrations), then AHS considers these extra households to be living in old construction, since new construction is matched to SOC, while total units are matched to CPS.

The adjustment process so far makes total occupied units match CPS counts, but does not necessarily make types of units match. That is done by the occupied units adjustment explained below.

4.1.4 Vacant and URE Units Adjustment

This adjustment is used only for vacant and URE units. The effect is to match Housing Vacancy Survey (HVS) data on the percent distribution of types of vacancies while preserving AHS data on the total number of vacancies. The weights resulting from the previous steps are adjusted by the following ratio:

$$\frac{\frac{\text{HVS estimate of vacant and URE units in a cell}}{\text{HVS estimate of vacant and URE units in all cells}}}{\frac{\text{AHS estimate of vacant and URE units in the cell}}{\text{AHS estimate of vacant and URE units in all cells}}}$$

This ratio is calculated using weights adjusted by all the previous calculations. It is calculated separately in each of the cells in Table B-4. However, if there are less than 50 cases in a cell, or if the ratio for the cell would be 2.0 or greater or 0.2 or less, the cell is combined with the cell having the closest scale value, as shown in the table. Such combinations continue until neither condition is failed. The HVS data used are an average of the third and fourth quarters of the calendar year.

Table B-4

VACANT AND URE UNITS ADJUSTMENT CELLS & SCALE VALUES

Year-round Vacant + UREs	
For Rent	900
For Sale Only	901
Other	903
Seasonal and Migratory Vacant + UREs	(This cell should not be collapsed with any other cell)

4.1.5 Occupied Units Adjustment

This adjustment is used only for occupied units. The weights resulting from the previous steps are adjusted by the following ratio:

$$\frac{\text{Current Population Survey estimate of occupied units}}{\text{AHS estimate of occupied units}}$$

This ratio is calculated using weights adjusted by all the previous calculations. It is calculated separately in each of the cells in Table B-5. However, cells can be combined as described for the Vacant and URE Units Adjustment, if the conditions mentioned there are failed. The CPS data used are estimated for October, being estimated by a regression on 35 months of CPS data, ending six months after the survey.

Table B-5

OCCUPIED UNITS ADJUSTMENT CELLS & SCALE VALUES

		Inside SMSAs		Outside SMSAs
		In Central Cities	Not In Central Cities	
<u>Owner-Occupied</u>				
White & Other:	Male	10	40	90
	Female	20	50	100
Black:	Male	210	240	290
	Female	220	250	300
<u>Renter-Occupied</u>				
White & Other:	Male	510	540	590
	Female	520	550	600
Black:	Male	710	740	790
	Female	720	750	800

4.2 Iteration

After all the above adjustments are done, the New Construction Adjustment, the Vacant and URE Units Adjustment, and the Occupied Units Adjustment are repeated, using the same numerators as before, but using denominators recalculated with weights adjusted by the results of the first iteration.

4.3 Journey to Work Supplement

The process above produces a household weight. The composition of households in the AHS sample differs very slightly from the CPS sample, due to normal sampling variability and perhaps procedural differences. Therefore, analysis of workers in the AHS Journey to Work Supplement might differ from analysis of workers in CPS. Another step of ratio estimation was therefore used to make AHS population characteristics match CPS population characteristics. The ratio was multiplied by the household weight to obtain a personal weight, which is stored for each worker as WWT1-8. For most purposes, and certainly for any research on households, these individual weights can be ignored, but they do produce estimates of employed workers more similar to CPS estimates.

4.4 1980 Census Adjustments

The weights of the national AHS are not directly benchmarked to the 1970 or 1980 Census. They are benchmarked to CPS and HVS which in turn were benchmarked to the 1970 Census until 1980, when they were adjusted to match the 1980 Census. The AHS national data from 1973-1980 are ultimately based on the 1970 Census, and from 1981 on are based on the 1980 Census. This introduces a discontinuity in time series. The discontinuity was extensively discussed in U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 127, Money Income and Poverty Status of Families and Persons in the United States: 1980, with data comparing the old 1970 base and the 1980 base. In order for users of AHS tapes to test the effect of the discontinuity, the variable OLDWT is present on the 1981 National file. It is adjusted to the old series of CPS and HVS estimates, those based on the 1970 Census, and thus is comparable with WEIGHT in earlier years. Starting in the 1981 national core file, the variable WEIGHT is adjusted to the new CPS and HVS estimates, based on the 1980 Census. None of these considerations applies to PWT, which remains the inverse of the probability of selection and is most appropriate for longitudinal analysis.

4.5 Rural Weights

All of these adjustments are calculated in exactly the same way for rural and urban units, the only difference being that the initial probability of selection, as noted above, is twice as high for rural units, so their weights end up half as much as the weights of urban units.

On the public use tapes, as discussed in the section on geographic codes, rural units are normally identified as rural, and the interested researcher can verify that their weights are half as much as for urban units.

In the 125 SMSAs identified on the public use tapes (in the variable "SMSA"), rural-urban codes are suppressed to preserve confidentiality of families in the small rural portions of these SMSAs. If the weights had been left alone, it would have been possible to identify rural units by their small weights. On the other hand, if the weights had been doubled, then any results in these SMSAs would have been over-estimated. Therefore, half of the rural units in these 125 SMSAs were deleted from the basic file, and the weights of the other half of the rural units were doubled. The interested researcher can verify that no low-weighted units appear in these SMSAs, and that all cases in these SMSAs have code "9", meaning "code suppressed", in the variable urban.

The half of the rural units in these SMSAs that were initially deleted are also included on the data tapes and can be identified with a special variable, RURREC (they have a code 2 in RURREC, all other cases have code 1). The fact that these RURREC=2 units are rural is shown by appropriate codes (2-5) in the variable URBAN. In order still to protect the confidentiality of families in rural areas of these 125 SMSAs, the SMSA code was suppressed. Therefore, the researcher can be sure that any cases with 2 in RURREC are rural, and are somewhere in the 125 SMSAs, but will not know which SMSA. Since this is half the original sample of rural cases in the 125 SMSAs, their weights have been doubled to provide an estimate of these rural areas. The interested researcher can use these RURREC=2 cases for estimates of rural portions of the 125 SMSAs, or can combine them with other rural cases (i.e., ignore RURREC and use all units having code 2-5 in the variable URBAN), to obtain estimates for all rural areas in the country.

4.6 SMSA Surveys

Weighting for the SMSA surveys is similar to that described for the national surveys. There are five adjustments in WEIGHT: the non-interview adjustment, a special stratification adjustment, a new construction adjustment, a special Houston adjustment, and a Decennial Census adjustment.

The non-interview adjustment is calculated separately for each cell listed in Table B-6. However, if there are less than 30 cases in a cell, or if the ratio in the cell would be 1.5 or more, the cell is combined with the cell having the closest scale value, as shown in Table B-6.

The stratification adjustment, is calculated separately for each cell listed in Table B-7. It is calculated only for units taken from the 1970 Census long form questionnaires that are not group quarters and special places, i.e., for old housing units in permit-issuing areas. The weights resulting from the non-interview adjustment are adjusted by the following ratio:

$$\frac{\text{1970 Census count of housing units in permit-issuing areas}}{\text{AHS estimate of 1970 housing units in permit-issuing areas}}$$

This ratio is calculated using the inverse of the probability of selection of each unit, adjusted by the non-interview adjustment. Note that the denominator includes units in the current AHS sample and also cases dropped

Table B-6

Noninterview Adjustment Cells and Scale Values By SMSA

Income in 1970	Units Occupied in 1970 in Address Segments											
	Central City 1											
	Race of Head in 1970											
	Nonblack						Black					
	Owner in 1970			Renter in 1970			Owner in 1970			Renter in 1970		
Family Size in 1970			Family Size in 1970			Family Size in 1970			Family Size in 1970			
1	2	3+	1	2	3+	1	2	3+	1	2	3+	
Under \$3,000	1	4	8	61	64	68	201	204	208	261	264	268
\$3,000-\$9,999	2	5	9	62	65	69	202	205	209	262	265	269
\$10,000-\$14,999	18	23	29	78	83	89	218	223	229	278	283	289
\$15,000 and over	19	24	30	79	84	90	219	224	230	279	284	290

Income in 1970	Units Occupied in 1970 in Address Segments											
	Central City 2											
	Race of Head in 1970											
	Nonblack						Black					
	Owner in 1970			Renter in 1970			Owner in 1970			Renter in 1970		
Family Size in 1970			Family Size in 1970			Family Size in 1970			Family Size in 1970			
1	2	3+	1	2	3+	1	2	3+	1	2	3+	
Under \$3,000	501	504	508	561	564	568	701	704	708	761	764	768
\$3,000-\$9,999	502	505	509	562	565	569	702	705	709	762	765	769
\$10,000-\$14,999	518	523	529	578	583	589	718	723	729	778	783	789
\$15,000 and over	519	524	530	579	584	590	719	724	730	779	784	790

Income in 1970	Units Occupied in 1970 in Address Segments											
	Balance											
	Race of Head in 1970											
	Nonblack						Black					
	Owner in 1970			Renter in 1970			Owner in 1970			Renter in 1970		
Family Size in 1970			Family Size in 1970			Family Size in 1970			Family Size in 1970			
1	2	3+	1	2	3+	1	2	3+	1	2	3+	
Under \$3,000	1501	1504	1508	1561	1564	1566	1701	1704	1708	1761	1764	1768
\$3,000-\$9,999	1502	1505	1509	1562	1565	1569	1702	1705	1709	1762	1765	1769
\$10,000-\$14,999	1518	1523	1529	1578	1583	1589	1718	1723	1729	1778	1783	1789
\$15,000 and over	1519	1524	1530	1579	1584	1590	1719	1724	1730	1779	1784	1790

	Vacant Units and Units in Other Segments Not Included Above		
	Central City 1	Central City 2	Balance of SMSA
	Units vacant in 1970 in address segments	105	605
Units in special places in address segments	53	553	1533
New construction in permit segments and coverage improvement samples	96	596	1596
Mobile homes in area segments and coverage improvement samples	98	598	1598
Other units	99	599	1599

Table B-7

Stratification Adjustment Cells and Scale Values by SMSA

Income in 1970	Units Occupied in 1970 in Address Segments															
	Central City 1															
	Race of Head in 1970															
	Nonblack								Black							
	Owner in 1970				Renter in 1970				Owner in 1970				Renter in 1970			
Family Size in 1970				Family Size in 1970				Family Size in 1970				Family Size in 1970				
1	2	3-4	5+	1	2	3-4	5+	1	2	3-4	5+	1	2	3-4	5+	
Under \$3,000	1	4	9	15	30	34	39	45	401	404	409	415	430	434	439	445
\$3,000-\$9,999	2	5	10	16	31	35	40	46	402	405	410	416	431	435	440	446
\$10,000-\$14,999	80	81	70	76	110	111	100	106	480	481	470	476	510	511	500	506
\$15,000 and over			71				101				471				501	

Income in 1970	Units Occupied in 1970 in Address Segments															
	Central City 2															
	Race of Head in 1970															
	Nonblack								Black							
	Owner in 1970				Renter in 1970				Owner in 1970				Renter in 1970			
Family Size in 1970				Family Size in 1970				Family Size in 1970				Family Size in 1970				
1	2	3-4	5+	1	2	3-4	5+	1	2	3-4	5+	1	2	3-4	5+	
Under \$3,000	1001	1004	1009	1015	1030	1034	1039	1045	1401	1404	1409	1415	1430	1434	1439	1445
\$3,000-\$9,999	1002	1005	1010	1016	1031	1035	1040	1046	1402	1405	1410	1416	1431	1435	1440	1446
\$10,000-\$14,999	1080	1081	1070	1076	1110	1111	1100	1106	1480	1481	1470	1476	1510	1511	1500	1506
\$15,000 and over			1071				1101				1471				1501	

Income in 1970	Units Occupied in 1970 in Address Segments															
	Balance															
	Race of Head in 1970															
	Nonblack								Black							
	Owner in 1970				Renter in 1970				Owner in 1970				Renter in 1970			
Family Size in 1970				Family Size in 1970				Family Size in 1970				Family Size in 1970				
1	2	3-4	5+	1	2	3-4	5+	1	2	3-4	5+	1	2	3-4	5+	
Under \$3,000	3001	3004	3009	3015	3030	3034	3039	3045	3401	3404	3409	3415	3430	3434	3439	3445
\$3,000-\$9,999	3002	3005	3010	3016	3031	3035	3040	3046	3402	3405	3410	3416	3431	3435	3440	3446
\$10,000-\$14,999	3080	3081	3070	3076	3110	3111	3100	3106	3480	3481	3470	3476	3510	3511	3500	3506
\$15,000 and over			3071				3101				3471				3501	

Rent or Value in 1970	Vacant Units in 1970 in Address Segments		
	Central City 1	Central City 2	Balance of SMSA
Rent under \$80 or value under \$15,000	199	1199	3119
Rent of \$80-\$119 or value of \$15,000-\$24,999	201	1201	3201
Rent of \$120 and over or value of \$25,000 and over	202	1202	3202
Remaining vacants	205	1205	3205

from the sample, because of demolitions, mergers, etc. All units are classified by their 1970 characteristics, not the current characteristics. The ratio is calculated separately in each of the same cells used for the non-interview adjustment. If there are less than 20 cases in a cell or if the ratio in a cell would be 2.0 or greater, or 0.2 or less, the cell is combined with the cell having the closest scale value, as shown in Table B-7.

The effect of this adjustment procedure in SMSAs is to reduce somewhat the variance due to variation in sampling rates for different strata in the address-listing areas. In principle there should be no difference in sampling rates for different strata. However, before the AHS sample selection in each SMSA, units already selected for other Census Bureau surveys were deleted from the lists. Thus, some variation in effective sampling rates was introduced during the AHS sample selection process.

The new construction adjustment is calculated only in the 1979 and later surveys, and only for sample units resulting from building permits issued since the previous survey in the SMSA. It is used in most SMSAs, but not in the following, where comparable data are not available: Albany, Birmingham, Honolulu, Houston (see below for an adjustment which was used instead), Memphis, New York, Oklahoma City, Omaha, Portland, and Raleigh. Where this adjustment was used, its effect is to match AHS estimates to estimates from the Survey of Construction (SOC) on the proportion of new construction done in central cities and suburbs, while preserving AHS estimates of total new construction. The weights resulting from the previous steps are adjusted by the following ratio:

$$\frac{\frac{\text{SOC estimate of permits issued in the cell since November of the previous survey}}{\text{SOC estimate of permits issued in the SMSA since November of the previous survey}}}{\frac{\text{AHS estimate of permits issued in the cell since November of the previous survey}}{\text{AHS estimate of permits issued in the SMSA since November of the previous survey}}}$$

This ratio is calculated weighting each AHS sample case by the inverse of its probability of selection. It is calculated separately in only two cells in each SMSA: central city(ies) and balance of SMSA.

The special Houston adjustment is calculated only in the 1979 survey, and only for housing units built since April 1, 1970 in the Houston SMSA, outside the central city. The effect is to obtain a better estimate of the great growth the Houston area experienced during the seventies in non-permit-issuing areas. The weights resulting from the previous steps are adjusted by the following ratio:

$$\frac{\text{AHS estimate} + \text{Census Bureau estimate of the undercount}}{\text{AHS estimate}}$$

This ratio is calculated using the weights adjusted by the non-interview adjustment and the stratification adjustment. It is calculated separately in four cells:

In 1976 survey Not in 1976 survey

Mobile homes
Units other than mobile homes

The Decennial Census adjustment is used in the 1979 and 1980 surveys. The effect is to match AHS estimates to data from the 1980 Census. The weights resulting from the previous steps are adjusted by the following ratio:

$$\text{in 1979: } \frac{\text{1980 Census count} \times 19 + \text{1970 Census count}}{20} \div \text{AHS estimate}$$

$$\text{in 1980: } \frac{\text{1980 Census count} \times 21 - \text{1970 Census count}}{20} \div \text{AHS estimate}$$

This ratio is calculated using weights adjusted by all the previous steps. It is calculated separately for two cells in each SMSA: central city(ies) and balance of SMSA. The 1981 and later SMSA surveys are usually adjusted to Census Bureau estimates of the current number of households in each SMSA. These estimates are based on the 1980 Census, building permits and demolition permits. The adjustment is not used when it is felt that the current estimate is particularly unreliable.

The weight resulting from all these steps is stored in the variable WEIGHT. The reader will note that up through the 1978 survey, only two adjustments are used: the non-interview adjustment and the stratification adjustment. All the other adjustments began in 1979. For comparability, a special variable called "OLDWT" is available on the 1979 and later surveys, including only the non-interview adjustment and the stratification adjustment.

5.0 Variance Estimation For The AHS National Files

This variance estimation methodology is a modification of what the Census Bureau uses for calculating AHS-National variances. These modifications are necessary to reflect the information that is available in the AHS public use file. The calculation can be done weighting the cases with either WEIGHT or PWT. Use of WEIGHT will result in a very slight overestimate of variance, but the difference is negligible. Variance calculations for the SMSA surveys are not presented here; the tables of variances shown in Appendix B of each published SMSA report can be used.

The variance for an estimate is equal to the sum of the variance for the estimate from self-representing (SR) PSUs plus the variance for the estimate from non-self-representing (NSR) PSUs. The SR component reflects the effect of the sampling of clusters within the SR PSUs. The NSR component reflects the effects of the sampling of PSUs within the NSR strata as well as the sampling of clusters within the NSR PSUs.

5.1 Self-Representing PSUs

The technique for the SR PSUs is to group these PSUs into 46 relatively homogeneous groupings, then divide the cases in each group in half at random, prepare the estimate in each half, square the difference of these two estimates, and add up these squared differences across all 46 groupings. The process is carried out ten times and the results are averaged to get the final estimate of variance in SR PSUs. The repetitions and the averaging are not strictly required. In effect they reduce the variance of the estimate of variance. The SR variance component of an estimate of characteristic X is calculated using the following formula:

$$\text{Var}(X')_{\text{SR}} = \frac{\sum_{r=1}^{10} \sum_{s=1}^{46} (X'_{rs1} - X'_{rs2})^2}{10}$$

where: X' is the estimate of characteristic X.

r is a subscript identifying the half-sample replications used in this variance estimation. For AHS, these half-sample replications are formed by utilizing the panel numbers assigned to the AHS cases. Panel number can be found in the 4th digit (counting from the left) of the control number.

s is the subscript identifying the groupings of socio-economically similar SR PSUs used in this variance estimation. The general class of SR PSUs can be distinguished by a code 1.0000 in AWT. Then the cases in each socio-economically similar grouping are identified by unique codes in NCLUS (codes are scattered between 1001 and 2060).

X'_{rs1} is the estimate of characteristic X based on the AHS sample cases in the first half-sample of the r^{th} replication in the s^{th} group of PSUs.

X'_{rs2} is the estimate of characteristic X based on the AHS sample cases in the second half of the r^{th} replication in the s^{th} group of PSUs.

For AHS, the half-samples within each of the replications are defined as follows:

<u>Replication</u>	<u>Panel Numbers Included In First Half-Sample</u>	<u>Panel Numbers Included In Second Half-Sample</u>
1	1,2,3	4,5,6
2	1,2,4	3,5,6
3	1,2,5	3,4,6
4	1,2,6	3,4,5
5	2,3,4	1,5,6
6	2,3,5	1,4,6
7	2,3,6	1,4,5
8	1,3,4	2,5,6
9	1,3,5	2,4,6
10	1,3,6	2,4,5

5.2 Non-Self-Representing PSUs

The NSR variance component of an estimate of characteristic X is calculated using the following formula:

$$\text{Var}(X')_{\text{NSR}} = \sum_{s=101}^{210} \left(A_{s3} \left(\frac{X'_{s1} + X'_{s2}}{2} - A_{s1} X'_{s3} \right)^2 + \left(\frac{21}{4} \right) \sum_{s=101}^{210} (A_{s3})^2 [X'_{s1} - X'_{s2}]^2 \right)$$

where: X' is the estimate of characteristic X.

s is a subscript identifying the pairs of strata used in the sample selection. For AHS, s goes from 101 to 210 and it can be identified by the third through fifth digits (counting from the right) of RCLUS.

s1,s2,s3--These are subscripts identifying the individual PSUs within the sth pair of strata. These subscripts can be calculated by analyzing the second digit, counting from the right, of RCLUS, in combination with AWT. The cases with "1" in this digit are in PSU s1. Other cases with the same value of s and the same value of AWT as PSU s1 are in PSU s2. Remaining cases with the same value of s but a different value of AWT are in PSU s3. Note that this calculation depends on there always being three PSUs in each pair of strata. In instances where the third PSU sampled from the pair of strata is identical to one of the other PSUs (possible, because it was chosen independently), some cases from the PSU that was selected twice are identified as being in the "third" PSU.

X'_{s0} is the estimate of characteristic X based on the AHS sample cases in PSU 0 of the sth NSR Random Cluster.

X'_{s1} is the estimate of characteristic X based on the AHS sample cases in PSU 1 of the sth NSR Random Cluster.

X'_{s2} is the estimate of the characteristic X based on the AHS sample cases in PSU 2 of the s^{th} NSR Random Cluster.

A_{s0} is the value of AWT associated with AHS sample cases in PSU 0 of the s^{th} NSR Random Cluster.

A_{s2} is the value of AWT associated with AHS sample cases in PSU 2 of the s^{th} NSR Random Cluster.

5.3 Special PSUs

Five cases on the 1981 file (derived from the business sample discussed in section 1.5 above) are outside the normal PSUs chosen for the AHS. These cases can be used for normal estimates, but must be ignored for variance calculations. They have codes of 9999 in NCLUS, 99999 in RCLUS and 999999 in AWT. All the other cases derived from the business sample fell in normal AHS PSUs, so they will be included in the calculations described above.

APPENDIX C

SELECTED MEASURES OF INADEQUACY AND HOUSEHOLD CLASSIFICATION

1.0 Measures of Inadequacy

A wide body of literature exists on the definition and measurement of housing quality. Quality measures have included measures of inadequacy, minimal criteria of physical adequacy, overcrowding, excessive housing cost burden, and levels of housing amenities. Aggregations, summary ratings, hedonic indices and other econometric techniques have been used to derive indications of quality.

It should be noted that one of the main purposes of the Annual Housing Survey is to measure inadequate housing. The survey includes many questions related to housing deficiencies (lack of heat, breakdowns, leaks, holes, etc.) and relatively fewer questions on housing attributes and amenities which can be used as indicators of different levels of housing quality. The discussion therefore focuses on measures of inadequate housing.

1.1 Definitions of Inadequacy

Two indices are shown as examples below. They are often used at HUD, but they are not official in any sense. They illustrate some of the ways the items can be combined. The examples use variables which are present consistently in the 1973N-78N and 1974S-81S surveys, so they can be used for widespread comparisons across time.

Seriously inadequate--A unit is considered seriously inadequate if it has any of the following five problems:

- | | |
|----------|--|
| Plumbing | Lacking hot or cold piped water or a flush toilet, or lacking both bathtub and shower, all inside the structure for the exclusive use of the unit. |
| Heating | Having three or more breakdowns of the heating equipment last winter, each lasting 6 hours. |
| Electric | Having no electricity, or all of the following three electric problems: exposed wiring; a room with no working wall outlet; and three blown fuses or tripped circuit breakers in the last 90 days. |
| Upkeep | Having any five of the following six maintenance problems: leaky roof; leaky basement; holes in the floors; holes or open cracks in the walls or ceilings; more than a square foot of peeling paint or plaster; or rats or mice in the last ninety days. If the unit has no basement, any four of the remaining five problems would be enough to count the unit as seriously inadequate. |
| Hallways | Having all of the following three problems in public areas: no working light fixtures; loose or missing steps; and loose or missing railings. |

Moderately inadequate--A unit is considered moderately or seriously inadequate if it has any of the following six problems:

- | | |
|----------|---|
| Plumbing | Same as above, or having only one toilet, which broke down three times, six hours each time, in the last six months. |
| Heating | Same as above, or having unvented gas, oil or kerosene heaters as the main source of heat. |
| Electric | Same as above. |
| Upkeep | Having any three of the overall list of six problems mentioned above, regardless of whether the unit has a basement or not. |
| Hallways | Having any two of the three problems mentioned above. |
| Kitchen | Lacking a sink, range, or refrigerator, all inside the structure for the exclusive use of the unit. |

1.2 Programming Commands for Inadequacy Measures

The two indices can be programmed by the commands shown below. You should adapt these commands to the particular computer language or software package you are using. The commands calculate a new variable, INAD or INAD2. Zero means adequate and one means inadequate. The variables start out zero on all units:

Seriously inadequate (INAD):

INAD = 0

Plumbing If PLUMB = 2 or PLUMB = 3 then INAD = 1

Heating If NUMCOLD = 3 or NUMCOLD = 4 then INAD = 1

Electric If BUYE = 2 or PAYE = 3 then INAD = 1
 If NOWIRE = 2 and PLUGS = 2 and NUMBLOW = 3 then INAD = 1

Upkeep N = 0
 If RLEAK = 1 then N = N + 1
 If BLEAK = 1 then N = N + 1
 If HOLES = 1 then N = N + 1
 If CRACKS = 1 then N = N + 1
 If PAINT = 1 or PLASTER = 1 then N = N + 1
 If RATS = 1 then N = N + 1
 If N > 5 then INAD = 1
 If BLEAK = 9 and N = 4 then INAD = 1

Hallways If (LTS = 2 or LTSOK = 3) and BADSTEP = 1 and (RAILOK = 2 or
 RAILOK = 3) then INAD = 1

NOTE: In the 73N-74N and 74S-75S surveys, PAINT and PLASTER were combined in one question, so the line where these are referred to above should be changed to:

 If BIGP = 1, then N = N + 1

This change of phrasing does introduce a discrepancy in the time series, since more people identify peeling paint and plaster when the questions are asked separately than when the questions are combined.

Moderately inadequate (INAD2):

INAD2 = 0
If INAD = 1 then INAD2 = 1

Plumbing If NUMTLT = 3 or NUMTLT = 4 then INAD2 = 1

Heating If HEQUIP = 7 then INAD2 = 1

Upkeep If N ≥ 3 then INAD2 = 1

Hallways N = 0
 If LTS = 2 or LTSOK = 3 then N = N + 1
 If BADSTEP = 1 then N = N + 1
 If RAILOK = 2 or RAILOK = 3 then N = N + 1
 If N ≥ 2 then INAD2 = 1

Kitchen If KITCHEN = 2 or KITCHEN = 3 then INAD2 = 1

NOTE: In the 73N-76N and 74S-75S surveys, the coding of HEQUIP was different, so that "HEQUIP = 7" above should be changed to "HEQUIP = 6." The change of phrasing is so slight that it probably does not introduce any discrepancy in the time series.

1.3 Inadequacy Index Design Considerations

It should be noted that these indices are very subjective about what is important and what items should be included. Experience however seems to indicate that conclusions based on alternative measures do not differ significantly.¹ Other indices are used for other purposes. In particular, data on crowding and housing costs are often added to obtain a more complete index of housing problems.

Some of the items in these indices are included because they cause serious discomfort to occupants, such as heating breakdowns or lack of plumbing. Other items may be acceptable to occupants but pose a major safety hazard, such as the electrical problems, or unvented kerosene heaters. It is interesting to note that the number of blown fuses, when used by itself, is correlated with income. Richer people tend to own more appliances, which blow fuses. However when blown fuses are combined with the other electric problems, they do seem to indicate housing with unsafe wiring. Many other items could be added to the indices. For example a complete lack of heat is not listed, because it is too hard to separate cold areas of the country, where lack of heat is a serious problem, from warmer areas like Hawaii where it is a less serious problem. Each analyst has a chance to make fresh judgements on these issues.

Regardless of which measure is selected, it should be remembered that the Annual Housing Survey data are collected by interviewing the occupants of a sampled unit and, as such, reflect subjective assessments of the unit's characteristics and quality. Since the data are based on individual perceptions and evaluations, the background and characteristics of the household should be taken into account when analyzing the results. For example, some studies which have compared the occupant's responses to a housing condition interview with the results of objective physical inspections of the units indicated that homeowners generally rated their units more favorably than renters; that low value, low rent, low income groups tended to rate the condition of their unit higher than physical inspections indicated; that occupants in higher income brackets tended to downgrade ratings of their units; and that elderly occupants tended to under-report condition problems. In addition, patterns of responses can differ between urban and rural areas. Housing attributes (especially neighborhood-related characteristics and services) can be rated differently by urban vs. rural respondents in light of their relative importance.

