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# Metropolitan Housing Characteristics

**CANTON, OHIO**

STANDARD METROPOLITAN STATISTICAL AREA

1980

**Census of  
Housing**

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# 1980 Census of Housing

VOLUME 2

## Metropolitan Housing Characteristics

**CANTON, OHIO**

HC80-2-110

Issued November 1983



U.S. Department of Commerce  
Malcolm Baldrige, Secretary  
Robert G. Dederick,  
Under Secretary for  
Economic Affairs

BUREAU OF THE CENSUS  
C. L. Kincannon, Acting Director

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BUREAU OF THE CENSUS  
C. L. Kincannon, Acting Director

HOUSING DIVISION  
Arthur F. Young, Chief

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4	Arizona	44	Tennessee	80	Austin, Tex.		
5	Arkansas	45	Texas	81	Bakersfield, Calif.	116	Charlotte-Gastonia, N.C.
6	California	46	Utah	82	Baltimore, Md.	117	Charlottesville, Va.
7	Colorado	47	Vermont	83	Bangor, Maine	118	Chattanooga, Tenn.-Ga.
8	Connecticut	48	Virginia	84	Baton Rouge, La.	119	Chicago, Ill.
9	Delaware	49	Washington	85	Battle Creek, Mich.	120	Chico, Calif.
10	Not assigned	50	West Virginia	86	Bay City, Mich.	121	Cincinnati, Ohio-Ky.-Ind.
11	Florida	51	Wisconsin	87	Beaumont-Port Arthur- Orange, Tex.	122	Clarksville-Hopkinsville, Tenn.-Ky.
12	Georgia	52	Wyoming	88	Bellingham, Wash.	123	Cleveland, Ohio
13	Hawaii	53	Puerto Rico	89	Benton Harbor, Mich.	124	Colorado Springs, Colo.
14	Idaho	54	Not assigned	90	Billings, Mont.	125	Columbia, Mo.
15	Illinois	55	Not assigned	91	Biloxi-Gulfport, Miss.	126	Columbia, S.C.
16	Indiana	56	Not assigned	92	Binghamton, N.Y.-Pa.	127	Columbus, Ga.-Ala.
17	Iowa	57	Not assigned	93	Birmingham, Ala.	128	Columbus, Ohio
18	Kansas	58	Abilene, Tex.	94	Bismarck, N. Dak.	129	Corpus Christi, Tex.
19	Kentucky	59	Akron, Ohio	95	Bloomington, Ind.	130	Cumberland, Md.-W. Va.
20	Louisiana	60	Albany, Ga.	96	Bloomington-Normal, Ill.	131	Dallas-Fort Worth, Tex.
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23	Massachusetts	63	Alexandria, La.	99	Bradenton, Fla.	134	Davenport-Rock Island- Moline, Iowa-Ill.
24	Michigan	64	Allentown-Bethlehem-Easton, Pa.-N.J.	100	Bremerton, Wash.	135	Dayton, Ohio
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36	North Dakota	76	Athens, Ga.	112	Cedar Rapids, Iowa	146	Elmira, N.Y.
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149	Eugene-Springfield, Oreg.	188	Iowa City, Iowa	228	Lowell, Mass.-N.H.		
150	Evansville, Ind.-Ky.	189	Jackson, Mich.	229	Lubbock, Tex.		
		190	Jackson, Miss.	230	Lynchburg, Va.	266	Northeast Pennsylvania
151	Fall River, Mass.-R.I.					267	Norwalk, Conn.
152	Fargo-Moorhead, N. Dak.- Minn.	191	Jacksonville, Fla.	231	Macon, Ga.	268	Ocala, Fla.
		192	Jacksonville, N.C.	232	Madison, Wis.	269	Odessa, Tex.
153	Fayetteville, N.C.	193	Janesville-Beloit, Wis.	233	Manchester, N.H.	270	Oklahoma City, Okla.
154	Fayetteville-Springdale, Ark.	194	Jersey City, N.J.	234	Mansfield, Ohio		
		195	Johnson City-Kingsport- Bristol, Tenn.-Va.	235	Mayagüez, P.R.	271	Olympia, Wash.
155	Fitchburg-Leominster, Mass.			236	McAllen-Pharr-Edinburg, Tex.	272	Omaha, Nebr.-Iowa
156	Flint, Mich.	196	Johnstown, Pa.	237	Medford, Oreg.	273	Orlando, Fla.
157	Florence, Ala.	197	Joplin, Mo.	238	Melbourne-Titusville- Cocoa, Fla.	274	Owensboro, Ky.
158	Florence, S.C.	198	Kalamazoo-Portage, Mich.			275	Oxnard-Simi Valley- Ventura, Calif.
159	Fort Collins, Colo.	199	Kankakee, Ill.	239	Memphis, Tenn.-Ark.- Miss.	276	Panama City, Fla.
160	Fort Lauderdale-Hollywood, Fla.	200	Kansas City, Mo.-Kans.	240	Meriden, Conn.	277	Parkersburg-Marietta, W. Va.-Ohio
161	Fort Myers-Cape Coral, Fla.	201	Kenosha, Wis.			278	Pascagoula-Moss Point, Miss.
162	Fort Smith, Ark.-Okla.	202	Killeen-Temple, Tex.	241	Miami, Fla.	279	Paterson-Clifton-Passaic, N.J.
163	Fort Walton Beach, Fla.	203	Knoxville, Tenn.	242	Midland, Tex.	280	Pensacola, Fla.
164	Fort Wayne, Ind.	204	Kokomo, Ind.	243	Milwaukee, Wis.		
165	Fresno, Calif.	205	La Crosse, Wis.	244	Minneapolis-St. Paul, Minn.-Wis.	281	Peoria, Ill.
		206	Lafayette, La.	245	Mobile, Ala.	282	Petersburg-Colonial Heights-Hopewell, Va.
166	Gadsden, Ala.	207	Lafayette-West Lafayette, Ind.	246	Modesto, Calif.	283	Philadelphia, Pa.-N.J.
167	Gainesville, Fla.	208	Lake Charles, La.	247	Monroe, La.	284	Phoenix, Ariz.
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169	Gary-Hammond-East Chicago, Ind.	210	Lancaster, Pa.	249	Muncie, Ind.	286	Pittsburgh, Pa.
170	Glens Falls, N.Y.	211	Lansing-East Lansing, Mich.	250	Muskegon-Norton Shores- Muskegon Heights, Mich.	287	Pittsfield, Mass.
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174	Greeley, Colo.	215	Lawrence, Kans.	254	New Bedford, Mass.		
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176	Greensboro-Winston-Salem- High Point, N.C.	217	Lawton, Okla.	256	New Brunswick-Perth Amboy-Sayreville, N.J.	292	Poughkeepsie, N.Y.
177	Greenville-Spartanburg, S.C.	218	Lewiston-Auburn, Maine	257	New Haven-West Haven, Conn.	293	Providence-Warwick- Pawtucket, R.I.-Mass.
178	Hagerstown, Md.	219	Lexington-Fayette, Ky.			294	Provo-Orem, Utah
179	Hamilton-Middletown, Ohio	220	Lima, Ohio	258	New London-Norwich, Conn.-R.I.	295	Pueblo, Colo.
180	Harrisburg, Pa.	221	Lincoln, Nebr.	259	New Orleans, La.	296	Racine, Wis.
		222	Little Rock-North Little Rock, Ark.	260	New York, N.Y.-N.J.	297	Raleigh-Durham, N.C.
181	Hartford, Conn.	223	Long Branch-Asbury Park, N.J.			298	Reading, Pa.
182	Hickory, N.C.	224	Longview-Marshall, Tex.	261	Newark, N.J.	299	Redding, Calif.
183	Honolulu, Hawaii	225	Lorain-Elyria, Ohio	262	Newark, Ohio	300	Reno, Nev.
184	Houston, Tex.			263	Newburgh-Middletown, N.Y.	301	Richland-Kennewick- Pasco, Wash.
185	Huntington-Ashland, W. Va.-Ky.-Ohio	226	Los Angeles-Long Beach, Calif.	264	Newport News-Hampton, Va.	302	Richmond, Va.
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306	Rochester, N.Y.	325	Santa Cruz, Calif.	345	Stockton, Calif.	364	Waco, Tex.
307	Rockford, Ill.					365	Washington, D.C.-Md.-Va.
308	Rock Hill, S.C.	326	Santa Rosa, Calif.	346	Syracuse, N.Y.	366	Waterbury, Conn.
309	Sacramento, Calif.	327	Sarasota, Fla.	347	Tacoma, Wash.	367	Waterloo-Cedar Falls, Iowa
310	Saginaw, Mich.	328	Savannah, Ga.	348	Tallahassee, Fla.	368	Wausau, Wis.
		329	Seattle-Everett, Wash.	349	Tampa-St. Petersburg, Fla.	369	West Palm Beach-Boca Raton, Fla.
311	St. Cloud, Minn.	330	Sharon, Pa.	350	Terre Haute, Ind.	370	Wheeling, W. Va.-Ohio
312	St. Joseph, Mo.					371	Wichita, Kans.
313	St. Louis, Mo.-Ill.	331	Sheboygan, Wis.	351	Texarkana, Tex.-Texarkana, Ark.	372	Wichita Falls, Tex.
314	Salem, Oreg.	332	Sherman-Denison, Tex.	352	Toledo, Ohio-Mich.	373	Williamsport, Pa.
315	Salinas-Seaside-Monterey, Calif.	333	Shreveport, La.	353	Topeka, Kans.	374	Wilmington, Del.-N.J.-Md.
		334	Sioux City, Iowa-Nebr.	354	Trenton, N.J.	375	Wilmington, N.C.
		335	Sioux Falls, S. Dak.	355	Tucson, Ariz.		
316	Salisbury-Concord, N.C.					376	Worcester, Mass.
317	Salt Lake City-Ogden, Utah	336	South Bend, Ind.	356	Tulsa, Okla.	377	Yakima, Wash.
318	San Angelo, Tex.	337	Spokane, Wash.	357	Tuscaloosa, Ala.	378	York, Pa.
319	San Antonio, Tex.	338	Springfield, Ill.	358	Tyler, Tex.	379	Youngstown-Warren, Ohio
320	San Diego, Calif.	339	Springfield, Mo.	359	Utica-Rome, N.Y.	380	Yuba City, Calif.
		340	Springfield, Ohio	360	Vallejo-Fairfield-Napa, Calif.		
321	San Francisco-Oakland, Calif.	341	Springfield-Chicopee-Holyoke, Mass.-Conn.				
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B. Definitions and Explanations of Subject Characteristics. . . . . B-1
C. General Enumeration and Processing Procedures . . . . . C-1
D. Accuracy of the Data . . . . . D-1
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Introduction

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CONTENTS OF THE REPORT . . . . . VII
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SYMBOLS AND GEOGRAPHIC ABBREVIATIONS . . . . . VIII
SUPPRESSION OF DATA FOR CONFIDENTIALITY. . . . . VIII

GENERAL

This report is part of the Metropolitan Housing Characteristics series and presents cross-tabulations of sample data on housing and household characteristics from the 1980 Census of Population and Housing. Legal provision for this census, which was conducted as of April 1, 1980, was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which codified Title 13, United States Code.

The content and procedures of the 1980 census were determined after evaluation of the results of the 1970 census, consultation with a wide variety of users of census data, and extensive field testing. A number of changes were introduced in 1980 to improve the usefulness of the census results. The changes do not, however, affect to any appreciable extent the comparability between the 1980 data and the 1970 data. Further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in other publications of the 1980 census.

The Metropolitan Housing Characteristics series consists of a United States

Summary report and individual reports for each of the 50 States, Puerto Rico, and each of the standard metropolitan statistical areas (SMSA's) in the United States and Puerto Rico. The abbreviated identification for this report is HC80-2 (i.e., Housing Census, 1980, Volume 2) followed by a number representing the State or SMSA.

In the SMSA reports, data are published for the following levels of geography: the SMSA, each central city, and each place of 50,000 or more population. In the State reports, data are shown for the State, that part of the State inside SMSA's, and inside central cities. In the United States Summary report, data are published for the United States total, inside SMSA's, and inside central cities, and for the four census regions, the region total, inside SMSA's, and inside central cities.

CONTENTS OF THE REPORT

This report contains text (this introduction and six appendixes), a table of contents, one or more maps, and a series of detailed tables. The detailed tables are organized to provide a set of 68 tables for each geographic area (State, SMSA, central city, etc.) covered in the report. As shown in the "Index of Tables" on page IX, the set of tables for each geographic area is identified with a unique letter (A, B, C, etc.) prefix in the table number. In the SMSA reports, the SMSA is presented first, followed by the sets of tables for the central cities and places, all in alphabetical order.

For each particular area, the 68 tables consist of: 13 tables for the area in its entirety, 44 tables for occupied housing units classified by the racial group of the householder, and 11 tables for occupied housing units with householders of Spanish origin. More specifically, tables

1 to 13 are for the entire State, SMSA, central city, or place; tables 14 to 24 are for housing units with a White householder; tables 25 to 35 are for units with a Black householder; tables 36 to 46 are for units with an American Indian, Eskimo, or Aleut householder; tables 47 to 57 are for units with an Asian or Pacific Islander householder; and tables 58 to 68 are for units with a Spanish origin householder.

The race and Spanish origin tables are presented for SMSA's and places only when certain population-size criteria are met. Tables 25 to 35 (Black); 36 to 46 (American Indian, Eskimo, and Aleut); and 47 to 57 (Asian and Pacific Islander) are presented only when the particular area's population contains 10,000 or more persons of the given racial group or when the persons in the given racial groups constitute 10 percent or more of the total population of the particular area. If any of these 3 sets of tables qualify to appear for an area, tables 14 to 24 (White) are also presented. The Spanish origin tables (58 to 68) are shown if there are 10,000 or more Spanish origin persons in the particular area or if such persons constitute 10 percent or more of the total population of the particular area.

Appearing last in the report are the appendixes. Appendix A describes the various area classifications (e.g., standard metropolitan statistical area, census designated place). Appendix B provides definitions and explanations for the subjects covered in this report. Appendix C briefly explains the residence rules used in counting the population and describes the data collection and processing procedures. Appendix D presents information on the sources of error in the data and on editing procedures. Appendix E contains facsimiles of the 1980 census questionnaire pages and respondent instructions. Appendix F summarizes the data dissemination program of the 1980 census.

### DERIVED FIGURES (Means, Medians, and Percents)

This report presents means, medians, and percents, as well as certain rates and ratios. The median—a type of average—is the middle value in a distribution; i.e., the median divides the distribution into two equal parts: one-half of the cases are below the median and one-half of the cases are above the median. Percents and other derived measures which round to less than 0.1 are not shown but are indicated as zero (i.e., “—”).

Medians for rooms are rounded to the nearest tenth; for age, to the nearest year; for persons, to the nearest hundredth; for value, to the nearest hundred dollars; and for income, selected monthly owner costs, contract and gross rent, to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category “3 rooms” is treated as an interval ranging from 2.5 to 3.5 rooms. In computing median rent, units reported as “no cash rent” are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. For example, median age is based on a distribution of five year intervals from 15 to 85 years. When the median falls in the lower terminal category of an open-ended distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category “Less than \$10,000,” it is shown as “\$10,000—.” When the median falls in the upper terminal category of an open-

ended distribution, the initial value of the terminal category is given followed by a plus sign; thus, for example, if the median falls in the category “\$150,000 or more,” it is shown as “\$150,000+.”

### SYMBOLS AND GEOGRAPHIC ABBREVIATIONS

The following symbols and geographic abbreviations are used in the tables:

- A dash “—” represents zero or a percent which rounds to less than 0.1.
- Three dots “. . .” mean not applicable, or that the data are being withheld to avoid disclosure of information for individual housing units. (For further information on disclosure, see the section below on “Suppression of Data for Confidentiality.”)
- CDP is census designated place.
- SMSA is standard metropolitan statistical area.

### SUPPRESSION OF DATA FOR CONFIDENTIALITY

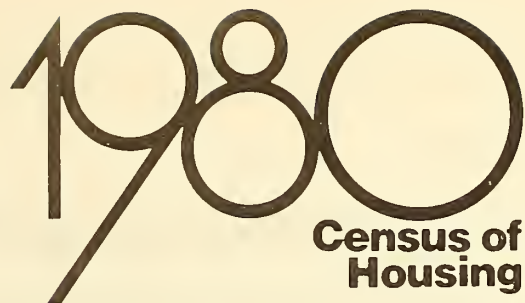
To maintain the confidentiality promised respondents and required by law, the Census Bureau takes precautions that its published data do not disclose information about specific individuals and housing units. To accomplish this, the Bureau suppresses data for characteristics which are based on a small number of persons and/or housing units in the geographic area. Under certain conditions, both primary and complementary suppression, as defined below, may take place.

The general rules of primary suppression of sample data are as follows: esti-

mates of total population by race and Spanish origin are never suppressed; other characteristics for persons are shown only if there are 30 or more persons in the geographic area; estimates of total housing units, vacant housing units, year-round housing units, and occupied housing units are never suppressed; characteristics of year-round housing units which are not classified by occupancy status are shown only when there are 10 or more year-round housing units in the geographic area; characteristics of families, households, or occupied housing units are shown only if there are at least 10 occupied housing units within the geographic area; and distributions of data for owners or renters are shown only where the number of owners is at least 10 and the number of renters is also at least 10. These primary suppression criteria are applied independently of one another. The comparable figures for complete count (100-percent) data are 15 or more persons and 5 or more housing units of the specified type.

Population and occupied housing unit characteristics cross-classified by race or Spanish origin (of the householder in the case of occupied housing units) are subject to an additional level of examination. This requires that the 30 person or 10 housing unit criterion stated above be applied individually to each race or Spanish origin category.

Finally, complementary suppression is applied to prevent the derivation of primary suppressed data by subtraction. For example, housing unit data shown by tenure may require complementary suppression when the number of owner-occupied or renter-occupied housing units is less than 10.



# Metropolitan Housing Characteristics

## CANTON, OHIO

STANDARD METROPOLITAN STATISTICAL AREA  
 HC80-2-110

### Contents

#### Arrangement of Tables

This report presents a set of tables for the SMSA, each central city, and each place of 50,000 inhabitants or more. The report is organized to provide a set of 68 tables for each geographic area. There are 11 tables showing data for all households in the area, 2 tables showing data for vacant units, 11 tables for householders of each of four separate race groups, and 11 tables for householders of Spanish origin. The race/Spanish origin tables are, however, shown only when certain population criteria are met. See page VII of the Introduction for further information. To assist the reader in using this report, the listings are presented as follows:

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Canton . . . . .	B	35 to 46	47 to 57	58 to 68	—	—	—

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# Table Finding Guide—Cross-Classification of Subjects by Table Number

Subject	Value	Gross rent	Income and poverty status in 1979 of owner-occupied housing units	Income and poverty status in 1979 of renter-occupied housing units	Selected monthly owner costs for mortgaged housing units	Selected monthly owner costs for not mortgaged housing units
<b>OCCUPANCY CHARACTERISTICS</b>						
Condominium . . . . .	—	—	—	—	—	—
Year moved into unit . . . . .	1	2	3	4	5	6
<b>UTILIZATION CHARACTERISTICS</b>						
Rooms . . . . .	1	2	—	—	5	6
Persons in unit . . . . .	—	—	—	—	5	6
Bedrooms . . . . .	1	2	—	—	—	—
Median rooms . . . . .	1	2	3	4	5	6
<b>STRUCTURAL CHARACTERISTICS</b>						
Units in structure . . . . .	—	2	—	—	—	—
Year structure built . . . . .	1	2	—	—	—	—
Stories in structure . . . . .	—	2	—	—	5	6
<b>PLUMBING CHARACTERISTICS</b>						
Plumbing facilities . . . . .	1	2	3	4	—	—
<b>EQUIPMENT AND FUELS</b>						
Heating equipment . . . . .	1	2	3	4	5	6
Air conditioning . . . . .	1	2	3	4	5	6
Vehicles available . . . . .	—	—	3	4	—	—
House heating fuel . . . . .	—	—	3	4	—	—
Water heating fuel . . . . .	—	—	—	—	5	6
<b>FINANCIAL CHARACTERISTICS</b>						
Value . . . . .	—	—	—	—	—	—
Price asked . . . . .	—	—	—	—	5	6
Mortgage status and selected monthly owner costs . . . . .	—	—	3	—	—	—
Selected monthly owner costs as percentage of household income . . . . .	—	—	—	—	—	—
Contract rent . . . . .	—	—	—	—	5	6
Gross rent . . . . .	—	—	—	4	—	—
Rent asked . . . . .	—	—	—	4	—	—
Gross rent as percentage of household income . . . . .	—	—	—	—	—	—
Mortgage status and selected monthly owner costs as percentage of household income . . . . .	1	2	—	4	—	—
Household income . . . . .	1	—	3	—	—	—
<b>HOUSEHOLD CHARACTERISTICS</b>						
Household type by age of householder . . . . .	1	2	3	4	5	6
Income . . . . .	1	—	—	—	—	—
Income below poverty level . . . . .	1	2	—	—	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

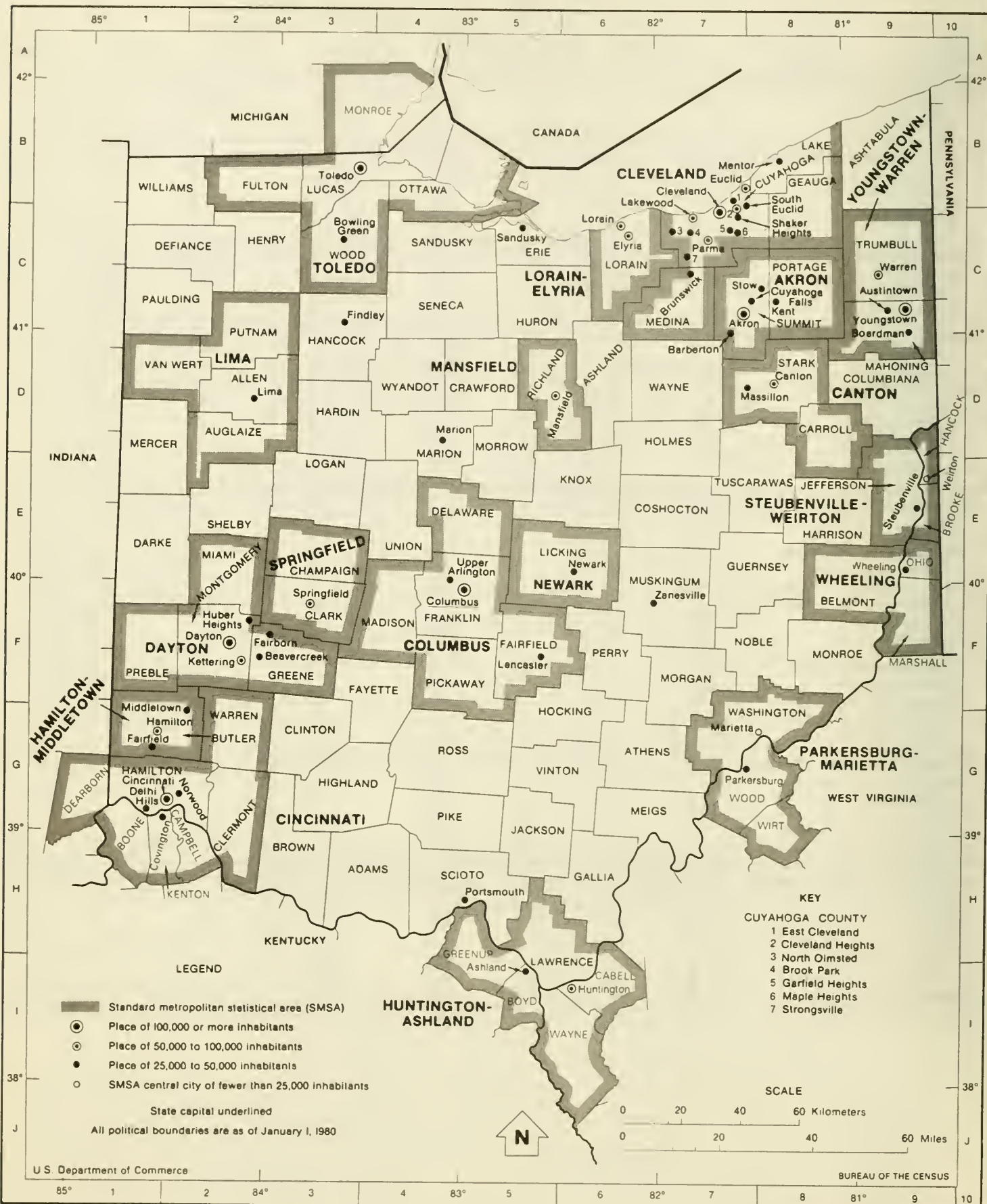
White . . . . .	14	15	16	17	18	19
Black . . . . .	25	26	27	28	29	30
American Indian, Eskimo, and Aleut . . . . .	36	37	38	39	40	41
Asian and Pacific Islander . . . . .	47	48	49	50	51	52
Spanish origin . . . . .	58	59	60	61	62	63



**Table Finding Guide—Cross-Classification of Subjects by Table Number**

Subject	Year structure built	Units in structure	Size of household (persons)	Household composition by age of householder	Age and sex of householder in one-person households	Duration of vacancy	Price asked and rent asked
<b>OCCUPANCY CHARACTERISTICS</b>							
Condominium . . . . .	—	8	—	—	—	—	—
Year moved into unit. . . . .	7	8	—	—	—	—	—
<b>UTILIZATION CHARACTERISTICS</b>							
Rooms . . . . .	7	8	9	—	—	12	—
Persons in unit. . . . .	7	—	—	10	—	—	—
Bedrooms . . . . .	—	8	—	—	—	12	13
Median rooms . . . . .	7	8	9	—	—	12	—
<b>STRUCTURAL CHARACTERISTICS</b>							
Units in structure . . . . .	7	—	9	—	11	12	13
Year structure built. . . . .	—	—	—	—	—	12	13
Stories in structure . . . . .	—	—	—	—	—	—	—
<b>PLUMBING CHARACTERISTICS</b>							
Plumbing facilities . . . . .	7	8	9	10	11	12	13
<b>EQUIPMENT AND FUELS</b>							
Heating equipment . . . . .	7	8	—	—	—	12	—
Air conditioning. . . . .	7	8	—	—	—	—	—
Vehicles available . . . . .	—	8	—	—	—	—	—
House heating fuel . . . . .	7	8	—	—	—	—	—
Water heating fuel. . . . .	—	8	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>							
Value . . . . .	—	—	9	—	—	—	—
Price asked . . . . .	—	—	—	—	—	12	—
Mortgage status and selected monthly owner costs . . . . .	—	—	—	—	11	—	—
Selected monthly owner costs as percentage of household income. . . . .	—	—	9	—	11	—	—
Contract rent . . . . .	—	—	—	—	—	—	—
Gross rent . . . . .	—	—	9	—	11	—	—
Rent asked. . . . .	—	—	—	—	—	12	—
Gross rent as percentage of household income . . . . .	—	—	9	10	11	—	—
Mortgage status and selected monthly owner costs as percentage of household income . . . . .	—	—	—	10	—	—	—
<b>HOUSEHOLD CHARACTERISTICS</b>							
Household type by age of householder . . . . .	7	8	—	—	—	—	—
Income . . . . .	7	8	9	—	11	—	—
Income below poverty level . . . . .	7	8	9	—	11	—	—
The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.							
White . . . . .	20	21	22	23	24	—	—
Black . . . . .	31	32	33	34	35	—	—
American Indian, Eskimo, and Aleut . . . . .	42	43	44	45	46	—	—
Asian and Pacific Islander . . . . .	53	54	55	56	57	—	—
Spanish origin . . . . .	64	65	66	67	68	—	—

# Standard Metropolitan Statistical Areas, Counties, and Selected Places



CORRECTION NOTE

Any corrections to the 1980 census counts of the total population and total housing units made after this report was printed are available by writing to Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

NOTE TO USERS:

The "Not computed" line for Mortgage Status and Selected Monthly Owner Costs as Percentage of Household Income in 1979 for not mortgaged units includes households with zero or negative income and households reporting no housing costs; that is, not mortgaged units with no utility, fuel, tax, or insurance payments required. Households with no Selected Monthly Owner Costs are normally excluded from the "Not computed" category.



























Table A—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 or more months		Total	Less than 2 months	2 up to 6 months	6 or more months
<b>Vacant for sale only housing units</b> -----					<b>Vacant for rent housing units</b> -----				
	1 593	444	622	527		3 920	1 885	1 242	793
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms -----	36	14	10	12	1 room -----	61	28	27	6
4 rooms -----	199	79	36	84	2 rooms -----	130	61	51	18
5 rooms -----	303	78	113	112	3 rooms -----	967	488	334	145
6 rooms -----	444	47	207	190	4 rooms -----	1 360	616	459	285
7 rooms -----	260	91	102	67	5 rooms -----	783	420	201	162
8 or more rooms -----	351	135	154	62	6 rooms -----	367	168	115	84
Median -----	6.1	6.5	6.2	5.8	7 or more rooms -----	252	104	55	93
					Median -----	4.1	4.1	4.0	4.3
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
Complete plumbing for exclusive use -----	1 541	419	613	509	Complete plumbing for exclusive use -----	3 844	1 866	1 202	776
Lacking complete plumbing for exclusive use -----	52	25	9	18	Lacking complete plumbing for exclusive use -----	76	19	40	17
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None -----	4	—	4	—	None -----	85	33	36	16
1 -----	71	24	13	34	1 -----	1 216	562	429	225
2 -----	370	101	117	152	2 -----	1 832	928	590	314
3 -----	870	212	367	291	3 -----	662	309	166	187
4 -----	267	106	111	50	4 -----	106	50	6	50
5 or more -----	11	1	10	—	5 or more -----	19	3	15	1
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1975 to March 1980 -----	560	181	257	122	1975 to March 1980 -----	889	401	371	117
1970 to 1974 -----	103	34	42	27	1970 to 1974 -----	646	401	175	70
1960 to 1969 -----	90	25	56	9	1960 to 1969 -----	570	362	121	87
1950 to 1959 -----	192	55	98	39	1950 to 1959 -----	167	70	66	31
1940 to 1949 -----	195	49	47	99	1940 to 1949 -----	466	232	145	89
1939 or earlier -----	453	100	122	231	1939 or earlier -----	1 182	419	364	399
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1, detached or attached -----	1 415	377	574	464	1, detached or attached -----	1 158	511	294	353
2 or more -----	134	38	41	55	2 -----	534	243	183	108
Mobile home or trailer -----	44	29	7	8	3 and 4 -----	486	218	172	96
					5 to 9 -----	651	441	145	65
<b>HEATING EQUIPMENT</b>					<b>HEATING EQUIPMENT</b>				
Central heating system -----	1 471	407	581	483	10 to 49 -----	1 002	440	415	147
Other means -----	115	37	34	44	50 or more -----	27	21	—	6
None -----	7	—	7	—	Mobile home or trailer -----	62	11	33	18
<b>PRICE ASKED</b>					<b>RENT ASKED</b>				
<b>Specified vacant for sale only housing units</b> -----					<b>Specified vacant for rent housing units</b> -----				
	1 333	371	554	408		3 910	1 882	1 239	789
Less than \$10,000 -----	61	16	19	26	Less than \$100 -----	341	139	132	70
\$10,000 to \$19,999 -----	150	35	33	82	\$100 to \$149 -----	743	368	210	165
\$20,000 to \$29,999 -----	165	45	60	60	\$150 to \$199 -----	1 170	608	364	198
\$30,000 to \$39,999 -----	110	10	34	66	\$200 to \$249 -----	1 045	499	313	233
\$40,000 to \$49,999 -----	185	44	121	20	\$250 to \$299 -----	428	207	161	60
\$50,000 to \$59,999 -----	160	41	64	55	\$300 to \$399 -----	155	61	48	46
\$60,000 to \$79,999 -----	248	83	117	48	\$400 or more -----	28	—	11	17
\$80,000 to \$99,999 -----	158	68	58	32	Median -----	\$187	\$189	\$187	\$179
\$100,000 or more -----	96	29	48	19					
Median -----	\$49 700	\$58 900	\$51 300	\$35 900					

Table A—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA	Price asked—Specified vacant for sale only housing units							Rent asked—Specified vacant for rent housing units							
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)	
<b>Total</b> -----	1 333	61	315	295	566	96	49 700	3 910	341	1 913	1 473	155	28	187	
<b>PLUMBING FACILITIES</b>															
Complete plumbing for exclusive use -----	1 288	54	313	295	537	89	48 800	3 834	317	1 871	1 463	155	28	189	
Lacking complete plumbing for exclusive use -----	45	7	2	—	29	7	81 400	76	24	42	10	—	—	151	
<b>BEDROOMS</b>															
None -----	4	—	4	—	—	—	16 300	85	42	41	2	—	—	101	
1 -----	47	13	8	4	15	7	33 100	1 216	118	795	303	—	—	174	
2 -----	239	25	68	90	56	—	40 800	1 831	124	679	955	56	17	207	
3 -----	775	21	201	182	344	27	48 400	657	48	350	162	86	11	174	
4 -----	258	2	34	19	146	57	81 400	103	9	33	48	13	—	206	
5 or more -----	10	—	—	—	5	5	100 000	18	—	15	3	—	—	166	
<b>YEAR STRUCTURE BUILT</b>															
1975 to March 1980 -----	498	—	4	45	372	77	76 100	889	8	184	611	75	11	238	
1970 to 1974 -----	90	1	15	13	53	8	61 700	646	30	227	367	17	5	210	
1960 to 1969 -----	78	—	17	43	18	—	41 300	568	54	234	263	17	—	199	
1950 to 1959 -----	142	—	45	52	44	1	44 600	165	38	87	22	18	—	171	
1940 to 1949 -----	172	6	60	85	21	—	36 400	466	41	360	50	9	6	148	
1939 or earlier -----	353	54	174	57	58	10	25 500	1 176	170	821	160	19	6	150	
<b>UNITS IN STRUCTURE</b>															
1, detached or attached -----	1 333	61	315	295	566	96	49 700	1 148	118	588	310	110	22	168	
2 or more -----	—	—	—	—	—	—	—	2 700	219	1 273	1 157	45	6	193	
Mobile home or trailer -----	—	—	—	—	—	—	—	62	4	52	6	—	—	185	













**Table A—19. Selected Monthly Owner Costs for Not Mortgaged Housing Units With a White Householder: 1980**

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

**The SMSA**

**Specified owner-occupied housing units**

**PERSONS IN UNIT**

1 person	8 031	97	1 046	2 594	2 258	1 161	681	111	83	103
2 persons	17 262	74	666	3 782	5 489	3 875	2 616	475	285	119
3 persons	5 266	8	131	600	1 633	1 379	1 115	317	83	130
4 persons	2 936	—	44	226	708	853	893	165	47	139
5 persons	1 549	7	14	164	379	423	384	147	31	137
6 persons	436	—	—	34	99	119	134	50	—	143
7 persons	173	7	3	3	25	64	41	19	11	144
8 or more persons	114	—	—	19	17	18	41	16	—	150
Median	2.07	1.49	1.41	1.80	2.05	2.22	2.37	2.70	2.16	—

**HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER**

<b>Married-couple families</b>	<b>23 790</b>	<b>51</b>	<b>670</b>	<b>4 106</b>	<b>7 081</b>	<b>5 927</b>	<b>4 555</b>	<b>1 022</b>	<b>378</b>	<b>125</b>
15 to 24 years	105	—	17	22	41	13	8	4	—	108
25 to 34 years	709	—	32	120	167	177	157	41	15	130
35 to 44 years	1 606	—	20	153	381	480	470	73	29	138
45 to 64 years	13 028	17	221	1 794	3 848	3 590	2 725	631	202	129
65 years and over	8 342	34	380	2 017	2 644	1 667	1 195	273	132	116
<b>Male householder, no wife present</b>	<b>2 518</b>	<b>56</b>	<b>277</b>	<b>720</b>	<b>665</b>	<b>415</b>	<b>303</b>	<b>60</b>	<b>22</b>	<b>108</b>
15 to 24 years	65	—	2	6	17	28	12	—	—	132
25 to 34 years	126	—	8	29	57	14	18	—	—	111
35 to 44 years	139	—	14	57	16	14	26	6	6	99
45 to 64 years	901	24	79	216	240	185	126	24	7	114
65 years and over	1 287	32	174	412	335	174	121	30	9	102
<b>Female householder, no husband present</b>	<b>9 459</b>	<b>86</b>	<b>960</b>	<b>2 596</b>	<b>2 862</b>	<b>1 550</b>	<b>1 047</b>	<b>218</b>	<b>140</b>	<b>109</b>
15 to 24 years	45	8	14	7	7	9	—	—	—	77
25 to 34 years	107	—	—	8	41	23	35	—	—	130
35 to 44 years	303	7	9	33	105	54	50	35	10	124
45 to 64 years	3 034	10	129	730	1 026	618	359	78	84	116
65 years and over	5 970	61	808	1 818	1 683	846	603	105	46	104
Median age	63.1	70.6	72.7	67.2	63.3	60.5	59.5	58.6	58.7	—

**YEAR HOUSEHOLDER MOVED INTO UNIT**

1979 to March 1980	922	13	64	156	223	226	156	54	30	126
1975 to 1978	2 624	8	91	478	719	636	465	155	72	126
1970 to 1974	3 154	4	179	583	857	752	652	72	55	124
1960 to 1969	8 879	29	364	1 406	2 277	2 138	2 012	525	128	129
1959 or earlier	20 188	139	1 209	4 799	6 532	4 140	2 620	494	255	115

**ROOMS**

1 to 3 rooms	393	42	113	115	68	18	35	—	2	84
4 rooms	4 142	73	539	1 350	1 202	592	328	46	12	102
5 rooms	10 982	37	693	2 826	3 678	2 250	1 231	196	71	113
6 rooms	12 117	29	424	2 404	3 859	2 994	2 041	288	78	121
7 rooms	4 925	2	111	577	1 282	1 303	1 250	276	124	134
8 or more rooms	3 208	10	27	150	519	735	1 020	494	253	158
Median	5.7	4.2	4.9	5.3	5.6	5.9	6.2	6.9	7.4	—

**YEAR STRUCTURE BUILT**

1975 to March 1980	697	13	18	70	91	208	196	68	33	144
1970 to 1974	1 091	7	45	112	200	268	362	47	50	142
1960 to 1969	4 627	18	98	452	1 100	1 206	1 281	390	82	138
1950 to 1959	9 582	11	319	1 610	2 779	2 481	1 848	393	141	125
1940 to 1949	6 038	25	362	1 423	2 011	1 240	774	98	105	116
1939 or earlier	13 732	119	1 065	3 755	4 427	2 489	1 444	304	129	111

**VALUE**

Less than \$10,000	1 115	35	230	351	303	125	44	18	9	96
\$10,000 to \$19,999	4 179	86	629	1 421	1 096	502	365	55	25	99
\$20,000 to \$29,999	6 436	27	482	2 079	2 165	1 057	500	103	23	107
\$30,000 to \$39,999	7 266	18	363	1 985	2 685	1 470	670	55	20	112
\$40,000 to \$49,999	5 897	10	130	1 017	2 250	1 559	824	84	23	120
\$50,000 to \$59,999	4 426	10	55	369	1 328	1 375	1 074	168	47	133
\$60,000 to \$79,999	4 654	—	18	188	716	1 601	1 762	278	91	147
\$80,000 to \$99,999	1 142	7	—	11	60	165	504	269	126	183
\$100,000 to \$149,999	549	—	—	1	5	32	157	253	101	216
\$150,000 or more	103	—	—	—	—	6	5	17	75	250+
Median	\$38 300	\$15 700	\$21 700	\$29 300	\$36 400	\$45 200	\$53 900	\$72 100	\$85 800	—

**SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979**

Less than 10 percent	18 575	85	754	3 519	5 585	4 576	3 165	660	231	122
10 to 14 percent	6 748	34	379	1 571	1 944	1 372	1 124	229	95	118
15 to 19 percent	3 535	42	279	740	1 156	625	505	112	76	115
20 to 24 percent	2 220	20	176	608	567	426	298	107	18	113
25 to 29 percent	1 419	5	136	316	428	264	185	46	39	115
30 to 34 percent	822	—	45	279	218	105	120	27	28	110
35 percent or more	2 163	—	117	290	630	476	482	115	53	127
Not computed	285	7	21	99	80	48	26	4	—	105
Median	10—	11.2	12.5	10.5	10—	10—	10—	10—	12.1	—

**SELECTED CHARACTERISTICS**

<b>Heating equipment</b>	<b>35 732</b>	<b>193</b>	<b>1 888</b>	<b>7 406</b>	<b>10 608</b>	<b>7 892</b>	<b>5 905</b>	<b>1 300</b>	<b>540</b>	<b>120</b>
Steam or hot water system	1 847	3	39	168	373	393	602	141	128	147
Central warm-air furnace or electric heat pump	30 980	1	1 615	6 535	9 429	6 922	4 869	1 106	374	119
Other built-in electric units	767	13	38	117	203	181	174	34	7	127
Floor, wall, or pipeless furnace	349	7	30	103	112	59	31	7	—	108
Other means	1 789	40	166	483	491	337	229	12	31	110
<b>Air conditioning</b>	<b>12 175</b>	<b>41</b>	<b>393</b>	<b>1 971</b>	<b>3 449</b>	<b>2 914</b>	<b>2 379</b>	<b>685</b>	<b>343</b>	<b>127</b>
Central system	5 011	19	23	1 432	1 005	1 419	1 386	472	255	143
1 or more individual room units	7 164	22	370	1 539	2 444	1 495	993	213	88	117
<b>House heating fuel</b>	<b>35 732</b>	<b>193</b>	<b>1 888</b>	<b>7 406</b>	<b>10 608</b>	<b>7 892</b>	<b>5 905</b>	<b>1 300</b>	<b>540</b>	<b>120</b>
Utility gas	29 405	137	1 567	6 569	9 120	6 424	4 343	856	389	118
Battled, tank, or LP gas	323	—	—	59	82	64	64	18	13	124
Electricity	1 201	23	6	179	255	262	297	81	40	133
Fuel oil, kerosene, etc.	4 259	6	150	418	1 019	1 055	1 172	341	98	138
Other	544	27	84	181	132	87	29	4	—	97





















**Table A — 29. Selected Monthly Owner Costs for Mortgaged Housing Units With a Black Householder: 1980**

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

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	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
<b>Specified owner-occupied housing units</b> -----											
	2 341	434	482	448	322	211	241	117	52	34	278
<b>PERSONS IN UNIT</b>											
1 person -----	247	61	62	72	19	26	—	7	—	—	250
2 persons -----	480	158	102	57	41	34	41	21	6	20	240
3 persons -----	443	107	65	86	65	47	48	18	7	—	279
4 persons -----	525	29	104	115	79	56	84	40	18	—	309
5 persons -----	334	43	57	50	79	48	32	6	12	7	311
6 persons -----	162	20	46	40	27	—	15	5	9	—	269
7 persons -----	94	14	29	11	7	—	13	7	—	—	268
8 or more persons -----	56	2	17	17	5	—	8	—	—	—	276
Median -----	3.50	2.49	3.62	3.58	3.96	3.47	3.88	3.81	4.22	2.35	---
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>											
<b>Married-couple families</b> -----											
15 to 24 years -----	21	—	263	274	260	164	203	110	45	34	300
25 to 34 years -----	395	30	7	7	—	—	7	—	—	—	275
35 to 44 years -----	451	47	70	66	44	34	74	52	19	6	336
45 to 64 years -----	634	157	51	94	115	45	51	20	14	14	315
65 years and over -----	131	45	115	88	79	65	66	38	12	14	276
Male householder, no wife present -----	213	38	52	74	10	25	7	7	—	—	251
15 to 24 years -----	10	—	6	4	—	—	—	—	—	—	261
25 to 34 years -----	47	7	14	7	5	7	7	—	—	—	242
35 to 44 years -----	33	8	12	6	—	—	—	—	—	—	268
45 to 64 years -----	73	4	16	30	5	18	—	—	—	—	235
65 years and over -----	50	19	4	27	—	—	—	—	—	—	277
Female householder, no husband present -----	496	117	167	100	52	22	31	—	7	—	254
15 to 24 years -----	—	—	—	—	—	—	—	—	—	—	239
25 to 34 years -----	65	—	—	—	—	—	—	—	—	—	—
35 to 44 years -----	196	29	23	7	19	16	—	—	—	—	307
45 to 64 years -----	171	49	78	67	9	—	13	—	—	—	244
65 years and over -----	64	39	51	21	24	6	13	—	7	—	236
Median age -----	44.4	54.6	43.9	43.3	42.0	46.1	40.4	39.1	40.6	43.9	---
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>											
1979 to March 1980 -----	292	19	26	60	38	21	49	46	13	20	357
1975 to 1978 -----	641	71	97	89	118	67	107	46	32	14	327
1970 to 1974 -----	520	83	123	140	72	54	28	20	—	—	269
1960 to 1969 -----	705	153	227	118	79	65	51	5	7	—	244
1959 or earlier -----	183	108	9	41	15	4	6	—	—	—	184
<b>ROOMS</b>											
1 to 3 rooms -----	29	10	11	—	—	—	—	2	—	—	220
4 rooms -----	85	56	14	—	—	6	—	—	—	—	181
5 rooms -----	618	106	145	112	149	39	37	30	—	—	276
6 rooms -----	720	194	182	90	59	79	75	25	10	6	246
7 rooms -----	508	41	62	148	76	63	66	37	15	—	302
8 or more rooms -----	381	27	68	88	38	24	58	23	27	28	310
Median -----	6.1	5.7	5.9	6.6	5.7	6.3	6.6	6.5	7.6	8.5+	---
<b>YEAR STRUCTURE BUILT</b>											
1975 to March 1980 -----	137	6	6	—	2	12	34	29	27	21	529
1970 to 1974 -----	95	—	—	15	27	7	15	19	12	—	389
1960 to 1969 -----	422	23	76	82	85	47	56	40	13	—	318
1950 to 1959 -----	352	63	72	52	51	38	55	15	—	6	289
1940 to 1949 -----	410	123	90	75	55	25	35	—	—	7	246
1939 or earlier -----	925	219	238	224	102	82	46	14	—	—	251
<b>VALUE</b>											
Less than \$10,000 -----	103	45	40	18	—	—	—	—	—	—	208
\$10,000 to \$19,999 -----	557	245	127	85	34	60	6	—	—	—	213
\$20,000 to \$29,999 -----	648	73	179	196	100	54	28	18	—	—	268
\$30,000 to \$39,999 -----	373	51	63	74	102	21	60	2	—	—	299
\$40,000 to \$49,999 -----	254	14	35	21	53	46	59	23	3	—	354
\$50,000 to \$59,999 -----	154	—	—	39	18	19	55	17	—	—	402
\$60,000 to \$79,999 -----	204	6	38	15	15	6	26	52	33	6	492
\$80,000 to \$99,999 -----	25	—	—	—	—	—	7	5	13	13	606
\$100,000 to \$149,999 -----	23	—	—	—	—	—	—	—	—	—	750+
\$150,000 or more -----	—	—	—	—	—	—	—	—	—	—	---
Median -----	\$27 100	\$16 500	\$22 500	\$26 300	\$32 300	\$26 000	\$43 200	\$54 600	\$71 700	\$73 300	---
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Less than 15 percent -----	874	236	224	177	117	39	42	30	9	—	245
15 to 19 percent -----	571	82	122	106	68	76	84	21	12	—	288
20 to 24 percent -----	260	19	26	75	36	24	24	32	16	8	314
25 to 29 percent -----	159	26	14	25	19	28	30	14	3	—	338
30 to 34 percent -----	115	9	24	6	11	14	21	5	5	20	377
35 percent or more -----	340	57	72	59	64	30	32	13	7	6	285
Not computed -----	22	—	—	—	—	—	—	—	—	—	343
Median -----	17.5	13.7	15.7	17.2	18.0	19.4	19.4	21.0	21.6	32.2	---
<b>SELECTED CHARACTERISTICS</b>											
<b>Hearing equipment</b> -----											
Stream or hot water system -----	2 341	434	482	448	322	211	241	117	52	34	278
Central warm-air furnace or electric heat pump -----	99	13	6	20	23	9	14	7	7	—	323
Other built-in electric units -----	1 931	371	416	367	243	185	191	88	42	28	274
Floor, wall, or pipeless furnace -----	62	8	—	7	11	—	25	2	3	6	413
Other means -----	36	5	25	6	—	—	—	—	—	—	226
Air conditioning -----	213	37	35	48	45	17	11	20	—	—	286
Central system -----	628	102	115	95	80	82	50	49	33	22	301
1 or more individual room units -----	231	18	41	23	18	26	15	35	33	22	380
House heating fuel -----	397	84	74	72	62	56	35	14	—	—	278
Utility gas -----	2 341	434	482	448	322	211	241	117	52	34	278
Bottled, tank, or LP gas -----	2 130	412	461	423	302	193	197	88	41	13	273
Electricity -----	32	—	—	6	7	7	—	6	—	—	329
Fuel oil, kerosene, etc. -----	125	8	21	7	11	11	25	18	3	21	412
Other -----	46	—	—	6	2	—	19	5	—	—	458
Median -----	8	2	—	6	—	—	—	—	—	—	267



Table A-30. Selected Monthly Owner Costs for Not Mortgaged Housing Units With a Black Householder: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