¹For example, Abt Associates, in Participation and Benefits in the Urban Section 8 Program: New Construction and Existing Housing, used three different measures of inadequate housing: a HUD measure, a measure developed at the Office of Management and Budget and a measure developed by Levine for the Congressional Budget Office. The results did not differ. (Washington, D.C. October 1981. Government Printing Office HUD-PDR-680).

2.0 Household Classification

2.1 Examples of Household Classifications

Various classifications of household composition can be developed. For example, researchers may decide to develop measures which indicate:

1. Male reference person versus female reference person.
2. Male adult present versus female adult present, versus both present.
3. One-parent households versus two-parent households versus households without children.

If one is concerned about children living with only one parent, the third classification is best, because it identifies them directly. If one is concerned about the problems of women in our society, the second scheme is best, because it includes all women. The first scheme is often used, but it does not measure either issue well.

Even the third scheme is conceptually ambiguous. How would one classify a mother, daughter and granddaughter living together? The answer depends on the researcher's need. In some respects this is like a one-parent family; but in terms of the number of responsible adults available to help bring up the child, it is like a two-parent family.

Researchers should try to think through as many such anomalies as possible, since almost every combination will occur somewhere in the sample. HUD often uses the following six-part scheme to resolve as many anomalies as possible:

With children

1. One adult with child(ren)
2. Two or more adults with child(ren).

Elderly without children

3. One elderly adult without children
4. Two or more adults, at least one of them elderly, without children.

Non-elderly without children

5. One non-elderly adult without children
6. Two or more non-elderly adults without children.

In this scheme, adults are defined as 18 years of age or over and elderly as 62 or over; either cut-off could of course be changed.

2.2 Programming Commands for Household Classifications

This index can be programmed fairly simply. The appropriate commands are shown below:

Count adults (assume reference person is always adult):

```
ADULTS = 1
If AGE2  $\geq$  18 and (SEX2 = 1 or SEX2 = 2) then ADULTS = ADULTS + 1
...
If AGE15  $\geq$  18 and (SEX15 = 1 or SEX15 = 2) then ADULTS = ADULTS + 1
```

Count Elderly:

```
ELDER = 0
If ZAGE  $\geq$  11 and (SEX = 1 or SEX = 2) then ELDER = ELDER + 1
If AGE2  $\geq$  62 and (SEX2 = 1 or SEX2 = 2) then ELDER = ELDER + 1
...
If AGE15  $\geq$  62 and (SEX15 = 1 or SEX15 = 2) then ELDER = ELDER + 1
```

Classify Families:

```
If PER > ADULTS and ADULTS = 1 Then CLASS = 1
If PER > ADULTS and ADULTS  $\geq$  2 Then CLASS = 2
If ELDER  $\geq$  1 and PER = ADULTS and ADULTS = 1 then CLASS = 3
If ELDER  $\geq$  1 and PER = ADULTS and ADULTS  $\geq$  2 then CLASS = 4
If ELDER = 0 and PER = ADULTS and ADULTS = 1 then CLASS = 5
If ELDER = 0 and PER = ADULTS and ADULTS  $\geq$  2 then CLASS = 6
```

Although the data tape already includes a few summary variables generated by the Census Bureau, users are recommended against using those, because they place undue emphasis on relationships to the reference person, and ignore other relationships in the household.

2.3 FORTRAN Programming Commands for Tabulation of Data

This program is reprinted here in response to the interest manifested by several users.

```
C FORTRAN PROGRAM TO TABULATE DATA
C
C THE PROGRAM CAN PREPARE A 1- 2- OR 3-WAY TABULATION. TOTAL ROWS,
C COLUMNS, A GRAND TOTAL TABLE, ROW PERCENTS, AND COLUMN PERCENTS ARE
C PRINTED AUTOMATICALLY. THERE IS NO LIMIT ON THE SIZE OF TABLES.
C EXAMPLES OF OUTPUT ARE SHOWN AFTER THE END OF THE PROGRAM.
C
C EACH TABULATION NEEDS 4 COMMANDS AS SHOWN IN THE SAMPLE PROGRAM:
C PARAMETER, DIMENSION, CALL BUILD, CALL PRINT. TWO TABULATIONS ARE
C SHOWN IN THE EXAMPLE, SO THERE ARE 2 PARAMETER COMMANDS, 2 DIMENSION
C COMMANDS, 2 CALL BUILD COMMANDS, & 2 CALL PRINT COMMANDS. THE SECTIONS
C THAT SHOULD BE CHANGED TO GET DIFFERENT TABULATIONS FROM THE 2 IN THE
C EXAMPLE HAVE BOXES AROUND THEM. IF YOU NEED MORE THAN 2 TABULATIONS,
C THEN CAREFULLY STUDY THIS EXAMPLE, & ADD NEW COMMANDS IN THE SAME
C STYLE. EACH SET OF 4 COMMANDS HAS A DISTINCTIVE LETTER (A OR B IN THE
C EXAMPLE). IF YOU NEED MORE THAN 2 TABULATIONS, USE OTHER DISTINCTIVE
C LETTERS, LIKE C, D, ETC.
C
C VARIABLES
C -----
C THE FIRST 3 NUMBERS IN THE 'PARAMETER' COMMAND ARE THE HIGHEST
C NUMBERS IN THE 1ST, 2ND & 3RD VARIABLES BEING TABULATED. IF THERE IS
C NO 2ND OR 3RD VARIABLE, USE ZERO FOR THE 2ND AND/OR 3RD NUMBER. USE
C YOUR CODEBOOK TO FIND THE HIGHEST NUMBER IN EACH VARIABLE: FOR EXAMPLE
C ZMETRO CAN BE: 1-METROPOLITAN OR 2-NON-METROPOLITAN, SO ITS HIGHEST
C NUMBER IS 2.
C
C AS ANOTHER EXAMPLE, IF A VARIABLE HAS CODES 1,2,8,9, THE HIGHEST
C IS 9, EVEN THOUGH ONLY 4 DIFFERENT CODES ARE USED. VARIABLES WITH VERY
C HIGH NUMBERS, SUCH AS INCOME, RENT, OR SMSA CODE, SHOULD BE CATEGORIZED
C INTO INCOME RANGES, ETC, OR ELSE THE TABLE WILL BE ENORMOUS. IF YOU
C MAKE A MISTAKE & THERE ARE CODES HIGHER THAN THE NUMBER YOU GIVE, OR
C LESS THAN ONE, THEY WILL BE INCLUDED IN TOTALS, BUT NOT IN THE BODY OF
C YOUR TABLE.
C
C THE NAMES OF THE VARIABLES THEMSELVES SHOULD BE PLACED IN THE
C 'CALL BUILD' COMMAND, FOR EXAMPLE: CALL BUILD(ZMETRO,PERZ,...
C THE LAST 6 ITEMS IN 'CALL BUILD': AO,A1,A2,...ETC. NEVER CHANGE.
C
C AVERAGES
C -----
C THE 4TH NUMBER IN THE 'PARAMETER' COMMAND IS THE NUMBER OF
C AVERAGES TO BE PRINTED IN EACH CELL. IT MAY BE ZERO TO 99; IN THE
C 1ST TABULATION BELOW, WE DID NOT WANT ANY AVERAGES, SO WE PUT 0 IN
C THE 4TH NUMBER IN THE 'PARAMETER' COMMAND. IN THE 2ND TABULATION
C BELOW, WE WANTED AVERAGE HOUSEHOLD SIZE & AVERAGE INCOME. THIS MEANS 2
C AVERAGES, SO WE PUT '2' AS THE 4TH NUMBER IN THE 'PARAMETER' COMMAND.
C THEN IN THE CALCULATIONS SECTION, WE DEFINED THE SPECIFIC 2 VARIABLES
C WE WANTED AVERAGED BY SAYING MEAN(1)=PER AND MEAN(2)=ZINC
C
C LABELS & PRINTING
C -----
C IN EACH TABULATION YOU CAN LABEL THE FIRST 99 ROWS, COLUMNS &
C AVERAGES, & THE FIRST 20 TABLES. ADDITIONAL ONES, & ANY THAT YOU DO NOT
C LABEL, WILL BE NUMBERED. (EXCEPT EACH TOTAL WILL BE LABELED 'TOTAL'.)
C YOU MAY USE UP TO 21 CHARACTERS FOR ROW LABELS, 22 FOR COLUMN LABELS
C (WHICH WILL PRINT IN 2 LINES, OF 11 CHARACTERS EACH), 124 CHARACTERS
C FOR TABLE LABELS, AND 19 CHARACTERS FOR THE LABEL FOR EACH AVERAGE.
C
C THE 7TH ITEM IN THE 'CALL PRINT' COMMAND, NEAR THE BOTTOM OF THE
C FIRST PAGE OF THE PROGRAM, SELECTS PRINTING OPTIONS:
C NORMAL STYLE: OPTIONS:
C ROUND TO THOUSANDS 1 NO ROUNDING
C PRINT ROW PERCENTS 2 NO ROW PERCENTS
C PRINT COLUMN PERCENTS 3 NO COLUMN PERCENTS
C 4 PRINT CUMULATIVE COL PERCENTS
C PRINT MEANS 5 NO MEANS; ACCUMULATED TOTALS INSTEAD
C PRINT NO DECIMAL PLACES 6 TWO DECIMAL PLACES IN PCTS & MEANS
C FOR EXAMPLE, TO SELECT NO ROUNDING & NO PERCENTS, USE 123 (OR 321, 213
C ETC. ORDER OF THE DIGITS DOES NOT MATTER). ON THE OTHER HAND, TO GET
C ALL THE DEFAULT OPTIONS, USE ZERO.
```

```

C MORE COMMENTS ON AVERAGES
C -----
C AS YOU KNOW, A MEAN IS THE TOTAL OF E.G. INCOME IN A CELL, DIVIDED
C BY THE NUMBER OF HOUSEHOLDS IN THE CELL. IF YOU WANT THE TOTAL BEFORE
C DIVISION, THEN USE ALL THE COMMANDS DESCRIBED EARLIER TO GET THE MEAN,
C BUT CHOOSE OPTION 5. OPTION 5 IS ALSO USEFUL TO OBTAIN THE NUMBER OF
C E.G. ELDERLY PEOPLE IN A CELL: IF YOU HAVE SET UP A VARIABLE WHICH IS
C 1 FOR ELDERLY PEOPLE & ZERO FOR OTHERS, & YOU HAVE ASKED FOR ITS MEAN;
C THEN THE TOTAL BEFORE DIVISION IS THE NUMBER OF ELDERLY IN THE CELL.
C
C OPTIONS FOR INDIVIDUAL AVERAGES CAN BE SPECIFIED IN 'NEAM':
C 1 - ROUND TOTAL; 5 - TOTAL INSTEAD OF MEAN; 6 - PRINT DECIMALS IN THE
C MEAN; AND 7 - PRINT BLANK LINE BEFORE THE STATISTIC. YOU WOULD DEFINE
C NEAM IN THE SAME SECTION WHERE YOU PUT LABELS. JUST BEFORE THE 'CALL
C PRINT' COMMAND, FOR EXAMPLE: NEAM(1)=15 OR NEAM(2)=6
C
C A FULL EXAMPLE
C -----
C IT MAY BE HELPFUL TO EXPLAIN HOW THE FIRST TABULATION BELOW WOULD
C BE CHANGED IF YOU WANTED TO TABULATE SOMETHING ELSE, FOR EXAMPLE RACE
C BY INCOME, WITH INCOME IN $10,000 CATEGORIES, AND A SEPARATE CATEGORY
C FOR VACANT UNITS. FIRST YOU WOULD ADD RACE TO THE LIST OF VARIABLES,
C SINCE IT IS NOT ALREADY THERE:
C
C 100 READ(9,110,END=700)ZMETRO,RURREC,TENURE,ZINC,PER,WEIGHT,RACE
C 110 FORMAT(T15,I1,T20,I1,T28,I1,T591,I6,T997,I2,T1037,I8,T861,I1)
C
C THEN SET UP A NEW VARIABLE, GROUPING HOUSEHOLDS BY INCOME:
C
C AZINC=1
C IF(ZINC.GE.10000)AZINC=2
C IF(ZINC.GE.20000)AZINC=3
C IF(ZINC.GE.30000)AZINC=4
C IF(ZINC.GE.40000)AZINC=5
C IF(ZINC.GE.50000)AZINC=6
C IF(ZINC.EQ.999999)AZINC=7
C
C (N.B. THE LAST CATEGORY COVERS VACANT UNITS.) THE HIGHEST NUMBER IN
C RACE IS 9 (SHOWN IN THE CODEBOOK), & THE HIGHEST IN AZINC IS 7. SO THE
C FIRST 'PARAMETER' COMMAND BECOMES:
C
C PARAMETER (A1=9,A2=7,A3=0,A4=0)
C
C THE 'DIMENSION' COMMAND MUST BE PRESENT, BUT NEVER NEEDS TO BE CHANGED.
C THE LINE 'IF(TENURE.EQ.9)GO TO 100' WHICH SKIPS VACANT UNITS, SHOULD BE
C REMOVED. THE LINES REFERRING TO 'PERZ' SHOULD BE REMOVED, & REPLACED BY
C THE 7 LINES ABOVE FOR AZINC. THE FIRST 'CALL BUILD' COMMAND BECOMES:
C
C CALL BUILD(RACE,AZINC,0, AO,A1,A2,A3,A4,A5)
C
C THE FIRST SET OF LABELS SHOULD BE REMOVED AND REPLACED BY:
C
C ROW(1)='WHITES'
C ROW(2)='BLACKS'
C ROW(3)='OTHER'
C ROW(9)='VACANT, URE'
C COL(1)='BELOW $10,000'
C COL(2)='$10-19,999'
C COL(3)='$20-29,999'
C COL(4)='$30-39,999'
C COL(5)='$40-49,999'
C COL(6)='$50,000+'
C COL(7)='VACANT,URE'
C
C THE FIRST 'CALL PRINT' BECOMES:
C
C CALL PRINT(AO,A1,A2,A3,A4,A5, 0,'RACE BY INCOME')
C
C THE COMMANDS DEALING WITH THE 2ND TABLE CAN BE SIMILARLY CHANGED, OR
C THEY CAN BE REMOVED OR LEFT AS IS.
C
C NOTE, WHEN DEFINING A NEW VARIABLE, YOU MUST TELL THE COMPUTER
C WHAT TO DO ON EVERY CASE, OR YOU'LL GET WRONG RESULTS. THE FOLLOWING
C LINES DON'T SAY WHAT TO DO WITH RENTS BELOW $100, SO IN ALL SUCH CASES
C RENTZ IS UNDEFINED & JUST KEEPS ITS VALUE FROM THE PREVIOUS CASE:
C IF(RENT.GE.100)RENTZ=1
C IF(RENT.GE.200)RENTZ=2

```

C RUNNING THE PROGRAM

C -----

C YOU SHOULD GET FAMILIAR WITH THE PROGRAM ON A SMALL NUMBER OF
C CASES BEFORE USING IT ON A LARGE FILE. THE SIMPLEST WAY IS TO PROCESS
C A 1 PERCENT SAMPLE OF YOUR DATA BY PUTTING: ,99(/) JUST BEFORE THE
C LAST PARENTHESIS IN THE 'FORMAT' COMMAND, AND REMOVING: *.01 FROM
C THE 'WT=WEIGHT' COMMAND. THEN RUN THE PROGRAM NORMALLY.

C

C ASK YOUR COMPUTER CENTER FOR THE JOB CONTROL LANGUAGE NEEDED TO
C TYPE THIS PROGRAM INTO YOUR COMPUTER, EDIT IT, AND RUN IT ON YOUR DATA
C TAPE. THE PROGRAM CONFORMS TO FORTRAN 77 (KNOWN AS FORTRAN 5 ON
C CONTROL DATA; KNOWN AS ASCII FORTRAN ON UNIVAC). IF YOU USE A CDC OR
C UNIVAC COMPUTER, YOU MUST MAKE A SPECIAL CHANGE: REPLACE THE LETTERS
C 'CDC' OR 'CUVAC' NEAR THE BEGINNING OF THE PROGRAM WITH SPACES. ON ALL
C COMPUTERS, HAVE THE JOB CONTROL LANGUAGE ASK FOR THE HIGHEST POSSIBLE
C OPTIMIZATION, TO SAVE MONEY: 'OPTIMIZE(2),LANGVL(77),FIXED' ON IBM;
C FTNS,OPT=2. ON CONTROL DATA: @FTN,EZ ON UNIVAC).

C ON CDC REPLACE 6396 & 1230 WITH TWICE NO.OF WORDS/BLOCK & CHARS/RECORD
CDC PROGRAM MUSIC(TAPE9=6396/1230)
IMPLICIT INTEGER (A-Z)
REAL AO,BO,CO,DO,EO,FO,GO,HO,IO,JO,KO,LO,MO,NO,OO,PO,QO,RO,SO,TO,
*UO,VO,WO,XO,YO,ZO,MEAN(99),WT

C

PARAMETER (A1= 2, A2= 5, A3= 0, A4= 0)
PARAMETER (B1= 3, B2= 5, B3= 2, B4= 2)
DIMENSION AO(A1+1, A2+1, A3+1, A4+1)
DIMENSION BO(B1+1, B2+1, B3+1, B4+1)

C

CHARACTER ROW(99)*21, COL(99)*22, TBL(20)*124, AVG(99)*19
COMMON/LABELS/ROW, COL, TBL, AVG
COMMON/BACH/NCOLS, WT, MEAN, NEAM(99)
DATA A5, B5, C5, D5, E5, F5, G5, H5, I5, J5, K5, L5, M5, N5, O5, P5, Q5, R5, S5, T5,
*U5, V5, W5, X5, Y5, Z5/26*0/

C DN UNIVAC, REPLACE 1230, 31980 WITH NO.OF CHARS PER RECORD&CHARS/BLOCK:
CUVAC DEFINE FILE 9(ANSI, FB, 1230, 31980, 0)

C

100 READ(9, 110, END=700)ZMETRO, RURREC, TENURE, ZINC, PER, WEIGHT
110 FORMAT(T15, I1, T20, I1, T28, I1, T591, I6, T997, I2, T1037, I8)

C SKIP CERTAIN UNITS (RURREC & VACANT) FROM CALCULATIONS

IF(RURREC.NE.1)GO TO 100
IF(TENURE.EQ.9)GO TO 100

CALCULATE & BUILD UP 1ST TABLE

WT=WEIGHT*.01

PERZ=PER
IF(PERZ.GT.5)PERZ=5
CALL BUILD(ZMETRO, PERZ, O, AO, A1, A2, A3, A4, A5)

C

CALCULATE & BUILD UP 2ND TABLE

TNURE=1
IF(TENURE.GE.2.AND.TENURE.LE.3)TNURE=2
IF(TENURE.GE.4)TNURE=3
MEAN(1)=PER
MEAN(2)=ZINC
CALL BUILD(TNURE, PERZ, ZMETRO, BO, B1, B2, B3, B4, B5)

C

GO TO 100

700 CONTINUE

CREATE LABELS & PRINT 1ST TABLE

ROW(1)='METROPOLITAN AREAS'
ROW(2)='NON-METRO AREAS'
COL(1)='1 PERSON'
TBL(1)='1983 UNITED STATES HOUSEHOLDS'
CALL PRINT(AO, A1, A2, A3, A4, A5, O, 'GEOGRAPHY BY HOUSEHOLD SIZE')

C

CHANGE LABELS & PRINT ANOTHER TABLE

ROW(1)='REGULAR OWNERS'
ROW(2)='CONDOS & COOPERATIVES'
ROW(3)='RENTERS'
TBL(1)='METROPOLITAN AREAS'
TBL(2)='NON-METROPOLITAN AREAS'
AVG(1)='MEAN HOUSEHOLD SIZE'
AVG(2)='MEAN INCOME'
CALL PRINT(BO, B1, B2, B3, B4, B5, 123, 'TENURE BY HOUSEHOLD SIZE BY GE
*OGRAPHY')

END

```

C LINES FROM HERE TO THE END OF THE PROGRAM NEVER CHANGE & MAY BE PUT IN
C A LIBRARY AFTER THE PROGRAM HAS RUN SUCCESSFULLY A FEW TIMES:
SUBROUTINE BUILD(I1,J1,K1, A,IMAX,JMAX,KMAX,LMAX,KOUNT)
CLEAR MATRIX A. ADD WEIGHT OF THE CASE TO CORRECT CELL.
DIMENSION A(IMAX+1,JMAX+1,KMAX+1,LMAX+1)
COMMON/BACH/NCOLS,WT,AMEAN(99),NEAM(99)
IF(WT.EQ.O.)RETURN
LM=MINO(99,LMAX)
IF(KOUNT.GT.O)GO TO 20
DO 10 L=1,LM+1
DO 10 K=1,KMAX+1
DO 10 J=1,JMAX+1
DO 10 I=1,IMAX+1
10 A(I,J,K,L)=O.
20 KOUNT=KOUNT+1
I=MINO(I1,1+IMAX)
J=MINO(J1,1+JMAX)
K=MINO(K1,1+KMAX)
IF(I.LE.O)I=1+IMAX
IF(J.LE.O)J=1+JMAX
IF(K.LE.O)K=1+KMAX
A(I,J,K,1)=A(I,J,K,1)+WT
DO 30 L=2,LM+1
30 A(I,J,K,L)=A(I,J,K,L)+WT*AMEAN(L-1)
RETURN
END
-----
SUBROUTINE PRINT(A,IMAX,JMAX,KMAX,LMAX,KOUNT, IOPT,TITLE)
CALCULATE PERCENTS & MEANS, & PRINT LABELED TABLES
DIMENSION A(IMAX+1,JMAX+1,KMAX+1,LMAX+1),M(7),M1(7),Q(10)
CHARACTER*11 NUM(10),ROWPCT(10),COLPCT(10),LA(10,2),TITLE*(*),TT*8
* ,NP*31,ILAB*21,JLAB*22,KLAB*124,LLAB*19,RP*21,CP*21,SC*27,NC*24
COMMON/BACH/NCOLS,WT,AMEAN(99),NEAM(99)
C INITIALIZE LABELS, OPTIONS, TOTAL ROWS, COLS, ETC.
DATA TT,NP,RP,CP,SC,NC/'TABLE:', 'NOT PRINTED, SINCE IT IS EMPTY',
*' AS PCT OF ROW', ' AS PCT OF COL'
*'SOURCE: BURKE TABLE SYSTEM', ' CASES IN THE TABULATION'/
IF(KOUNT.GT.O)GO TO 100
PRINT400,TITLE,NP
RETURN
100 CALL OCAROL(IOPT,M)
IF(NCOLS.LT.1.OR.NCOLS.GT.10)NCOLS=10
LM=MAXO(O,MINO(99,LMAX))
CALL SOUSA(A,IMAX,JMAX,KMAX,LM)
C FIND EACH TABLE LABEL,SKIP EMPTY TABLES. SELECT 10 COLS & THEIR LABELS
DO 250 K=1,KMAX+1
CALL LISZT(K,KMAX,2,KLAB)
L1=1
IF(A(IMAX+1,JMAX+1,K,1).NE.O)GO TO 210
PRINT400,TITLE,TT,KLAB,NP
GO TO 250
200 L1=L1+NCOLS
210 L2=MINO(L1+NCOLS-1,JMAX+1)
L3=L2-L1+1
DO 220 J=L1,L2
CALL LISZT(J,JMAX,1,JLAB)
LA(J-L1+1,1)=JLAB(1:11)
220 LA(J-L1+1,2)=JLAB(12:22)
PRINT410,{',',J=1,INT((L3*11+21-LEN(TITLE))*5)},TITLE
PRINT420,TT,KLAB,{LA(J,1),J=1,L3}
PRINT430,{LA(J,2),J=1,L3}
PRINT*
CYCLE THRU ROWS OF TABLE, CALCULATE ROW & COLUMN PERCENTS, & MEANS
DO 240 I=1,IMAX+1
CALL LISZT(I,IMAX,O,ILAB)
DO 230 J=L1,L2
L=J-L1+1
IF(M(2)+M(4).EQ.3)GO TO 230
AA=O.
IF(A(I,JMAX+1,K,1).NE.O)AA=100.*A(I,J,K,1)/A(I,JMAX+1,K,1)
CALL COMMA(AA,ROWPCT(L),1,M(6))
IF(M(4).EQ.O.OR.I.EQ.1.OR.I.EQ.IMAX+1)Q(L)=O.
IF(A(IMAX+1,J,K,1).NE.O)Q(L)=Q(L)+100.*A(I,J,K,1)/A(IMAX+1,J,K,1)
CALL COMMA(Q(L),COLPCT(L),1,M(6))
230 CALL COMMA(A(I,J,K,1),NUM(L),M(1),O)
IF(M(7).EQ.1)PRINT*
PRINT440,ILAB,(NUM(L),L=1,L3)
IF(M(2).EQ.O)PRINT440,RP,{ROWPCT(L),L=1,L3}
IF(M(4).LE.1)PRINT440,CP,{COLPCT(L),L=1,L3}
DO 235 L=2,LM+1
CALL LISZT(L-1,100,3,LLAB)
CALL OCAROL(NEAM(L-1),M1)
DO 234 J=L1,L2
IF(M(5)+M1(5).EQ.O)GO TO 233
CALL COMMA(A(I,J,K,L),NUM(J-L1+1),M(1)+M1(1),O)
GO TO 234
233 AA=O.
IF(A(I,J,K,1).NE.O)AA=A(I,J,K,L)/A(I,J,K,1)
CALL COMMA(AA,NUM(J-L1+1),1,M(6)+M1(6))
234 CONTINUE
IF(M1(7).EQ.1)PRINT*
PRINT460,LLAB,(NUM(J),J=1,L3)
235 IF(M(2)+M(4).NE.3.OR.LM.NE.O)PRINT*
240 IF(K.LE.KMAX.OR.L2.LE.JMAX)PRINT470,SC
IF(L2.LE.JMAX)GO TO 200
250 CONTINUE
CALL COMMA(KOUNT*1,NUM(1),1,O)
PRINT470,SC,NUM(1),NC
RETURN
400 FORMAT(/1X,59(' ')/1X,A/1X,2A/1X,A)
410 FORMAT('1'/1X,70A)
420 FORMAT(/1X,2A//22X,10A11)
430 FORMAT(22X,10A11)
440 FORMAT(1X,A21,10A11)
460 FORMAT(3X,A19,10A11)
470 FORMAT(/1X,3A)
END