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	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
<b>Specified owner-occupied housing units</b>	<b>1 350</b>	<b>29</b>	<b>72</b>	<b>223</b>	<b>340</b>	<b>265</b>	<b>310</b>	<b>104</b>	<b>7</b>	<b>126</b>
<b>PERSONS IN UNIT</b>										
1 person	308	14	41	61	75	43	62	12	—	113
2 persons	528	—	24	114	138	103	126	16	7	123
3 persons	190	8	—	35	55	23	34	35	—	124
4 persons	145	7	—	—	44	33	34	27	—	141
5 persons	100	—	—	7	11	33	46	3	—	149
6 persons	42	—	—	—	13	18	—	11	—	136
7 persons	17	—	7	6	4	—	—	—	—	81
8 or more persons	20	—	—	—	—	12	8	—	—	146
Median	2.20	2.56	1.38	1.94	2.19	2.37	2.24	3.19	2.00	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>										
Married-couple families	743	—	15	111	210	141	202	64	—	131
15 to 24 years	8	—	—	—	—	8	—	—	—	138
25 to 34 years	23	—	—	—	—	7	16	—	—	164
35 to 44 years	49	—	7	—	—	29	—	13	—	140
45 to 64 years	387	—	—	58	106	57	121	45	—	138
65 years and over	276	—	8	53	104	40	65	6	—	119
Male householder, no wife present	159	14	10	27	30	43	63	15	7	124
15 to 24 years	6	—	—	—	—	—	—	6	—	225
25 to 34 years	9	—	—	—	—	9	—	—	—	138
35 to 44 years	25	—	—	—	4	15	6	—	—	139
45 to 64 years	57	—	3	22	5	14	7	6	—	117
65 years and over	62	14	7	5	21	5	—	3	7	106
Female householder, no husband present	448	15	47	85	100	81	95	25	—	119
15 to 24 years	20	7	6	—	7	—	—	—	—	63
25 to 34 years	12	—	—	—	6	—	—	—	—	75
35 to 44 years	30	—	—	—	6	6	18	—	—	158
45 to 64 years	200	—	—	27	47	36	65	25	—	143
65 years and over	186	2	41	58	34	39	12	—	—	97
Median age	59.6	66.1	72.6	66.6	63.1	54.7	55.5	53.8	85+	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>										
1979 to March 1980	49	—	7	—	19	7	8	8	—	123
1975 to 1978	187	13	8	42	25	50	37	12	—	128
1970 to 1974	188	7	10	12	51	18	54	29	7	144
1960 to 1969	385	7	19	41	93	87	125	13	—	134
1959 or earlier	541	2	28	128	152	103	86	42	—	119
<b>ROOMS</b>										
1 to 3 rooms	—	—	—	—	—	—	—	—	—	—
4 rooms	109	16	22	32	17	14	8	—	—	88
5 rooms	343	13	10	80	112	71	46	11	—	115
6 rooms	496	—	23	95	114	82	133	49	—	130
7 rooms	282	—	17	10	72	51	81	44	7	146
8 or more rooms	120	—	—	6	25	47	42	—	—	140
Median	5.9	4.4	5.7	5.5	5.9	6.1	6.3	6.3	7.0	...
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980	18	—	—	8	—	—	2	8	—	175
1970 to 1974	24	7	—	—	—	—	17	—	—	165
1960 to 1969	160	13	7	15	42	39	44	—	—	127
1950 to 1959	141	—	15	25	34	23	28	16	—	122
1940 to 1949	184	—	3	44	33	48	46	10	—	131
1939 or earlier	823	9	47	131	231	155	173	70	7	124
<b>VALUE</b>										
Less than \$10,000	175	7	9	48	19	—	64	—	—	129
\$10,000 to \$19,999	571	9	21	95	168	127	106	38	7	124
\$20,000 to \$29,999	299	6	32	35	92	39	44	51	—	121
\$30,000 to \$39,999	152	—	10	33	19	42	48	—	—	133
\$40,000 to \$49,999	73	7	—	10	14	16	18	8	—	134
\$50,000 to \$59,999	31	—	—	—	16	6	9	—	—	124
\$60,000 to \$79,999	47	—	—	—	12	7	21	7	—	161
\$80,000 to \$99,999	—	—	—	—	—	—	—	—	—	—
\$100,000 to \$149,999	2	—	—	2	—	—	—	—	—	88
\$150,000 or more	—	—	—	—	—	—	—	—	—	—
Median	\$18 400	\$14 200	\$20 700	\$16 800	\$18 500	\$17 200	\$16 900	\$22 700	\$12 500	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>										
Less than 10 percent	521	15	18	106	112	141	104	25	—	127
10 to 14 percent	244	7	17	54	75	16	45	30	—	115
15 to 19 percent	199	—	12	18	38	61	39	31	—	138
20 to 24 percent	89	—	6	—	26	12	39	6	—	151
25 to 29 percent	53	—	19	5	16	5	8	—	—	104
30 to 34 percent	39	7	—	14	8	—	10	—	—	97
35 percent or more	144	—	—	19	33	22	51	12	7	148
Not computed	61	—	—	7	40	—	14	—	—	115
Median	12.5	10—	15.4	10.2	12.5	10—	14.9	14.5	45.0	...
<b>SELECTED CHARACTERISTICS</b>										
Heating equipment	1 350	29	72	223	340	265	310	104	7	126
Steam or hot water system	35	—	3	—	8	—	8	16	—	191
Central warm-air furnace or electric heat pump	1 128	23	57	203	290	229	243	76	7	124
Other built-in electric units	22	6	—	—	—	8	—	—	—	141
Floor, wall, or pipeless furnace	21	—	—	—	—	—	21	—	—	175
Other means	144	—	12	20	42	28	30	12	—	124
Air conditioning	207	—	3	19	44	46	81	14	—	145
Central system	57	—	—	—	8	6	36	7	—	170
1 or more individual room units	150	—	3	19	36	40	45	7	—	136
House heating fuel	1 350	29	72	223	340	265	310	104	7	126
Utility gas	1 237	23	58	208	334	232	279	96	7	125
Bottled, tank, or LP gas	7	—	7	—	—	—	—	—	—	63
Electricity	43	6	7	—	—	14	8	8	—	140
Fuel oil, kerosene, etc.	45	—	—	15	—	14	16	—	—	138
Other	18	—	—	—	6	5	7	—	—	140







Table A — 34. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units With a Black Householder: 1980

(Data are estimates based on a sample, see introduction. For meaning of symbols, see introduction. For definitions of terms, see appendices A and B.)

	Married-couple families					Male householder, no wife present					Female householder, no husband present					Median age
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	
<b>The SMSA</b>																
<b>Owner-occupied housing units</b>																
<b>PERSONS IN UNIT</b>																
1 person	606	—	—	—	—	12	36	44	102	88	7	18	11	154	134	
2 persons	1 108	7	40	378	319	4	14	15	37	22	6	5	32	92	82	
3 persons	753	14	109	303	68	4	14	—	20	9	—	18	61	79	37	
4 persons	726	8	175	186	40	—	8	8	6	9	12	13	67	36	5	
5 persons	459	1	40	131	21	—	—	—	—	—	—	30	41	26	12	
6 or more persons	293	4.04	3.94	106	22	1.17	1.43	6	6	1.26	2.42	3.58	2.1	1.99	8	
Median	2.93	—	—	3.09	2.24	—	—	—	—	—	—	—	—	—	—	
Total persons	12 995	97	1 787	3 958	1 124	22	143	192	333	293	82	300	800	956	577	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																
Complete plumbing for exclusive use	4 068	29	452	540	470	16	67	73	171	133	25	84	227	397	278	
1.01 or more persons per room	150	—	24	33	8	—	—	6	—	6	—	—	13	23	4	
Lacking complete plumbing for exclusive use	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																
<b>Specified owner-occupied housing units</b>																
With a mortgage	3 691	29	418	500	407	16	56	58	130	112	20	77	226	371	250	
Less than 15 percent	2 341	21	395	451	131	10	47	33	73	50	—	65	196	171	64	
15 to 19 percent	874	7	137	224	20	6	21	8	12	6	—	14	49	22	14	
20 to 24 percent	571	7	114	120	43	—	5	8	35	5	—	11	64	34	—	
25 to 29 percent	260	8	74	27	8	4	14	10	16	11	—	7	24	21	10	
30 to 34 percent	159	7	43	36	16	—	—	—	—	4	—	—	20	—	4	
35 percent or more	115	7	17	27	6	—	—	—	—	—	—	12	—	9	—	
Not computed	340	7	10	9	41	—	7	7	10	22	—	14	39	85	22	
Median	22	—	—	8	2	—	—	—	—	—	—	—	—	—	5	
Not mortgaged	1 350	17.5	17.7	14.9	21.6	10	17.5	20.2	18.5	26.3	—	27.9	18.8	34.7	30.8	
Less than 10 percent	8	8	23	49	276	6	9	25	57	62	20	12	30	200	186	
10 to 14 percent	521	8	14	27	52	—	9	15	12	12	—	6	14	35	36	
15 to 19 percent	244	—	—	14	58	—	—	—	12	11	7	—	—	83	17	
20 to 24 percent	199	—	9	8	22	6	—	10	3	3	—	—	—	27	21	
25 to 29 percent	89	—	—	18	36	—	—	—	—	5	—	6	—	—	—	
30 to 34 percent	53	—	—	6	7	—	—	—	—	—	13	—	—	—	—	
35 percent or more	39	—	—	—	10	—	—	—	—	—	—	—	—	—	—	
Not computed	144	—	—	—	8	—	—	—	7	8	—	—	16	48	38	
Median	61	—	—	—	27	—	—	—	—	—	—	—	—	—	19	
Total persons	12.5	10	10	10	16.4	17.5	10	10	10	20.6	26.2	15.0	35.5	13.7	24.3	
<b>Renter-occupied housing units</b>																
<b>PERSONS IN UNIT</b>																
1 person	1 275	—	—	—	—	55	132	69	154	86	108	140	34	200	297	
2 persons	944	27	63	43	71	15	42	5	44	18	129	76	51	76	47	
3 persons	762	76	102	38	54	47	22	19	12	18	94	172	64	74	20	
4 persons	535	32	128	31	19	15	4	—	—	—	43	157	76	31	4	
5 persons	340	45	41	42	3	—	—	—	—	—	25	84	46	49	—	
6 or more persons	208	6	18	31	30	—	—	—	—	—	—	37	45	25	—	
Median	2.30	3.37	3.59	3.87	2.11	1.57	1.26	1.29	1.18	1.10	2.21	2.81	3.62	1.86	1.12	
Total persons	10 671	674	1 395	713	573	207	333	229	275	122	961	2 312	1 114	1 096	426	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																
Complete plumbing for exclusive use	3 989	186	352	185	81	117	200	93	210	101	376	780	316	455	361	
1.01 or more persons per room	123	10	21	28	7	—	—	9	—	—	7	30	1	7	—	
Lacking complete plumbing for exclusive use	75	—	—	—	5	—	—	16	—	3	23	12	—	—	—	
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																
<b>Specified renter-occupied housing units</b>																
Less than 15 percent	3 951	186	352	175	80	117	200	101	207	104	362	776	309	448	349	
15 to 19 percent	820	85	129	79	59	16	50	35	35	19	53	105	59	71	17	
20 to 24 percent	723	27	80	12	39	26	16	17	19	30	45	136	60	75	94	
25 to 29 percent	527	25	20	29	50	20	16	4	4	17	45	146	36	46	37	
30 to 34 percent	314	13	19	6	6	—	—	—	—	4	32	71	46	33	28	
35 to 39 percent	239	13	15	—	—	—	—	—	—	9	37	60	9	35	31	
40 to 49 percent	322	18	28	16	3	11	31	7	17	20	11	58	12	59	22	
50 percent or more	792	18	30	33	19	33	25	25	41	5	116	177	77	38.9	94	
Not computed	214	16.3	17.0	18.5	18.1	26.4	19.3	19.6	30.0	23.8	29.1	24.6	24.2	26.7	26	
Median	23.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	















**Table B — 6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980**

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Canton city	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
<b>Specified owner-occupied housing units</b>	<b>9 581</b>	<b>49</b>	<b>822</b>	<b>2 561</b>	<b>2 941</b>	<b>1 670</b>	<b>1 130</b>	<b>273</b>	<b>135</b>	<b>112</b>
<b>PERSONS IN UNIT</b>										
1 person	2 621	14	484	822	723	295	222	42	19	100
2 persons	4 384	17	275	1 352	1 399	728	498	53	62	110
3 persons	1 233	7	46	192	426	305	156	78	19	122
4 persons	650	—	10	107	205	154	105	50	12	125
5 persons	462	—	—	66	132	137	84	26	17	131
6 persons	137	—	—	16	29	30	46	16	—	145
7 persons	52	—	7	6	10	15	8	—	6	130
8 or more persons	42	—	—	—	17	6	11	—	—	142
Median	1.99	2.12	1.35	1.84	2.03	2.24	2.19	3.03	2.28	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>										
<b>Married-couple families</b>	<b>5 509</b>	<b>5</b>	<b>211</b>	<b>1 409</b>	<b>1 768</b>	<b>1 168</b>	<b>693</b>	<b>168</b>	<b>87</b>	<b>116</b>
15 to 24 years	28	—	—	8	8	8	—	4	—	119
25 to 34 years	164	—	17	25	44	51	21	6	—	123
35 to 44 years	249	—	7	52	37	86	46	21	—	133
45 to 64 years	2 772	5	66	606	983	598	379	90	45	118
65 years and over	2 296	—	121	718	696	425	247	47	42	111
<b>Male householder, no wife present</b>	<b>928</b>	<b>7</b>	<b>135</b>	<b>281</b>	<b>254</b>	<b>97</b>	<b>106</b>	<b>41</b>	<b>7</b>	<b>104</b>
15 to 24 years	30	—	—	6	8	5	5	6	—	130
25 to 34 years	40	—	—	12	9	—	—	—	—	111
35 to 44 years	73	—	7	40	4	12	10	—	—	93
45 to 64 years	321	—	45	83	86	36	54	17	—	109
65 years and over	464	—	83	140	137	35	37	18	7	100
<b>Female householder, no husband present</b>	<b>3 144</b>	<b>37</b>	<b>476</b>	<b>871</b>	<b>919</b>	<b>405</b>	<b>331</b>	<b>64</b>	<b>41</b>	<b>105</b>
15 to 24 years	30	15	8	7	—	—	—	—	—	50
25 to 34 years	37	6	—	—	11	16	4	—	—	127
35 to 44 years	93	—	6	8	33	9	30	7	—	125
45 to 64 years	939	—	43	251	329	144	101	30	41	113
65 years and over	2 045	16	419	605	546	236	196	27	—	99
Median age	65.1	48.5	74.8	67.4	64.1	62.6	61.8	60.9	57.9	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>										
1979 to March 1980	242	—	32	23	75	58	28	20	6	122
1975 to 1978	693	13	66	188	207	115	79	25	—	110
1970 to 1974	751	—	67	190	186	133	131	24	20	116
1960 to 1969	2 049	20	153	483	553	374	345	85	36	117
1959 or earlier	5 846	16	504	1 677	1 920	990	547	119	73	109
<b>ROOMS</b>										
1 to 3 rooms	65	—	27	18	14	6	—	—	—	83
4 rooms	1 009	22	209	329	290	111	41	7	—	96
5 rooms	2 556	18	283	933	805	325	176	16	—	101
6 rooms	3 792	9	231	1 076	1 272	728	398	58	20	111
7 rooms	1 311	—	51	141	409	339	262	68	41	129
8 or more rooms	848	—	21	64	151	161	253	124	74	155
Median	5.8	4.6	5.1	5.5	5.8	6.0	6.4	7.3	8.1	...
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980	48	—	—	12	7	7	14	8	—	143
1970 to 1974	92	—	7	5	12	11	45	—	12	162
1960 to 1969	440	18	31	58	90	78	110	48	7	132
1950 to 1959	1 652	—	98	422	569	317	166	34	46	113
1940 to 1949	1 794	—	123	527	523	349	218	28	26	112
1939 or earlier	5 555	31	563	1 537	1 740	908	577	155	44	109
<b>VALUE</b>										
Less than \$10,000	620	9	124	190	135	65	81	16	—	98
\$10,000 to \$19,999	2 009	19	351	631	517	263	150	65	13	100
\$20,000 to \$29,999	2 437	6	168	820	861	347	188	42	5	107
\$30,000 to \$39,999	2 060	—	135	652	752	362	148	5	6	108
\$40,000 to \$49,999	1 142	15	32	157	415	352	145	26	—	122
\$50,000 to \$59,999	563	—	12	96	186	125	137	—	7	153
\$60,000 to \$79,999	493	—	—	15	69	149	202	32	26	156
\$80,000 to \$99,999	151	—	—	—	6	7	68	26	44	196
\$100,000 to \$149,999	92	—	—	—	—	—	11	54	27	232
\$150,000 or more	14	—	—	—	—	—	—	7	7	250
Median	\$28 500	\$18 300	\$17 900	\$25 200	\$29 100	\$34 300	\$39 700	\$43 300	\$88 800	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>										
Less than 10 percent	4 421	26	295	1 224	1 367	863	452	120	74	112
10 to 14 percent	1 866	16	139	581	548	299	225	44	14	109
15 to 19 percent	1 093	7	147	266	336	174	101	51	11	109
20 to 24 percent	684	—	80	168	195	120	95	21	5	112
25 to 29 percent	385	—	80	91	112	35	47	14	6	105
30 to 34 percent	209	—	13	86	80	14	16	—	—	102
35 percent or more	782	—	62	110	242	145	175	23	25	123
Not computed	141	—	6	35	61	20	19	—	—	112
Median	10.8	10—	14.1	10.3	10.7	10—	12.3	11.9	10—	...
<b>SELECTED CHARACTERISTICS</b>										
<b>Heating equipment</b>	<b>9 555</b>	<b>49</b>	<b>803</b>	<b>2 554</b>	<b>2 941</b>	<b>1 670</b>	<b>1 130</b>	<b>273</b>	<b>135</b>	<b>112</b>
Steam or hot water system	285	—	16	34	49	—	75	47	52	171
Central warm-air furnace or electric heat pump	8 828	34	762	2 414	2 768	1 571	970	226	83	111
Other built-in electric units	68	—	—	—	27	15	20	—	—	127
Floor, wall, or pipeless furnace	84	—	6	22	35	5	16	—	—	110
Other means	290	9	19	84	62	67	49	—	—	113
<b>Air conditioning</b>	<b>3 184</b>	<b>8</b>	<b>189</b>	<b>674</b>	<b>939</b>	<b>683</b>	<b>482</b>	<b>107</b>	<b>102</b>	<b>119</b>
Central system	1 000	—	12	105	266	233	229	77	78	138
1 or more individual room units	2 184	8	177	569	673	450	253	30	24	113
<b>House heating fuel</b>	<b>9 555</b>	<b>49</b>	<b>803</b>	<b>2 554</b>	<b>2 941</b>	<b>1 670</b>	<b>1 130</b>	<b>273</b>	<b>135</b>	<b>112</b>
Utility gas	9 278	43	760	2 493	2 896	1 632	1 077	254	123	112
Bottled, tank, or LP gas	27	—	—	20	7	—	—	—	—	92
Electricity	143	6	20	8	27	26	41	8	7	135
Fuel oil, kerosene, etc.	54	—	10	—	11	12	5	11	5	138
Other	53	—	13	33	—	—	7	—	—	85







**Table B—10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980**

(Data are estimates based on a sample. See Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.)