```

```

SUBROUTINE LISZT(N,N1,N2,L)
C THIS SUBROUTINE FINDS A LABEL FOR A ROW, COLUMN OR TABLE. IF THE
C RESEARCHER PROVIDED NONE, A NUMBER OR THE WORD 'TOTAL' IS USED.
CHARACTER ROW(99)*21,COL(99)*22,TBL(20)*124,AVG(99)*19,L*(*)
COMMON/LABELS/ROW,COL,TBL,AVG
IF(N.GT.99.OR.(N.GT.20.AND.N2.EQ.2))GO TO 500
IF(N2.EQ.0)L=ROW(N)
IF(N2.EQ.1)L=COL(N)
IF(N2.EQ.2)L=TBL(N)
IF(N2.EQ.3)L=AVG(N)
IF(L.NE.'91919')RETURN
500 IF(N2.EQ.1)GO TO 510
WRITE(L,'(I5)')N
IF(N.EQ.N1+1)L='TOTAL'
RETURN
510 WRITE(L,'(I11)')N
IF(N.EQ.N1+1)L=' TOTAL'
RETURN
END

-----
SUBROUTINE COMMA(A,NUM,M1,M6)
CONVERT REAL TO CHARACTER, WITH COMMAS; ROUNDED IF M1=0;DECIMALS IF M6>0
CHARACTER NUM*11,TEMP*12,N(3)*3,C(2)*1,N1*3
B=A
IF(B.GE.999999500..OR.B.LE.-999999500.)GO TO 80
IF(M6.EQ.0)GO TO 40
IF(B.GE.999999..OR.B.LE.-999999.)GO TO 80
WRITE(TEMP,'(F12.2)')B
READ(TEMP,'(4A3)')N,N1
GO TO 55
C ROUND, BREAK NUMBER INTO GROUPS OF 3 DIGITS, & INSERT COMMAS
40 IF(M1.NE.0)GO TO 50
I=B*.001+.5
B=I*1000.
50 WRITE(TEMP,'(F10.0)')B
READ(TEMP,'(3A3)')N
55 DO 70 I=1,2
C(I)=' '
IF(N(I).EQ.'-')GO TO 60
IF(N(I).EQ.'')C(I)=' '
GO TO 70
60 N(I)='-'
C(I)='-'
70 CONTINUE
75 IF(M6.EQ.0)WRITE(NUM,'(5A)')N(1),C(1),N(2),C(2),N(3)
IF(M6.NE.0)WRITE(NUM,'(5A)')C(1),N(2),C(2),N(3),N1
RETURN
C PUT VERY LARGE NUMBERS IN EXPONENTIAL NOTATION
80 WRITE(NUM,'(E11.5)')B
RETURN
END

-----
SUBROUTINE OCAROL(IOPT,M)
C READ OPTIONS. O'CAROLAN WAS A GREAT IRISH MUSICIAN, 1670-1738
DIMENSION M(7)
DO 150 I=1,7
150 M(I)=0
IF(IOPT.EQ.0)RETURN
DO 160 I=1,6
J=(MOD(IOPT,10**I)+.5)*10.**(-I)
160 IF(J.GE.1.AND.J.LE.7)M(J)=1
IF(M(3).EQ.1)M(4)=2
RETURN
END

-----
SUBROUTINE SOUSA(A,IMAX,JMAX,KMAX,LM)
CALCULATE TOTAL CELLS
DIMENSION A(IMAX+1,JMAX+1,KMAX+1,LM+1)
DO 650 L=1,LM+1
DO 630 K=1,KMAX+1
DO 610 J=1,JMAX+1
DO 610 I=1,IMAX
610 A(IMAX+1,J,K,L)=A(IMAX+1,J,K,L)+A(I,J,K,L)
DO 630 I=1,IMAX+1
DO 630 J=1,JMAX
630 A(I,JMAX+1,K,L)=A(I,JMAX+1,K,L)+A(I,J,K,L)
DO 650 J=1,JMAX+1
DO 650 I=1,IMAX+1
DO 650 K=1,KMAX
650 A(I,J,KMAX+1,L)=A(I,J,KMAX+1,L)+A(I,J,K,L)
RETURN
END

-----
BLOCK DATA ELGAR
C INITIALIZE LABELS & MEANS. OVER-RIDDEN BY ANY LABELS IN THE PROGRAM
CHARACTER ROW(99)*21,COL(99)*22,TBL(20)*124,AVG(99)*19
COMMON/LABELS/ROW,COL,TBL,AVG
COMMON/BACH/NCOLS,WT,AMEAN(99),NEAM(99)
DATA NCOLS,WT,NEAM,ROW,COL,TBL,AVG/10.0.,99*0.317*'91919'/
END

```

E X A M P L E O F O U T P U T

G E O G R A P H Y B Y H O U S E H O L D S I Z E

TABLE: 1983 UNITED STATES HOUSEHOLDS

	1 PERSON	2	3	4	5	TOTAL
METROPOLITAN AREAS	13,590,000	18,041,000	10,223,000	9,244,000	6,904,000	58,001,000
AS PCT OF ROW	23	31	18	16	12	100
AS PCT OF COL	71	68	68	67	67	68
NON-METRO AREAS	5,427,000	8,673,000	4,830,000	4,551,000	3,360,000	26,841,000
AS PCT OF ROW	20	32	18	17	13	100
AS PCT OF COL	29	32	32	33	33	32
TOTAL	19,016,000	26,714,000	15,053,000	13,795,000	10,264,000	84,842,000
AS PCT OF ROW	22	31	18	16	12	100
AS PCT OF COL	100	100	100	100	100	100

SOURCE: BURKE TABLE SYSTEM 56,930 CASES IN THE TABULATION

E X A M P L E O F O U T P U T

TENURE BY HOUSEHOLD SIZE BY GEOGRAPHY

TABLE: METROPOLITAN AREAS

	1 PERSON	2	3	4	5	TOTAL
REGULAR OWNERS	5,029,542	10,631,548	6,492,253	6,646,478	4,907,766	33,707,587
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	14,822	26,387	31,376	32,746	32,978	27,836
CONDOS & COOPERATIVES	656,337	675,782	169,220	64,152	57,649	1,623,140
MEAN HOUSEHOLD SIZE	1	2	3	4	6	2
MEAN INCOME	24,186	32,037	33,359	34,257	23,936	28,800
RENTERS	7,903,638	6,733,356	3,561,616	2,533,165	1,938,673	22,670,448
MEAN HOUSEHOLD SIZE	1	2	3	4	6	2
MEAN INCOME	13,364	17,377	17,339	17,865	17,128	16,005
TOTAL	13,589,516	18,040,686	10,223,090	9,243,795	6,904,088	58,001,175
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	14,427	23,236	26,519	28,679	28,452	23,239

SOURCE: BURKE TABLE SYSTEM

TENURE BY HOUSEHOLD SIZE BY GEOGRAPHY

TABLE: NON-METROPOLITAN AREAS

	1 PERSON	2	3	4	5	TOTAL
REGULAR OWNERS	3,141,565	6,679,905	3,515,499	3,529,255	2,553,422	19,419,646
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	11,270	20,670	24,688	27,091	26,435	21,802
CONDOS & COOPERATIVES	45,570	65,777	17,646	5,588	4,793	139,373
MEAN HOUSEHOLD SIZE	1	2	3	4	6	2
MEAN INCOME	26,414	30,543	33,221	25,994	19,881	28,983
RENTERS	2,239,815	1,927,360	1,296,611	1,015,931	802,126	7,281,843
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	10,204	14,261	14,859	16,345	15,329	13,528
TOTAL	5,426,950	8,673,042	4,829,756	4,550,774	3,360,341	26,840,863
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	10,958	19,321	22,081	24,691	23,774	19,594

SOURCE: BURKE TABLE SYSTEM

TENURE BY HOUSEHOLD SIZE BY GEOGRAPHY

TABLE: TOTAL

	1 PERSON	2	3	4	5	TOTAL
REGULAR OWNERS	8,171,107	17,311,452	10,007,753	10,175,733	7,461,188	53,127,233
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	13,457	24,181	29,027	30,785	30,738	25,630
CONDOS & COOPERATIVES	701,907	741,559	186,866	69,740	62,442	1,762,513
MEAN HOUSEHOLD SIZE	1	2	3	4	6	2
MEAN INCOME	24,330	31,904	33,346	33,595	23,625	28,814
RENTERS	10,143,453	8,660,716	4,858,227	3,549,096	2,740,799	29,952,292
MEAN HOUSEHOLD SIZE	1	2	3	4	6	2
MEAN INCOME	12,666	16,684	16,677	17,430	16,602	15,403
TOTAL	19,016,467	26,713,727	15,052,846	13,794,570	10,264,429	84,842,038
MEAN HOUSEHOLD SIZE	1	2	3	4	6	3
MEAN INCOME	13,437	21,965	25,095	27,363	26,920	22,086

SOURCE: BURKE TABLE SYSTEM 56,930 CASES IN THE TABULATION

Appendix D

MISSING DATA AND ALLOCATION VARIABLES

1.0 Types and Treatment of Missing Data

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

1.1 Non-interviewed Units

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

Data items for non-interviewed units and units not yet in the sample are considered "not applicable", and in the data files all fields have been filled with 9s. Users should note that in the AHS Data Project files, the assignment of 9s to all fields causes some variation in the value codes for "not applicable". This results when a variable's field length changed over the years. In this case, field length has been standardized to the largest field length, and then non-interviewed cases were filled with 9s. This results in the presence of not applicable codes which have different values in the same year--for example, "9" and "999".

To illustrate this fact, we shall discuss the treatment of the variable DISTJ, one way distance from home to work of the head or reference person, on the National file. This variable changed from a one column variable to a three column variable in 1978. On the AHS Data Project files the standardized format for DISTJ is therefore a 3 column field. From 1974 through 1976, the original Census tapes contained only interview records, and the code "9" was used for interviewed units to which the question was not applicable such as vacant units or units where the head did not work. When the non-interview records for 74-76 were added by the AHS Data Project staff and the missing fields filled with 9's, this resulted in a code "999" for non-interview records. Starting with 1977, the non-interview records were contained in the original Census Tapes. A code "9" in 1977 was therefore present both for interviewed units to which the question was not applicable and for non-interview records. Starting in 1978, DISTJ was a 3-column field on the Census tapes and the code "999" was present both for interview records to which the question was not applicable and for non-interview records. In addition, in the National Master File (longitudinal file), Abt inserted dummy variables for units not yet in the sample or dropped from the sample, and used code "999" for these records in all years.

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

The shifts in weights especially affect longitudinal estimates. If a user is estimating 1974 housing units and what happened to them by 1979, he or she should use 1974 weights (and the categories of "what happened to them" must include "nonresponse in 1979" and "unit demolished or otherwise destroyed by 1979"). If a user is using 1979 units and where they came from, 1979 weights should be used (the categories of "where they came from" must include "non-response in 1974" and "unit built or otherwise added since 1974"). If a user is trying to count particular types of change, such as condominium conversion (rental in 1974 to condominium ownership in 1979), he or she will always have an underestimate since some units are not identifiable as conversions at the end of each time period. Estimates may be adjusted based on the combined non-response rate in the 2 years.

1.2 Questions Which Are Not Applicable

Some questions are not applicable to every respondent or housing unit. For instance, owner-occupants are not asked questions about rent, and questions concerning condominium fees are asked only if the unit is a condominium. Therefore, most variables have a code (usually "9") defined as "not applicable" ("out of universe" in Census documentation) to indicate that the question was intentionally not asked because it did not apply to the unit.

1.3 Unanswered Questions

The third source of missing data is non-response to particular questions asked during the interview. For some variables, the data base includes a code for "not answered" (usually "8", "98"). For other variables, however, the Census Bureau uses a "hot deck imputation" to assign, or allocate, responses to unanswered questions.

Data for unanswered survey questions are allocated by copying data from the last case processed with similar characteristics. This procedure explicitly assumes that non-responding and responding units would have answered similarly. The allocation preserves the distribution of responses within any variable, and preserves the mean. However, it seriously distorts any analysis of the relation between two variables. Therefore, the use of allocated data should be avoided for most statistical analyses of the relation between two variables. Allocated data should also not be used for any longitudinal analyses, because stability or change measured with allocated data is spurious.

The next section provides information on how to identify the variables and units which contain allocated data. It also provides an alphabetical listing of allocated variables together with the "allocation variables" and codes generated to flag cases in which the allocation procedure was used.

2.0 Identifying Allocated Variables

This codebook documents variables which are candidates for allocation in two ways. In the main sections each page has a column headed "Notes." If a variable is subject to allocation an "A" will appear in this column. Candidates for allocation and associated allocation variables are shown for each variable in the Questionnaire Directory.

The Census Bureau documents the allocation of data for a particular unit by entering a code in a Census-generated "allocation variable." Allocation variables can be used to identify variables and units which contain allocated data, allowing users to assign missing values or drop particular variables if appropriate. These allocation variables are part of the data base, but are not included in the regular codebook pages. They are documented only in the Questionnaire Directory.

¹Note however that there are a few variables which are subject to allocation, but for which an allocation variable is not present for all years. It is not always clear whether the variable was not subject to allocation in these years or whether the Census Bureau did not release these allocation variables for these years. If it was not subject to allocation, codes "8" (not answered) will be present in the data files.

Appendix E

ORDER FORMS FOR PUBLICATIONS AND TAPES

SMSA WAVE			INDIVIDUAL METROPOLITAN AREAS				SERIES				SERIES				SERIES			
1	2	3	H-170-	PGS	FI-CHE	PRI-NTED	H-170-	PGS	FI-CHE	PRI-NTED	H-170-	PGS	FI-CHE	PRI-NTED	H-170-	PGS	FI-CHE	PRI-NTED
74	77	80	ALBANY-SCHENECTADY-TROY, NY	74-1	124	2	0/S	77-1	378	4	\$8.50	80-1	422	5	\$7.00			
76	80	NS	ALLENTOWN-BETHLEHEM-EASTON, PA-NJ	76-41	308	4	\$5.25	80-41	387	4	6.50							
74	77	81	ANAHEIM-SANTA ANA-GARDEN GROVE, CA	74-2	124	2	0/S	77-2	471	5	9.50	81-2	538	6	8.50			
75	78	82	ATLANTA, GA	75-21	323	4	0/S	78-21	529	6	8.00							
76	79	83	BALTIMORE, MD	76-42	395	5	6.00	79-42	448	5	9.00							
76	70	84	BIRMINGHAM, AL	76-43	353	5	6.00	80-43	461	5	7.00							
74	77	81	BOSTON, MA	74-3	228	3	0/S	77-3	548	6	9.00	81-3	605	7	8.00			
76	79	84	BUFFALO, NY	76-44	375	4	6.00	79-44	434	5	8.00							
75	79	83	CHICAGO, IL	75-22	342	4	0/S	79-22	516	6	12.00							
75	78	82	CINCINNATI, OH-KY-IN	75-23	143	2	0/S	78-23	441	5	6.50							
76	79	84	CLEVELAND, OH	76-45	420	5	6.25	79-45	470	5	8.50							
75	78	NS	COLORADO SPRINGS, CO	75-24	169	2	3.25	78-24	566	6	7.50							
75	78	82	COLUMBUS, OH	75-25	142	2	0/S	78-25	406	5	6.00							
74	77	81	DALLAS, TX	74-4	146	2	0/S	77-4	547	6	10.00	81-4	697	8	10.00			
76	79	83	DENVER, CO	76-46	494	6	6.75	79-45	566	6	8.50							
74	77	81	DETROIT, MI	74-5	224	3	0/S	77-5	509	6	9.00	81-5	522	6	7.50			
74	77	81	FORT WORTH, TX	74-6	145	2	0/S	77-6	502	6	10.00	81-6	611	7	9.00			
76	80	NS	GRAND RAPIDS, MI	76-47	377	4	6.00	80-47	497	5	7.50							
75	79	83	HARTFORD, CT	75-26	167	2	3.25	79-26	565	6	9.00							
76	79	83	HONOLULU, HI	76-48	357	4	5.50	79-48	398	5	7.50							
76	79	83	HOUSTON, TX	76-49	538	6	0/S	79-49	612	7	10.00							
76	80	84	INDIANAPOLIS, IN	76-50	351	4	5.50	80-50	439	5	8.00							
75	78	82	KANSAS CITY, MO-KN	75-27	155	2	0/S	78-27	481	5	7.00							
76	79	NS	LAS VEGAS, NV	76-51	502	6	7.00	79-51	510	6	9.00							
74	77	80	LOS ANGELES-LONG BEACH, CA	74-7	294	3	0/S	77-7	588	7	10.00	80-7	641	7	10.00			
76	80	83	LOUISVILLE, KY-IN	76-52	370	5	6.00	80-52	473	5	6.00							
75	77	81	MADISON, WI	75-20	129	2	2.75	77-20	321	4	8.00	81-20	366	4	6.50			
74	77	80	MEMPHIS, TN-AR	74-8	129	2	0/S	77-8	428	5	9.00	80-8	474	5	8.00			
75	79	83	MIAMI, FL	75-28	169		0/S	79-28	616	7	10.00							
75	79	84	MILWAUKEE, WI	75-29	155	2	0/S	79-29	452	5	8.50							
74	77	81	MINNEAPOLIS-ST PAUL, MI	74-9	110	2	0/S	77-9	391	5	8.00							
75	78	82	NEW ORLEANS, LA	75-30	145	2	0/S	78-30	600	7	8.00							
76	80	83	NEW YORK CITY, NY	76-53	524	6	7.00	80-53	633	7	7.50							
74	77	81	NEWARK, NJ	74-10	147	2	0/S	77-10	583	6	10.00	81-10	646	7	10.00			
75	78	84	NEWPORT NEWS-HAMPTON, VA	75-31	156	2	0/S	78-31	432	5	6.50							
76	80	NS	OKLAHOMA CITY, OK	76-54	307	5	6.00	80-54	535	6	7.50							
76	79	83	OMAHA, NB	76-55	387	4	6.00	79-55	432	5	8.00							
74	77	81	ORLANDO, FL	74-11	134	2	0/S	77-11	531	6	10.00	81-11	628	7	11.00			
75	78	82	PATERSON-CLIFTON-PASSAIC, NJ	75-32	167	2	0/S	78-32	597	7	8.00							
75	78	82	PHILADELPHIA, PA-NJ	75-33	317	4	0/S	78-33	605	7	8.00							
74	77	81	PHOENIX, AZ	74-12	146	2	0/S	77-12	544	6	12.00	81-12	647	7	12.00			
74	77	81	PITTSBURGH, PA	74-13	122	2	0/S	77-13	424	5	9.00							
75	79	83	PORTLAND, OR	75-34	150	2	3.00	79-34	443	5	7.50							
76	80	84	PROVIDENCE-WARWICK-PAWTUCKET, RI-MA	76-56	372	4	6.00	80-56	450	5	7.00							
76	79	NS	RALEIGH, NC	76-57	394	5	6.00	79-57	446	5	6.50							
75	78	82	ROCHESTER, NY	75-35	155	2	0/S	78-35	431	5	6.50							
76	80	83	SACRAMENTO, CA	76-58	402	6	6.75	80-58	618	7	9.50							
74	77	80	SAGINAW, MI	74-14	144	2	0/S	77-14	580	7	10.00	80-14	626	7	9.00			
76	80	83	SAINTE LOUIS MO-IL	76-59	439	5	6.25	80-59	426	5	8.50							
74	77	80	SALT LAKE CITY, UT	74-15	122	2	0/S	77-15	439	5	9.00	80-15	500	6	8.00			
75	78	82	SAN ANTONIO, TX	75-36	170	2	0/S	78-36	565	6	7.50							
75	78	82	S.BERNARDINO-RIVERSIDE-ONTARIO, CA	75-37	169	2	0/S	78-37	601	7	8.00							
75	78	82	SAN DIEGO, CA	75-38	169	2	0/S	78-38	569	6	7.50							
75	78	82	SAN FRANCISCO-OAKLAND, CA	75-39	351	4	0/S	78-39	707	7	8.00							
76	79	83	SEATTLE-EVERETT, WA	76-60	370	5	6.50	79-60	602	7	10.00							
74	77	81	SPOKANE, WA	74-16	110	2	0/S	77-16	317	4	8.00							
75	78	NS	SPRINGFIELD-CHICOPEE-HOLYOKE, MA	75-40	167	2	0/S	78-40	499	6	7.00							
74	77	81	TACOMA, WA	74-17	112	2	0/S	77-17	493	6	9.50							
74	77	81	WASHINGTON, DC-MD-VA	74-18	242	3	0/S	77-18	583	6	10.00	81-18	606	7	9.00			
74	77	81	WICHITA, KS	74-19	132	2	0/S	77-19	445	5	9.00							

74	COMPARISON OF METROPOLITAN AREAS INTERVIEWED IN 1974			H-171-74NO.1	149PGS	2FICHE	0/SPRINTED
75	COMPARISON OF METROPOLITAN AREAS INTERVIEWED IN 1975			H-171-75NO.1	110	2	0/S
76	COMPARISON OF METROPOLITAN AREAS INTERVIEWED IN 1976			H-171-76NO.1	131	2	0/S
77	COMPARISON OF METROPOLITAN AREAS INTERVIEWED IN 1977			H-171-77NO.1	157	2	\$5.50
78	COMPARISON OF METROPOLITAN AREAS INTERVIEWED IN 1978			H-171-78NO.1	131	2	3.75

QUALITY BY RENT, HOUSE VALUE, & FAMILY INCOME, FOR METROPOLITAN AREAS INTERVIEWED IN 1975							
75	PART I: NE & NORTH CENTRAL REGIONS			H-171-75NO.2	819	8	0/S
75	PART II: SOUTH & WEST REGIONS			H-171-75NO.2	936	8	0/S

NS -NOT SURVEYED; THERE WERE ONLY 2 WAVES OF INTERVIEWING IN THIS AREA O/S -OUT OF STOCK



AHS DATA PROJECT

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- Consultation Services. (See Note 1 on page 2) Free

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National Survey Data¹

- Baby File \$150
(2% sample of cases, years '74, '78 and '79, selected variables). See description on page 3.
- Reference File \$400
(all cases, all years from 1970 on, selected variables). See Note 2 on page 2.
- Master File \$2,400
(all cases, all years from 1974 on). See Note 3 on page 2.
- Single Year File (See Note 4 on page 2) \$800
- Two or More Years File (Linked or Unlinked) \$800 + \$300 for each additional year beyond the first
- Custom Extracts Estimates on request, at least \$1,000
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1975N, 1980N-1981N, 1975S-1976S Journey to Work Supplements;
1978N, 1979S-1982S Disabilities/Housing Modification Supplement;
1980N, 1983N Mobile Homes;
1980N-1981N, 1983N Condominium/Multi-Family Structures Supplement;
1980N Individual Income of Non-Relatives
- Lower Density Tapes (800 or 1600 BPI) \$50 per extra tape
- Expedited Handling (shipment within 10 days of receipt) \$300

¹All tape prices include machine-readable list of variable names and format statements. The most current version of the data released by the Census Bureau and HUD is used to prepare orders, the files may therefore be updated from time to time. The AHS Data Project however will not replace, free of charge, orders filled prior to the update.

EXPLANATORY NOTES

1. Up to 2 hours of consultation are provided to each AHS user free of charge. For exceptional cases where further consultation is requested, fees will reflect costs for staff labor and materials.
2. The Reference File includes a few selected variables for all cases and all years in the National Sample. The variables are as follows (see Codebook for Variable Descriptions):

<u>REF #</u>	<u>Variable Name</u>
0726	CONTROL
0001	REGION
0002	ZMETRO
0010	RURREC
0011	POP
0015	SMSA
0003	METRO
0004	URBAN74-URBAN83 (one value for each year)
0016	ISTATUS74-ISTATUS83 (one value for each year)
0019	NOINT74-NOINT83 (one value for each year)
0037	TYPE74-TYPE83 (one value for each year)
0022	TENURE74-TENURE83 (one value for each year)
0032	BUILT-74-BUILT83 (one value for each year)
0212	RMYEAR74-RMYEAR80 (one value for each year)
0035	NUNITS74-NUNITS83 (one value for each year)
0208	MOVED74-MOVED83 (one value for each year)
0494	ZINC74-ZINC83 (one value for each year)
0660	ZAGE74-ZAGE83 (one value for each year)
0714	PER74-PER83 (one value for each year)
0676	RACE74-RACE83 (one value for each year)
0693	SEX74-SEX83 (one value for each year)

3. The Master File is a rectangular longitudinal file containing 9 years of data (1974-1983) for each unit in the AHS sample (103,014 units). It includes all variables (732) with the exception of data on certain supplementary subjects as explained on page 4 of this Price List. In its standard form (6250 BPI), the file is available on 7 tapes. It can be prepared, upon request, in other densities
4. Single Year Files are available from the Bureau of the Census, User Services Division, Washington, DC 20233, (301) 763-4100, for \$140 per tape. This may be more advantageous for users who do not need extracts or a standardized format across years. We would be glad to provide our Codebook and a record layout for the Census files showing our variable names. Census files layouts are included in the Questionnaire Directory.
5. Data from supplements can be linked to regular files at no extra charge.

BABY FILE

The Baby File is a 2 percent sample of all National cases, containing data for 1974, 1978 and 1979. It has 77 variables (listed below) plus associated allocation variables. The list of variables represents a sample of most of the topics available in the AHS, so the list may be helpful to analysts designing their own custom extracts. The file itself may be used for exploratory analysis or classroom study.

The 1974 sample cases affected by the 1977 sample cutback (NOINT=77) are excluded from the file, and the weights of the remaining 1974 cases are increased by 97/90 to compensate. The weights are also adjusted by multiplying by 50 to compensate for the 2 percent sample. The supplemental sample coded 2 in RURREC is excluded from this file for simplicity.

<u>REF #</u>	<u>VARIABLE NAME</u>	<u>LABEL</u>
0787	CONTROL YEAR	Control number of unit tracking
0018	ISTATUS	Type of Interview
0001	REGION	Census Region
0003	METRO	Central City/Suburban Status
0002	ZMETRO	SMSA/Non-SMSA Status
0004	URBAN	Urban/Rural Status
0010	RURREC	Rural Recode
0011	POP	Place Size
0017	SMSA	SMSA Defined by 1981 Boundaries
0020	NOINT	Type of Non-Interview
0021	VACANCY	Reason Why Unit is Vacant or URE
0023	TENURE	Tenure Status
0032	BUILT	Year Structure was Built
0036	NUNITS	Number of Living Quarters in Structure (Including Vacant Quarters)
0038	TYPE	Type of Living Quarters
0046	CARS	Number of Cars Including Company Vehicles
0049	ROOMS	Number of Rooms in Unit
0059	KITCHEN	Complete Kitchen Facilities
0073	PLUMB	Complete Plumbing Facilities
0074	BATHS	Number of Bathrooms
0077	NUMTLT	Number of Flush Toilet Breakdowns
0080	SEWDIS	Means of Sewage Disposal
0085	HFUEL	Heating Fuel
0156	HEQUIP	Main type of Heating Equipment
0193	NUMND	Number of Rooms Without Air Ducts
0205	NUMCOLD	Number of Heat Breakdowns
0208	STORMW	Storm Windows
0214	INSUL	Attic or Roof Insulation
0224	AIRSYS	Type of Air Conditioning
0235	RLEAK	Leaking Roof
0236	CRACKS	Open Cracks or Holes (Walls or Ceiling)
0237	HOLES	Holes in Floor
0250	NUMBLOW	Number Fuses Blown or Breakers
0251	NOWIRE	Wiring Concealed
0255	RATS	Rats or Mice in Building
0258	OWNHERE	Owner Lives in Building
0272	MOVED	Date Head Moved In
0281	WHYMOVE	Primary Reason for Moving From Previous Residence
0352	XLOC	Location of Previous Unit
0355	XTENURE	Tenure Status at Previous Unit
0360	XNUNITS	Number of Living Quarters in Previous Residence
0362	XROOMS	Number of Rooms in Previous Residence
0364	XPER	Number of Persons in Previous Residence
0366	XVALUE	Previous Property Sale Value
0368	ZXRENT	Gross Rent for Previous Residence
0396	HOWH	Resident's Satisfaction with Unit
0397	HOWN	Resident's Satisfaction with Neighborhood
0407	CRIME	Street/Neighborhood Crime
0409	ABAN	Abandoned or Boarded-up Buildings
0436	SHP	Adequacy of Shopping Facilities
0444	SCH	Adequacy of Schools
0462	EABAN	Abandoned/Boarded-up Buildings (Enumerator Observation)
0464	VALUE	Property Value
0466	FRSTHO	Current Residence is First Home Owned
0474	MORT	Mortgage on Property
0496	ZSMHC	Monthly Ownership Costs
0504	ZRENT	Gross Rent
0535	MAJADD	Additions to Property
0537	MAJALT	Alterations to Property
0545	ZINC	Family Income
0567	PBUS	Earning from Business
0586	VWELF	Welfare/Public Assistance Amount Received
0692	REL2	Relationship of Person 2 to Reference Person
0707	AGE2	Age of Person 2
0708	AGE3	Age of Person 3
0709	AGE4	Age of Person 4
0710	AGE5	Age of Person 5
0711	AGE6	Age of Person 6
0721	ZAGE	Age of Reference Person
0722	MAR	Marital Status of Reference Person
0737	RACE	Race of Reference Person
0752	SPAN	Spanish Origin of Reference Person
0754	SEX	Sex of Reference Person
0769	GRADE1	Highest School Grade Attended by Reference Person
0775	PER	Number of Persons in Household
0792	WEIGHT	Weight of Each Case in Sample

AVAILABILITY OF AHS DATA AS OF NOVEMBER 1984

A comprehensive list of all AHS variables is contained in the AHS Data Project Codebook. In that Codebook, we have attempted to document all variables which will be released by 1985, to allow researchers to plan ahead and to spare them the cost of buying new Codebooks as new data become available. Most of the variables are available to date with a few exceptions. The list below shows when variables currently unavailable are expected to be released. In addition, some variables, even when available, are excluded from our standard Files but are available and can be purchased separately. Such variables are indicated in the list below.

<u>Chapter of Codebook</u>	<u>Variables Not Available Yet</u>	<u>Expected Date of Availability</u>	<u>Variavles Available But Excluded from Standard Data Files</u>
All Chapters	1983S: all variables 1983N: non-core variables	June 1985 June 1985	
Geography	SBAREA TRACT	1985-86	
Income			YSS2-YOTHER4 excluded
Sample Status Information	HHLN: 74N-78N 74S-78S PWT, SWT WWT1-WWT8, 77S	1985 1985 1985 1985	DATE (1981S) WWT1-WWT8 excluded
Employment, Journey-to-Work	77S: All variables ending in a number, such as WLINE1 or TRAN8	1985	All variables ending in a number, such as WLINE1 or TRAN8, are excluded
Mobile Homes			All excluded except TIED, MLOAN, YRBUYM, ZPRICEM, PRICEM, LRENT, INCS, SRENT, NEWM, OWNLOT, OWNSIT, TPARK, PARKSZ
Condominium/ Multi-Family Structure			All excluded except CONDO
Disabilities			On National File, all are excluded except CONDNO and DIFFNO. On SMSA files all are excluded except INOUT-USEQUI, CONDO-HNO
Cars and Major Appliances			All excluded

ALPHABETICAL INDEX OF VARIABLE NAMES

0443 ABAN Abandoned or Boarded Up Buildings Present
0452 ABAND Abandoned or Boarded-up Buildings Disturbing
0463 ABANM Abandoned or Boarded-up Buildings-Want To Move
0034 ACCESS Access To Unit
0523 ADD Additions to Property In Last 12 Months
0752 AGE Age of Head/Reference Person
0753 AGE2 Age Of Person 2
0754 AGE3 Age Of Person 3
0755 AGE4 Age Of Person 4
0756 AGE5 Age Of Person 5
0757 AGE6 Age Of Person 6
0758 AGE7 Age Of Person 7
0759 AGE8 Age Of Person 8
0760 AGE9 Age Of Person 9
0761 AGE10 Age Of Person 10
0762 AGE11 Age Of Person 11
0763 AGE12 Age Of Person 12
0764 AGE13 Age Of Person 13
0765 AGE14 Age Of Person 14
0766 AGE15 Age Of Person 15
0256 AIR Air Conditioning Present
0437 AIRN Airplane Noise Present
0456 AIRND Airplane Noise Disturbing
0467 AIRNM Airplane Noise-Want To Move
0257 AIRSYS Type of Air Conditioning
0881 ALIN1 Line Number Of First Adult 16+
0882 ALIN2 Line Number Of Adult 2 16+
0883 ALIN3 Line Number Of Adult 3 16+
0884 ALIN4 Line Number Of Adult 4 16+
0885 ALIN5 Line Number Of Adult 5 16+
0886 ALIN6 Line Number Of Adult 6 16+
0887 ALIN7 Line Number Of Adult 7 16+
0888 ALIN8 Line Number Of Adult 8 16+
0889 ALIN9 Line Number Of Adult 9 16+
0890 ALIN10 Line Number Of Adult 10 16+
0891 ALIN11 Line Number Of Adult 11 16+
0892 ALIN12 Line Number Of Adult 12 16+
0948 ALONE1 Main Reason For Driving Alone-Worker 1
0949 ALONE2 Main Reason For Driving Alone-Worker 2
0950 ALONE3 Main Reason For Driving Alone-Worker 3
0951 ALONE4 Main Reason For Driving Alone-Worker 4
0952 ALONE5 Main Reason For Driving Alone-Worker 5
0953 ALONE6 Main Reason For Driving Alone-Worker 6
0954 ALONE7 Main Reason For Driving Alone-Worker 7
0955 ALONE8 Main Reason For Driving Alone-Worker 8
0525 ALT Alterations To Property In Last 12 Months
0540 AMMORT Amount of Mortgage When Property Originally Acquired
1087 AMPM1 Leave For Work AM Or PM-Worker 1
1088 AMPM2 Leave For Work AM Or PM-Worker 2
1089 AMPM3 Leave For Work AM Or PM-Worker 3
1090 AMPM4 Leave For Work AM Or PM-Worker 4
1091 AMPM5 Leave For Work AM Or PM-Worker 5
1092 AMPM6 Leave For Work AM Or PM-Worker 6
1093 AMPM7 Leave For Work AM Or PM-Worker 7
1094 AMPM8 Leave For Work AM Or PM-Worker 8
0249 AMTAIN Amount of Attic Insulation Added In Past 12 Months
0514 AMTE Average Monthly Cost of Electricity (Owner)
0515 AMTG Average Monthly Cost of Gas (Owner)
0520 AMTI Average Annual Cost For Fire-Hazard Insurance (Owner)
0517 AMTO Avg. Annual Cost of Oil, Coal, Kerosene, Etc. (Owner)
1529 AMTRSE Amt Of Electricity Payment For Owner's Residence
1530 AMTRSG Amt Of Gas Payment For Owner's Residence
1534 AMTRSI Amt Of Insurance Payment For Owner's Residence
1532 AMTRSO Amt Of Oil Or Other Fuel Payment For Owner's Res
1531 AMTRST Amt Of Trash Collection Payment For Owner's Res
1533 AMTRSW Amt Of Water/Sewage Payment For Owner's Res
1535 AMTRSX Amt Of Real Estate Tax Payment For Owner's Res
0516 AMTT Annual Cost Of Garbage Collection (Owner)
0518 AMTW Annual Cost of Water And Sewage (Owner)
0519 AMTX Real Estate Taxes For Year (In Dollars)
1585 ANDMYL Congenital Anomalies
0062 APPBAD Sink, Refrigerator, Range Not In Usable Condition
0061 APPOK Sink, Refrigerator, Range All Usable
1563 ARMSM Missing Arms, Hands Or Fingers
1544 AROUND Any HH Membr Have Dffclty Getting Around Inside This Hse/Apt.
1572 ARTERY Hardening Of The Arteries

1557 ARTH Arthritis Or Rheumatism
1549 ASTHMA Asthma
1554 ATTACK Effects of Heart Attack
0862 AWT Special Code Used In Variance Calculation.
1566 BACKO Other Back Or Spine Trouble
1565 BACKST Chronic Stiffness/Deformity Of Back/Spine
0070 BADDRY Complete Lack of Running Water for 6 Hours or More
0083 BADSEW Public Sewer Breakdown of 6 Hours or More
0280 BADSTEP Hazardous Steps on Common Stairways
0076 BADTLT Flush Toilet Breakdown of 6 Hours or More
0074 BATHS Number of Bathrooms
0052 BDRMSC Change In No. Of Rms Mainly For Sleeping Since Last Int.
0051 BEDRMS Number of Rooms Used Mainly For Sleeping
0273 BIGP Broken Plaster or Peeling Paint Over 1 Square Foot
0268 BLEAK Signs of Basement Leaks
1561 BLIND Blindness Or Serious Trouble Seeing
1577 BLOOD Diseases Of The Blood / Blood Forming Organs
0029 BOARD Unit Boarded Up (Vacant Units; Enumerator Observation)
0030 BOARDU Unit Boarded Up (Some Type B Non-Interviews Only;
1551 BRONCH Bronchitis
0032 BUILT Year Structure Was Built
1935 BUSV1 Used For Any Businss Prpse Oth Than Work Commuting (V1)
1936 BUSV2 Used For Any Businss Prpse Oth Than Work Commuting (V2)
1937 BUSV3 Used For Any Businss Prpse Oth Than Work Commuting (V3)
1938 BUSV4 Used For Any Businss Prpse Oth Than Work Commuting (V4)
1992 BUYAIR Purchased Room Air Conditioner In Past 12 Months
0507 BUYE Owner Pays for Electricity
0188 BUYFUL All Wood Used To Heat In Past 12 Months Was Purchased
0508 BUYG Owner Pays for Gas
0513 BUYI Owner Pays Fire/Hazard Ins (Even If Incl In Mortgage)
0509 BUYO Owner Pays For Oil, Coal, Kerosene, Wood, Etc.
0511 BUYT Owner Pays Grbge/Trash Collect Sep from Real Estate Tax
1999 BUYTV Television Set Purchased In Last 12 Months
1931 BUYV1 Purchased From Auto Dealer Or Private Party (Vehicle 1)
1932 BUYV2 Purchased From Auto Dealer Or Private Party (Vehicle 2)
1933 BUYV3 Purchased From Auto Dealer Or Private Party (Vehicle 3)
1934 BUYV4 Purchased From Auto Dealer Or Private Party (Vehicle 4)
0510 BUYW Owner Pays Water/Sewerage Sep from Real Estate Taxes
0512 BUYX Owner Pays Real Estate Taxes (Even If Incl In Mortgage)
0536 BUYXR This Property Purchased In Last 12 Months
2000 BWTV1 TV Purchased Is Black & White Or Color (Set 1 of 2)
2001 BWTV2 TV Purchased Is Black & White Or Color (Set 2 of 2)
0823 C6 No. of Children of Ref Person 0-6 Years Old, In Hhold
0825 C18 No. of Unmarried Children 18 Or Over of Ref Per, in Hhold
0824 C617 No. of Unmarried Children 6-17 of Ref Person, in Hhold
1476 CAMF Condominium Fee Due
1496 CAMTE Average Monthly Cost Of Electricity Over Past 12 Months
1497 CAMTG Average Monthly Cost of Gas Over Past 12 Months
1502 CAMTI Yearly Cost Of Fire And Hazard Insurance
1501 CAMTO Yrly Cost of Oil, Coal, Kerosene, Wood, Other Fuel
1498 CAMTT Yearly Cost of Garbage (Food Waste) Collection
1500 CAMTW Yearly Cost Of Water
1499 CAMTX Yearly Cost Of Real Estate Taxes
1571 CANCER Cancer Or Other Tumor, Growth Or Cyst
1471 CANRNT Any Units In This Development Rented Or For Rent
0046 CARS No. of Household Cars Including Company Owned Vehicles
0940 CART01 Car Used During Journey To Work-Worker 1
0941 CART02 Car Used During Journey To Work-Worker 2
0942 CART03 Car Used During Journey To Work-Worker 3
0943 CART04 Car Used During Journey To Work-Worker 4
0944 CART05 Car Used During Journey To Work-Worker 5
0945 CART06 Car Used During Journey To Work-Worker 6
0946 CART07 Car Used During Journey To Work-Worker 7
0947 CART08 Car Used During Journey To Work-Worker 8
0939 CART0J Car Used In Mainly Non-car Trip To Work, Ref Person
1489 CBUYE Pay For Electricity Separately From Fee
1490 CBUYG Pay For Gas Separately From Fee
1494 CBUYI Pay For Fire and Hazard Ins Sep From Mortgage
1492 CBUYO Pay For Oil, Coal, Kerosene, Wood or Other Fuel
1493 CBUYT Pay For Garbage (Food Waste) Collection Separately
1491 CBUYW Pay For Water Separately From Fee
1495 CBUYX Pay Real Estate Taxes Separately From Mortgage
0035 CELLAR Basement In House Or Building
1474 CFPMT Mortgage Payments On This Unit Due
0063 CFUEL Primary Cooking Fuel
0356 CHHEAD Reference Person's Residence on 4/1/70

0357 CHUSAF Reference Person in U.S. Armed Forces 4/1/70
 0358 CINLIM Reference Person Lived In City/Town Limits 4/1/70
 1580 CIRCLE Diseases Of The Circulatory System
 0714 CLASST Hhld Rec. Assistance To Cool Home from Govt 10/82-9/83
 0040 CLIMB Stories From Main Bldg. Entry To Main Apartment Entry
 1609 CLINE1 Line Number of Person 1 With Physical Conditions
 1610 CLINE2 Line Number of Person 2 With Physical Conditions
 1611 CLINE3 Line Number of Person 3 With Physical Conditions
 1612 CLINE4 Line Number of Person 4 With Physical Conditions
 1613 CLINE5 Line Number of Person 5 With Physical Conditions
 1614 CLINE6 Line Number of Person 6 With Physical Conditions
 1483 CMNTN Upkeep Maintenance of the Common Space/Grounds in Fee
 1472 CMORT Mortgage on Unit
 0873 CMS Conversion-Merger Status Since Last Survey
 0876 CMSYR Year Of Status Change
 1657 CONA1 First Disabling Condition Reported For Person 1
 1658 CONA2 First Disabling Condition Reported For Person 2
 1659 CONA3 First Disabling Condition Reported For Person 3
 1660 CONA4 First Disabling Condition Reported For Person 4
 1661 CONA5 First Disabling Condition Reported For Person 5
 1662 CONA6 First Disabling Condition Reported For Person 6
 1663 CONB1 Second Disabling Condition Reported For Person 1
 1664 CONB2 Second Disabling Condition Reported For Person 2
 1665 CONB3 Second Disabling Condition Reported For Person 3
 1666 CONB4 Second Disabling Condition Reported For Person 4
 1667 CONB5 Second Disabling Condition Reported For Person 5
 1668 CONB6 Second Disabling Condition Reported For Person 6
 1669 CONC1 Third Disabling Condition Reported For Person 1
 1670 CONC2 Third Disabling Condition Reported For Person 2
 1671 CONC3 Third Disabling Condition Reported For Person 3
 1672 CONC4 Third Disabling Condition Reported For Person 4
 1673 CONC5 Third Disabling Condition Reported For Person 5
 1674 CONC6 Third Disabling Condition Reported For Person 6
 1675 COND1 Fourth Disabling Condition Reported For Person 1
 1676 COND2 Fourth Disabling Condition Reported For Person 2
 1677 COND3 Fourth Disabling Condition Reported For Person 3
 1678 COND4 Fourth Disabling Condition Reported For Person 4
 1679 COND5 Fourth Disabling Condition Reported For Person 5
 1680 COND6 Fourth Disabling Condition Reported For Person 6
 1588 CONDNO Any Disabling Conditions Present In Household
 1467 CONDO This House/Apartment Part Of A Condominium
 1587 CONDOR Other Conditions
 1478 CONE Electricity Included in Fee
 1681 CONE1 Fifth Disabling Condition Reported For Person 1
 1682 CONE2 Fifth Disabling Condition Reported For Person 2
 1683 CONE3 Fifth Disabling Condition Reported For Person 3
 1684 CONE4 Fifth Disabling Condition Reported For Person 4
 1685 CONE5 Fifth Disabling Condition Reported For Person 5
 1686 CONE6 Fifth Disabling Condition Reported For Person 6
 1687 CONF1 Sixth Disabling Condition Reported For Person 1
 1688 CONF2 Sixth Disabling Condition Reported For Person 2
 1689 CONF3 Sixth Disabling Condition Reported For Person 3
 1690 CONF4 Sixth Disabling Condition Reported For Person 4
 1691 CONF5 Sixth Disabling Condition Reported For Person 5
 1692 CONF6 Sixth Disabling Condition Reported For Person 6
 1477 CONFEE Amount of Condominium Fee
 0229 CONFUR Maintenance Contract on Furnace
 1479 CONG Gas Included in Fee
 1481 CONO Oil, Coal, Kerosene, Wood, or Other Fuels in Fee
 1482 CONT Garbage (Food Waste) Collection Included in Fee
 0854 CONTRLX Control Number Suffix
 0853 CONTROL Control Number For Unit Tracking
 1480 CONW Water Included in Fee
 0561 COSTE Average Monthly Cost of Electricity (Renter)
 0575 COSTF Average Monthly Rent On Furniture (Renter)
 0562 COSTG Average Monthly Cost Of Gas (Renter)
 0564 COSTO Average Annual Cost Of Oil, Coal, Etc. (Renter)
 0576 COSTP Monthly Cost For Parking Space (Renter)
 0563 COSTT Average Annual Cost Of Garbage Collection (Renter)
 1963 COSTV1 Cost After Deduction For Trade-In (Vehicle 1 of 4)
 1964 COSTV2 Cost After Deduction For Trade-In (Vehicle 2 of 4)
 1965 COSTV3 Cost After Deduction For Trade-In (Vehicle 3 of 4)
 1966 COSTV4 Cost After Deduction For Trade-In (Vehicle 4 of 4)
 0565 COSTW Average Annual Cost Of Water (Renter)
 1488 COTHER Other Items Are Included In Condominium Fee
 1581 COUGH Diseases Of The Respiratory System

0012 COUNTY County Codes
 1484 CPARK Off-Street Parking Included in Fee
 1473 CPMT Required Total Mortgage Payments On This Unit
 0270 CRACKS Open Cracks or Holes in Walls or Ceiling
 1486 CREC Other Recreational Facilities Included in Fee
 0441 CRIME Street/Neighborhood Crime Present
 0450 CRIMED Street/Neighborhood Crime Disturbing
 0461 CRIMEM Street/Neighborhood Crime-Want To Move
 0007 CROP5 Crop Sales \$50 Or More In The Last 12 Months
 0008 CROP25 Crop Sales \$250 Or More In The Last 12 Months
 0009 CROPSL Crop Sales \$1000 Or More In The Last 12 Months
 1487 CSECUR Security Personnel Included in Fee
 1995 CSTAR1 Cost Of Room Air Conditioner (Unit 1)
 1996 CSTAR2 Cost Of Room Air Conditioner (Unit 2)
 1485 CSWIM Swimming Facilities Included in Fee
 1475 CTXPMT Real Estate Taxes Included In Mortgage Payments
 1983 CYLNV1 Number Of Cylinders For Trade-In Vehicle 1
 1984 CYLNV2 Number Of Cylinders For Trade-In Vehicle 2
 1985 CYLNV3 Number Of Cylinders For Trade-In Vehicle 3
 1986 CYLNV4 Number Of Cylinders For Trade-In Vehicle 4
 1232 DAMAGE Description Of Damages Incurred During Transport
 0856 DATE Date of Interview
 1187 DCLAFF Work-Home More Than 5 Miles-Can't Afford Closer Home
 1168 DCLAVL Work-Home More Than 5 Miles-No Closer Homes Available
 1169 DCLCHG Work-Home More Than 5 Miles-Don't Like Change
 1166 DCLFMJ Work-Home More Than 5 Miles-Other HH Members' Jobs
 1162 DCLHSE Work-Home More Than 5 Miles-Dislike Closer Homes
 1171 DCLOTH Work-Home More Than 5 Miles-Other Negative Reason
 1163 DCLPEO Work-Home More Than 5 Miles-Dislike Closer People
 1164 DCLSCH Work-Home More Than 5 Miles-Poor Schools Closer
 1165 DCLSHP Work-Home More Than 5 Miles-Inconvenient Shopng Closer
 1170 DCLTMP Work-Home More Than 5 Miles-Head's Job Temporary
 1560 DEAF Deafness Or Serious Trouble Hearing
 1569 DIABET Diabetes
 1576 DIET Endocrine, Nutritional, and Metabolic Diseases
 1621 DIFA1 First Difficulty Reported For Person 1
 1622 DIFA2 First Difficulty Reported For Person 2
 1623 DIFA3 First Difficulty Reported For Person 3
 1624 DIFA4 First Difficulty Reported For Person 4
 1625 DIFA5 First Difficulty Reported For Person 5
 1626 DIFA6 First Difficulty Reported For Person 6
 1627 DIFB1 Second Difficulty Reported For Person 1
 1628 DIFB2 Second Difficulty Reported For Person 2
 1629 DIFB3 Second Difficulty Reported For Person 3
 1630 DIFB4 Second Difficulty Reported For Person 4
 1631 DIFB5 Second Difficulty Reported For Person 5
 1632 DIFB6 Second Difficulty Reported For Person 6
 1633 DIFC1 Third Difficulty Reported For Person 1
 1634 DIFC2 Third Difficulty Reported For Person 2
 1635 DIFC3 Third Difficulty Reported For Person 3
 1636 DIFC4 Third Difficulty Reported For Person 4
 1637 DIFC5 Third Difficulty Reported For Person 5
 1638 DIFC6 Third Difficulty Reported For Person 6
 1639 DIFD1 Fourth Difficulty Reported For Person 1
 1640 DIFD2 Fourth Difficulty Reported For Person 2
 1641 DIFD3 Fourth Difficulty Reported For Person 3
 1642 DIFD4 Fourth Difficulty Reported For Person 4
 1643 DIFD5 Fourth Difficulty Reported For Person 5
 1644 DIFD6 Fourth Difficulty Reported For Person 6
 1645 DIFE1 Fifth Difficulty Reported For Person 1
 1646 DIFE2 Fifth Difficulty Reported For Person 2
 1647 DIFE3 Fifth Difficulty Reported For Person 3
 1648 DIFE4 Fifth Difficulty Reported For Person 4
 1649 DIFE5 Fifth Difficulty Reported For Person 5
 1650 DIFE6 Fifth Difficulty Reported For Person 6
 1651 DIFF1 Sixth Difficulty Reported For Person 1
 1652 DIFF2 Sixth Difficulty Reported For Person 2
 1653 DIFF3 Sixth Difficulty Reported For Person 3
 1654 DIFF4 Sixth Difficulty Reported For Person 4
 1655 DIFF5 Sixth Difficulty Reported For Person 5
 1656 DIFF6 Sixth Difficulty Reported For Person 6
 1547 DIFFNO Any HH Member Have Difficulty Getting Around
 1582 DIGEST Diseases Of The Digestive System
 0278 DILAPM Want to Move Because Of Leaks, Cracks, Holes,
 1542 DISABL Number of Disabled Persons In Household
 2015 DISHER Dishwasher, Owned Or Furnished By Someone Else

0288 DISP Means of Garbage Disposal
1112 DISTJ One-Way Distance From Home To Work-Reference Person
1113 DISTJ1 One-Way Distance From Home To Work-Worker 1
1114 DISTJ2 One-Way Distance From Home To Work-Worker 2
1115 DISTJ3 One-Way Distance From Home To Work-Worker 3
1116 DISTJ4 One-Way Distance From Home To Work-Worker 4
1117 DISTJ5 One-Way Distance From Home To Work-Worker 5
1118 DISTJ6 One-Way Distance From Home To Work-Worker 6
1119 DISTJ7 One-Way Distance From Home To Work-Worker 7
1120 DISTJ8 One-Way Distance From Home To Work-Worker 8
0720 DLINE1 Line Number of Respondent
0043 DOCS Medical, Dental Office In Building (Enumerator
1943 DRIVE1 Thousands Of Miles Driven Since Purchase (Vehicle 1)
1944 DRIVE2 Thousands Of Miles Driven Since Purchase (Vehicle 2)
1945 DRIVE3 Thousands Of Miles Driven Since Purchase (Vehicle 3)
1946 DRIVE4 Thousands Of Miles Driven Since Purchase (Vehicle 4)
1939 DRVYR1 Thousands Of Miles Driven During Past 12 Months (Veh 1)
1940 DRVYR2 Thousands Of Miles Driven During Past 12 Months (Veh 2)
1941 DRVYR3 Thousands Of Miles Driven During Past 12 Months (Veh 3)
1942 DRVYR4 Thousands Of Miles Driven During Past 12 Months (Veh 4)
2014 DRYCST Cost of Clothes Dryer
2012 DRYER Clothes Dryer Owned Or Furnished By Someone Else
2013 DRYOWN Clothes Dryer Purchased New Or Used
2017 DSHCST Cost of Dishwasher
2016 DSHOWN Is Dishwasher Owned Or Furnished By Someone Else
0436 DUMP Rundown Houses or Buildings Present
0453 DUMPD Rundown Houses or Buildings Disturbing
0464 DUMPM Rundown Houses or Buildings-Want To Move
0538 DWNPAY Major Source of Dnprmnt.--Purchase/Constr. of Property
0496 EABAN Street Has Bldg(s) Aban,Boarded Up Or With Brokn Wndws
0497 EABAN2 Street Has Abandoned Bldng(s)
0649 EALIM Any Alimony Or Child Support Income, non-rels
1861 EBATH1 Redesigned Bathroom Wld Aid In Use Of Fac by Person 1
1862 EBATH2 Redesigned Bathroom Wld Aid In Use Of Fac by Person 2
1863 EBATH3 Redesigned Bathroom Wld Aid In Use Of Fac by Person 3
1864 EBATH4 Redesigned Bathroom Wld Aid In Use Of Fac by Person 4
1865 EBATH5 Redesigned Bathroom Wld Aid In Use Of Fac by Person 5
1866 EBATH6 Redesigned Bathroom Wld Aid In Use Of Fac by Person 6
0716 ECASST Hhld Rec. Services From Energy Saving Prog 10/82-9/83
0640 EDIV Any Estates, Trusts, Or Dividends Income, non-rels
0715 EEASST Hhld Rec. Assistance For Energy Emergency 10/82-9/83
1891 EFLAS1 Flashing Lights Wld Aid In Use Of Fac by Person 1
1892 EFLAS2 Flashing Lights Wld Aid In Use Of Fac by Person 2
1893 EFLAS3 Flashing Lights Wld Aid In Use Of Fac by Person 3
1894 EFLAS4 Flashing Lights Wld Aid In Use Of Fac by Person 4
1895 EFLAS5 Flashing Lights Wld Aid In Use Of Fac by Person 5
1896 EFLAS6 Flashing Lights Wld Aid In Use Of Fac by Person 6
0646 EGOVFN Any Government Employee Pension Income, non-rels
1867 EHNDL1 Door Handles Wld Aid In Use Of Facilities by Person 1
1868 EHNDL2 Door Handles Wld Aid In Use Of Facilities by Person 2
1869 EHNDL3 Door Handles Wld Aid In Use Of Facilities by Person 3
1870 EHNDL4 Door Handles Wld Aid In Use Of Facilities by Person 4
1871 EHNDL5 Door Handles Wld Aid In Use Of Facilities by Person 5
1872 EHNDL6 Door Handles Wld Aid In Use Of Facilities by Person 6
0641 EINT Any Interest Income, non-rels
0433 EJUNK Trash, Litter Or Junk In Neighborhood (Enumerator
0039 ELEV Passenger Elevator In Building (Enumerator Observation)
1615 ELINE1 Line Number Of Person 1 With Difficulties Or Conditions
1616 ELINE2 Line Number Of Person 2 With Difficulties Or Conditions
1617 ELINE3 Line Number Of Person 3 With Difficulties Or Conditions
1618 ELINE4 Line Number Of Person 4 With Difficulties Or Conditions
1619 ELINE5 Line Number Of Person 5 With Difficulties Or Conditions
1620 ELINE6 Line Number Of Person 6 With Difficulties Or Conditions
1552 EMPHY Emphysema
1909 EN01 No Feature Wld Aid In Use Of Facilities by Person 1
1910 EN02 No Feature Wld Aid In Use Of Facilities by Person 2
1911 EN03 No Feature Wld Aid In Use Of Facilities by Person 3
1912 EN04 No Feature Wld Aid In Use Of Facilities by Person 4
1913 EN05 No Feature Wld Aid In Use Of Facilities by Person 5
1914 EN06 No Feature Wld Aid In Use Of Facilities by Person 6
0651 EOTHER Any Other Income, non-rels
1903 EOTHR1 Other Feature(s) Wld Aid In Use Of Fac by Person 1
1904 EOTHR2 Other Feature(s) Wld Aid In Use Of Fac by Person 2
1905 EOTHR3 Other Feature(s) Wld Aid In Use Of Fac by Person 3
1906 EOTHR4 Other Feature(s) Wld Aid In Use Of Fac by Person 4
1907 EOTHR5 Other Feature(s) Wld Aid In Use Of Fac by Person 5