	Canton city										Median age						
	Married-couple families					Female householder, no husband present											
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over							
<b>Owner-occupied housing units</b>	21 703	3 068	2 210	5 728	2 976	143	370	257	614	686	86	385	472	1 761	2 575	55.1	
<b>PERSONS IN UNIT</b>																	
1 person	4 355	—	—	—	—	75	262	125	380	496	23	105	55	977	1 907	66.9	
2 persons	7 346	554	144	2 432	2 426	36	68	64	150	129	40	74	77	478	503	62.4	
3 persons	3 759	1 571	308	1 571	380	11	15	15	42	15	16	132	136	185	132	51.1	
4 persons	1 751	71	979	474	84	16	15	5	21	32	7	56	114	84	15	39.6	
5 persons	1 177	8	508	477	14	5	3	21	15	3	—	68	61	5	40.1		
6 or more persons	2 38	2 62	432	2 78	2 11	1 45	1 21	1 55	1 31	1 19	2 00	2 65	3 26	1 19	13	42.3	
Median	60 794	1 057	11 380	18 228	6 797	297	580	614	1 060	1 087	185	1 032	1 591	3 348	3 666	—	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																	
Complete plumbing for exclusive use	21 616	3 068	2 210	5 706	2 971	143	370	257	608	669	86	385	466	1 757	2 548	55.0	
1.01 or more persons per room	392	85	140	125	5	6	5	10	6	6	—	—	—	11	4	42.0	
Locking complete plumbing for exclusive use	87	—	—	—	—	—	—	—	—	17	—	—	—	4	27	67.5	
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																	
With a mortgage	19 527	2 889	2 062	5 216	2 694	104	295	221	495	559	67	350	442	1 532	2 250	54.8	
Less than 1.5 percent	3 946	2 725	1 813	2 444	398	74	255	148	174	95	37	313	349	1 111	205	48.3	
1.5 to 19 percent	9 007	806	1 177	3 400	78	20	49	84	77	12	6	39	57	93	111	44.2	
20 to 24 percent	2 322	881	464	1 340	78	14	72	32	37	7	6	44	93	38	38	35.5	
25 to 29 percent	1 379	193	80	589	38	18	21	21	21	25	6	43	59	92	17	34.3	
30 to 34 percent	680	62	272	104	39	5	10	6	6	4	6	48	34	53	13	34.7	
35 percent or more	459	14	67	26	26	17	12	5	9	12	3	33	14	34	14	39.5	
Not computed	1 144	162	80	716	123	17	12	6	24	35	13	88	83	198	81	51.3	
Median	155	—	—	—	4	—	—	—	—	—	—	—	—	—	11	40.4	
Not mortgaged	17 2	18 2	14 6	13 2	23 8	20 8	20 5	14 3	16 4	29 4	22 9	27 2	21 7	24 5	79 2	—	
Less than 10 percent	9 581	28	104	2 772	2 296	30	40	73	321	464	20	37	93	939	2 045	65.1	
10 to 14 percent	4 421	24	71	1 055	848	6	22	61	191	101	30	191	426	249	252	68.1	
15 to 19 percent	1 866	34	8	359	700	19	4	6	18	41	7	21	20	20	20	—	
20 to 24 percent	1 093	7	—	187	334	19	4	—	6	6	6	6	7	150	304	69.7	
25 to 29 percent	684	—	—	85	241	—	—	—	—	—	—	—	—	251	72.3		
30 to 34 percent	385	—	—	13	10	—	—	—	22	50	—	—	—	27	184	74.3	
35 percent or more	209	6	9	37	6	—	—	—	16	6	—	—	—	12	152	70.7	
Not computed	782	—	—	37	52	5	—	—	19	71	—	—	—	192	374	70.0	
Median	141	—	—	—	41	—	—	—	8	8	—	—	—	19	58	69.5	
10.8	10	—	—	—	—	17 4	10	—	—	16 8	10	13 0	10	14 2	19 5	—	
<b>Renter-occupied housing units</b>	14 691	1 007	567	924	501	692	875	406	696	464	1 192	1 647	809	1 394	1 788	34.0	
<b>PERSONS IN UNIT</b>																	
1 person	6 185	—	—	—	—	441	644	301	540	405	514	665	238	822	1 615	51.4	
2 persons	3 837	429	130	442	427	179	160	36	113	51	383	458	174	261	130	33.0	
3 persons	2 290	368	125	216	54	47	42	43	27	8	220	353	165	162	33	30.0	
4 persons	1 235	297	125	134	15	12	16	5	10	8	50	221	111	31	10	31.9	
5 persons	687	56	131	70	5	8	13	—	6	—	25	94	62	46	—	34.4	
6 or more persons	457	7	124	62	—	5	—	12	—	—	36	59	29	10	—	37.2	
Median	1 80	2 70	3 12	2 59	2 09	1 28	1 18	1 17	1 14	1 07	2 29	2 06	2 46	1 35	1 05	—	
Total persons	31 751	2 933	5 229	2 779	1 125	1 072	1 249	671	867	496	2 229	4 168	2 176	2 503	1 939	—	
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																	
Complete plumbing for exclusive use	14 332	971	558	903	496	667	838	398	689	445	1 135	1 834	791	1 374	1 720	36.1	
1.01 or more persons per room	257	21	39	10	12	—	5	—	6	—	7	29	12	21	—	33.1	
Locking complete plumbing for exclusive use	359	36	—	21	7	25	37	8	7	19	57	13	18	20	68	34.3	
1.01 or more persons per room	18	11	—	—	—	—	—	—	—	—	—	—	—	—	—	19.1	
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																	
Specified renter-occupied housing units	14 431	996	547	887	473	687	859	406	696	458	1 155	1 827	793	1 369	1 765	35.9	
Less than 15 percent	3 081	304	163	300	102	193	254	241	197	92	143	197	88	203	213	34.8	
15 to 19 percent	2 388	163	101	118	69	117	117	46	179	57	200	274	156	252	153	34.6	
20 to 24 percent	2 140	153	283	135	89	106	135	46	34	34	148	334	84	187	250	33.3	
25 to 29 percent	1 902	68	133	81	46	62	65	7	176	53	176	213	111	167	178	35.8	
30 to 34 percent	1 605	81	64	37	19	54	42	15	27	37	85	127	50	105	140	34.9	
35 percent or more	2 317	105	88	71	45	99	96	27	135	46	90	186	77	127	343	48.2	
Not computed	560	24	66	87	28	6	22	18	35	26	275	461	209	245	419	36.1	
Median	23.4	20.6	19.9	19.2	22.3	21.4	20.5	13.0	19.9	28.5	26.9	27.1	27.7	25.1	31.9	—	





Table B—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction For meaning of symbols, see Introduction For definitions of terms, see appendixes A and B]

Canton city	Canton city				Canton city	Canton city			
	Total	Less than 2 months	2 up to 6 months	6 or more months		Total	Less than 2 months	2 up to 6 months	6 or more months
Vacant for sale only housing units .....	351	93	120	138	Vacant for rent housing units .....	1 301	621	397	283
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms .....	18	10	—	8	1 room .....	29	15	8	6
4 rooms .....	24	—	7	17	2 rooms .....	61	33	13	15
5 rooms .....	61	7	25	29	3 rooms .....	454	238	141	75
6 rooms .....	124	17	46	61	4 rooms .....	365	153	130	82
7 rooms .....	61	31	14	16	5 rooms .....	182	95	40	47
8 or more rooms .....	63	28	28	7	6 rooms .....	145	68	40	37
Median .....	6.1	6.9	6.1	5.7	7 or more rooms .....	65	19	25	21
					Median .....	3.8	3.7	3.8	4.1
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
Complete plumbing for exclusive use .....	351	93	120	138	Complete plumbing for exclusive use .....	1 258	611	374	273
Lacking complete plumbing for exclusive use .....	—	—	—	—	Lacking complete plumbing for exclusive use .....	43	10	23	10
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None .....	—	—	—	—	None .....	38	15	17	6
1 .....	24	6	3	15	1 .....	563	280	194	89
2 .....	64	8	19	37	2 .....	456	212	133	111
3 .....	205	61	73	71	3 .....	211	106	37	68
4 .....	58	18	25	15	4 .....	16	5	2	9
5 or more .....	—	—	—	—	5 or more .....	17	3	14	—
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1975 to March 1980 .....	27	—	17	10	1975 to March 1980 .....	46	16	25	5
1970 to 1974 .....	—	—	—	—	1970 to 1974 .....	203	114	66	23
1960 to 1969 .....	23	10	13	—	1960 to 1969 .....	200	129	26	45
1950 to 1959 .....	18	3	5	10	1950 to 1959 .....	68	22	32	14
1940 to 1949 .....	40	8	9	23	1940 to 1949 .....	252	140	79	33
1939 or earlier .....	243	72	76	95	1939 or earlier .....	532	200	169	163
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1, detached or attached .....	301	85	107	109	1, detached or attached .....	370	139	96	135
2 or more .....	50	8	13	29	2 .....	260	128	84	48
Mobile home or trailer .....	—	—	—	—	3 and 4 .....	176	74	70	32
<b>HEATING EQUIPMENT</b>					5 to 9 .....	169	95	47	27
Central heating system .....	343	93	116	134	10 to 49 .....	299	164	100	35
Other means .....	8	—	4	4	50 or more .....	27	21	—	6
None .....	—	—	—	—	Mobile home or trailer .....	—	—	—	—
<b>PRICE ASKED</b>					<b>RENT ASKED</b>				
Specified vacant for sale only housing units .....	291	85	107	99	Specified vacant for rent housing units .....	1 301	621	397	283
Less than \$10,000 .....	38	16	5	17	Less than \$100 .....	159	65	62	32
\$10,000 to \$19,999 .....	50	18	23	9	\$100 to \$149 .....	376	201	105	70
\$20,000 to \$29,999 .....	87	28	25	34	\$150 to \$199 .....	519	273	155	91
\$30,000 to \$39,999 .....	44	5	11	28	\$200 to \$249 .....	166	66	41	59
\$40,000 to \$49,999 .....	14	5	9	—	\$250 to \$299 .....	48	16	6	26
\$50,000 to \$59,999 .....	30	10	9	11	\$300 to \$399 .....	17	—	17	—
\$60,000 to \$79,999 .....	3	3	—	—	\$400 or more .....	16	—	11	5
\$80,000 to \$99,999 .....	25	—	25	—	Median .....	\$159	\$158	\$156	\$172
\$100,000 or more .....	—	—	—	—					
Median .....	\$26 200	\$24 600	\$30 400	\$26 800					

Table B—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Canton city	Price asked—Specified vacant for sale only housing units						Rent asked—Specified vacant for rent housing units							
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)
<b>Total</b> .....	291	38	137	58	58	—	26 200	1 301	159	895	214	17	16	159
<b>PLUMBING FACILITIES</b>														
Complete plumbing for exclusive use .....	291	38	137	58	58	—	26 200	1 258	149	872	204	17	16	159
Lacking complete plumbing for exclusive use .....	—	—	—	—	—	—	—	43	10	23	10	—	—	158
<b>BEDROOMS</b>														
None .....	—	—	—	—	—	—	—	38	17	21	—	—	—	103
1 .....	10	6	—	4	—	—	10000—	563	60	463	40	—	—	152
2 .....	44	12	4	17	11	—	32 300	456	49	261	127	8	11	173
3 .....	182	20	100	37	25	—	25 200	211	24	129	44	9	5	154
4 .....	55	—	33	—	22	—	27 000	16	9	7	—	—	—	68
5 or more .....	—	—	—	—	—	—	—	17	—	14	3	—	—	166
<b>YEAR STRUCTURE BUILT</b>														
1975 to March 1980 .....	17	—	—	—	17	—	89 400	46	8	22	5	—	11	189
1970 to 1974 .....	—	—	—	—	—	—	—	203	9	121	68	—	5	188
1960 to 1969 .....	23	—	10	5	8	—	36 500	200	37	93	62	8	—	186
1950 to 1959 .....	18	—	9	4	5	—	28 800	68	12	43	7	6	—	157
1940 to 1949 .....	40	6	14	17	3	—	27 500	252	14	210	28	—	—	147
1939 or earlier .....	193	32	104	32	25	—	25 300	532	79	406	44	3	—	150
<b>UNITS IN STRUCTURE</b>														
1, detached or attached .....	291	38	137	58	58	—	26 200	370	50	212	75	17	16	158
2 or more .....	—	—	—	—	—	—	—	931	109	683	139	—	—	159
Mobile home or trailer .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—









Table B — 18. Selected Monthly Owner Costs for Mortgaged Housing Units With a White Householder: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Canton city	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units .....	8 563	1 619	1 747	1 547	1 331	871	866	302	174	106	280
<b>PERSONS IN UNIT</b>											
1 person .....	864	324	206	73	123	83	41	9	5	—	226
2 persons .....	2 069	515	349	357	293	204	237	63	20	31	274
3 persons .....	1 849	332	349	353	350	204	143	77	23	18	284
4 persons .....	2 099	239	529	414	320	205	229	77	56	30	284
5 persons .....	1 014	112	200	245	151	99	104	49	34	20	290
6 persons .....	436	60	76	51	58	42	96	15	31	7	327
7 persons .....	129	12	22	31	30	14	10	5	5	—	299
8 or more persons .....	103	25	16	23	6	20	6	7	—	—	273
Median .....	3.23	2.44	3.41	3.47	3.21	3.23	3.55	3.53	4.20	3.63	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>											
Married-couple families .....	6 779	1 056	1 331	1 316	1 074	720	766	279	131	106	288
15 to 24 years .....	288	27	14	63	101	43	32	8	—	—	320
25 to 34 years .....	2 498	163	383	583	546	327	300	99	67	30	311
35 to 44 years .....	1 561	233	415	267	179	111	221	80	28	27	275
45 to 64 years .....	2 129	512	462	344	222	229	189	86	36	49	263
65 years and over .....	303	121	57	59	26	10	24	6	—	—	227
Male householder, no wife present .....	636	131	177	84	94	68	48	17	17	—	256
15 to 24 years .....	74	5	15	8	18	24	—	—	4	—	325
25 to 34 years .....	229	37	47	50	34	21	27	8	5	—	280
35 to 44 years .....	140	31	45	6	24	19	7	—	8	—	243
45 to 64 years .....	139	40	38	20	18	—	14	9	—	—	239
65 years and over .....	54	18	32	—	—	4	—	—	—	—	214
Female householder, no husband present .....	1 148	432	239	147	163	83	52	6	26	—	230
15 to 24 years .....	37	—	11	6	7	13	—	—	—	—	311
25 to 34 years .....	248	69	39	31	69	29	6	—	5	—	276
35 to 44 years .....	203	46	50	37	28	—	21	—	21	—	257
45 to 64 years .....	501	207	114	66	54	35	19	6	—	—	219
65 years and over .....	159	110	25	7	5	6	6	—	—	—	166
Median age .....	39.6	50.1	41.5	36.1	33.4	34.4	38.1	40.0	36.2	43.9	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>											
1979 to March 1980 .....	969	48	81	121	196	189	202	78	30	24	360
1975 to 1978 .....	2 943	204	413	680	656	350	375	118	88	59	313
1970 to 1974 .....	1 814	349	538	410	216	125	98	44	22	12	252
1960 to 1969 .....	2 045	688	552	238	200	134	165	36	21	11	230
1959 or earlier .....	792	330	163	98	63	73	26	26	13	—	220
<b>ROOMS</b>											
1 to 3 rooms .....	18	14	—	4	—	—	—	—	—	—	114
4 rooms .....	367	184	81	37	42	13	10	—	—	—	200
5 rooms .....	1 885	532	449	362	273	157	87	25	—	—	246
6 rooms .....	3 250	676	827	640	421	307	277	57	27	18	260
7 rooms .....	1 750	128	275	342	379	228	212	110	35	41	317
8 or more rooms .....	1 293	85	115	162	216	166	280	110	112	47	371
Median .....	6.1	5.6	5.9	6.1	6.3	6.4	6.8	7.1	8.0	7.4	...
<b>YEAR STRUCTURE BUILT</b>											
1975 to March 1980 .....	173	—	—	9	6	—	66	40	33	19	514
1970 to 1974 .....	163	—	39	19	24	16	41	—	18	6	349
1960 to 1969 .....	636	98	110	106	67	86	86	27	17	39	303
1950 to 1959 .....	1 548	429	285	245	199	131	160	62	19	18	262
1940 to 1949 .....	1 554	241	301	368	263	151	134	67	23	6	282
1939 or earlier .....	4 489	851	1 012	800	772	487	379	106	64	18	274
<b>VALUE</b>											
Less than \$10,000 .....	144	58	64	22	—	—	—	—	—	—	211
\$10,000 to \$19,999 .....	981	368	299	180	55	41	38	—	—	—	220
\$20,000 to \$29,999 .....	2 261	615	661	457	274	145	96	13	—	—	239
\$30,000 to \$39,999 .....	2 271	397	374	520	544	233	136	41	26	—	285
\$40,000 to \$49,999 .....	1 268	138	239	219	219	201	195	27	19	11	309
\$50,000 to \$59,999 .....	600	37	67	80	93	122	121	53	21	6	359
\$60,000 to \$79,999 .....	589	6	36	69	103	90	156	77	40	12	395
\$80,000 to \$99,999 .....	221	—	7	—	43	29	77	27	26	12	453
\$100,000 to \$149,999 .....	185	—	—	—	—	10	47	64	27	37	555
\$150,000 or more .....	43	—	—	—	—	—	—	—	15	28	750+
Median .....	\$33 600	\$26 200	\$28 400	\$31 700	\$35 700	\$41 100	\$48 600	\$62 200	\$75 000	\$125 000	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Less than 15 percent .....	3 365	1 035	957	548	363	216	134	75	37	—	234
15 to 19 percent .....	1 999	174	343	504	346	252	225	91	39	25	298
20 to 24 percent .....	1 262	87	136	240	294	122	277	50	18	38	329
25 to 29 percent .....	585	71	83	118	128	86	68	10	14	7	308
30 to 34 percent .....	389	59	60	20	54	67	63	36	12	18	351
35 percent or more .....	927	181	164	117	146	124	93	40	44	18	301
Not computed .....	36	12	4	—	—	4	6	—	10	—	375
Median .....	17.2	13.1	14.3	17.2	19.4	19.3	21.3	19.2	21.7	23.7	...
<b>SELECTED CHARACTERISTICS</b>											
Heating equipment .....	8 544	1 619	1 747	1 541	1 318	871	866	302	174	106	279
Steam or hot water system .....	292	17	48	34	42	38	30	34	31	18	357
Central warm-air furnace or electric heat pump .....	7 775	1 505	1 584	1 422	1 205	780	797	262	137	83	278
Other built-in electric units .....	34	6	17	5	—	—	—	6	—	—	232
Floor, wall, or pipeless furnace .....	109	17	28	16	21	11	10	—	6	—	280
Other means .....	334	74	70	64	50	42	29	—	—	5	268
Air conditioning .....	3 336	590	653	479	534	317	422	142	111	88	294
Central system .....	1 121	125	136	123	153	93	206	106	103	76	363
1 or more individual room units .....	2 215	465	517	356	381	224	216	36	8	12	268
House heating fuel .....	8 544	1 619	1 747	1 541	1 318	871	866	302	174	106	279
Utility gas .....	8 363	1 608	1 709	1 529	1 313	860	833	269	142	100	278
Bottled, tank, or LP gas .....	16	5	—	—	5	6	—	—	—	—	330
Electricity .....	121	6	21	5	—	—	33	18	32	6	493
Fuel oil, kerosene, etc. .....	37	5	5	7	—	—	5	—	15	—	365
Other .....	7	—	7	—	—	—	—	—	—	—	225

**Table B-19. Selected Monthly Owner Costs for Not Mortgaged Housing Units With a White Householder: 1980**

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Canton city	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
<b>Specified owner-occupied housing units</b> -----	<b>8 726</b>	<b>29</b>	<b>778</b>	<b>2 403</b>	<b>2 745</b>	<b>1 501</b>	<b>939</b>	<b>203</b>	<b>128</b>	<b>111</b>
<b>PERSONS IN UNIT</b>										
1 person -----	2 387	7	457	767	679	262	166	30	19	99
2 persons -----	4 095	17	265	1 275	1 319	682	439	43	55	109
3 persons -----	1 153	5	46	172	409	295	148	59	19	122
4 persons -----	538	—	10	107	167	121	86	35	12	123
5 persons -----	378	—	—	66	125	107	40	23	17	125
6 persons -----	104	—	—	16	23	19	4	5	—	142
7 persons -----	35	—	—	—	6	15	8	—	6	144
8 or more persons -----	36	—	—	—	17	—	11	8	—	155
Median -----	1.98	1.94	1.35	1.84	2.03	2.22	2.19	2.98	2.32	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>										
<b>Married-couple families</b> -----	<b>5 094</b>	<b>5</b>	<b>204</b>	<b>1 339</b>	<b>1 653</b>	<b>1 069</b>	<b>599</b>	<b>138</b>	<b>87</b>	<b>115</b>
15 to 24 years -----	20	—	—	8	8	—	4	—	—	106
25 to 34 years -----	157	—	17	25	44	44	21	6	—	121
35 to 44 years -----	200	—	—	52	37	57	46	8	—	130
45 to 64 years -----	2 549	5	66	569	922	555	314	73	45	117
65 years and over -----	2 168	—	121	685	642	413	218	47	42	111
<b>Male householder, no wife present</b> -----	<b>821</b>	<b>135</b>	<b>261</b>	<b>233</b>	<b>72</b>	<b>94</b>	<b>26</b>	<b>—</b>	<b>102</b>	<b>119</b>
15 to 24 years -----	24	—	—	6	8	5	—	—	—	119
25 to 34 years -----	31	—	—	12	19	—	—	—	—	105
35 to 44 years -----	61	—	7	40	4	6	4	—	—	90
45 to 64 years -----	289	—	45	68	86	31	48	11	—	109
65 years and over -----	416	—	83	135	116	30	37	15	—	98
<b>Female householder, no husband present</b> -----	<b>2 811</b>	<b>24</b>	<b>439</b>	<b>803</b>	<b>859</b>	<b>360</b>	<b>246</b>	<b>39</b>	<b>41</b>	<b>104</b>
15 to 24 years -----	23	8	8	7	—	—	—	—	—	61
25 to 34 years -----	25	—	—	5	16	4	—	—	—	137
35 to 44 years -----	69	—	6	8	27	9	12	7	—	119
45 to 64 years -----	791	—	43	230	300	121	51	5	41	110
65 years and over -----	1 903	16	382	558	527	214	179	27	—	100
Median age -----	65.5	70.8	75.0	67.4	64.1	63.4	63.3	63.0	57.6	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>										
1979 to March 1980 -----	204	—	25	23	65	51	22	12	6	121
1975 to 1978 -----	554	—	58	158	186	90	49	13	—	108
1970 to 1974 -----	631	—	57	178	157	115	95	16	13	113
1960 to 1969 -----	1 796	13	147	449	481	318	273	79	36	115
1959 or earlier -----	5 541	16	491	1 595	1 856	927	500	83	73	109
<b>ROOMS</b>										
1 to 3 rooms -----	65	—	27	18	14	6	—	—	—	83
4 rooms -----	942	15	195	310	285	97	33	7	—	96
5 rooms -----	2 308	5	273	875	741	271	138	5	—	100
6 rooms -----	3 481	9	218	1 004	1 199	687	316	28	20	111
7 rooms -----	1 161	—	44	138	369	303	234	39	34	127
8 or more rooms -----	769	—	21	58	137	137	218	124	74	157
Median -----	5.8	4.5	5.1	5.5	5.8	6.0	6.4	8.0	8.4	...
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980 -----	32	—	—	4	7	7	14	—	—	143
1970 to 1974 -----	82	—	7	5	12	11	35	—	12	159
1960 to 1969 -----	371	5	31	48	74	60	98	48	7	136
1950 to 1959 -----	1 564	—	83	417	541	306	153	18	46	113
1940 to 1949 -----	1 690	—	123	504	513	324	182	18	26	111
1939 or earlier -----	4 987	24	534	1 425	1 598	793	457	119	37	108
<b>VALUE</b>										
Less than \$10,000 -----	491	9	124	149	129	42	22	16	—	94
\$10,000 to \$19,999 -----	1 661	12	337	576	421	192	84	33	6	96
\$20,000 to \$29,999 -----	2 228	—	148	785	796	312	163	19	5	106
\$30,000 to \$39,999 -----	1 972	—	125	631	742	338	125	5	6	108
\$40,000 to \$49,999 -----	1 097	8	32	151	415	336	137	18	—	122
\$50,000 to \$59,999 -----	547	—	12	96	175	125	132	—	7	124
\$60,000 to \$79,999 -----	473	—	—	15	61	149	197	25	26	153
\$80,000 to \$99,999 -----	151	—	—	—	6	7	68	26	44	196
\$100,000 to \$149,999 -----	92	—	—	—	—	—	11	54	27	232
\$150,000 or more -----	14	—	—	—	—	—	—	7	7	250
Median -----	\$29 900	\$17 000	\$17 400	\$25 800	\$30 300	\$35 800	\$44 700	\$62 900	\$90 600	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>										
Less than 10 percent -----	4 143	13	288	1 158	1 325	771	412	102	74	112
10 to 14 percent -----	1 666	9	129	533	485	283	190	23	14	108
15 to 19 percent -----	994	7	139	260	322	148	75	32	11	107
20 to 24 percent -----	615	—	74	168	174	108	65	21	5	109
25 to 29 percent -----	362	—	67	86	112	30	47	14	6	106
30 to 34 percent -----	185	—	13	72	80	14	6	—	—	102
35 percent or more -----	681	—	62	98	226	127	139	11	18	120
Not computed -----	80	—	6	28	21	20	5	—	—	107
Median -----	10.5	10.8	13.8	10.3	10.4	10—	11.4	10.0	10—	...
<b>SELECTED CHARACTERISTICS</b>										
<b>Hearing equipment</b> -----	<b>8 700</b>	<b>29</b>	<b>759</b>	<b>2 396</b>	<b>2 745</b>	<b>1 501</b>	<b>939</b>	<b>203</b>	<b>128</b>	<b>111</b>
Steam or hot water system -----	265	—	16	34	45	12	75	31	52	167
Central warm-air furnace or electric heat pump -----	8 061	20	718	2 256	2 594	1 410	815	172	76	110
Other built-in electric units -----	46	—	—	—	27	7	12	—	—	121
Floor, wall, or pipeless furnace -----	68	—	6	22	35	5	—	—	—	104
Other means -----	260	9	19	84	44	67	37	—	—	110
<b>Air conditioning</b> -----	<b>3 054</b>	<b>8</b>	<b>189</b>	<b>662</b>	<b>919</b>	<b>636</b>	<b>438</b>	<b>100</b>	<b>102</b>	<b>118</b>
Central system -----	966	—	12	105	258	227	216	70	78	137
1 or more individual room units -----	2 088	8	177	557	661	409	222	30	24	111
<b>House heating fuel</b> -----	<b>8 700</b>	<b>29</b>	<b>759</b>	<b>2 396</b>	<b>2 745</b>	<b>1 501</b>	<b>939</b>	<b>203</b>	<b>128</b>	<b>111</b>
Utility gas -----	8 473	29	723	2 335	2 700	1 477	901	192	116	111
Bottled tank or LP gas -----	27	—	—	—	7	—	—	—	—	92
Electricity -----	100	—	13	8	27	12	33	—	7	129
Fuel oil, kerosene, etc. -----	54	—	10	—	11	12	5	11	5	138
Other -----	46	—	13	33	—	—	—	—	—	83









Table B-23. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units With a White Householder: 1980  
 (Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B)

Canton city	Married-couple families				Male householder, no wife present				Female householder, no husband present				Median age		
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years and over			
<b>Owner-occupied housing units</b>	19 251	2 818	1 903	2 772	137	374	222	526	585	79	301	302	1 509	2 344	55.7
3 911	—	—	—	—	69	233	104	328	431	23	87	44	813	1 779	67.6
3 775	164	538	2 255	2 246	36	59	64	130	116	40	69	45	436	457	62.5
3 331	108	986	358	1 374	11	15	32	38	116	16	74	87	126	108	51.4
2 885	57	689	68	840	16	7	5	15	23	—	—	—	—	15	39.5
4 434	—	125	41	360	—	5	13	15	—	—	—	—	—	5	39.2
1 915	—	167	370	310	5	5	4	—	—	—	—	—	—	—	42.1
Median	2.50	3.69	2.10	2.10	1.49	1.20	1.61	1.30	1.18	1.91	2.42	3.21	1.43	1.16	—
Total persons	934	10 407	8 042	16 024	289	482	481	860	825	158	732	1 076	2 855	3 279	—
53 191	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>	19 176	2 818	1 903	2 717	137	324	222	520	568	79	301	302	1 505	2 337	55.6
Complete plumbing for exclusive use	308	74	121	98	6	5	4	6	17	—	—	—	4	—	41.0
Lacking complete plumbing for exclusive use	—	—	—	—	—	—	—	—	—	—	—	—	—	27	70.2
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>	17 289	2 655	1 761	2 471	98	260	201	428	470	60	273	272	1 292	2 062	55.2
With 0 mortgage	8 563	2 498	1 561	2 129	74	229	140	139	54	37	30	203	1 501	1 599	39.6
Less than 15 percent	3 365	44	795	352	20	42	76	73	73	9	25	35	105	25	44.5
15 to 19 percent	1 999	110	398	292	14	67	32	22	14	6	33	29	82	36	34.2
20 to 24 percent	1 262	506	187	151	18	58	31	43	14	6	43	35	82	2	33.9
25 to 29 percent	585	48	50	98	5	10	10	—	—	—	41	21	—	—	53
30 to 34 percent	389	7	103	60	—	40	6	9	12	3	21	13	31	5	38.2
35 percent or more	927	7	162	88	17	12	5	14	22	13	74	58	142	64	49.4
Not computed	36	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	17.2	—	14.9	24.0	—	20.5	14.6	14.6	32.9	22.9	27.1	24.7	23.7	25.6	38.9
<b>Not mortgaged</b>	8 726	20	200	2 549	24	31	61	289	416	23	25	69	701	1 903	65.3
Less than 10 percent	4 143	16	110	1 982	6	13	55	170	89	23	25	37	242	603	68.1
10 to 14 percent	666	34	14	673	13	7	30	30	775	—	—	—	291	291	70.4
15 to 19 percent	994	—	—	138	—	4	—	18	69	—	4	—	130	130	72.3
20 to 24 percent	615	7	—	67	—	—	—	6	41	—	—	—	38	38	74.6
25 to 29 percent	362	—	8	13	—	—	—	22	50	—	—	—	—	—	72.3
30 to 34 percent	185	—	7	6	—	—	—	16	16	—	—	—	—	—	70.3
35 percent or more	681	4	7	42	—	—	6	19	64	—	—	—	—	—	70.5
Not computed	80	—	—	—	—	7	8	—	—	—	—	—	—	—	—
Median	10.5	10	10	11.8	17.3	10	10	10	16.6	10	13.0	10	14.2	19.3	—
<b>Renter-occupied housing units</b>	11 697	1 275	453	784	617	745	293	537	384	874	1 254	587	1 060	1 498	36.2
5 197	—	—	—	—	400	550	222	428	333	433	568	204	691	1 368	51.2
2 persons	3 175	429	91	407	159	142	31	75	43	280	282	147	200	99	32.8
3 persons	1 725	391	65	174	39	26	2	18	8	126	236	113	107	25	29.8
4 persons	869	220	117	115	6	12	5	10	8	35	97	67	43	6	32.5
5 persons	416	129	97	59	—	13	—	6	—	—	37	27	—	—	34.5
6 or more persons	315	106	83	29	5	—	5	—	—	—	34	29	17	—	35.5
Median	1.71	2.60	3.03	2.46	1.27	1.18	1.16	1.13	1.08	1.51	1.71	2.11	1.27	1.05	—
Total persons	24 029	4 188	1 896	2 268	919	1 039	481	644	411	1 477	2 482	1 443	1 685	1 623	—
2 565	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
871	1 259	444	763	429	592	708	293	530	365	840	1 241	569	1 040	1 437	36.2
1.01 or more persons per room	185	80	16	3	—	5	—	6	—	7	15	12	21	—	33.0
Lacking complete plumbing for exclusive use	316	16	9	21	25	37	—	7	19	34	13	18	20	61	34.5
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.1
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>	11 541	1 264	443	747	612	729	293	537	376	874	1 254	571	1 042	1 489	35.9
Specified renter-occupied housing units	2 438	369	109	264	184	230	195	148	70	113	99	51	140	136	34.7
Less than 15 percent	1 878	69	89	112	106	115	29	107	46	161	178	59	198	137	34.2
15 to 19 percent	600	267	99	115	77	119	39	29	29	113	221	59	149	218	32.8
20 to 24 percent	1 200	129	33	72	27	49	7	44	21	149	173	71	141	151	36.2
25 to 29 percent	714	57	19	23	48	42	8	55	54	55	86	50	70	123	34.6
30 to 34 percent	1 368	98	47	68	68	68	6	117	53	85	158	70	79	123	45.4
35 to 49 percent	1 766	96	25	23	76	68	10	103	41	183	316	158	204	346	37.6
50 percent or more	24	41	22	70	9	18	37	—	—	15	23	8	61	63	53.1
Not computed	413	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	23.5	19.9	20.6	18.3	20.7	20.4	12.6	19.8	29.3	26.4	28.4	29.8	25.1	32.9	—





Table B - 26. **Gross Rent of Renter-Occupied Housing Units With a Black Householder: 1980**