1908 EOTHR6 Other Feature(s) Wld Aid In Use Of Fac by Person 6
 0650 EOUTPR Any Reg Contributions From Pers. Not In Hhold, non-rels
 1885 EPHON1 Special Phone Wld Aid In Use Of Facilities by Person 1
 1886 EPHON2 Special Phone Wld Aid In Use Of Facilities by Person 2
 1887 EPHON3 Special Phone Wld Aid In Use Of Facilities by Person 3
 1888 EPHON4 Special Phone Wld Aid In Use Of Facilities by Person 4
 1889 EPHON5 Special Phone Wld Aid In Use Of Facilities by Person 5
 1890 EPHON6 Special Phone Wld Aid In Use Of Facilities by Person 6
 1558 EPILEP Convulsions Or Epileptic Seizures
 0648 EPRVPM Any Private Pension & Annuity Income, non-rels
 1879 EPUSH1 Push Bars Wld Aid In Use Of Facilities by Person 1
 1880 EPUSH2 Push Bars Wld Aid In Use Of Facilities by Person 2
 1881 EPUSH3 Push Bars Wld Aid In Use Of Facilities by Person 3
 1882 EPUSH4 Push Bars Wld Aid In Use Of Facilities by Person 4
 1883 EPUSH5 Push Bars Wld Aid In Use Of Facilities by Person 5
 1884 EPUSH6 Push Bars Wld Aid In Use Of Facilities by Person 6
 1897 ERAIL1 Extra Handrails Wld Aid In Use Of Fac by Person 1
 1898 ERAIL2 Extra Handrails Wld Aid In Use Of Fac by Person 2
 1899 ERAIL3 Extra Handrails Wld Aid In Use Of Fac by Person 3
 1900 ERAIL4 Extra Handrails Wld Aid In Use Of Fac by Person 4
 1901 ERAIL5 Extra Handrails Wld Aid In Use Of Fac by Person 5
 1902 ERAIL6 Extra Handrails Wld Aid In Use Of Fac by Person 6
 1873 ERAIS1 Raised Letters Wld Aid In Use Of Facilities by Person 1
 1874 ERAIS2 Raised Letters Wld Aid In Use Of Facilities by Person 2
 1875 ERAIS3 Raised Letters Wld Aid In Use Of Facilities by Person 3
 1876 ERAIS4 Raised Letters Wld Aid In Use Of Facilities by Person 4
 1877 ERAIS5 Raised Letters Wld Aid In Use Of Facilities by Person 5
 1878 ERAIS6 Raised Letters Wld Aid In Use Of Facilities by Person 6
 0642 ERENT Any Net Rental Income, non-rels
 0432 EROAD Condition of Streets And Roads In Neighborhood
 1855 ESCKT1 Wall Sockets Would Aid In Use Of Facilities By Person 1
 1856 ESCKT2 Wall Sockets Would Aid In Use Of Facilities By Person 2
 1857 ESCKT3 Wall Sockets Would Aid In Use Of Facilities By Person 3
 1858 ESCKT4 Wall Sockets Would Aid In Use Of Facilities By Person 4
 1859 ESCKT5 Wall Sockets Would Aid In Use Of Facilities By Person 5
 1860 ESCKT6 Wall Sockets Would Aid In Use Of Facilities By Person 6
 1849 ESINK1 Sink Would Aid In Use Of Facilities By Person 1
 1850 ESINK2 Sink Would Aid In Use Of Facilities By Person 2
 1851 ESINK3 Sink Would Aid In Use Of Facilities By Person 3
 1852 ESINK4 Sink Would Aid In Use Of Facilities By Person 4
 1853 ESINK5 Sink Would Aid In Use Of Facilities By Person 5
 1854 ESINK6 Sink Would Aid In Use Of Facilities By Person 6
 0639 ESS Any Social Security Or RR Retirement Income, non-rels
 0644 EUNEMP Any Unemployment Compensation Income, non-rels
 0647 EVET Any Veteran's Payments Income, non-rels
 0643 EWELF Any Welfare Or Public Assistance Income*, non-rels
 0645 EWKCMP Any Workmens Compensation Income, non-rels
 0291 EXTERM Service by Exterminator
 0088 FAFURA Piped Gas Used For Air Furnace
 0089 FAFURB Bottled Gas Used For Air Furnace
 0090 FAFURC Fuel Oil Used For Air Furnace
 0091 FAFURD Kerosene Used For Air Furnace
 0092 FAFURE Electricity Used For Air Furnace
 0093 FAFURF Coke Or Coal Used For Air Furnace
 0094 FAFURG Wood Used For Air Furnace
 0095 FAFURH Solar Heat Used For Air Furnace
 0096 FAFURI Other Heat Used For Air Furnace
 0573 FARP Parking Space Away From Building (Renter)
 0115 FELCTA Piped Gas Used For Built-In Electric Units
 0116 FELCTB Bottled Gas Used For Built-In Electric Units
 0117 FELCTC Fuel Oil Used For Built-In Electric Units
 0118 FELCTD Kerosene Used For Built-In Electric Units
 0119 FELCTE Electricity Used For Built-In Electric Units
 0120 FELCTF Coke or Coal Used For Built-In Electric Units
 0121 FELCTG Wood Used For Built-In Electric Units
 0122 FELCTH Solar Heat Used For Built-In Electric Units
 0123 FELCTI Other Fuel Used For Built-In Electric Units
 0133 FFLINA Piped Gas Used For Vented Rm Htrs Burning Liquid Fuel
 0134 FFLINB Bottled Gas For Vented Rm Htrs Burning Liquid Fuel
 0135 FFLINC Fuel Oil For Vented Rm Htrs Burning Liquid Fuel
 0136 FFLIND Kerosene For Vented Rm Htrs Burning Liquid Fuel
 0137 FFLINE Electricity For Vented Rm Htrs Burning Liquid Fuel
 0138 FFLINF Coke or Coal For Vented Rm Htrs Burning Liquid Fuel
 0139 FFLING Wood For Vented Rm Htrs Burning Liquid Fuel
 0140 FFLINH Solar Heat For Vented Rm Htrs Burning Liquid Fuel
 0141 FFLINI Other Fuels For Vented Rm Htrs Burning Liquid Fuel

0142 FFLOTA Piped Gas For Unvented Rm Htrs Burning Liquid Fuel
 0143 FFLOTB Bottled Gas For Unvented Rm Htrs Burning Liquid Fuel
 0144 FFLOTC Fuel Oil For Unvented Rm Htrs Burning Liquid Fuel
 0145 FFLOTD Kerosene For Unvented Rm Htrs Burning Liquid Fuel
 0146 FFLOTE Electricity For Unvented Rm Htrs Burning Liquid Fuel
 0147 FFLOTF Coke or Coal For Unvented Rm Htrs Burning Liquid Fuel
 0148 FFLOTG Wood For Unvented Rm Htrs Burning Liquid Fuel
 0149 FFLOTH Solar Heat For Unvented Rm Htrs Burning Liquid Fuel
 0150 FFLOTI Other Fuel For Unvented Rm Htrs Burning Liquid Fuel
 0151 FFRPLA Piped Gas Used For Fireplace
 0152 FFRPLB Bottled Gas Used For Fireplace
 0153 FFRPLC Fuel Oil Used For Fireplace
 0154 FFRPLD Kerosene Used For Fireplace
 0155 FFRPLE Electricity Used For Fireplace
 0156 FFRPLF Coke or Coal Used For Fireplace
 0157 FFRPLG Wood Used For Fireplace
 0158 FFRPLH Solar Heat Used For Fireplace
 0159 FFRPLI Other Fuel Used For Fireplace
 0178 FHOTHA Piped Gas Used For Other Supp. Heat Source
 0179 FHOTHB Bottled Gas Used For Other Supp. Heat Source
 0180 FHOTHC Fuel Oil Used For Other Supp. Heat Source
 0181 FHOTHD Kerosene Used For Other Supp. Heat Source
 0182 FHOTHE Electricity Used For Other Supp. Heat Source
 0183 FHOTHF Coke or Coal Used For Other Supp. Heat Source
 0184 FHOTHG Wood Used For Other Supp. Heat Source
 0185 FHOTHH Solar Heat Used For Other Supp. Heat Source
 0186 FHOTHI Other Fuel Used For Other Supp. Heat Source
 0097 FHPMPA Piped Gas Used For Heat Pump
 0098 FHPMPB Bottled Gas Used For Heat Pump
 0099 FHPMPC Fuel Oil Used For Heat Pump
 0100 FHPMPD Kerosene Used For Heat Pump
 0101 FHPMPE Electricity Used For Heat Pump
 0102 FHPMPF Coke or Coal Used For Heat Pump
 0103 FHPMPG Wood Used For Heat Pump
 0104 FHPMPH Solar Heat Used For Heat Pump
 0105 FHPMPI Other Fuel Used For Heat Pump
 0485 FIRE Fire Protection Adequate
 0486 FIREM Fire Protection So Inadequate That You Want To Move
 0529 FIX Repairs to Property In Last 12 Months
 1603 FLINE1 Line Number of Person 1 With Difficulties
 1604 FLINE2 Line Number of Person 2 With Difficulties
 1605 FLINE3 Line Number of Person 3 With Difficulties
 1606 FLINE4 Line Number of Person 4 With Difficulties
 1607 FLINE5 Line Number of Person 5 With Difficulties
 1608 FLINE6 Line Number of Person 6 With Difficulties
 0041 FLOORS Stories In Building (Excluding Basement)
 1195 FLRENT Frequency Of Site Rent, Home Owned
 0124 FPLFA Piped Gas Used For Floor, Wall, Or Pipeless Furnace
 0125 FPLFB Piped Gas Used For Floor, Wall, Or Pipeless Furnace
 0126 FPLFC Fuel Oil Used For Floor, Wall, Or Pipeless Furnace
 0127 FPLFD Kerosene Used For Floor, Wall, Or Pipeless Furnace
 0128 FPLFE Electricity Used For Floor, Wall, Or Pipeless Furnace
 0129 FPLFF Coke or Coal Used For Floor, Wall, Or Pipeless Furnace
 0130 FPLFG Wood Used For Floor, Wall, Or Pipeless Furnace
 0131 FPLFH Solar Heat Used For Floor, Wall, Or Pipeless Furnace
 0132 FPLFI Other Fuel Used For Floor, Wall, Or Pipeless Furnace
 0187 FPLFUL Main Fuel Used In Fireplace Or Heating Stove
 0224 FPLWK Fireplace Or Heating Stove In Working Order
 0504 FPMT Frequency of Mortgage Payment
 0169 FPORTA Piped Gas Used For Portable Room Heaters
 0170 FPORTB Bottled Gas Used For Portable Room Heaters
 0171 FPORTC Fuel Oil Used For Portable Room Heaters
 0172 FPORTD Kerosene Used For Portable Room Heaters
 0173 FPORTE Electricity Used For Portable Room Heaters
 0174 FPORTF Coke or Coal Used For Portable Room Heaters
 0175 FPORTG Wood Used For Portable Room Heaters
 0176 FPORTH Solar Heat Used For Portable Room Heaters
 0177 FPORTI Other Fuel Used For Portable Room Heaters
 2018 FREEZ Separate Freezer, Owned Or Furnished By Someone Else
 0236 FREEZE House Too Cold 24+ Hours
 0555 FRENT Frequency Of Rent Payment
 0223 FRPL House/Apartment Has Fireplace Or Heating Stove
 0534 FRSTHO Current Res. Is First Home Reference Person Ever Owned
 0548 FRSTOC First Occupants of House/Apartment
 2020 FRZCST Cost Of Separate Freezer
 2019 FRZOWN Separate Freezer Purchased New Or Used

1199 FSRENT Rent Freq For Mobile Home Site-Home Rented Separately
0106 FSTEMA Piped Gas Used For Steam Or Hot Water System
0107 FSTEMB Bottled Gas Used For Steam Or Hot Water System
0108 FSTEMC Fuel Oil Used For Steam Or Hot Water System
0109 FSTEMD Kerosene Used For Steam Or Hot Water System
0110 FSTEME Electricity Used For Steam Or Hot Water System
0111 FSTEMF Coke or Coal Used For Steam Or Hot Water System
0112 FSTEMG Wood Used For Steam Or Hot Water System
0113 FSTEMH Solar Heat Used For Steam Or Hot Water System
0114 FSTEMI Other Fuel Used For Steam Or Hot Water System
0160 FSTOVA Piped Gas Used For Stove
0161 FSTOVB Bottled Gas Used For Stove
0162 FSTOVC Fuel Oil Used For Stove
0163 FSTOVD Kerosene Used For Stove
0164 FSTOVE Electricity Used For Stove
0165 FSTOVF Coke or Coal Used For Stove
0166 FSTOVG Wood Used For Stove
0167 FSTOVH Solar Heat Used For Stove
0168 FSTOVI Other Fuel Used For Stove
0287 FTRASH Frequency of Garbage Pickup
0227 FURAGE Age of Furnace
0228 FURMAN Maintenance Done On Furnace In Last 12 Months
0468 FUZZ Police Protection Adequate
0469 FUZZM How Inadequate Is Police Protection
0044 GARAGE Garage/Carport On Property Available For Use
0045 GARGC Change In Availability Of Garage/Carport Since Last Int.
0815 GRADE1 Highest School Grade Attended By Head/Reference Person
0816 GRADER Highest School Grade Attended By Ref Person
0215 HAO1SL Solar Heating Equipment Acquired In Last 12 Months
0216 HAO2WS Wood Or Coal Burning Stove Acquired In Last 12 Mos.
0217 HAO3FP Wood Or Coal Burning Fireplace Acq. In Last 12 Mos.
0218 HAO4EH Portable Electric Heater Acquired In Last 12 Months
0219 HAO5UV Room Heater W/O Flue/Vent Burning Gas/Oil/Kerosene
0220 HAO6OT Other Type Of Supplemental Heating Equipment Acq.
0221 HAO7NO No Supp. Heating Equipment Acquired In Last 12 Mos.
0190 HADDL Used Additional Heating Equipment Past Winter
1598 HBATH Bathroom Designed For Wheel Chair Present
1555 HEARTO Any Other Heart Trouble
1012 HEDJOB Reports Same Place Each Day To Start Work, Ref Per
1591 HELEV Elevator Present
1693 HELP1 Help Needed From Person Or Equipment By Person 1
1694 HELP2 Help Needed From Person Or Equipment By Person 2
1695 HELP3 Help Needed From Person Or Equipment By Person 3
1696 HELP4 Help Needed From Person Or Equipment By Person 4
1697 HELP5 Help Needed From Person Or Equipment By Person 5
1698 HELP6 Help Needed From Person Or Equipment By Person 6
1705 HELPE1 Help Needed From Equipment By Person 1
1706 HELPE2 Help Needed From Equipment By Person 2
1707 HELPE3 Help Needed From Equipment By Person 3
1708 HELPE4 Help Needed From Equipment By Person 4
1709 HELPE5 Help Needed From Equipment By Person 5
1710 HELPE6 Help Needed From Equipment By Person 6
1699 HELPP1 Help Needed From Another Person By Person 1
1700 HELPP2 Help Needed From Another Person By Person 2
1701 HELPP3 Help Needed From Another Person By Person 3
1702 HELPP4 Help Needed From Another Person By Person 4
1703 HELPP5 Help Needed From Another Person By Person 5
1704 HELPP6 Help Needed From Another Person By Person 6
0189 HEQUIP Main Type of Heating Equipment Used
0355 HERE16 At Age 16, Did Ref Person Live In Same Or Diff Place
0087 HFC12 Change in Heating Fuel in Last 12 Months.
1600 HFLAS Flashing Lights Present
0085 HFUEL Heating Fuel
0086 HFUEL Change in Heating Fuel Since Last Survey
0827 HHCOMP Presence of Spouse
0855 HHLD Household Occupancy Number
1593 HHNDL Door Handles Instead of Knobs Present
0875 HISTRY Status of Unit
1013 HJOB1 Report Same Place Each Day To Start Work-Worker 1
1014 HJOB2 Report Same Place Each Day To Start Work-Worker 2
1015 HJOB3 Report Same Place Each Day To Start Work-Worker 3
1016 HJOB4 Report Same Place Each Day To Start Work-Worker 4
1017 HJOB5 Report Same Place Each Day To Start Work-Worker 5
1018 HJOB6 Report Same Place Each Day To Start Work-Worker 6
1019 HJOB7 Report Same Place Each Day To Start Work-Worker 7
1020 HJOB8 Report Same Place Each Day To Start Work-Worker 8

1602 HNO No Special Features Present
0271 HOLES Holes In Floor
0483 HOSP Hospitals Or Health Clinics Adequate
0484 HOSPM Hospitals So Inadequate That You Want To Move
1601 HOTH Other Special Feature Present
0234 HOTPIP Hot Piped Water
0502 HOWBUY How Property Was Acquired
0267 HOWH Resident's Satisfaction With House As Residence
1201 HOWMH Rating Of This Mobile Home As Place To Live
0431 HOWN Resident's Satisfaction With Street As Residence
1599 HPHON Specially Equipped Telephone Present
1595 HPUSH Push Bars Present
1589 HRAIL Extra Handrails Or Grabbers Present
1594 HRAIS Raised Lettering Or Braille Present
1590 HRAMP Ramps Present
1597 HSCKT Special Wall Sockets Or Light Switches Present
1596 HSINK Special Sink, Faucets Or Cabinets Present
0718 HTASCR Home Heat Assistance For Current Residence
0719 HTASPR Home Heat Assistance For Previous Residence
0713 HTASST Hhld Rec. Assistance for Home Heat from Govt 10/82-9/83
1145 HTRAN1 Satisfaction With Present Prin Means Of Trans-Worker 1
1146 HTRAN2 Satisfaction With Present Prin Means Of Trans-Worker 2
1147 HTRAN3 Satisfaction With Present Prin Means Of Trans-Worker 3
1148 HTRAN4 Satisfaction With Present Prin Means Of Trans-Worker 4
1149 HTRAN5 Satisfaction With Present Prin Means Of Trans-Worker 5
1150 HTRAN6 Satisfaction With Present Prin Means Of Trans-Worker 6
1151 HTRAN7 Satisfaction With Present Prin Means Of Trans-Worker 7
1152 HTRAN8 Satisfaction With Present Prin Means Of Trans-Worker 8
1592 HWIDE Extra Wide Doors Or Hallways Present
1753 IELEV1 Elevator Help Person 1 Get Around Inside House
1754 IELEV2 Elevator Help Person 2 Get Around Inside House
1755 IELEV3 Elevator Help Person 3 Get Around Inside House
1756 IELEV4 Elevator Help Person 4 Get Around Inside House
1757 IELEV5 Elevator Help Person 5 Get Around Inside House
1758 IELEV6 Elevator Help Person 6 Get Around Inside House
0055 IF3BED Any Bedrooms Used For Sleeping By 3 Or More Persons
0283 IFBLOW Blew Fuses or Breakers In Last 90 Days
0239 IFCLSD Any Rooms Closed for Warmth Last Winter
0237 IFCOLD Heat Breakdowns Last Winter Lasted 6 Hours Or More
0069 IFDRY Water Source Breakdown Last 90 Days
0568 IFF Apartment Or House Rented Furnished
0880 IFJ Reference Person/Head Employed Last Week
0893 IFJ1 Adult 1 Employed Last Week
0894 IFJ2 Adult 2 Employed Last Week
0895 IFJ3 Adult 3 Employed Last Week
0896 IFJ4 Adult 4 Employed Last Week
0897 IFJ5 Adult 5 Employed Last Week
0898 IFJ6 Adult 6 Employed Last Week
0899 IFJ7 Adult 7 Employed Last Week
0900 IFJ8 Adult 8 Employed Last Week
0901 IFJ9 Adult 9 Employed Last Week
0902 IFJ10 Adult 10 Employed Last Week
0903 IFJ11 Adult 11 Employed Last Week
0904 IFJ12 Adult 12 Employed Last Week
0225 IFND Any Rooms Without Hot Air Ducts
0571 IFP Parking Facilities Available With Building (Renter)
0082 IFSEW Public Sewer Breakdown in Last 90 Days
0075 IFTLT Flush Toilet Breakdown Last 90 Days
1783 IHNDL1 Door Handles Help Person 1 Get Around Inside House
1784 IHNDL2 Door Handles Help Person 2 Get Around Inside House
1785 IHNDL3 Door Handles Help Person 3 Get Around Inside House
1786 IHNDL4 Door Handles Help Person 4 Get Around Inside House
1787 IHNDL5 Door Handles Help Person 5 Get Around Inside House
1788 IHNDL6 Door Handles Help Person 6 Get Around Inside House
0531 IMM Expect to Add, Repair, Fix, Alter in Next 12 Months
0857 IMONTH Interview Panel
0600 INCOME Family Income From Wages, Salary, Tips, Commis Etc.
0572 INCP Cost Of Parking Space Included In Rent
1197 INCS Site Rent Included In Home Rent
1837 INO1 No Features Help Person 1 Get Around Inside House
1838 INO2 No Features Help Person 2 Get Around Inside House
1839 INO3 No Features Help Person 3 Get Around Inside House
1840 INO4 No Features Help Person 4 Get Around Inside House
1841 INO5 No Features Help Person 5 Get Around Inside House
1842 INO6 No Features Help Person 6 Get Around Inside House
1543 INOUT Any HH Member Have Dffclty Getting In/Out House/Apt Bldg

0252 INSFL Insulation For Floors/Crawl Spaces Added In Past 12 Mos.
0543 INSFLD Flood Insurance (Owner)
0505 INSPMT Fire+Hazard/Casualty Ins Incl In Mortgage Payment
0544 INSQKE Earthquake Insurance (Owner)
0550 INSRFR Fire Insurance (Renter)
0551 INSRHZ Hazard Insurance (Renter)
0549 INSRTH Theft Insurance (Renter)
1231 INSTAL Any Other Installation Problems
0542 INSTHF Theft Insurance (Owner)
1223 INSTRC Received Set-Up Or Installation Instructions
0247 INSUL Attic or Roof Insulation
1819 IOTHR1 Other Features To Help Person 1 Get Around Inside House
1820 IOTHR2 Other Features To Help Person 2 Get Around Inside House
1821 IOTHR3 Other Features To Help Person 3 Get Around Inside House
1822 IOTHR4 Other Features To Help Person 4 Get Around Inside House
1823 IOTHR5 Other Features To Help Person 5 Get Around Inside House
1824 IOTHR6 Other Features To Help Person 6 Get Around Inside House
1807 IPUSH1 Push Bars Help Person 1 Get Around Inside House
1808 IPUSH2 Push Bars Help Person 2 Get Around Inside House
1809 IPUSH3 Push Bars Help Person 3 Get Around Inside House
1810 IPUSH4 Push Bars Help Person 4 Get Around Inside House
1811 IPUSH5 Push Bars Help Person 5 Get Around Inside House
1812 IPUSH6 Push Bars Help Person 6 Get Around Inside House
1717 IRAIL1 Extra Handrails Help Person 1 Get Around Inside House
1718 IRAIL2 Extra Handrails Help Person 2 Get Around Inside House
1719 IRAIL3 Extra Handrails Help Person 3 Get Around Inside House
1720 IRAIL4 Extra Handrails Help Person 4 Get Around Inside House
1721 IRAIL5 Extra Handrails Help Person 5 Get Around Inside House
1722 IRAIL6 Extra Handrails Help Person 6 Get Around Inside House
1795 IRAIS1 Raised Lettering Help Person 1 Get Around Inside House
1796 IRAIS2 Raised Lettering Help Person 2 Get Around Inside House
1797 IRAIS3 Raised Lettering Help Person 3 Get Around Inside House
1798 IRAIS4 Raised Lettering Help Person 4 Get Around Inside House
1799 IRAIS5 Raised Lettering Help Person 5 Get Around Inside House
1800 IRAIS6 Raised Lettering Help Person 6 Get Around Inside House
1735 IRAMP1 Ramp Help Person 1 Get Around Inside House
1736 IRAMP2 Ramp Help Person 2 Get Around Inside House
1737 IRAMP3 Ramp Help Person 3 Get Around Inside House
1738 IRAMP4 Ramp Help Person 4 Get Around Inside House
1739 IRAMP5 Ramp Help Person 5 Get Around Inside House
1740 IRAMP6 Ramp Help Person 6 Get Around Inside House
0018 ISTATUS Type Of Interview
1771 IWIDE1 Wide Doors Help Person 1 Get Around Inside House
1772 IWIDE2 Wide Doors Help Person 2 Get Around Inside House
1773 IWIDE3 Wide Doors Help Person 3 Get Around Inside House
1774 IWIDE4 Wide Doors Help Person 4 Get Around Inside House
1775 IWIDE5 Wide Doors Help Person 5 Get Around Inside House
1776 IWIDE6 Wide Doors Help Person 6 Get Around Inside House
0026 JOBNCR Type Of Job Allowing No Cash Rent
0442 JUNK Trash, Litter or Junk Present
0451 JUNKD Trash, Litter or Junk Disturbing
0462 JUNKM Trash, Litter or Junk-Want To Move
0845 KIDG01 Any Child(ren) of First 35+ Female Left Home
0846 KIDG02 Any Child(ren) of Second 35+ Female Left Home
0847 KIDG03 Any Child(ren) of Third 35+ Female Left Home
0848 KIDG04 Any Child(ren) of Fourth 35+ Female Left Home
0837 KIDS1 First 35+ Female Raised Child(ren) To Adulthood
0838 KIDS2 Second 35+ Female Raised Child(ren) To Adulthood
0839 KIDS3 Third 35+ Female Raised Child(ren) To Adulthood
0840 KIDS4 Fourth 35+ Female Raised Child(ren) To Adulthood
1989 KINDV Type Of Vehicle Sold Or Otherwise Disposed Of
1915 KINDV1 Type Of Vehicle Owned (Vehicle 1 of 4)
1916 KINDV2 Type Of Vehicle Owned (Vehicle 2 of 4)
1917 KINDV3 Type Of Vehicle Owned (Vehicle 3 of 4)
1918 KINDV4 Type Of Vehicle Owned (Vehicle 4 of 4)
2021 KIT Kitchen Range, Owned or Furnished By Someone Else
0060 KITCHC Change in Kitchen Facilities Since Last Survey
0059 KITCHEN Complete Kitchen Facilities
2023 KITCST Cost Of Kitchen Range
2022 KITOWN Kitchen Range Purchased New Or Used
0833 KLINE1 Line Number of First Female Hhld Member 35 or Older
0834 KLINE2 Line Number Of Second Female Hhld Member 35 or Older
0835 KLINE3 Line Number Of Third Female Hhld Member 35 or Older
0836 KLINE4 Line Number Of Fourth Female Hhld Member 35 or Older
1562 LEGSM Missing Legs, Feet Or Toes
1233 LEVEL Description Of Leveling Problems at Installation

1229 LEVL Mobile Home Correctly Leveled At Installation
1564 LIMBST Chronic Stiffness Or Deformity Of Foot, Leg,
1225 LIMWRN Received Limited Warranty on Mobile Home
0582 LINE1 Line Number of First Family Adult
0583 LINE2 Line Number of Second Family Adult
0584 LINE3 Line Number of Third Family Adult
0585 LINE4 Line Number of Fourth Family Adult
0586 LINE5 Line Number of Fifth Family Adult
0587 LINE6 Line Number of Sixth Family Adult
0353 LKLYNS How Likely Is Move To Place Indicated Above Within 5 Yrs
0006 LDT Is This House/Apartment On A Lot Of 10 Acres Or More
0537 LPRICE Purchase Price Of House And Lot/Condo Unit
1194 LRENT Monthly Rent For Mobile Home Site, Home Itself Owned
0278 LTS Light Fixtures in Building Public Halls
0279 LTSOK Public Hall Light Fixtures Working
0005 LUC Land Use Code
1553 LUNGO Other Lung Problem (Includes Bronchitis and
0524 MAJADD Additions To Property Cost \$100-\$500 Or More
0526 MAJALT Alterations to Property Cost \$100-\$500 Or More
0530 MAJFIX Repairs To Property Cost \$100-\$500 Or More
0532 MAJIMM Expect Changes To Cost \$100-\$500 Or More In Next 12 Mos
0528 MAJREP Replacements on Property Cost \$100-\$500 Or More
0768 MAR Marital Status Of Head/Reference Person
0769 MAR2 Marital Status Of Person 2
0770 MAR3 Marital Status Of Person 3
0771 MAR4 Marital Status Of Person 4
0772 MAR5 Marital Status Of Person 5
0773 MAR6 Marital Status Of Person 6
0774 MAR7 Marital Status Of Person 7
0775 MAR8 Marital Status Of Person 8
0776 MAR9 Marital Status Of Person 9
0777 MAR10 Marital Status Of Person 10
0778 MAR11 Marital Status Of Person 11
0779 MAR12 Marital Status Of Person 12
0780 MAR13 Marital Status Of Person 13
0781 MAR14 Marital Status Of Person 14
0782 MAR15 Marital Status Of Person 15
0501 MATBUY Mortgage Placed-Assumed At Acquisition
1959 MBUYV1 Month Of Purchase (Vehicle 1 of 4)
1960 MBUYV2 Month Of Purchase (Vehicle 2 of 4)
1961 MBUYV3 Month Of Purchase (Vehicle 3 of 4)
1962 MBUYV4 Month Of Purchase (Vehicle 4 of 4)
1578 MENTAL Mental Disorders
0003 METRO Central City/Suburban Status
0293 MGRHERE Manager, Superintendent, or Janitor Lives Here
1227 MHDAMG Mobile Home Damaged During Transport
1186 MHGET How Was Mobile Home Acquired
1226 MHINYR Mobile Home Placed On Site In Past 12 Months
1466 MHRED Mobile Home Has Red Metal Manufacturer's Label
1188 MHTAX Yearly Cost of Taxes and Fees On Mobile Home
1190 MHTX Yrly Cost of Taxes+Fees On Mobile Home--No Taxes Pd
1228 MHUTIL Problems With Utility Connection At Installation
1184 MLOAN Installment Loan On Mobile Home
1216 MNEWM Mobile Home New When Head Moved In
1185 MNUMOR Placed Or Assumed Mortgage When Mobile Home Acquired
1465 MODOR2 Cause Of Odors Or Fumes
1979 MODV1 Model Year Of Vehicle Traded-In (Vehicle 1 of 4)
1980 MODV2 Model Year Of Vehicle Traded-In (Vehicle 2 of 4)
1981 MODV3 Model Year Of Vehicle Traded-In (Vehicle 3 of 4)
1982 MODV4 Model Year Of Vehicle Traded-In (Vehicle 4 of 4)
1919 MODYR1 Model Year (Vehicle 1 of 4)
1920 MODYR2 Model Year (Vehicle 2 of 4)
1921 MODYR3 Model Year (Vehicle 3 of 4)
1922 MODYR4 Model Year (Vehicle 4 of 4)
1990 MODYRV Model Yr Of Vehicle Most Rec'ly Sold Or Othwse Disposed of
0500 MORT Mortgage On Property
0541 MORTINS Mortgage Insurance
0022 MOVAC Months This House Or Apartment Has Been Vacant
0295 MOVED Date Head/Reference Person Moved In
1174 MOVEHW Would Move To Head's Worksite If Housing Affordable
0296 MOVEMO Month Reference Person Moved In Since 4/1/70
0297 MOVEYR Year Reference Person Moved In
1241 MP01 Uneven Settling: Blocks/Foundation/Supports-Past 12 Mo.
1242 MP02 Problems W/Joining of Double-Wide Sections-Past 12 Mo.
1243 MP03 Leaks In Roof-Past 12 Mo.
1244 MP04 Other Roof Problems-Past 12 Mo.