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

**Canton city**

	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
<b>Specified renter-occupied housing units</b> .....	2 762	846	426	534	432	275	137	25	27	-	60	156
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families.....	620	73	107	122	104	76	74	17	18	-	29	190
15 to 24 years.....	91	12	26	11	19	10	13	-	-	-	-	157
25 to 34 years.....	232	36	15	68	36	27	21	8	12	-	9	179
35 to 44 years.....	104	7	12	37	29	6	13	-	-	-	-	188
45 to 64 years.....	127	6	28	6	20	22	13	9	6	-	17	225
65 years and over.....	66	12	26	-	-	11	14	-	-	-	3	139
Male householder, no wife present.....	494	153	53	119	95	33	29	4	-	-	8	170
15 to 24 years.....	69	20	13	6	10	12	4	4	-	-	-	193
25 to 34 years.....	123	-	12	59	32	11	9	-	-	-	-	196
35 to 44 years.....	84	26	7	19	13	7	12	-	-	-	-	173
45 to 64 years.....	145	54	10	26	40	3	4	-	-	-	8	164
65 years and over.....	73	53	11	9	-	-	-	-	-	-	-	66
Female householder, no husband present.....	1 648	620	266	293	233	166	34	4	9	-	23	144
15 to 24 years.....	281	94	25	54	53	53	-	-	-	-	-	177
25 to 34 years.....	158	158	132	105	108	37	14	4	9	-	-	149
35 to 44 years.....	222	70	25	42	46	19	12	-	-	-	8	163
45 to 64 years.....	322	127	48	64	16	53	5	-	-	-	9	136
65 years and over.....	256	171	36	28	8	4	3	-	-	-	6	70
Median age.....	35.4	45.0	34.2	33.3	32.1	33.2	36.5	28.5	33.1	-	54.6	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980.....	1 044	288	159	195	172	114	72	16	12	-	16	164
1975 to 1978.....	1 064	325	162	222	177	118	45	-	9	-	6	163
1970 to 1974.....	439	186	72	71	64	10	12	9	6	-	9	124
1960 to 1969.....	163	34	28	29	11	27	8	-	-	-	26	156
1959 or earlier.....	52	13	5	17	8	6	-	-	-	-	3	156
<b>ROOMS</b>												
1 room.....	71	45	14	5	7	-	-	-	-	-	-	66
2 rooms.....	102	28	18	36	20	-	-	-	-	-	-	166
3 rooms.....	472	212	85	93	50	23	6	-	-	-	3	121
4 rooms.....	650	302	128	103	39	65	7	-	6	-	-	122
5 rooms.....	743	188	107	173	132	63	40	12	5	-	23	163
6 rooms.....	452	39	67	84	102	84	65	4	1	-	6	219
7 or more rooms.....	272	32	7	40	82	40	19	9	15	-	28	221
Median.....	4.6	4.0	4.3	4.7	5.3	5.3	5.7	5.6	6.6	-	6.2	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979</b>												
All income levels in 1979.....	2 762	846	426	534	432	275	137	25	27	-	60	156
Complete plumbing for exclusive use.....	2 719	830	421	522	422	275	137	25	27	-	60	156
0.50 or less.....	1 547	513	229	303	239	169	54	4	5	-	31	152
0.51 to 1.00.....	1 100	303	185	211	167	96	78	21	22	-	17	160
1.01 to 1.50.....	50	14	-	3	9	20	5	-	-	-	9	217
1.51 or more.....	22	-	7	5	7	-	-	-	-	-	3	155
Lacking complete plumbing for exclusive use.....	43	16	5	12	10	-	-	-	-	-	-	171
0.50 or less.....	16	7	5	4	-	-	-	-	-	-	-	142
0.51 to 1.00.....	27	9	-	8	10	-	-	-	-	-	-	186
1.01 to 1.50.....	-	-	-	-	-	-	-	-	-	-	-	-
1.51 or more.....	-	-	-	-	-	-	-	-	-	-	-	-
Income in 1979 below poverty level.....	1 179	610	128	173	95	76	64	4	20	-	9	92
Complete plumbing for exclusive use.....	1 149	603	123	165	85	76	64	4	20	-	9	90
1.01 or more persons per room.....	21	-	7	5	9	-	-	-	-	-	-	157
Lacking complete plumbing for exclusive use.....	30	7	5	8	10	-	-	-	-	-	-	184
1.01 or more persons per room.....	-	-	-	-	-	-	-	-	-	-	-	-
<b>BEDROOMS</b>												
None.....	84	58	14	5	7	-	-	-	-	-	-	61
1.....	665	237	118	184	83	25	9	-	6	-	3	136
2.....	1 089	362	180	183	167	124	41	8	1	-	23	149
3.....	783	146	101	129	157	107	82	17	18	-	26	201
4.....	97	24	6	28	18	6	5	-	-	-	8	156
5 or more.....	44	19	7	5	-	13	-	-	-	-	-	124
<b>UNITS IN STRUCTURE</b>												
1, detached or attached.....	1 092	152	118	203	237	152	124	25	21	-	60	208
2.....	402	53	102	115	96	32	4	-	-	-	-	164
3 and 4.....	358	130	81	95	21	22	3	-	6	-	-	136
5 to 9.....	208	72	46	40	36	14	-	-	-	-	-	130
10 to 49.....	557	325	65	76	37	48	6	-	-	-	-	84
50 or more.....	145	114	14	5	5	7	-	-	-	-	-	65
Mobile home or trailer, etc.....	-	-	-	-	-	-	-	-	-	-	-	-
<b>YEAR STRUCTURE BUILT</b>												
1975 to March 1980.....	241	116	49	45	10	21	-	-	-	-	-	123
1970 to 1974.....	575	267	85	83	86	48	6	-	-	-	-	125
1960 to 1969.....	656	347	117	56	41	50	15	4	-	-	26	86
1950 to 1959.....	246	44	31	53	46	30	9	17	13	-	3	197
1940 to 1949.....	278	37	43	78	45	31	44	-	-	-	-	178
1939 or earlier.....	766	35	101	219	204	95	63	4	14	-	31	203
<b>STORIES IN STRUCTURE</b>												
1 to 3.....	2 634	759	414	505	432	275	137	25	27	-	60	159
4 or more.....	128	87	12	29	-	-	-	-	-	-	-	66
With elevator.....	110	87	12	11	-	-	-	-	-	-	-	61
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>												
Less than 15 percent.....	605	166	129	164	73	64	9	-	-	-	...	152
15 to 19 percent.....	506	220	43	78	99	29	29	8	-	-	...	129
20 to 24 percent.....	364	131	77	42	52	35	18	9	-	-	...	142
25 to 29 percent.....	227	71	41	52	48	15	-	-	-	-	...	154
30 to 34 percent.....	167	106	-	21	17	-	-	-	-	-	...	75
35 to 49 percent.....	231	30	42	55	64	33	3	4	-	-	...	182
50 percent or more.....	533	94	94	104	73	78	4	-	-	-	...	178
Not computed.....	129	28	-	18	6	4	-	-	13	-	60	154
Median.....	22.8	20.9	22.7	21.9	23.9	27.5	50+	22.5	50+	-	...	...
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment.....	2 762	846	426	534	432	275	137	25	27	-	60	156
Central heating system.....	2 549	840	389	457	410	242	108	25	18	-	60	152
Air conditioning.....	425	96	28	80	114	81	16	4	6	-	-	205
Central system.....	107	34	16	32	8	11	6	-	-	-	-	176







**Table B—29. Selected Monthly Owner Costs for Mortgaged Housing Units With a Black Householder: 1980**

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Canton city	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
<b>Specified owner-occupied housing units</b>	<b>1 309</b>	<b>246</b>	<b>313</b>	<b>280</b>	<b>190</b>	<b>104</b>	<b>123</b>	<b>37</b>	<b>9</b>	<b>7</b>	<b>267</b>
<b>PERSONS IN UNIT</b>											
1 person	172	53	38	49	19	13	—	—	—	—	243
2 persons	232	66	69	24	19	12	28	14	—	—	236
3 persons	256	81	39	58	51	13	10	4	—	—	257
4 persons	279	5	80	74	29	33	53	5	—	—	287
5 persons	206	29	47	24	50	33	10	6	—	—	303
6 persons	83	6	22	23	17	—	6	—	9	—	279
7 persons	41	6	8	11	—	—	8	—	—	—	280
8 or more persons	40	—	10	17	5	—	8	—	—	—	279
Median	3.48	2.55	3.63	3.62	3.71	3.92	3.94	3.60	6.00	5.00	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>											
<b>Married-couple families</b>											
15 to 24 years	850	141	165	177	147	75	92	37	9	7	284
25 to 34 years	21	—	7	7	—	—	7	—	—	—	275
35 to 44 years	202	15	61	49	18	14	33	12	—	—	276
45 to 64 years	226	17	26	52	60	33	23	8	—	—	315
65 years and over	306	81	51	50	47	22	29	17	9	—	271
Male householder, no wife present	95	28	20	19	22	6	—	—	—	—	249
15 to 24 years	110	38	27	33	5	7	—	—	—	—	231
25 to 34 years	—	—	—	—	—	—	—	—	—	—	—
35 to 44 years	26	7	7	—	5	7	—	—	—	—	243
45 to 64 years	8	8	—	—	—	—	—	—	—	—	125
65 years and over	35	4	16	15	—	—	—	—	—	—	242
Female householder, no husband present	41	19	4	18	—	—	—	—	—	—	219
15 to 24 years	349	67	121	70	38	22	31	—	—	—	244
25 to 34 years	—	—	—	—	—	—	—	—	—	—	—
35 to 44 years	65	—	23	7	19	16	—	—	—	—	307
45 to 64 years	146	20	59	48	6	—	13	—	—	—	245
65 years and over	92	21	29	10	13	6	13	—	—	—	243
Median age	44.0	55.3	42.5	42.7	42.7	38.0	41.4	39.1	52.5	42.5	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>											
1979 to March 1980	141	6	20	49	20	21	21	4	—	—	295
1975 to 1978	360	41	61	60	71	28	63	20	9	7	313
1970 to 1974	318	47	94	77	37	40	15	8	—	—	262
1960 to 1969	409	96	134	81	54	15	24	5	—	—	240
1959 or earlier	81	56	4	13	8	—	—	—	—	—	163
<b>ROOMS</b>											
1 to 3 rooms	17	—	11	—	—	—	6	—	—	—	239
4 rooms	38	19	14	—	—	—	5	—	—	—	200
5 rooms	350	61	86	68	87	6	30	12	—	—	271
6 rooms	469	124	124	71	44	60	35	11	—	—	245
7 rooms	254	29	43	80	44	19	24	6	9	—	284
8 or more rooms	181	13	35	61	15	13	29	8	—	—	285
Median	6.0	5.8	5.9	6.5	5.7	6.2	6.3	6.1	7.0	8.5+	...
<b>YEAR STRUCTURE BUILT</b>											
1975 to March 1980	21	6	—	—	—	6	—	—	9	—	388
1970 to 1974	11	—	—	—	—	—	—	—	—	—	325
1960 to 1969	152	17	—	—	11	—	—	—	—	—	281
1950 to 1959	209	27	48	18	29	15	13	12	—	—	304
1940 to 1949	252	46	41	33	42	18	37	11	—	—	276
1939 or earlier	664	150	175	169	65	45	46	14	—	—	252
<b>VALUE</b>											
Less than \$10,000	74	31	32	11	—	—	—	—	—	—	209
\$10,000 to \$19,999	306	121	73	60	28	21	3	—	—	—	222
\$20,000 to \$29,999	436	42	109	143	56	49	23	14	—	—	273
\$30,000 to \$39,999	252	38	54	45	62	7	46	4	—	—	288
\$40,000 to \$49,999	170	8	34	21	36	21	46	—	—	—	331
\$50,000 to \$59,999	14	—	—	—	8	6	—	—	—	—	344
\$60,000 to \$79,999	57	6	11	—	—	—	5	19	9	7	534
\$80,000 to \$99,999	—	—	—	—	—	—	—	—	—	—	—
\$100,000 to \$149,999	—	—	—	—	—	—	—	—	—	—	—
\$150,000 or more	—	—	—	—	—	—	—	—	—	—	—
Median	\$25 200	\$17 200	\$22 000	\$25 300	\$31 300	\$23 700	\$36 000	\$60 300	\$72 500	\$62 500	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Less than 15 percent	517	126	145	99	78	27	20	13	9	—	246
15 to 19 percent	310	44	95	74	27	27	29	14	—	—	261
20 to 24 percent	102	6	7	41	20	7	17	4	—	—	296
25 to 29 percent	81	17	14	25	7	8	10	—	—	—	269
30 to 34 percent	70	9	5	6	11	14	18	—	—	—	364
35 percent or more	217	39	47	35	40	21	29	6	—	—	282
Not computed	12	5	—	—	7	—	—	—	—	—	307
Median	17.1	14.3	15.6	17.8	17.5	19.6	23.7	17.0	12.5	32.5	...
<b>SELECTED CHARACTERISTICS</b>											
<b>Heating equipment</b>											
1 309	246	313	280	190	104	123	37	9	7	267	
Steam or hot water system	57	13	6	7	14	9	8	—	—	—	309
Central warm-air furnace or electric heat pump	1 088	203	266	242	140	82	110	29	9	7	265
Other built-in electric units	—	—	—	—	—	—	—	—	—	—	—
Floor, wall, or pipeless furnace	36	5	25	6	—	—	—	—	—	—	—
Other means	128	25	16	25	36	13	5	8	—	—	226
<b>Air conditioning</b>											
360	55	92	74	36	13	5	8	—	—	296	
Central system	118	12	34	16	32	36	19	9	7	272	
1 or more individual room units	242	43	58	58	8	13	8	11	9	7	291
<b>House heating fuel</b>											
1 309	246	313	280	190	104	123	37	9	7	267	
Utility gas	1 245	240	292	274	183	86	123	31	9	7	267
Bottled, tank, or LP gas	32	6	—	6	7	7	—	6	—	—	329
Electricity	32	—	21	—	—	—	—	—	—	—	238
Fuel oil, kerosene, etc.	—	—	—	—	—	11	—	—	—	—	—
Other	—	—	—	—	—	—	—	—	—	—	—

Table B—30. Selected Monthly Owner Costs for Not Mortgaged Housing Units With a Black Householder: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Canton city	Total									Medion (dollars)
	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more		
<b>Specified owner-occupied housing units</b> -----	<b>835</b>	<b>20</b>	<b>44</b>	<b>150</b>	<b>196</b>	<b>162</b>	<b>186</b>	<b>70</b>	<b>7</b>	<b>126</b>
<b>PERSONS IN UNIT</b>										
1 person -----	219	7	27	47	44	26	56	12	—	116
2 persons -----	289	—	10	77	80	46	59	10	7	118
3 persons -----	80	6	—	20	17	10	8	19	—	121
4 persons -----	112	7	—	—	38	33	19	15	—	133
5 persons -----	84	—	—	—	7	30	44	3	—	156
6 persons -----	28	—	—	—	6	11	—	11	—	143
7 persons -----	17	—	7	6	4	—	—	—	—	81
8 or more persons -----	6	—	—	—	—	6	—	—	—	138
Medion -----	2.19	3.00	1.31	1.86	2.17	3.40	2.13	3.18	2.00	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>										
<b>Married-couple families</b> -----	<b>415</b>	<b>—</b>	<b>7</b>	<b>70</b>	<b>115</b>	<b>99</b>	<b>94</b>	<b>30</b>	<b>—</b>	<b>129</b>
15 to 24 years -----	8	—	—	—	—	8	—	—	—	138
25 to 34 years -----	7	—	—	—	—	7	—	—	—	138
35 to 44 years -----	49	—	7	—	—	29	—	13	—	140
45 to 64 years -----	223	—	—	37	61	43	65	17	—	133
65 years and over -----	128	—	—	33	54	12	29	—	—	114
Medion -----	107	7	—	20	21	25	12	15	7	130
<b>Male householder, no wife present</b> -----	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>225</b>
15 to 24 years -----	9	—	—	—	—	9	—	6	—	138
25 to 34 years -----	12	—	—	—	—	6	6	—	—	150
35 to 44 years -----	32	—	—	15	5	5	6	6	—	130
45 to 64 years -----	48	7	—	5	21	5	—	3	7	114
65 years and over -----	313	13	37	60	60	38	80	25	—	119
Medion -----	7	7	—	—	—	—	—	—	—	50
<b>Female householder, no husband present</b> -----	<b>7</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>75</b>
15 to 24 years -----	12	6	—	—	6	—	18	—	—	167
25 to 34 years -----	24	—	—	—	29	23	50	25	—	155
35 to 44 years -----	140	—	—	13	19	15	12	—	—	90
45 to 64 years -----	130	—	37	47	19	15	—	—	—	...
65 years and over -----	59.3	32.5	73.3	68.6	63.9	52.5	56.8	56.3	85+	...
Medion age -----	—	—	—	—	—	—	—	—	—	—
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>										
1979 to March 1980 -----	38	—	7	—	10	7	6	8	—	132
1975 to 1978 -----	139	13	8	30	21	25	30	12	—	122
1970 to 1974 -----	120	—	10	12	29	18	36	8	7	138
1960 to 1969 -----	253	7	6	34	72	56	72	6	—	128
1959 or earlier -----	285	—	13	74	64	56	42	36	—	122
<b>ROOMS</b>										
1 to 3 rooms -----	—	—	—	—	—	—	—	—	—	—
4 rooms -----	67	7	14	19	5	14	8	—	—	91
5 rooms -----	241	13	10	58	64	47	38	11	—	115
6 rooms -----	298	—	13	64	73	41	77	30	—	125
7 rooms -----	150	—	7	3	40	36	28	29	7	142
8 or more rooms -----	79	—	—	6	14	24	35	—	—	145
Medion -----	5.9	4.7	5.3	5.5	5.9	6.0	6.1	6.3	7.0	...
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980 -----	16	—	—	8	—	—	—	8	—	150
1970 to 1974 -----	10	—	—	—	—	—	10	—	—	175
1960 to 1969 -----	69	13	—	10	16	18	12	—	—	118
1950 to 1959 -----	88	—	15	5	28	11	13	16	—	121
1940 to 1949 -----	99	—	—	23	10	25	31	10	—	141
1939 or earlier -----	553	7	29	104	142	108	120	36	7	124
<b>VALUE</b>										
Less than \$10,000 -----	124	—	—	41	6	23	54	—	—	141
\$10,000 to \$19,999 -----	340	7	14	47	96	71	66	32	7	127
\$20,000 to \$29,999 -----	202	6	20	35	65	28	25	23	—	115
\$30,000 to \$39,999 -----	88	—	10	21	10	24	23	—	—	128
\$40,000 to \$49,999 -----	45	7	—	6	—	16	8	8	—	140
\$50,000 to \$59,999 -----	16	—	—	—	11	—	5	—	—	118
\$60,000 to \$79,999 -----	20	—	—	—	8	—	5	7	—	170
\$80,000 to \$99,999 -----	—	—	—	—	—	—	—	—	—	—
\$100,000 to \$149,999 -----	—	—	—	—	—	—	—	—	—	—
\$150,000 or more -----	—	—	—	—	—	—	—	—	—	—
Medion -----	\$18 500	\$21 300	\$21 500	\$16 200	\$19 500	\$18 000	\$14 600	\$20 600	\$12 500	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>										
Less than 10 percent -----	278	13	7	66	42	92	40	18	—	128
10 to 14 percent -----	187	7	10	40	63	16	30	21	—	114
15 to 19 percent -----	99	—	8	6	14	26	26	19	—	146
20 to 24 percent -----	69	—	6	—	21	12	30	—	—	141
25 to 29 percent -----	23	—	13	5	—	5	—	—	—	72
30 to 34 percent -----	24	—	—	14	—	—	10	—	—	96
35 percent or more -----	94	—	—	12	16	11	36	12	7	161
Not computed -----	61	—	—	7	40	—	14	—	—	115
Medion -----	12.9	10	18.1	10.7	12.9	10	18.1	14.0	45.0	...
<b>SELECTED CHARACTERISTICS</b>										
<b>Heating equipment</b> -----	<b>835</b>	<b>20</b>	<b>44</b>	<b>150</b>	<b>196</b>	<b>162</b>	<b>186</b>	<b>70</b>	<b>7</b>	<b>126</b>
Steam or hot water system -----	20	—	—	—	4	—	—	16	—	219
Central worm-air furnace or electric heat pump -----	747	14	44	150	174	154	150	54	7	124
Other built-in electric units -----	22	6	—	—	—	8	—	—	—	141
Floor, wall, or pipeless furnace -----	16	—	—	—	—	—	16	—	—	175
Other means -----	30	—	—	—	18	—	12	—	—	121
Medion -----	123	—	—	12	20	40	44	7	—	143
<b>Air conditioning</b> -----	<b>34</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>6</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>162</b>
Central system -----	89	—	—	12	12	34	31	—	—	140
1 or more individual room units -----	835	20	44	150	196	162	186	70	7	126
Medion -----	785	14	37	150	196	148	171	62	7	124
<b>House heating fuel</b> -----	<b>835</b>	<b>20</b>	<b>44</b>	<b>150</b>	<b>196</b>	<b>162</b>	<b>186</b>	<b>70</b>	<b>7</b>	<b>126</b>
Utility gas -----	785	14	37	150	196	148	171	62	7	124
Bottled, tonk, or LP gas -----	43	6	7	—	—	14	8	8	—	140
Electricity -----	—	—	—	—	—	—	—	—	—	—
Fuel oil, kerosene, etc. -----	7	—	—	—	—	—	7	—	—	175
Other -----	—	—	—	—	—	—	—	—	—	—

Table B—31. Year Structure Built for Owner- and Renter-Occupied Housing Units With a Black Householder: 1980

[Data are estimates based on a sample. see Introduction. For meaning of symbols, see Introduction For definitions of terms, see appendixes A and B.]