1245 MP05 Warped Siding Or Other Siding Problems-Past 12 Mo.
1246 MP06 Air Leaks In Walls-Past 12 Mo.
1247 MP07 Inoperative Doors Or Windows-Past 12 Mo.
1248 MP08 Other Outside Wall Problems-Past 12 Mo.
1249 MP09 Buckling Of Inside Walls-Past 12 Mo.
1250 MP10 Other Inside Wall Problems-Past 12 Mo.
1251 MP11 Buckling Floors-Past 12 Mo.
1252 MP12 Holes In Floors-Past 12 Mo.
1253 MP13 Other Floor Problems-Past 12 Mo.
1254 MP14 Problems With Electrical Wiring-Past 12 Mo.
1255 MP15 Prob W/Electrical Fixtures, Outlets, Etc.-Past 12 Mo.
1256 MP16 Prob W/Large Appliance Brkdwns-Orig Equip-Past 12 Mo.
1257 MP17 Other Electrical Problems-Past 12 Mo.
1258 MP18 Leaking Pipes Or Plumbing Fixtures-Past 12 Mo.
1259 MP19 Water Heater Problems-Past 12 Mo.
1260 MP20 Sewer Or Septic Tank Problems-Past 12 Mo.
1261 MP21 Other Plumbing Problems-Past 12 Mo.
1262 MP22 Htng Equip Brkdwn, Unusable 6+ Consec Hrs-Past 12 Mo.
1263 MP23 Other Heating Problems-Past 12 Mo.
1264 MP24 Air Conditioning Problem-past 12 Mo.
1265 MP25 Problems With Interior Odors or Fumes-Past 12 Mo.
1187 MPRPTX Annual Tax, Fee Or Similar Charge For Mobile Home
1189 MPRT Tax, Fee Or Similar Charge For Mob Hm-no R.E. tax paid
1183 MSALE Market Value Of Mobile Home
1584 MUSCLE Diseases Of The Musculoskeletal System and
1182 MVAL Market Value Of Mobile Home And Land
0203 NAFUR Number of Days Warm Air Furnace Used
0872 NCLUS Used In Variance Calculations. See Appendix B for
0206 NELECT Number of Days Electric Heat Used
1579 NERVES Diseases Of The Nervous System & Sense Organs
0248 NEWAIN Attic Insulation Added In Last 12 Months
0245 NEWC Protective Window Coverings Installed In Past 12 Mos.
0254 NEWICST Cost of Insulation Added In Last 12 Months
0253 NEWIN Insulation Added In Last 12 Months
0251 NEWINW Insulation For Hot Water Equip Installed In Past 12 Mos.
1217 NEWM Mobile Home New When Acquired (MH on < 10 acres)
1218 NEWMCO Mobile Home New When Acquired (MH owned as condo)
0539 NEWMOR New Or Assumed Mortgage
1219 NEWMOT Mobile Home New When Acquired (MH on > 10 acres)
0244 NEWSD Storm Doors Installed In Last 12 Months
0246 NEWSHU Closable Shutters On Windows Installed In Past 12 Mos.
0243 NEWSW Storm Windows Installed In Last 12 Months
0487 NEWTRN Public Transportation Available
2002 NEWTV1 Television Set Purchased New Or Used (Set 1 of 2)
2003 NEWTV2 Television Set Purchased New Or Used (Set 2 of 2)
1927 NEWV1 Vehicle Purchased New Or Used (Vehicle 1 of 4)
1928 NEWV2 Vehicle Purchased New Or Used (Vehicle 2 of 4)
1929 NEWV3 Vehicle Purchased New Or Used (Vehicle 3 of 4)
1930 NEWV4 Vehicle Purchased New Or Used (Vehicle 4 of 4)
0250 NEWWIN Wall Insulation Installed In Last 12 Months
0255 NEWWTH Weatherstripping Installed In Last 12 Months
0208 NFLIN Number of Days Vented Room Heater Used
0209 NFLDT Number of Days Unvented Room Heater Used
0210 NFRPL Number of Days Fireplace Used
0213 NHOTH Number of Days Other Heat Source Used
0204 NHPMP Number of Days Heat Pump Used
0294 NLINE Line No. of Prev. Res. and Mobility Respondent
1923 NMCYL1 Number of Cylinders (Vehicle 1 of 4)
1924 NMCYL2 Number of Cylinders (Vehicle 2 of 4)
1925 NMCYL3 Number of Cylinders (Vehicle 3 of 4)
1926 NMCYL4 Number of Cylinders (Vehicle 4 of 4)
0841 NMKID1 No. of Child(ren) of First 35+ Female
0842 NMKID2 No. of Child(ren) of Second 35+ Female
0843 NMKID3 No. of Child(ren) of Third 35+ Female
0844 NMKID4 No. of Child(ren) of Fourth 35+ Female
1237 NOBGAS Bottled Gas Didn't Work At Installation
1235 NOELEC Electricity Didn't Work At Installation
0020 NOINT Type Of Non-Interview
1230 NOLEVL Problems With Incorrect Leveling At Installation
1236 NONGAS Natural Gas Didn't Work At Installation
0592 NONREL Number Of Nonrelatives Reporting Income
0444 NONRES Commercial, Industrial, Non-Res Activities Present
0454 NONRESD Commercial, Industrial, Non-res. Activities Disturbing
0465 NONRESM Commercial, Industrial, Non-res. Activities-Want To Move
1240 NOOTH Other Utilities Didn't Work At Installation
0057 NOPRIV Anyone In 3 Person Bedroom Over 12 Years Old

0988 NOPUB1 Main Reason For Not Taking Pub Trans To Work-Worker 1
 0989 NOPUB2 Main Reason For Not Taking Pub Trans To Work-Worker 2
 0990 NOPUB3 Main Reason For Not Taking Pub Trans To Work-Worker 3
 0991 NOPUB4 Main Reason For Not Taking Pub Trans To Work-Worker 4
 0992 NOPUB5 Main Reason For Not Taking Pub Trans To Work-Worker 5
 0993 NOPUB6 Main Reason For Not Taking Pub Trans To Work-Worker 6
 0994 NOPUB7 Main Reason For Not Taking Pub Trans To Work-Worker 7
 0995 NOPUB8 Main Reason For Not Taking Pub Trans To Work-Worker 8
 1522 NORESE Payment For Electricity Other Than For Residence
 1523 NORESE Payment For Gas Other Than For Residence
 1526 NORESI Payment For Insurance Other Than For Residence
 1525 NORESO Payment For Oil Or Other Fuels Other Than For Res
 1528 NOREST Payment For Trash Collection Other Than For Res
 1524 NORESW Payment For Water/Sewage Other Than For Residence
 1527 NORESX Payment For Real Estate Taxes Other Than For Res
 1239 NOSEW Sewage Disposal Didn't Work At Installation
 0285 NOWIRE Wiring in House Concealed
 1238 NOWTR Water Supply Didn't Work At Installation
 1266 NPO1 No. Of Uneven Settings: Blocks/Foundtn/Supprts-Past 12 Mos.
 1267 NPO2 No. Of Probs W/Joining of Double-Wide Sections-Past 12 Mos.
 1268 NPO3 Number Of Leaks In Roof-Past 12 Mos.
 1269 NPO4 Number Of Other Roof Problems-Past 12 Mos.
 1270 NPO5 No. Of Warped Siding Or Other Siding Probs-Past 12 Mos.
 1271 NPO6 Number Of Air Leaks In Walls-Past 12 Mo
 1272 NPO7 Number Of Inoperative Doors Or Windows-Past 12 Mo
 1273 NPO8 Number Of Other Outside Wall Problems-Past 12 Mo
 1274 NPO9 No. Of Probs With Buckling Of Inside Walls-Past 12 Mos.
 1275 NP10 Number Of Other Inside Wall Problems-Past 12 Mo
 1276 NP11 Number Of Buckling Floor Problems-Past 12 Mo
 1277 NP12 Number Of Floor Problems-Past 12 Mo
 1278 NP13 Number Of Other Floor Problems-Past 12 Mo
 1279 NP14 Number Of Probs With Electrical Wiring-Past 12 Mo
 1280 NP15 No. Of Probs W/Elec. Fixtures, Outlets, Etc.-Past 12 Mos.
 1281 NP16 No. Of Probs: Lg Appliance Brkdwns-Orig Equip-Past 12 Mos.
 1282 NP17 Number Of Other Electrical Problems-Past 12 Mo
 1283 NP18 No. Of Probs: Leaky Pipes Or Plumbing Fixtures-Past 12 Mos.
 1284 NP19 Number Of Water Heater Problems-Past 12 Mo
 1285 NP20 Number Of Sewer Or Septic Tank Problems-Past 12 Mo
 1286 NP21 Number Of Other Plumbing Problems-Past 12 Mo
 1287 NP22 No. Of Htg Equip Brkdwns, 6+ Consec Hrs.-Past 12 Mos.
 1288 NP23 Number Of Other Heating Problems-Past 12 Mo
 1289 NP24 Number Of Air Conditioning Problems-Past 12 Mo
 1290 NP25 Number Of Probs With Interior Odors Or Fumes-Past 12 Mo
 0207 NPLF Number of Days Pipeless Furnace Used
 0212 NPORTH Number of Days Portable Room Heater Used
 0588 NRLIN1 Line Number of First Nonrelative Adult
 0589 NRLIN2 Line Number of Second Nonrelative Adult
 0590 NRLIN3 Line Number Of Third Nonrelative Adult
 0591 NRLIN4 Line Number Of Fourth Nonrelative Adult
 0205 NSTEAM Number of Days Steam Or Hot Water Used
 0211 NSTOVE Number of Days Stove(s) Used
 1468 NUCNDO Building Converted From Rental Units To Condo. Units
 0056 NUM3BED No. Of Bedrooms Used for Sleeping By 3 Or More Persons
 0258 NUMAIR Number of Room Air Conditioners
 0284 NUMBLOW No. of Times Blew Fuses or Breakers In Last 90 Days
 0240 NUMCLSD Number and Which Rooms Closed For Warmth
 1470 NUMCND Number of Condominium/Cooperative Units In Development
 0238 NUMCOLD No. of Heat Breakdowns Last Winter Lasting 6+ Hours
 1991 NUMCYL # Of Cyl For Veh Most Recently Sold/Otherwise Disposed Of
 0071 NUMDRY Number of Water Breakdowns for 6 Hours or More
 1211 NUMMOB No. of Mobile Homes Owned/Rented As Primary Residence
 0226 NUMND Number of Rooms Without Hot Air Ducts
 0301 NUMOVE Number of Other Moves Made in Last 12 Months
 0084 NUMSEW Number of Public Sewer Breakdowns
 1191 NUMSIT Number Of Sites Mobile Home Placed On Since Owned
 0077 NUMTLT Number of Flush Toilet Breakdowns of 6 Hours or More
 0036 NUNITS No. Of Living Qrtrs In Structure Including Vacant Qrtrs
 1993 NWAIR1 Room Air Conditioning Unit 1 Purchased New Or Used
 1994 NWAIR2 Room Air Conditioning Unit 2 Purchased New Or Used
 0445 ODOR Odors, Smoke Or Gas Present
 0455 ODORD Odors, Smoke or Gas Disturbing
 0466 ODORM Odors, Smoke or Gas-Want To Move
 1747 OELEV1 Elevator Would Help Person 1 Go Out More Easily
 1748 OELEV2 Elevator Would Help Person 2 Go Out More Easily
 1749 OELEV3 Elevator Would Help Person 3 Go Out More Easily
 1750 OELEV4 Elevator Would Help Person 4 Go Out More Easily

1751 OELEV5 Elevator Would Help Person 5 Go Out More Easily
1752 OELEV6 Elevator Would Help Person 6 Go Out More Easily
1777 OHNDL1 Door Handles Would Help Person 1 Go Out More Easily
1778 OHNDL2 Door Handles Would Help Person 2 Go Out More Easily
1779 OHNDL3 Door Handles Would Help Person 3 Go Out More Easily
1780 OHNDL4 Door Handles Would Help Person 4 Go Out More Easily
1781 OHNDL5 Door Handles Would Help Person 5 Go Out More Easily
1782 OHNDL6 Door Handles Would Help Person 6 Go Out More Easily
1975 OLDV1 Type Of Vehicle Traded-In (Vehicle 1 of 4)
1976 OLDV2 Type Of Vehicle Traded-In (Vehicle 2 of 4)
1977 OLDV3 Type Of Vehicle Traded-In (Vehicle 3 of 4)
1978 OLDV4 Type Of Vehicle Traded-In (Vehicle 4 of 4)
0859 OLDWT Weight of Each Case in the Sample, Based on 1970 Census.
1831 ONO1 Would Any Features Help Person 1 Go Out More Easily
1832 ONO2 Would Any Features Help Person 2 Go Out More Easily
1833 ONO3 Would Any Features Help Person 3 Go Out More Easily
1834 ONO4 Would Any Features Help Person 4 Go Out More Easily
1835 ONO5 Would Any Features Help Person 5 Go Out More Easily
1836 ONO6 Would Any Features Help Person 6 Go Out More Easily
1813 OOTHR1 Other Features Would Help Person 1 Go Out More Easily
1814 OOTHR2 Other Features Would Help Person 2 Go Out More Easily
1815 OOTHR3 Other Features Would Help Person 3 Go Out More Easily
1816 OOTHR4 Other Features Would Help Person 4 Go Out More Easily
1817 OOTHR5 Other Features Would Help Person 5 Go Out More Easily
1818 OOTHR6 Other Features Would Help Person 6 Go Out More Easily
1801 OPUSH1 Push Bars Would Help Person 1 Go Out More Easily
1802 OPUSH2 Push Bars Would Help Person 2 Go Out More Easily
1803 OPUSH3 Push Bars Would Help Person 3 Go Out More Easily
1804 OPUSH4 Push Bars Would Help Person 4 Go Out More Easily
1805 OPUSH5 Push Bars Would Help Person 5 Go Out More Easily
1806 OPUSH6 Push Bars Would Help Person 6 Go Out More Easily
1711 ORAIL1 Handrails Would Help Person 1 Go Out More Easily
1712 ORAIL2 Handrails Would Help Person 2 Go Out More Easily
1713 ORAIL3 Handrails Would Help Person 3 Go Out More Easily
1714 ORAIL4 Handrails Would Help Person 4 Go Out More Easily
1715 ORAIL5 Handrails Would Help Person 5 Go Out More Easily
1716 ORAIL6 Handrails Would Help Person 6 Go Out More Easily
1789 ORAIS1 Raised Lettering Would Help Person 1 Go Out More Easily
1790 ORAIS2 Raised Lettering Would Help Person 2 Go Out More Easily
1791 ORAIS3 Raised Lettering Would Help Person 3 Go Out More Easily
1792 ORAIS4 Raised Lettering Would Help Person 4 Go Out More Easily
1793 ORAIS5 Raised Lettering Would Help Person 5 Go Out More Easily
1794 ORAIS6 Raised Lettering Would Help Person 6 Go Out More Easily
1729 ORAMP1 Ramp Would Help Person 1 Go Out More Easily
1730 ORAMP2 Ramp Would Help Person 2 Go Out More Easily
1731 ORAMP3 Ramp Would Help Person 3 Go Out More Easily
1732 ORAMP4 Ramp Would Help Person 4 Go Out More Easily
1733 ORAMP5 Ramp Would Help Person 5 Go Out More Easily
1734 ORAMP6 Ramp Would Help Person 6 Go Out More Easily
0817 OTH6 Other Persons Under 6 Yrs Old, Beyond Pers 1-15 Above
0818 OTH17 Other Persons 6-17 Years Old, Beyond Pers 1-15 Above
0570 OTHF Furniture Rented From Other Than Landlord
0037 OTHLQ Other Living Qtrrs On Property Including Vacant Qtrrs
0819 OTHN Other Non-Relatives, Beyond Persons 1-15 Above
0820 OTHT Other Persons Not Counted Above
1234 OTPROB Description Of Other Problems Occurring at Installation
1765 OWIDE1 Extra Wide Doors Would Help Person 1 Go Out More Easily
1766 OWIDE2 Extra Wide Doors Would Help Person 2 Go Out More Easily
1767 OWIDE3 Extra Wide Doors Would Help Person 3 Go Out More Easily
1768 OWIDE4 Extra Wide Doors Would Help Person 4 Go Out More Easily
1769 OWIDE5 Extra Wide Doors Would Help Person 5 Go Out More Easily
1770 OWIDE6 Extra Wide Doors Would Help Person 6 Go Out More Easily
1222 OWNCARD Received Owner Info Card When Mobile Home Acquired
0292 OWNHERE Owner of Building Lives Here (Renter)
1971 OWNIN1 Did You Own Vehicle 1 Traded-In 12 Months Ago
1972 OWNIN2 Did You Own Vehicle 2 Traded-In 12 Months Ago
1973 OWNIN3 Did You Own Vehicle 3 Traded-In 12 Months Ago
1974 OWNIN4 Did You Own Vehicle 4 Traded-In 12 Months Ago
1192 OWNLOT If Mobile Home Owned, Is Site Owned (MH on<10 acres)
1193 OWNLT If Mobile Home Owned, Is Site Owned (MH on>10 acres)
1221 OWNMAN Received Owner's Manual When Mobile Home Acquired
1196 OWNSIT Site Owned (Rented Mobile Homes)
1988 OWNYSRV Did You Own This Vehicle 12 Months Ago
0274 PAINT Any Peeling Paint Over 1 Square Foot
1559 PALSY Cerebral Palsy
1515 PAMTE Avg Monthly Cost of Property Electricity (Owner)

1516 PAMTG Avg Monthly Cost of Property Gas (Owner)
1520 PAMTI Avg Annual Cost of Property Fire And Hazard Ins
1519 PAMTO Avg Annual Cost of Oil, Coal, Kerosene for Property
1517 PAMTT Avg Monthly Cost of Property Trash/Garbage Collection
1518 PAMTW Avg Monthly Cost of Property Water/Sewage (Owner)
1521 PAMTX Annual Real Estate Taxes For Property (in dollars)
1567 PARAL Paralysis
1574 PARIS Infective and Parasitic Diseases
1570 PARKIN Parkinson's Disease
1210 PARKSZ Number of Mobile Homes in Large Group
0956 PASS1 No. Of People Usually Riding In Carpool-Worker 1
0957 PASS2 No. Of People Usually Riding In Carpool-Worker 2
0958 PASS3 No. Of People Usually Riding In Carpool-Worker 3
0959 PASS4 No. Of People Usually Riding In Carpool-Worker 4
0960 PASS5 No. Of People Usually Riding In Carpool-Worker 5
0961 PASS6 No. Of People Usually Riding In Carpool-Worker 6
0962 PASS7 No. Of People Usually Riding In Carpool-Worker 7
0963 PASS8 No. Of People Usually Riding In Carpool-Worker 8
0964 PASSH1 Number of Household Members In Carpool-Worker 1
0965 PASSH2 Number of Household Members In Carpool-Worker 2
0966 PASSH3 Number of Household Members In Carpool-Worker 3
0967 PASSH4 Number of Household Members In Carpool-Worker 4
0968 PASSH5 Number of Household Members In Carpool-Worker 5
0969 PASSH6 Number of Household Members In Carpool-Worker 6
0970 PASSH7 Number of Household Members In Carpool-Worker 7
0971 PASSH8 Number of Household Members In Carpool-Worker 8
0556 PAYE Electricity Paid by Renter
0569 PAYF Cost Of Furniture Included In Rent
0557 PAYG Gas Paid by Renter
0558 PAYO Oil, Coal, Kerosene, Wood, Etc. Paid by Renter
0574 PAYS Household Rents A Building Parking Space (Renter)
0560 PAYT Garbage Collection Paid by Renter
0559 PAYW Water Paid by Renter
0602 PBUS Family Earnings From Business Or Professional Practice
1508 PBUYE Owner Pays For Property Electricity
1509 PBUYG Owner Pays For Property Gas
1512 PBUYI Owner Pays For Property Fire And Hazard Insurance
1511 PBUYO Owner Pays For Property Oil, Kerosene, Other Fuels
1514 PBUYT Owner Pays For Garbage/Trash Collection For Property
1510 PBUYW Owner Pays For Property Water/Sewage
1513 PBUYX Owner Pays For Real Estate Taxes (Even If Included)
0272 PEEL Broken Plaster or Peeling Paint Inside
0821 PER Number of Persons In Household
0822 PER65 Number of Persons in Household Age 65 Or Over
0877 PERSINT Personal Or Telephone Interview
0603 PFARM Amt Of Family Earnings From Farm Or Ranch
0048 PHONE Use Of Telephone
1504 PINCDP Mortgage Payment incl payment for prop other than res
1507 PINSPT Fire And Hazard Insurance Included In Prop Mortgage Paymnt
0354 PLAC16 At Age 16 Reference Person Lived In
0016 PLACE Place Code of Central City
0275 PLASTER Any Broken Plaster Over 1 Square Foot
0352 PLCIN5 In 5 Years, Reference Person Would Prefer To Live In
0721 PLINE Line Number-Reference Person
0722 PLINE2 Line Number-Person 2
0723 PLINE3 Line Number-Person 3
0724 PLINE4 Line Number-Person 4
0725 PLINE5 Line Number-Person 5
0726 PLINE6 Line Number-Person 6
0727 PLINE7 Line Number-Person 7
0728 PLINE8 Line Number-Person 8
0729 PLINE9 Line Number-Person 9
0730 PLINE10 Line Number-Person 10
0731 PLINE11 Line Number-Person 11
0732 PLINE12 Line Number-Person 12
0733 PLINE13 Line Number-Person 13
0734 PLINE14 Line Number-Person 14
0735 PLINE15 Line Number-Person 15
0980 PLPUB1 Type Pub Trans as Secndry Trans to Work-Worker 1
0981 PLPUB2 Type Pub Trans as Secndry Trans to Work-Worker 2
0982 PLPUB3 Type Pub Trans as Secndry Trans to Work-Worker 3
0983 PLPUB4 Type Pub Trans as Secndry Trans to Work-Worker 4
0984 PLPUB5 Type Pub Trans as Secndry Trans to Work-Worker 5
0985 PLPUB6 Type Pub Trans as Secndry Trans to Work-Worker 6
0986 PLPUB7 Type Pub Trans as Secndry Trans to Work-Worker 7
0987 PLPUB8 Type Pub Trans as Secndry Trans to Work-Worker 8

0282 PLUGS Working Electric Wall Outlets in Every Room
 0073 PLUMB Complete Plumbing Facilities
 0503 PMT Amount of Mortgage Payment
 0011 POP Place Size
 1947 PRCBP1 Percent Mileage For Business Purposes (Vehicle 1 of 4)
 1948 PRCBP2 Percent Mileage For Business Purposes (Vehicle 2 of 4)
 1949 PRCBP3 Percent Mileage For Business Purposes (Vehicle 3 of 4)
 1950 PRCBP4 Percent Mileage For Business Purposes (Vehicle 4 of 4)
 1181 PRICE Purchase Price of Mobile Home (on >10 acres)
 1178 PRICEM Purchase Price of Mobile Home (on <10 acres)
 0054 PRIVB Must Go Through Bedroom To Reach Bath
 0053 PRIVN Must Go Through Bedroom To Reach Non-Bath/Bedroom
 0601 PROFIT Family Income From Business, Prof Practice, Or Farm
 0027 PROJ Publicly Owned Housing
 1506 PTXPMT Real Estate Taxes Included In Property Mortgage Payment
 0079 PUBSEW House/Building Connected to Public Sewer
 0972 PUBTR1 Public Trans Used In Addition To Car-Worker 1
 0973 PUBTR2 Public Trans Used In Addition To Car-Worker 2
 0974 PUBTR3 Public Trans Used In Addition To Car-Worker 3
 0975 PUBTR4 Public Trans Used In Addition To Car-Worker 4
 0976 PUBTR5 Public Trans Used In Addition To Car-Worker 5
 0977 PUBTR6 Public Trans Used In Addition To Car-Worker 6
 0978 PUBTR7 Public Trans Used In Addition To Car-Worker 7
 0979 PUBTR8 Public Trans Used In Addition To Car-Worker 8
 1503 PVALUE Property Value
 0860 PWT Pure Weight: Inverse Of The Probability Of Selection
 0620 QAFDC Any Hhld Members Receive Payments/Benefits from AFDC
 0617 QALIM Any Alimony Or Child Support Income, Family
 0608 QDIV Any Estates, Trusts, Or Dividends Income, Family
 0622 QFS Any Hhld Members Receive Food Stamps
 0623 QGAPA Any Hhld Members Receive General or Public Assistance
 0614 QGOVNP Any Government Employee Pension Income, Family
 0809 QINT Any Interest Income, Family
 0619 QOTHER Any Other Income, Family
 0818 QOUTPR Any Reg Contributions From Persons Not In Hhold, Family
 0616 QPRVNP Any Private Pension & Annuity Income, Family
 0610 QRENT Any Net Rental Income, Family
 0607 QSS Any Social Security or RR Retirement Income, Family
 0621 QSSI Any Hhld Members Receive Payments/Benefits from SSI
 0612 QUNEMP Any Unemployment Compensation Income, Family
 0615 QVET Any Veteran's Payments Income, Family
 0611 QWELF Any Welfare Or Public Assistance Income*, Family
 0613 QWKCMP Any Workmens Compensation Income, Family
 0263 RAATFN Attic Fan Used To Reduce Use of Central AC
 0260 RAAWNS Awnings Used to Reduce Use of Central AC
 0783 RACE Race Of Head/Reference Person
 0784 RACE2 Race Of Person 2
 0785 RACE3 Race Of Person 3
 0786 RACE4 Race Of Person 4
 0787 RACE5 Race Of Person 5
 0788 RACE6 Race Of Person 6
 0789 RACE7 Race Of Person 7
 0790 RACE8 Race Of Person 8
 0791 RACE9 Race Of Person 9
 0792 RACE10 Race Of Person 10
 0793 RACE11 Race Of Person 11
 0794 RACE12 Race Of Person 12
 0795 RACE13 Race Of Person 13
 0796 RACE14 Race Of Person 14
 0797 RACE15 Race Of Person 15
 0262 RACFAN Ceiling Fan Used To Reduce Use of Central AC
 0281 RADHMD Dehumidifier Used To Reduce Use of Central AC
 0281 RAILOK Firmly Attached Stair Railings
 0266 RANONE Nothing Reduced Use Of Central Air Conditioning
 0265 RAPOFN Portable Fan Used To Reduce Use Of Central AC
 0259 RARUNT Room Air Conditionr Used To Reduce Use Of Central AC
 0290 RATMIC Mice or Rats in House (Building)
 0289 RATS Signs of Rats or Mice in Building In Last 90 Days
 0284 RAWNFN Window Fan Used To Reduce Use Of Central AC
 0871 RCLUS Used In Variance Calculations. See Appendix B for
 1291 RDMGDL Dealer Fixed Damage Caused By Transport Or Installation
 1349 RDMGHM HH Member Fixed Damage Caused By Transport Or Installation
 1378 RDMGHP Person Hired Fixed Damage Caused By Transport Or Instal
 1320 RDMGM Manufacturer Fixed Damage Caused By Transport Or Instal
 1436 RDMGNR Damage Caused By Transport Or Installation Not Repaired
 1407 RDMGSE Someone Else Fixed Damage Caused By Transport Or Instal

1173 REASN1 Main Reason Live More Than 5 Miles From Ref Persn's Wrk
1172 REASON Main Reason Live More Than 5 Miles From Ref Persn's Wrk
1200 RECMH Mobile Home Living Recommended
0481 RECR Outdoor Recreation Facilities Adequate
0482 RECRM How Inadequate Are Outdoor Rec. Facilities
0545 REFINS Refused Insurance
0736 REFPER Line Number-Reference Person
2006 REFRIG Refrigerator, Owned Or Furnished By Someone Else
0546 REFTYP Type of Insurance Refused
0001 REGION Census Region
0737 REL Relationship to Reference Person
0738 REL2 Relationship To Reference Person of Person 2
0739 REL3 Relationship To Reference Person of Person 3
0740 REL4 Relationship To Reference Person of Person 4
0741 REL5 Relationship To Reference Person of Person 5
0742 REL6 Relationship To Reference Person of Person 6
0743 REL7 Relationship To Reference Person of Person 7
0744 REL8 Relationship To Reference Person of Person 8
0745 REL9 Relationship To Reference Person of Person 9
0746 REL10 Relationship To Reference Person of Person 10
0747 REL11 Relationship To Reference Person of Person 11
0748 REL12 Relationship To Reference Person of Person 12
0749 REL13 Relationship To Reference Person of Person 13
0750 REL14 Relationship To Reference Person of Person 14
0751 REL15 Relationship To Reference Person of Person 15
0828 RELS Household Composition
0554 RENT Monthly Contract Rent
0527 REP Replacements On Property In Last 12 Months
1505 RESAMT Amount of Mortgage Payment Applying to Residence
2008 RFGCST Cost of Refrigerator
2007 RFGOWN Refrigerator Purchased New Or Used
1548 RIDDEN Any HH Member Completely Bedridden
0289 RLEAK Leaking Roof
0913 RLINE1 Line Number of Respondent for Worker 1 (JTW Questions)
0914 RLINE2 Line Number of Respondent for Worker 2 (JTW Questions)
0915 RLINE3 Line Number of Respondent for Worker 3 (JTW Questions)
0916 RLINE4 Line Number of Respondent for Worker 4 (JTW Questions)
0917 RLINE5 Line Number of Respondent for Worker 5 (JTW Questions)
0918 RLINE6 Line Number of Respondent for Worker 6 (JTW Questions)
0919 RLINE7 Line Number of Respondent for Worker 7 (JTW Questions)
0920 RLINE8 Line Number of Respondent for Worker 8 (JTW Questions)
1293 RLVLDL Dealer Fixed Problem With Leveling At Installation
1351 RLVLHM HH Member Fixed Problem With Leveling At Installation
1380 RLVLHP Person Hired Fixed Problem With Leveling
1322 RLVLM Manufacturer Fixed Problem With Leveling At Instal
1438 RLVLNR Problem With Leveling Not Repaired
1409 RLVLSE Someone Else Fixed Problem With Leveling
0299 RM90 Reference Person Lived Here Last 90 Days
0717 RMHTAS Rec Mover Hhld Recd Home Heat Asst from Govt 10/82-9/83
0300 RMWINT Reference Person Lived Here Last Winter
0298 RMYEAR Reference Person Moved Here In Last 12 Months
0440 ROAD Street Continually In Need of Repair
0448 ROADD Street Continually in Need of Repair Disturbing
0459 ROADM Street Continually in Need of Repair-Want To Move
0049 ROOMS Number of Rooms In House Or Apartment
0050 ROOMSC Change In No. Of Rms In House/Aprtmt Since Last Survey
1294 ROTHDL Dealer Fixed Other Installation Problems
1352 ROTHHM HH Member Fixed Other Installation Problems
1381 ROTHHP Person Hired Fixed Other Installation Problems
1323 ROTHM Manufacturer Fixed Other Installation Problems
1439 ROTHNR Other Installation Problems Not Repaired
1410 ROTHSE Someone Else Fixed Other Installation Problems
1295 RPO1DL Dealer Fixed Uneven Settling: Blocks/Fndtns/Supprts
1353 RPO1HM HH Member Fixed Uneven Settling
1382 RPO1HP Person Hired Fixed Uneven Settling
1324 RPO1M Manufacturer Fixed Other Electrical Problems
1440 RPO1NR Uneven Settling Not Fixed
1411 RPO1SE Someone Else Fixed Uneven Settling
1298 RPO2DL Dealer Fixed Probs With Joining of Double-Wide Sections
1354 RPO2HM HH Member Fixed Probs W/Joining of Double-Wide Sections
1383 RPO2HP Person Hired Fixed Probs W/Joining of Dble-Wide Sectns
1325 RPO2M Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures
1441 RPO2NR Probs W/Joining of Double-Wide Sections Not Fixed
1412 RPO2SE Someone Else Fixed Probs W/Joining of Dbl-Wide Sectns
1297 RPO3DL Dealer Fixed Leaks In Roof
1355 RPO3HM HH Member Fixed Leaks In Roof

1384 RP03HP Person Hired Fixed Leaks In Roof
1326 RP03M Manufacturer Fixed Water Heater Problems
1442 RP03NR Leaks In Roof Not Fixed
1413 RP03SE Someone Else Fixed Leaks In Roof
1298 RP04DL Dealer Fixed Other Roof Probs
1356 RP04HM HH Member Fixed Other Roof Problems
1385 RP04HP Person Hired Fixed Other Roof Problems
1327 RP04M Manufacturer Fixed Sewer Or Septic Tank Problems
1443 RP04NR Other Roof Problems Not Fixed
1414 RP04SE Someone Else Fixed Other Roof Problems
1299 RP05DL Dealer Fixed Warped Siding Or Other Siding Probs
1357 RP05HM HH Member Fixed Warped Siding Or Other Siding Probs
1386 RP05HP Person Hired Fixed Warped Siding/Other Siding Probs
1328 RP05M Manufacturer Fixed Other Electrical Problems
1444 RP05NR Warped Siding Or Other Siding Problems Not Fixed
1415 RP05SE Someone Else Fixed Warped Siding/Other Siding Probs
1300 RP06DL Dealer Fixed Air Leaks In Walls
1358 RP06HM HH Member Fixed Air Leaks In Walls
1387 RP06HP Person Hired Fixed Air Leaks In Walls
1329 RP06M Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures
1445 RP06NR Air Leaks In Walls Not Fixed
1416 RP06SE Someone Else Fixed Air Leaks In Walls
1301 RP07DL Dealer Fixed Inoperative Doors Or Windows
1359 RP07HM HH Member Fixed Inoperative Doors Or Windows
1388 RP07HP Person Hired Fixed Inoperative Doors Or Windows
1330 RP07M Manufacturer Fixed Water Heater Problems
1446 RP07NR Inoperative Doors Or Windows Not Fixed
1417 RP07SE Someone Else Fixed Inoperative Doors Or Windows
1302 RP08DL Dealer Fixed Other Outside Wall Probs
1360 RP08HM HH Member Fixed Other Outside Wall Problems
1389 RP08HP Person Hired Fixed Other Outside Wall Problems
1331 RP08M Manufacturer Fixed Sewer Or Septic Tank Problems
1447 RP08NR Other Outside Wall Problems Not Fixed
1418 RP08SE Someone Else Fixed Other Outside Wall Problems
1303 RP09DL Dealer Fixed Buckling Of Inside Walls
1361 RP09HM HH Member Fixed Buckling Of Inside Walls
1390 RP09HP Person Hired Fixed Buckling Of Inside Walls
1332 RP09M Manufacturer Fixed Other Electrical Problems
1448 RP09NR Buckling Of Inside Walls Not Fixed
1419 RP09SE Someone Else Fixed Buckling Of Inside Walls
1304 RP10DL Dealer Fixed Other Inside Wall Probs
1362 RP10HM HH Member Fixed Other Inside Wall Problems
1391 RP10HP Person Hired Fixed Other Inside Wall Problems
1333 RP10M Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures
1449 RP10NR Other Inside Wall Problems Not Fixed
1420 RP10SE Someone Else Fixed Other Inside Wall Problems
1305 RP11DL Dealer Fixed Buckling Floors
1363 RP11HM HH Member Fixed Buckling Floors
1392 RP11HP Person Hired Fixed Buckling Floors
1334 RP11M Manufacturer Fixed Water Heater Problems
1450 RP11NR Buckling Floors Not Fixed
1421 RP11SE Someone Else Fixed Buckling Floors
1306 RP12DL Dealer Fixed Holes In Floors
1364 RP12HM HH Member Fixed Holes In Floors
1393 RP12HP Person Hired Fixed Holes In Floors
1335 RP12M Manufacturer Fixed Sewer Or Septic Tank Problems
1451 RP12NR Holes In Floors Not Fixed
1422 RP12SE Someone Else Fixed Holes In Floors
1307 RP13DL Dealer Fixed Other Floor Problems
1365 RP13HM HH Member Fixed Other Floor Problems
1394 RP13HP Person Hired Fixed Other Floor Problems
1336 RP13M Manufacturer Fixed Other Electrical Problems
1452 RP13NR Other Floor Problems Not Fixed
1423 RP13SE Someone Else Fixed Other Floor Problems
1308 RP14DL Dealer Fixed Probs W/Electrical Wiring
1366 RP14HM HH Member Fixed Probs W/Elect Wiring
1395 RP14HP Person Hired Fixed Probs W/Elect Wiring
1337 RP14M Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures
1453 RP14NR Problems With Electrical Wiring Not Fixed
1424 RP14SE Someone Else Fixed Probs W/Elect Wiring
1309 RP15DL Dealer Fixed Probs W/Electrical Fixtures, Outlets, Etc.
1367 RP15HM HH Member Fixed Probs W/Elect Fixtures, Outlets, Etc.
1396 RP15HP Person Hired Fixed Probs W/Elect Fxtrs, Outlets, Etc.
1338 RP15M Manufacturer Fixed Water Heater Problems
1454 RP15NR Probs W/Elect Fixtures, Outlets, Etc. Not Fixed
1425 RP15SE Someone Else Fixed Probs W/Elect Fixtures, Outlets, Etc.

1310 RP16DL Dealer Fixed Lg Appliance Brkdwns (Orig Equip Only)
1368 RP16HM HH Member Fixed Lg Appliance Brkdwns (Orig Equip Only)
1397 RP16HP Person Hired Fixed Lg Appl Brkdwns (Orig Equip Only)
1339 RP16M Manufacturer Fixed Sewer Or Septic Tank Problems
1455 RP16NR Large Appliance Brkdwns (Orig Equip Only) Not Fixed
1426 RP16SE Someone Else Fixed Lg Appliance Brkdwns (Orig Equip Only)
1311 RP17DL Dealer Fixed Other Electrical Problems
1369 RP17HM HH Member Fixed Other Electrical Problems
1398 RP17HP Person Hired Fixed Other Electrical Problems
1340 RP17M Manufacturer Fixed Other Electrical Problems
1456 RP17NR Other Electrical Problems Not Fixed
1427 RP17SE Someone Else Fixed Other Electrical Problems
1312 RP18DL Dealer Fixed Leaking Pipes Or Plumbing Fixtures
1370 RP18HM HH Member Fixed Leaking Pipes Or Plumbing Fixtures
1399 RP18HP Person Hired Fixed Leaking Pipes Or Plumbing Fixtures
1341 RP18M Manufacturer Fixed Leaking Pipes Or Plumbing Fixtures
1457 RP18NR Leaking Pipes Or Plumbing Fixtures Not Fixed
1428 RP18SE Someone Else Fixed Leaking Pipes Or Plumbing Fixtures
1313 RP19DL Dealer Fixed Water Heater Problems
1371 RP19HM HH Member Fixed Water Heater Problems
1400 RP19HP Person Hired Fixed Water Heater Problems
1342 RP19M Manufacturer Fixed Water Heater Problems
1458 RP19NR Water Heater Problems Not Fixed
1429 RP19SE Someone Else Fixed Water Heater Problems
1314 RP20DL Dealer Fixed Sewer Or Septic Tank Problems
1372 RP20HM HH Member Fixed Sewer Or Septic Tank Problems
1401 RP20HP Person Hired Fixed Sewer Or Septic Tank Problems
1343 RP20M Manufacturer Fixed Sewer Or Septic Tank Problems
1459 RP20NR Sewer Or Septic Tank Problems Not Fixed
1430 RP20SE Someone Else Fixed Sewer Or Septic Tank Problems
1315 RP21DL Dealer Fixed Other Plumbing Problems
1373 RP21HM HH Member Fixed Other Plumbing Problems
1402 RP21HP Person Hired Fixed Other Plumbing Problems
1344 RP21M Manufacturer Fixed Other Plumbing Problems
1460 RP21NR Other Plumbing Problems Not Fixed
1431 RP21SE Someone Else Fixed Other Plumbing Problems
1316 RP22DL Dealer Fixed Htng Equip Brkdwns, 6+ Consec. Hrs.
1374 RP22HM HH Member Fixed Htng Equip Brkdwn, 6 Consec Hrs.
1403 RP22HP Person Hired Fixed Htng Equip Brkdwn, 6 Consec Hrs.
1345 RP22M Manufacturer Fixed Htng Equip Brkdwns, 6 + Consec Hrs.
1461 RP22NR Htng Equip Brkdwns, 6 Or More Consec Hrs, Not Fixed
1432 RP22SE Someone Else Fixed Htng Equip Brkdwn, 6 Consec Hrs.
1317 RP23DL Dealer Fixed Other Heating Problems
1375 RP23HM HH Member Fixed Other Heating Problems
1404 RP23HP Person Hired Fixed Other Heating Problems
1346 RP23M Manufacturer Fixed Other Heating Problems
1462 RP23NR Other Heating Problems Not Fixed
1433 RP23SE Someone Else Fixed Other Heating Problems
1318 RP24DL Dealer Fixed Air Conditioning Problems
1376 RP24HM HH Member Fixed Air Conditioning Problem
1405 RP24HP Person Hired Fixed Air Conditioning Problem
1347 RP24M Manufacturer Fixed Air Conditioning Problems
1463 RP24NR Air Conditioning Problem Not Fixed
1434 RP24SE Someone Else Fixed Air Conditioning Problem
1319 RP25DL Dealer Fixed Probs With Interior Odors Or Fumes
1377 RP25HM HH Member Fixed Probs With Interior Odors Or Fumes
1406 RP25HP Person Hired Fixed Probs With Interior Odors Or Fumes
1348 RP25M Manufacturer Fixed Probs With Interior Odors Or Fumes
1464 RP25NR Problems With Interior Odors Or Fumes Not Fixed
1435 RP25SE Someone Else Fixed Probs With Interior Odors Or Fumes
1177 RPRICE Purchase Price Of Mobile Home (on <10 acres)
0010 RURREC Rural Recode
1292 RUTLDL Dealer Fixed Prob W/Utility Connections At Installation
1350 RUTLHM HH Member Fixed Problem With Utility Connections
1379 RUTLHP Person Hired Fixed Problem With Utility Connections
1321 RUTLM Manufacturer Fixed Problem With Utility Connections
1437 RUTLNR Problem With Utility Connections Not Repaired
1408 RUTLSE Someone Else Fixed Problem With Utility Connections
0829 S30 Number of Subfamily Heads Under 30
0831 S65 Number of Subfamily Heads 65 or Over
0830 S3064 Number of Subfamily Heads 30 To 64
0191 SAFUR Suppl Heat-Centrl Wrm Air Furn W/Ducts
0593 SAL1 Annual Salary, Wages, Tips, Commissions-Family Adult 1
0594 SAL2 Annual Salary, Wages, Tips, Commissions-Family Adult 2
0595 SAL3 Annual Salary, Wages, Tips, Commissions-Family Adult 3
0596 SAL4 Annual Salary, Wages, Tips, Commissions-Family Adult 4

0597 SAL5 Annual Salary, Wages, Tips, Commissions-Family Adult 5
 0598 SAL6 Annual Salary, Wages, Tips, Commissions-Family Adult 6
 1038 SAMTWN Live In Same Town As Work
 0014 SBAREA Socio-economically Homogeneous Area of Greater Than
 0478 SCH Schools Adequate
 0480 SCHCLS Public School Within 1 Mile
 0479 SCHM How Inadequate Are Schools
 0476 SCHND Do School Age Children Attend School
 0477 SCHOK Is Closest Public School Satisfactory
 0475 SCHOTH Other School
 0474 SCHPRI Private Elementary School
 0473 SCHPUB Public Elementary School
 0547 SECOND Own Second Home
 0194 SELECT Suppl Heat From Electric Units
 1573 SENILE Senility
 1213 SETUP Mobile Home Set Up
 0080 SEWDIS Means of Sewage Disposal
 0081 SEWDSC Change in Means of Sewage Disposal Since Last Survey
 0800 SEX Sex Of Head/Reference Person
 0801 SEX2 Sex Of Person 2
 0802 SEX3 Sex Of Person 3
 0803 SEX4 Sex Of Person 4
 0804 SEX5 Sex Of Person 5
 0805 SEX6 Sex Of Person 6
 0806 SEX7 Sex Of Person 7
 0807 SEX8 Sex Of Person 8
 0808 SEX9 Sex Of Person 9
 0809 SEX10 Sex Of Person 10
 0810 SEX11 Sex Of Person 11
 0811 SEX12 Sex Of Person 12
 0812 SEX13 Sex Of Person 13
 0813 SEX14 Sex Of Person 14
 0814 SEX15 Sex Of Person 15
 0196 SFLIN Suppl Heat From Vented Room Heater(s)
 0197 SFLDT Suppl Heat From Unvented Room Heater(s)
 0198 SFRPL Suppl Heat From Fireplace
 0042 SHOPS Commercial Establishments In Building (Enumerator
 0201 SHOTH Suppl Heat From Other Source(s)
 0470 SHP Shopping Facilities Adequate
 0472 SHPCLS Grocery or Drug Store Within 1 Mile
 0471 SHPM How Inadequate Is Shopping
 0192 SHPMP Suppl Heat From Heat Pump
 1004 SMEWK1 Usually Work At Same Location Each Day-Worker 1
 1005 SMEWK2 Usually Work At Same Location Each Day-Worker 2
 1006 SMEWK3 Usually Work At Same Location Each Day-Worker 3
 1007 SMEWK4 Usually Work At Same Location Each Day-Worker 4
 1008 SMEWK5 Usually Work At Same Location Each Day-Worker 5
 1009 SMEWK6 Usually Work At Same Location Each Day-Worker 6
 1010 SMEWK7 Usually Work At Same Location Each Day-Worker 7
 1011 SMEWK8 Usually Work At Same Location Each Day-Worker 8
 0017 SMSA SMSA, Defined by 1971 Boundaries
 0202 SNONE No Supplemental Heating Equipment
 0438 SNOW Roads Impassable Due to Snow, Water, Etc.
 1987 SOLDV Sold Or Otherwise Disposed Of A Vehicle Last 12 Mo
 0798 SPAN Spanish Origin Of Head/Reference Person
 0799 SPANR Spanish Origin Of Reference Person
 1540 SPASSX Amt Of Owner's Res Tax Payment Based On Sep Assess
 1541 SPBILT Amt Of Owner's Res Trash Payment Based On Sep Bills
 0195 SPLF Suppl Heat From Floor/Wall/Pipe/iss Furn
 1536 SPMTRE Amt Of Owner's Res Elec Payment Based On Sep Meter
 1537 SPMTRG Amt Of Owner's Res Gas Payment Based On Sep Meter
 1538 SPMTRW Amt Of Owner's Res Water Payment Based On Sep Meter
 0200 SPORTH Suppl Heat From Portable Room Heaters
 1539 SPPREI Amt Of Owner's Res Ins Payment Based On Sep Bills
 1198 SRENT Mnthly Rent for Mobile Home Site-Home Rented Separately
 0193 SSTEAM Suppl Heat From Steam/Hot Water System
 0199 SSTOVE Suppl Heat From Stoves
 0013 STATE State Codes
 0019 STATUS Occupancy Status
 0348 STBORN State In Which Reference Person Was Born
 0350 STIN5 Preferred State In 5 Years (Ref. Person)
 0242 STORMD Storm Doors Present
 0241 STORMW Storm Windows/Other Window Protection Present
 0349 STPLACE State In Which Reference Person Lived At Age 16
 0435 STRL Inadequate Street Lighting
 0449 STRLD Inadequate Street Lighting Disturbing

UV

0460 STRLM Inadequate Street Lighting-Want To Move
 0439 STRN Street Noise Present
 0446 STRND Street Noise Disturbing
 0457 STRNM Street Noise-Want To Move
 1556 STROKE Effects of Stroke
 0874 STRUCT Status of Structure
 0028 SUB Household Receiving Govt. Rent Subsidy (Unreliable)
 0214 SUPHEQ Supplemental Heating Equipment In Past 12 Months
 0861 SWT Inverse Of The Probability of Selection Adjusted By
 0506 TAXPMT Real Estate Taxes Included In Mortgage Payment
 1586 TEMPO Temporary Conditions
 0023 TENURE Tenure Status
 0230 THERM Thermostat in Living Quarters
 0231 THERMC Thermostat is Clock Operated
 0232 THERMS Ever Change Setting of Thermostat
 0233 THERMY How Often Change Thermostat
 1568 THUD HBP Or Hypertension
 1212 TIED Mobile Home Is Secured by Tiedowns
 1095 TIMEJ Time Required For Journey To Work, Ref Per (One Way)
 1096 TIMEJ1 Time Required For Journey To Work-Worker 1
 1097 TIMEJ2 Time Required For Journey To Work-Worker 2
 1098 TIMEJ3 Time Required For Journey To Work-Worker 3
 1099 TIMEJ4 Time Required For Journey To Work-Worker 4
 1100 TIMEJ5 Time Required For Journey To Work-Worker 5
 1101 TIMEJ6 Time Required For Journey To Work-Worker 6
 1102 TIMEJ7 Time Required For Journey To Work-Worker 7
 1103 TIMEJ8 Time Required For Journey To Work-Worker 8
 0535 TOTHOM Total Homes Reference Person Has Owned
 1209 TPARK Number of Mobile Homes in Group
 0015 TRACT Census Tract for 1970 Containing Case
 1967 TRADE1 Amount Of Trade-In Allowance (Vehicle 1 of 4)
 1968 TRADE2 Amount Of Trade-In Allowance (Vehicle 2 of 4)
 1969 TRADE3 Amount Of Trade-In Allowance (Vehicle 3 of 4)
 1970 TRADE4 Amount Of Trade-In Allowance (Vehicle 4 of 4)
 0434 TRAF Heavy Street Traffic Present
 0447 TRAFD Heavy Street Traffic Disturbing
 0458 TRAFM Heavy Street Traffic-Want To Move
 0490 TRAN Public Transportation for Area Satisfactory
 0922 TRAN1 Principal Means of Transportation To Work-Worker 1
 0923 TRAN2 Principal Means of Transportation To Work-Worker 2
 0924 TRAN3 Principal Means of Transportation To Work-Worker 3
 0925 TRAN4 Principal Means of Transportation To Work-Worker 4
 0926 TRAN5 Principal Means of Transportation To Work-Worker 5
 0927 TRAN6 Principal Means of Transportation To Work-Worker 6
 0928 TRAN7 Principal Means of Transportation To Work-Worker 7
 0929 TRAN8 Principal Means of Transportation To Work-Worker 8
 0921 TRANSU Main Means of Transportation To Work, Reference Person
 0286 TRASH Garbage Collection Services For Unit
 0489 TRN Public Transportation Adequate
 1121 TRNCH1 Changed Principal Means of Trans In Last Year-Worker 1
 1122 TRNCH2 Changed Principal Means of Trans In Last Year-Worker 2
 1123 TRNCH3 Changed Principal Means of Trans In Last Year-Worker 3
 1124 TRNCH4 Changed Principal Means of Trans In Last Year-Worker 4
 1125 TRNCH5 Changed Principal Means of Trans In Last Year-Worker 5
 1126 TRNCH6 Changed Principal Means of Trans In Last Year-Worker 6
 1127 TRNCH7 Changed Principal Means of Trans In Last Year-Worker 7
 1128 TRNCH8 Changed Principal Means of Trans In Last Year-Worker 8
 0491 TRNM Public Transp. So Inadequate That Want To Move
 0047 TRUCKS Number Of Household Trucks Including Company Owned
 1550 TUBERC Tuberculosis
 1575 TUMOR Neoplasms
 2004 TV1CST Cost Of Television Set (Set 1 of 2)
 2005 TV2CST Cost Of Television Set (Set 2 of 2)
 1997 TVBW Number of Black And White Television Sets In House
 1998 TVCOL Number of Color Television Sets In House
 0038 TYPE Type Of Living Quarters
 1759 UELEV1 Elevator Help Person 1 Go Up Or Down Stairs More Easily
 1760 UELEV2 Elevator Help Person 2 Go Up Or Down Stairs More Easily
 1761 UELEV3 Elevator Help Person 3 Go Up Or Down Stairs More Easily
 1762 UELEV4 Elevator Help Person 4 Go Up Or Down Stairs More Easily
 1763 UELEV5 Elevator Help Person 5 Go Up Or Down Stairs More Easily
 1764 UELEV6 Elevator Help Person 6 Go Up Or Down Stairs More Easily
 1843 UNO1 Features Help Person 1 Go Up Or Down Stairs
 1844 UNO2 Features Help Person 2 Go Up Or Down Stairs
 1845 UNO3 Features Help Person 3 Go Up Or Down Stairs
 1846 UNO4 Features Help Person 4 Go Up Or Down Stairs

1847 UN05 Features Help Person 5 Go Up Or Down Stairs
1848 UN06 Features Help Person 6 Go Up Or Down Stairs
1825 UOTHR1 Other Features To Help Person 1 Go Up Or Down Stairs
1826 UOTHR2 Other Features To Help Person 2 Go Up Or Down Stairs
1827 UOTHR3 Other Features To Help Person 3 Go Up Or Down Stairs
1828 UOTHR4 Other Features To Help Person 4 Go Up Or Down Stairs
1829 UOTHR5 Other Features To Help Person 5 Go Up Or Down Stairs
1830 UOTHR6 Other Features To Help Person 6 Go Up Or Down Stairs
1545 UPDOWN Any HH Member Have Dffclty Going Up/Down Staire
1723 URAIL1 Handrails Help Person 1 Go Up/Down Stairs More Easily
1724 URAIL2 Handrails Help Person 2 Go Up/Down Stairs More Easily
1725 URAIL3 Handrails Help Person 3 Go Up/Down Stairs More Easily
1726 URAIL4 Handrails Help Person 4 Go Up/Down Stairs More Easily
1727 URAIL5 Handrails Help Person 5 Go Up/Down Stairs More Easily
1728 URAIL6 Handrails Help Person 6 Go Up/Down Stairs More Easily
1741 URAMP1 Ramp Help Person 1 Go Up Or Down Stairs More Easily
1742 URAMP2 Ramp Help Person 2 Go Up Or Down Stairs More Easily
1743 URAMP3 Ramp Help Person 3 Go Up Or Down Stairs More Easily
1744 URAMP4 Ramp Help Person 4 Go Up Or Down Stairs More Easily
1745 URAMP5 Ramp Help Person 5 Go Up Or Down Stairs More Easily
1746 URAMP6 Ramp Help Person 6 Go Up Or Down Stairs More Easily
0004 URBAN Urban Status
1583 UROL Diseases Of The Genitourinary System
1546 USEQUI Any Household Member Have Difficulty Using Equipment -
0488 USETRN Household Member Use Public Transportation Once A Week
0021 VACANCY Reason Why Unit Is Vacant Or URE
0637 VALIM Amt. Of Alimony Or Child Support Income, Family
0498 VALUE Property Value
0627 VDIR Amt of Family Income From Dividends, Interest, Rent
0629 VDIV Amt. Of Estates, Trusts, Or Dividends Income, Family
0930 VEHCL Car or Truck Driven To Work, Reference Person
0931 VEHCL1 Car Or Truck Driven To Work-Worker 1
0932 VEHCL2 Car Or Truck Driven To Work-Worker 2
0933 VEHCL3 Car Or Truck Driven To Work-Worker 3
0934 VEHCL4 Car Or Truck Driven To Work-Worker 4
0935 VEHCL5 Car Or Truck Driven To Work-Worker 5
0936 VEHCL6 Car Or Truck Driven To Work-Worker 6
0937 VEHCL7 Car Or Truck Driven To Work-Worker 7
0938 VEHCL8 Car Or Truck Driven To Work-Worker 8
0634 VGOVNP Amt. Of Government Employee Pension Income, Family
0630 VINT Amt. Of Interest Income, Family
1951 VINYR1 Purchased In The Past 12 Months (Vehicle 1 of 4)
1952 VINYR2 Purchased In The Past 12 Months (Vehicle 2 of 4)
1953 VINYR3 Purchased In The Past 12 Months (Vehicle 3 of 4)
1954 VINYR4 Purchased In The Past 12 Months (Vehicle 4 of 4)
0579 VOLTS Status Of Company Supplying Electricity
0626 VOTHER Amount of Other Income, Family
0638 VOUTPR Amt. Of Reg Contributns From Persons Not In Hhold, Family
0636 VPRVPN Amt. Of Private Pension & Annuity Income, Family
0631 VRENT Amt. Of Net Rental Income, Family
0624 VSS Amt. Of Social Security Or RR Retirement Income, Family*
0599 VTOTAL Amt Of Family Income Other Than Wages, Busnss, Farm
0632 VUNEMP Amt. Of Unemployment Compensation Income, Family
0628 VUW Family Income From Unemp & Wkmen Comp, Govt pnsns, VA
0635 VVET Amt. Of Veteran's Payments Income, Family
0625 VWELF Amt. Of Welfare Or Public Assistance Income*, Family
0633 VWKCMP Amt. Of Workmens Compensation Income, Family
1159 WAFORD Work-Home More Than 5 Miles-Can Afford Present Home
2009 WASHER Washing Machine, Owned Or Furnished By Someone Else
0064 WATER Water Source
0065 WATERC Change in Water Source since Last Survey
1202 WBL0C Mob Hm Unsatisf-Bad Loc/Neighbd Probs/Commuting
1207 WBNVST Mob Hm Unsatisf-Bad Investment
1208 WB0THR Mob Hm Unsatisf-Other Reason
1203 WBQUAL Mob Hm Unsatisf-Quality of Constr/Workmshp
1205 WBSAFE Mob Hm Unsatisf-Safety
1204 WBSIZE Mob Hm Unsatisf-Size (Too Large/Too Small)
1206 WBXPEN Mob Hm Unsatisf-Too Exp, Util/Maint Charges/Fees
1029 WCNTY1 Recoded Place Of Work, County-Worker 1
1030 WCNTY2 Recoded Place Of Work, County-Worker 2
1031 WCNTY3 Recoded Place Of Work, County-Worker 3
1032 WCNTY4 Recoded Place Of Work, County-Worker 4
1033 WCNTY5 Recoded Place Of Work, County-Worker 5
1034 WCNTY6 Recoded Place Of Work, County-Worker 6
1035 WCNTY7 Recoded Place Of Work, County-Worker 7
1036 WCNTY8 Recoded Place Of Work, County-Worker 8

1160 WCOMF Work-Home More Than 5 Miles-Used to Present Home
1153 WDIST Object To Work Distance
0858 WEIGHT Weight Of Each Case In The Sample
0066 WELL Well Drilled or Dug
1158 WFAMJB Work-Home More Than 5 Miles-Close To Oth HH Members Jobs
0235 WFUEL Fuel Used To Heat Water
1469 WHNCND Year Unit Was Converted To Condo./Coop. Ownership
1220 WHOSET Who Set Up Mobile Home On This Site
1155 WHOUSE Work-Home More Than 5 Miles-Like Present House
0351 WHRIN5 Prefer to Change Area in 5 Years (Ref. Person)
0072 WHYDRY Primary Reason for Water Breakdown
0360 WHYMOVE Primary Reason Ref. Person Moved From Prev. Res.
0025 WHYNCR Reason For No Cash Rent
0878 WHYPER Reason For Personal Interview
0078 WHYTLT Water Source Breakdown In Last 90 Days
0407 WHYTO Main Reason for Moving To This Res. or Neighborhood
1214 WIDE Mobile Home Single-Wide Or Double Wide
1215 WIDTH Width of Mobile Home
1047 WKCBD1 Place Of Work in Central Business District (CBD)-Wrkr 1
1048 WKCBD2 Place Of Work in CBD-Worker 2
1049 WKCBD3 Place Of Work in CBD-Worker 3
1050 WKCBD4 Place of Work in CBD-Worker 4
1051 WKCBD5 Place of Work in CBD-Worker 5
1052 WKCBD6 Place Of Work in CBD-Worker 6
1053 WKCBD7 Place Of Work in CBD-Worker 7
1054 WKCBD8 Place Of Work in CBD-Worker 8
0849 WKDG01 How Long Ago Did (Last) Child of 1st 35+ Female Leave
0850 WKDG02 How Long Ago Did (Last) Child of 2nd 35+ Female Leave
0851 WKDG03 How Long Ago Did (Last) Child of 3rd 35+ Female Leave
0852 WKDG04 How Long Ago Did (Last) Child of 4th 35+ Female Leave
1063 WKPLC1 Workplace Place Code (25,000 or more)-Worker 1
1064 WKPLC2 Workplace Place Code (25,000 or more)-Worker 2
1065 WKPLC3 Workplace Place Code (25,000 or more)-Worker 3
1066 WKPLC4 Workplace Place Code (25,000 or more)-Worker 4
1067 WKPLC5 Workplace Place Code (25,000 or more)-Worker 5
1068 WKPLC6 Workplace Place Code (25,000 or more)-Worker 6
1069 WKPLC7 Workplace Place Code (25,000 or more)-Worker 7
1070 WKPLC8 Workplace Place Code (25,000 or more)-Worker 8
1039 WKST1 State Of Place Of Work-Worker 1
1040 WKST2 State Of Place Of Work-Worker 2
1041 WKST3 State Of Place Of Work-Worker 3
1042 WKST4 State Of Place Of Work-Worker 4
1043 WKST5 State Of Place Of Work-Worker 5
1044 WKST6 State Of Place Of Work-Worker 6
1045 WKST7 State Of Place Of Work-Worker 7
1046 WKST8 State Of Place Of Work-Worker 8
1055 WKSTZ1 Place of Work in Special Tab Zone-Worker 1
1056 WKSTZ2 Place of Work in Special Tab Zone-Worker 2
1057 WKSTZ3 Place of Work in Special Tab Zone-Worker 3
1058 WKSTZ4 Place of Work in Special Tab Zone-Worker 4
1059 WKSTZ5 Place of Work in Special Tab Zone-Worker 5
1060 WKSTZ6 Place of Work in Special Tab Zone-Worker 6
1061 WKSTZ7 Place of Work in Special Tab Zone-Worker 7
1062 WKSTZ8 Place of Work in Special Tab Zone-Worker 8
1037 WKTOWN Work in Incorporated City Or Town, Reference Person
0905 WLINE1 Line Number Of Journey To Work-Worker 1
0906 WLINE2 Line Number Of Journey To Work-Worker 2
0907 WLINE3 Line Number Of Journey To Work-Worker 3
0908 WLINE4 Line Number Of Journey To Work-Worker 4
0909 WLINE5 Line Number Of Journey To Work-Worker 5
0910 WLINE6 Line Number Of Journey To Work-Worker 6
0911 WLINE7 Line Number Of Journey To Work-Worker 7
0912 WLINE8 Line Number Of Journey To Work-Worker 8
0396 WMO1CN Displaced-Owner Converting To Condominium
0404 WMO1IR Income Reduced
0381 WMO1JT Reason Moved-Job Transfer
0405 WMO2CI Housing Costs Greatly Increased
0362 WMO2LW Reason Moved-Look For Work
0397 WMO2RH Displaced-Owner Closed Building For Rehabilitation
0406 WMO3LE Other Reason(s) For Moving To Less Expensive House
0363 WMO3NJ Reason Moved-Take A New Job
0398 WMO3NR Displaced-Owner Gave No Reason
0364 WMO4AF Reason Moved-Enter/Leave U.S. Armed Forces
0399 WMO4SL Displaced-Owner Sold Building
0400 WMO5CI Displaced-Rents Were Raised
0365 WMO5RT Reason Moved-Retirement

0366 WM06CT Reason Moved-Commuting
0401 WM06NH Displaced-Converted To Non-Residential Use
0367 WM07AS Reason Moved-To Attend School
0402 WM07LL Displaced-Owner Needed Unit For Own Family
0403 WM07PA Displaced-Other Reason
0368 WM08QE Reason Moved-Other Employment-Related
0369 WM09LH Reason Moved-Larger House/Apartment
0370 WM10DS Reason Moved-Divorced/Separated
0371 WM11WD Reason Moved-Widowed
0372 WM12CR Reason Moved-Closer To Relatives
0373 WM13NM Reason Moved-Newly Married
0374 WM14FI Reason Moved-Family Increased
0375 WM15FD Reason Moved-Family Decreased
0376 WM16EH Reason Moved-To Establish Own Household
0377 WM17FR Reason Moved-Other Family Related
0378 WM18OC Reason Moved-Neighborhood Overcrowded
0379 WM19RC Reason Moved-Racial/Ethnic Shift
0380 WM20CM Reason Moved-Crime
0381 WM21WC Reason Moved-Neighborhood With Children
0382 WM22NC Reason Moved-Neighborhood Without Children
0383 WM23BN Reason Moved-Better Neighborhood
0384 WM24BI Reason Moved-More Expensive Place/Better Investment
0385 WM25OR Reason Moved-To Own Unit
0386 WM26BH Reason Moved-Better Home
0387 WM27RR Reason Moved-To Rent Unit
0388 WM28MC Reason Moved-Unit With More Conveniences
0389 WM29LE Reason Moved-Lower Rent/Less Expensive House
0390 WM30CC Reason Moved-Change Of Climate
0391 WM31DP Reason Moved-Displaced: UR, Hwy Const, Oth Pub Actvty
0392 WM32PA Reason Moved-Displaced: Private Action
0393 WM33SC Reason Moved-Schools
0394 WM34ND Reason Moved-Natural Disaster
0395 WM35OT Reason Moved-Other Reasons
0996 WMEAN1 Main Reason For Taking Public Trans To Work-Worker 1
0997 WMEAN2 Main Reason For Taking Public Trans To Work-Worker 2
0998 WMEAN3 Main Reason For Taking Public Trans To Work-Worker 3
0999 WMEAN4 Main Reason For Taking Public Trans To Work-Worker 4
1000 WMEAN5 Main Reason For Taking Public Trans To Work-Worker 5
1001 WMEAN6 Main Reason For Taking Public Trans To Work-Worker 6
1002 WMEAN7 Main Reason For Taking Public Trans To Work-Worker 7
1003 WMEAN8 Main Reason For Taking Public Trans To Work-Worker 8
1021 WMETR1 Recoded Place Of Work, City/Suburban Status-Worker 1
1022 WMETR2 Recoded Place Of Work, City/Suburban Status-Worker 2
1023 WMETR3 Recoded Place Of Work, City/Suburban Status-Worker 3
1024 WMETR4 Recoded Place Of Work, City/Suburban Status-Worker 4
1025 WMETR5 Recoded Place Of Work, City/Suburban Status-Worker 5
1026 WMETR6 Recoded Place Of Work, City/Suburban Status-Worker 6
1027 WMETR7 Recoded Place Of Work, City/Suburban Status-Worker 7
1028 WMETR8 Recoded Place Of Work, City/Suburban Status-Worker 8
0068 WNEAR Water Available Within 1/4 Mile
1154 WNEIGH Work-Home More Than 5 Miles-Like Present Neighbors
0879 WORKRS Number of Workers in Household
1161 WOTHER Work-Home More Than 5 Miles-Other Positive Reason
0067 WPIPED Piped Water In Building
1071 WPLSZ1 Workplace Place Size-Worker 1
1072 WPLSZ2 Workplace Place Size-Worker 2
1073 WPLSZ3 Workplace Place Size-Worker 3
1074 WPLSZ4 Workplace Place Size-Worker 4
1075 WPLSZ5 Workplace Place Size-Worker 5
1076 WPLSZ6 Workplace Place Size-Worker 6
1077 WPLSZ7 Workplace Place Size-Worker 7
1078 WPLSZ8 Workplace Place Size-Worker 8
1224 WRNTE Mobile Home Fully Warranteed
1156 WSCH Work-Home More Than 5 Miles-Close To Schools
2011 WSHCST Cost of Washing Machine
2010 WSHOWN Washing Machine Purchased New Or Used
1157 WSHP Work-Home More Than 5 Miles-Convenient to Shopping
0222 WSOLAR Supplemental Solar Water Heating Unit
0408 WT01JT Reason Moved Here-Job Transfer
0409 WT02LW Reason Moved Here-Look For Work
0410 WT03NJ Reason Moved Here-Take A New Job
0411 WT04AF Reason Moved Here-Enter/Leave U.S. Armed Forces
0412 WT05RT Reason Moved Here-Retirement
0413 WT06CT Reason Moved Here-Commuting
0414 WT07AS Reason Moved Here-To Attend School
0415 WT08OE Reason Moved Here-Other Employment Related

0416 WT09LH Reason Moved Here-Larger Unit
 0417 WT10CR Reason Moved Here-Closer To Relatives
 0418 WT11FR Reason Moved Here-Other Family Reasons
 0419 WT12LC Reason Moved Here-Less Crowded Neighbhd
 0420 WT13RC Reason Moved Here-Racial/Ethnic Comp of Neighbhd
 0421 WT14CM Reason Moved Here-Low Crime Rate
 0422 WT15WC Reason Moved Here-Neighbhd With Children
 0423 WT16NC Reason Moved Here-Neighbhd Without Children
 0424 WT17BN Reason Moved Here-Better Neighborhood
 0425 WT18BI Reason Moved Here-Better Investment
 0426 WT19MC Reason Moved Here-Unit With More Conveniences
 0427 WT20LE Reason Moved Here-Low Rent/Less Expensive House
 0428 WT21CC Reason Moved Here-Change Of Climate
 0429 WT22SC Reason Moved Here-Schools
 0430 WT23OT Reason Moved Here-Other Reasons
 1079 WTIME1 Time Usually Leave For Work-Worker 1
 1080 WTIME2 Time Usually Leave For Work-Worker 2
 1081 WTIME3 Time Usually Leave For Work-Worker 3
 1082 WTIME4 Time Usually Leave For Work-Worker 4
 1083 WTIME5 Time Usually Leave For Work-Worker 5
 1084 WTIME6 Time Usually Leave For Work-Worker 6
 1085 WTIME7 Time Usually Leave For Work-Worker 7
 1086 WTIME8 Time Usually Leave For Work-Worker 8
 0863 WWT1 Weight for Individual Worker 1
 0864 WWT2 Weight for Individual Worker 2
 0865 WWT3 Weight for Individual Worker 3
 0866 WWT4 Weight for Individual Worker 4
 0867 WWT5 Weight for Individual Worker 5
 0868 WWT6 Weight for Individual Worker 6
 0869 WWT7 Weight for Individual Worker 7
 0870 WWT8 Weight for Individual Worker 8
 0315 XBEDRMS No. Of Bedrooms In Reference Person's Prev. Residence
 0311 XCOMDOC Commercial, Doctor, Or Dentist Establishment At
 0334 XCOSTE At Previous Residence Monthly Cost Of Electricity
 0337 XCOSTF Previous Residence Monthly Rent on Furniture
 0335 XCOSTG At Previous Residence Monthly Cost Of Gas
 0339 XCOSTO At Previous Residence Annual Cost Of Oil, Coal, Etc.
 0338 XCOSTP Previous Residence Monthly Cost of Parking Space
 0336 XCOSTT At Previous Residence Annual Cost Of Garbage Collection
 0340 XCOSTW At Previous Residence Annual Cost Of Water
 0347 XDISTJ Distance From Prev Res To Work
 0331 XFARP At Prev. Res. Parking in Neighbhd Not Connected W/Bldg.
 0302 XHEAD Reference Person Was Head of Household in Prev. Res.
 0345 XHJOB Usually Reported To Same Loc. Each Day From Prev Res
 0326 XIFF Previous Residence Rented Furnished
 0341 XIFJ Did Reference Person Have A Job, Previous Residence
 0329 XIFP Previous Residence Parking Available With Building
 0330 XINCP Previous Residence Parking Space Included In Rent
 0359 XINUS Previous Residence Outside The U.S.
 0304 XLOC Location Of Previous Unit
 0305 XLQT Previous House On Lot Of 10 Acres Or More (Owner)
 0306 XLQTR Previous House On Place Of 10 Acres Or More (Renter)
 0303 XMEMB Respondent Was Member Of Household In Previous Residence
 0312 XNUNITS Number Of Living Quarters In Previous Residence
 0328 XOTHF Previous Residence Furniture Rented From Non-Landlord
 0321 XPAYE At Previous Residence Household Paid Electricity
 0327 XPAYF Previous Residence Furniture Included In Rent
 0322 XPAYG At Previous Residence Household Paid Gas
 0323 XPAYO At Previous Residence Household Paid Oil, Coal, Etc.
 0332 XPAYP At Previous Residence Household Rented A Parking Space
 0325 XPAYT At Previous Residence Household Paid Garbage Collection
 0324 XPAYW At Previous Residence Household Paid Water
 0316 XPER No. Of Persons In Reference Person's Prev. Residence
 0313 XPLUMB Complete Plumbing In Previous Residence
 0309 XPROJ Previous Residence In Publicly Owned Housing
 0319 XRENT Monthly Rent For Previous Residence
 0314 XROOMS Number Of Rooms In Reference Person's Prev. Residence
 0310 XSUB Government Subsidy At Previous Residence
 0307 XTENURE Tenure While At Previous Residence
 0346 XTIMEJ Time Usually Took Ref Person From Prev Res to Work
 0343 XTRANJ Ref Person's Principal Means of Transp To Wrk, Prev Res
 0318 XVALUE Previous Property Sale Value
 0344 XVEHCL Was Car Or Truck Driven To Work From Prev Res
 0342 XWORK Prev Resid Workplace Of Ref Person Same As Now
 0662 YALIM Amt. Of Alimony Or Child Support Income, non-rels
 0704 YALIM2 Amt of Alimony/Child Support Rec'd By Non-rel 2

0705 YALIM3 Amt of Alimony/Child Support Rec'd By Non-rel 3
0706 YALIM4 Amt of Alimony/Child Support Rec'd By Non-rel 4
0653 YDIV Amt. Of Estates, Trusts, Or Dividends Income, non-rels
0677 YDIV2 Amt of Estates/Trusts/Dividends Inc Rec'd By Non-rel 2
0678 YDIV3 Amt of Estates/Trusts/Dividends Inc Rec'd By Non-rel 3
0679 YDIV4 Amt of Estates/Trusts/Dividends Inc Rec'd By Non-rel 4
0606 YFRM Nonrelative Earnings Farm Or Ranch
0668 YFRM2 Nonrel 2 Income from Farm or Ranch
0669 YFRM3 Nonrel 3 Income from Farm or Ranch
0670 YFRM4 Nonrel 4 Income from Farm or Ranch
0659 YGOVNP Amt. Of Government Employee Pension Income , non-rels
0695 YGOVNP2 Amt of Government Employee Pension Rec'd By Non-rel 2
0696 YGOVNP3 Amt of Government Employee Pension Rec'd By Non-rel 3
0697 YGOVNP4 Amt of Government Employee Pension Rec'd By Non-rel 4
0654 YINT Amt. Of Interest Income, non-rels
0680 YINT2 Amt of Interest Income Rec'd By Non-rel 2
0681 YINT3 Amt of Interest Income Rec'd By Non-rel 3
0682 YINT4 Amt of Interest Income Rec'd By Non-rel 4
0604 YIWS Nonrelative Income From Wages, Salary, Tips, Commis Etc.
0671 YIWS2 Nonrel 2 Income from Wages, Salary, Tips, Commis Etc.
0672 YIWS3 Nonrel 3 Income from Wages, Salary, Tips, Commis Etc.
0673 YIWS4 Nonrel 4 Income from Wages, Salary, Tips, Commis Etc.
0664 YOTHER Amt. Of Other Income, non-rels
0710 YOTHER2 Amt of Other Income Rec'd By Non-rel 2
0711 YOTHER3 Amt of Other Income Rec'd By Non-rel 3
0712 YOTHER4 Amt of Other Income Rec'd By Non-rel 4
0663 YOUTPR Amt. Of Reg Contrib From Persons Not In Hhold, non-rels
0707 YOUTPR2 Amt of Reg Contrib From Non-HH Per Rec'd By Non-rel 2
0708 YOUTPR3 Amt of Reg Contrib From Non-HH Per Rec'd By Non-rel 3
0709 YOUTPR4 Amt of Reg Contrib From Non-HH Per Rec'd By Non-rel 4
0661 YPRVNP Amt. Of Private Pension & Annuity Income, non-rels
0701 YPRVNP2 Amt of Priv Pension & Annuity Income Rec'd By Non-rel 2
0702 YPRVNP3 Amt of Priv Pension & Annuity Income Rec'd By Non-rel 3
0703 YPRVNP4 Amt of Priv Pension & Annuity Income Rec'd By Non-rel 4
1179 YRBUY Year Acquired Mobile Home or Trailer (on>10 acres)
1175 YRBUYM Year Acquired Mobile Home or Trailer (on<10 acres)
1955 YRBUYV1 Year Purchased (Vehicle 1 of 4)
1956 YRBUYV2 Year Purchased (Vehicle 2 of 4)
1957 YRBUYV3 Year Purchased (Vehicle 3 of 4)
1958 YRBUYV4 Year Purchased (Vehicle 4 of 4)
0655 YRENT Amt. Of Net Rental Income, non-rels
0683 YRENT2 Amt of Net Rental Income Rec'd By Non-rel 2
0684 YRENT3 Amt of Net Rental Income Rec'd By Non-rel 3
0685 YRENT4 Amt of Net Rental Income Rec'd By Non-rel 4
0605 YSLF Nonrelative Earnings-Business Or Professional Practice
0665 YSLF2 Nonrel 2 Income from Business or Professional Practice
0666 YSLF3 Nonrel 3 Income from Business or Professional Practice
0667 YSLF4 Nonrel 4 Income from Business or Professional Practice
0652 YSS Amt. Of Soc Security Or RR Retirement Income, non-rels
0674 YSS2 Amt of Soc Sec or RR Retirement Inc Rec'd By Non-rel 2
0675 YSS3 Amt of Soc Sec or RR Retirement Inc Rec'd By Non-rel 3
0676 YSS4 Amt of Soc Sec or RR Retirement Inc Rec'd By Non-rel 4
1129 YTRNJ1 Principal Means of Trans Prior to Change-Worker 1
1130 YTRNJ2 Principal Means of Trans Prior to Change-Worker 2
1131 YTRNJ3 Principal Means of Trans Prior to Change-Worker 3
1132 YTRNJ4 Principal Means of Trans Prior to Change-Worker 4
1133 YTRNJ5 Principal Means of Trans Prior to Change-Worker 5
1134 YTRNJ6 Principal Means of Trans Prior to Change-Worker 6
1135 YTRNJ7 Principal Means of Trans Prior to Change-Worker 7
1136 YTRNJ8 Principal Means of Trans Prior to Change-Worker 8
0657 YUNEMP Amt. Of Unemployment Compensation Income, non-rels
0689 YUNEMP2 Amt of Unemployment Compensation Rec'd By Non-rel 2
0690 YUNEMP3 Amt of Unemployment Compensation Rec'd By Non-rel 3
0691 YUNEMP4 Amt of Unemployment Compensation Rec'd By Non-rel 4
0660 YVET Amt. Of Veteran's Payments Income, non-rels
0698 YVET2 Amt of Veteran's Payments Rec'd By Non-rel 2
0699 YVET3 Amt of Veteran's Payments Rec'd By Non-rel 3
0700 YVET4 Amt of Veteran's Payments Rec'd By Non-rel 4
1137 YVHCL1 Prin Means Of Trans, Before Change, Veh Class-Worker 1
1138 YVHCL2 Prin Means Of Trans, Before Change, Veh Class-Worker 2
1139 YVHCL3 Prin Means Of Trans, Before Change, Veh Class-Worker 3
1140 YVHCL4 Prin Means Of Trans, Before Change, Veh Class-Worker 4
1141 YVHCL5 Prin Means Of Trans, Before Change, Veh Class-Worker 5
1142 YVHCL6 Prin Means Of Trans, Before Change, Veh Class-Worker 6
1143 YVHCL7 Prin Means Of Trans, Before Change, Veh Class-Worker 7
1144 YVHCL8 Prin Means Of Trans, Before Change, Veh Class-Worker 8

0656 YWELF Amt. Of Welfare Or Public Assistance Income*, non-rels
 0686 YWELF2 Amt of Welfare or Public Assist Inc Rec'd By Non-rel 2
 0687 YWELF3 Amt of Welfare or Public Assist Inc Rec'd By Non-rel 3
 0688 YWELF4 Amt of Welfare or Public Assist Inc Rec'd By Non-rel 4
 0658 YWKCOMP Amt. Of Workmens Compensation Income, non-rels
 0692 YWKCOMP2 Amt of Workmens Compensation Rec'd By Non-rel 2
 0693 YWKCOMP3 Amt of Workmens Compensation Rec'd By Non-rel 3
 0694 YWKCOMP4 Amt of Workmens Compensation Rec'd By Non-rel 4
 0767 ZAGE Recoded Age of Head/Reference Person
 0533 ZALT Alterations And Repairs Summary
 0033 ZBUILT Unit Added Thru New Construction Since Last Enumeration
 0826 ZCHILD Children Under 18 Of Head/Reference Person, in Hhold
 0832 ZCOMP Recoded HH Composition By Age, Sex of Reference Person
 0058 ZCROWD Recoded Persons Per Room
 0277 ZDEFM Like to Move Because of Structural Deficiencies
 1104 ZDIST1 Recoded Speed of Journey To Work-Worker 1
 1105 ZDIST2 Recoded Speed of Journey To Work-Worker 2
 1106 ZDIST3 Recoded Speed of Journey To Work-Worker 3
 1107 ZDIST4 Recoded Speed of Journey To Work-Worker 4
 1108 ZDIST5 Recoded Speed of Journey To Work-Worker 5
 1109 ZDIST6 Recoded Speed of Journey To Work-Worker 6
 1110 ZDIST7 Recoded Speed of Journey To Work-Worker 7
 1111 ZDIST8 Recoded Speed of Journey To Work-Worker 8
 0580 ZINC Inc Of Ref Person And Hshld Members Related To Ref Pers.
 0581 ZINC2 Income Of All Hshld Members Incl. Non-Relatives
 0002 ZMETRO SMSA/NonSMSA Status
 0493 ZMOVE Recoded Inadequate Services - Want To Move
 0577 ZPARK Recoded Parking Facilities Present At Unit
 0578 ZPARK2 Recoded Availability of Parking
 1180 ZPRICE Purchase Price of Mobile Home (on >10 acres)
 1176 ZPRICEM Purchase Price of Mobile Home (on <10 acres)
 0552 ZRENT Recoded Gross Rent (Contract Rent Plus Utilities)
 0553 ZRI Recoded Gross Rent As Percent Of Income
 0494 ZSERVM Recoded Inadequate Services-Desire Move
 0495 ZSERVM2 Recoded Wish To Move Due To Inadequate Services
 0521 ZSMHC Monthly Ownership Costs
 0522 ZSMHCP Monthly Ownership Costs As Percent Of Income
 0024 ZSPEC Recoded Renter/Owner Code
 0492 ZSTRM Recoded Neighborhood Condition - Desire To Move
 0031 ZTRV Recoded Composite Tenure, Race, Vacancy
 0566 ZUTIL Recoded Utilities Included in Rent
 0567 ZUTIL2 Recoded Utilities Included In Rent
 0499 ZVI Recoded Value-Income Ratio
 0317 ZXCROWD Recoded Persons Per Room-Previous Residence
 0333 ZXPARK Recoded Parking Facilities Previous Unit (Rec Mov Only)
 0320 ZXRENT Recoded Gross Rent For Previous Residence
 0308 ZXTEN Recoded Specified Owner Of Previous Residence

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