Canton city	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
Occupied housing units	2 353	41	26	228	727	1 331	2 852	241	599	678	536	798
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families	1 373	29	26	116	422	780	636	56	131	120	127	202
15 to 24 years	29				7	22	91	16	30	8	24	13
25 to 34 years	225	6		4	54	161	232	20	51	35	69	57
35 to 44 years	281	8		41	120	112	114	13	7	26	9	59
45 to 64 years	589	15	26	68	159	321	127	3	30	30	16	48
65 years and over	249			3	82	164	72	4	13	21	9	25
Male householder, no wife present	276	12		17	127	120	494	30	71	117	100	176
15 to 24 years	6				6		6			18	12	30
25 to 34 years	46				24	22	123		27	11	51	34
35 to 44 years	35				17	10	84		18	27	7	32
45 to 64 years	88	12		8	33	39	145	7	11	36	24	67
65 years and over	101			5	47	49	73	14	15	25	6	13
Female householder, no husband present	704	7		95	178	431	1 722	155	397	441	309	420
15 to 24 years	7			7			318	17	53	114	52	82
25 to 34 years	84			20	36	28	583	40	127	166	119	131
35 to 44 years	170			40	40	90	222	13	88	66	25	30
45 to 64 years	244			6	71	167	329	50	67	47	53	112
65 years and over	199			22	31	146	270	35	62	48	60	65
Median age	51.8	47.3	54.1	44.5	48.8	53.7	35.2	43.6	35.8	34.2	32.6	37.9
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980	179	8		27	65	79	1 072	102	219	224	200	327
1975 to 1978	551	33	10	53	201	254	1 120	139	239	277	218	247
1970 to 1974	484		16	54	153	261	439		141	94	72	132
1960 to 1969	720			94	205	421	169			83	31	55
1959 or earlier	419				103	316	52				15	37
<b>ROOMS</b>												
1 room							71		23	19	8	21
2 rooms	6						102	8	51	17	26	
3 rooms	11				6		480	64	132	98	84	102
4 rooms	122	8		13	33	68	689	110	152	221	108	98
5 rooms	670	4	16	120	286	244	757	32	162	213	115	235
6 rooms	815	14	10	61	185	545	470	14	51	71	116	218
7 or more rooms	729	15		34	206	474	283	13	28	39	79	124
Median	6.0	6.1	5.3	5.3	5.6	6.1	4.6	3.9	4.1	4.4	4.9	5.3
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use	2 341	41	26	222	721	1 331	2 809	231	595	678	528	777
0.50 or less	1 321	12	16	95	368	830	1 585	145	280	348	312	500
0.51 to 1.00	945	29	10	122	315	469	1 152	76	308	311	206	251
1.01 to 1.50	61				38	23	50	10	7	12	7	14
1.51 or more	14			5		9	22			7	3	12
Lacking complete plumbing for exclusive use	12			6	6		43	10	4		8	21
0.50 or less	6			6	6		16		4			12
0.51 to 1.00	6			6			27	10			8	9
1.01 to 1.50												
1.51 or more												
<b>PERSONS IN UNIT</b>												
1 person	429	12		18	136	263	924	104	216	202	178	224
2 persons	566		16	68	170	312	655	42	125	138	115	235
3 persons	402			52	81	269	513	37	116	127	93	140
4 persons	408	14		51	154	189	360	25	42	113	82	98
5 persons	305	6	10	28	112	149	263	33	57	64	40	69
6 or more persons	243	9		11	74	149	137		43	34	28	32
Median	2.95	4.11	2.31	3.04	3.21	2.84	2.27	1.89	2.17	2.49	2.28	2.24
Total persons	7 265	148	91	774	2 234	4 018	7 406	514	1 441	1 830	1 315	2 306
<b>UNITS IN STRUCTURE</b>												
1, detached or attached	2 237	37	26	228	677	1 269	1 182	34	125	230	302	491
2	41				16	25	402	76	100	31	74	121
3 and 4	28				13	15	358	3	37	110	97	111
5 to 9	29				15	14	208	14	115	24	28	27
10 to 49	14				6	8	557	69	167	246	31	44
50 or more							145	45	55	37	4	4
Mobile home or trailer, etc.	4	4										
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment	2 353	41	26	228	727	1 331	2 852	241	599	678	536	798
Steam or hot water system	102				42	60	382	65	36	167	49	65
Central warm-air furnace or electric heat pump	2 004	41	26	194	573	1 170	1 901	124	371	402	386	618
Other built-in electric units	22			14		8	314	29	178	64	34	4
Floor, wall, or pipeless furnace	52				8	44	35			11	10	9
Other means	173			20	104	49	220	13	14	34	57	102
Air conditioning	535	15		71	217	232	433	67	169	74	50	73
Central system	176	15		33	84	44	107	21	51	29		6
1 or more individual room units	359			38	133	188	326	46	118	45	50	67
House heating fuel	2 353	41	26	228	727	1 331	2 852	241	599	678	536	798
Utility gas	2 232	23	26	214	675	1 294	2 257	187	355	492	473	750
Bottled, tank, or LP gas	35				29	7	36			18		18
Electricity	79	18		14	23	24	521	46	244	160	53	18
Fuel oil, kerosene, etc.							8			8		
Other	7					7	30				10	12
Income in 1979 below poverty level	372	10		36	120	206	1 224	8	117	262	180	275
Percent below poverty level	15.8	24.4		15.8	16.5	15.5	42.9	48.5	43.7	57.5	33.6	34.5
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000	342	10		31	89	212	1 180	118	250	345	179	288
\$5,000 to \$9,999	358		5	11	104	238	660	59	120	179	123	179
\$10,000 to \$12,499	182			9	78	95	172	7	37	25	35	68
\$12,500 to \$14,999	160		11	18	53	78	149	16	45	15	25	48
\$15,000 to \$19,999	361	8		36	108	209	336	15	65	59	80	117
\$20,000 to \$24,999	320			40	108	172	167	3	43	37	43	41
\$25,000 to \$34,999	333	14		27	115	177	125	10	27		31	57
\$35,000 to \$49,999	226			33	62	131	63	13	12	18	20	
\$50,000 or more	71	9	10	23	10	19						
Median	\$16 586	\$25 781	\$14 318	\$20 900	\$16 863	\$15 837	\$6 515	\$5 260	\$6 743	\$4 918	\$7 703	\$7 478
Mean	\$18 751	\$25 100	\$26 667	\$24 202	\$18 505	\$17 602	\$9 598	\$8 989	\$9 738	\$7 665	\$11 209	\$10 236

Table B-32. Units in Structure for Owner- and Renter-Occupied Housing Units With a Black Householder:

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Canton city

Main data table with columns for Owner-occupied housing units and Renter-occupied housing units, categorized by total units, detached/attached, and mobile homes. Rows include household type (Married-couple, Female householder), year moved, plumbing facilities, bedrooms, household income, and selected characteristics like heating equipment and vehicle availability.



Table B — 34. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units With a Black Householder: 1980

Canton city	Mortgage status and age of householder for owner- and renter-occupied housing units with a black householder: 1980										Median age
	Mortgage status and age of owner-occupied housing units					Mortgage status and age of renter-occupied housing units					
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	
<b>Owner-occupied housing units</b>											
<b>PERSONS IN UNIT</b>											
1 person	429	166	24	186	166	6	29	21	52	65	199
2 persons	566	222	19	222	222	6	9	—	20	13	121
3 persons	408	147	60	147	147	—	—	—	4	9	106
4 persons	303	89	95	89	89	—	8	—	6	3	42
5 persons	243	50	60	50	50	—	—	—	7	13	46
6 or more persons	273	14	83	14	14	—	—	—	6	3	59
Median	2,793	3,977	4,544	3,224	2,255	1.00	1.29	1.33	1.35	1.28	1.88
Total persons	7,263	854	1,134	2,180	640	8	98	133	200	262	486
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	2,341	225	281	583	249	6	46	35	88	101	244
1.01 or more persons per room	75	11	19	18	—	—	—	—	—	—	11
Lacking complete plumbing for exclusive use	12	—	—	6	—	—	—	—	—	—	4
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
With a mortgage	2,144	209	275	529	223	6	35	20	67	89	176
Less than 15 percent	1,309	202	121	306	95	—	26	8	35	41	46
15 to 19 percent	517	117	59	188	111	—	7	—	4	7	6
20 to 24 percent	102	39	31	48	38	—	14	—	15	11	17
25 to 29 percent	81	8	6	8	5	—	—	—	6	4	5
30 to 34 percent	70	8	7	18	6	—	—	—	6	4	4
35 percent or more	217	8	7	38	35	—	—	—	10	13	3
Not computed	12	—	—	—	—	—	—	—	—	—	—
Median	17.1	14.5	14.5	13.4	19.8	—	20.4	10	19.5	23.4	19.0
Net mortgage	835	77	97	223	128	6	9	12	32	48	140
Less than 10 percent	278	7	14	45	27	—	9	6	21	12	69
10 to 14 percent	187	14	8	29	15	—	—	—	11	4	20
15 to 19 percent	99	8	8	18	25	—	—	—	3	3	—
20 to 24 percent	69	—	—	—	—	—	—	—	—	—	—
25 to 29 percent	23	—	—	—	—	—	—	—	—	—	—
30 to 34 percent	24	—	—	—	—	—	—	—	—	—	—
35 percent or more	94	—	—	—	—	—	—	—	—	—	—
Not computed	61	—	—	—	—	—	—	—	—	—	—
Median	12.9	10	10	10	18.0	17.5	10	12.0	10	20.6	14.3
<b>Renter-occupied housing units</b>											
<b>PERSONS IN UNIT</b>											
1 person	924	35	39	35	57	41	87	61	98	65	234
2 persons	655	13	69	13	42	20	18	5	38	8	176
3 persons	513	24	77	8	10	8	14	—	9	—	61
4 persons	360	27	33	19	5	—	4	—	—	—	35
5 persons	263	18	20	28	10	—	—	—	—	—	52
6 or more persons	137	—	—	—	—	—	—	—	—	—	44
Median	2,277	3,666	4,133	3,188	2,131	1.34	1.21	1.19	1.24	1.06	3.46
Total persons	7,406	983	419	445	217	125	204	148	211	78	813
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	2,809	232	114	127	67	69	123	76	145	73	329
1.01 or more persons per room	72	21	17	7	5	—	—	—	—	—	14
Lacking complete plumbing for exclusive use	43	—	—	—	—	—	—	—	—	—	—
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Specified renter-occupied housing units	2,762	232	104	127	66	69	123	84	145	73	222
Less than 15 percent	602	86	54	36	8	—	17	5	35	12	37
15 to 19 percent	506	54	12	6	6	1	37	18	22	25	98
20 to 24 percent	264	9	14	50	11	9	16	6	5	5	76
25 to 29 percent	227	7	14	9	9	13	16	7	11	11	52
30 to 34 percent	167	7	—	6	6	4	11	5	4	4	25
35 to 49 percent	221	20	10	3	20	4	25	17	25	10	41
50 percent or more	221	9	14	14	3	23	8	4	17	5	51
Not computed	179	25	—	17	3	23	4	12	11	12	7
Median	22.8	16.6	14.2	21.3	37.1	27.1	21.7	17.1	30.5	19.9	23.7

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]





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## REGIONS

Regions are large groups of States that form the first-order subdivisions of the United States for census purposes. The four regions are the Northeast, North Central, South, and West.

## STATES

The 50 States and the District of Columbia are the constituent units of the United States.

## PLACES

Two types of places are recognized in the census reports—incorporated places and census designated places—as defined below. Places with a 1980 population below 50,000 are not shown in this report unless they are central cities of standard metropolitan statistical areas.

### Incorporated Places

Incorporated places recognized in the reports of the census are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: boroughs in Alaska and New York, and towns in the six

New England States, New York, and Wisconsin.

### Census Designated Places

As in the 1950, 1960, and 1970 censuses, the Census Bureau has delineated boundaries for closely settled population centers without corporate limits. In 1980, the name of each such place is followed by “(CDP),” meaning “census designated place.” In the 1970 and earlier censuses, these places were identified by “(U),” meaning “unincorporated place.”

Census designated place boundaries change with changes in the settlement pattern; a place which has the same name as in previous censuses does not necessarily have the same boundaries. Boundary outlines for CDP’s appear on the county subdivision maps in the HC80-1-A, *General Housing Characteristics*, reports for States. Detailed maps are available for purchase from the Census Bureau.

Eleven states, (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, New Jersey, Pennsylvania, Rhode Island, Vermont, and Wisconsin), contain towns or townships which are coextensive with census designated places (CDP’s). Data for these areas are not shown in the tables.

### STANDARD METROPOLITAN STATISTICAL AREAS

#### Definition

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. The standard metropolitan statistical area (SMSA) classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on metropolitan areas. The SMSA’s are designated and defined

by the Office of Management and Budget, following a set of official published standards developed by the interagency Federal Committee on Standard Metropolitan Statistical Areas.

Each SMSA has one or more central counties containing the area’s main population concentration: an urbanized area with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close economic and social relationships with the central counties. The outlying counties must have a specified level of commuting to the central counties and must also meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, SMSA’s are composed of cities and towns rather than whole counties.

The housing units in SMSA’s may also be referred to as the metropolitan housing and are subdivided into “inside central city (or cities)” and “outside central city (or cities).” The housing units outside SMSA’s constitute the non-metropolitan housing.

In the United States Summary report and the State reports, the data shown for “Central Cities of SMSA’s” are the sum of all central cities excluding any rural area and any legal area that is outside of a standard metropolitan statistical area. In the individual SMSA reports, the data shown for central cities and places of 50,000 or more inhabitants are for the legal definition of the city without regard to urban or SMSA restrictions.

### SMSA Titles

Each SMSA except one (Nassau-Suffolk, N.Y.) has at least one central city. The titles of SMSA’s include up to three city names, as well as the name of each State into which the SMSA extends. For the 1980 census, central cities of SMSA’s are those named in the titles of the SMSA’s,

with the exception of Nassau-Suffolk, N.Y., which has no central city, and Northeast Pennsylvania, the central cities of which are Scranton, Wilkes-Barre, and Hazleton. Data on central cities of SMSA's include the entire population and housing within the legal city boundaries. In Hawaii where there are no incorporated places recognized by the Bureau of the Census, census designated places are recognized as central cities.

### New SMSA Standards

New standards for designating and defining metropolitan statistical areas were published in the *Federal Register* on January 3, 1980. The SMSA's recognized for the 1980 census comprise (1) all areas as defined on January 1, 1980, except for one area which was defined provisionally during the 1970's on the

basis of population estimates but whose qualification was not confirmed by 1980 census counts; and (2) a group of 36 new areas defined on the basis of 1980 census counts and the new standards that were published on January 3, 1980.

When the data on commuting flows become available from 1980 census tabulations, the new standards will be applied to the areas existing on January 1, 1980, and the boundaries, definitions, and titles for all SMSA's will be reviewed.

To aid users who want to become familiar with the SMSA standards and how they are applied, documents are available from the Office of Management and Budget, Washington, D.C. 20503.

### BOUNDARY CHANGES

The boundaries of some of the areas shown in this series of reports have

changed between an earlier census and January 1, 1980. Information on boundary changes for incorporated places is presented in table 4 of the 1980 Census of Population report, *Characteristics of the Population, Number of Inhabitants*, PC80-1-A. For information on boundary changes prior to 1970, see the *Number of Inhabitants* report for each census.

### AREA MEASUREMENT

Area measurement figures for standard metropolitan statistical areas, central cities, and places of 50,000 inhabitants or more can be found in the 1980 Census of Population report, PC80-1-A1, United States Summary.

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determinant for the responses was, therefore, the questionnaire and its accompanying instruction guide. Furthermore, census takers were instructed, in their telephone and personal-visit interviews, to read the questions directly from the questionnaire. The definitions and explanations given below for each subject are drawn largely from various technical and procedural materials used in the collection of the data. These materials helped the census interviewers to understand more fully the intent of each question, and thus to resolve problems or unusual cases in a manner consistent with this intent. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

Facsimiles of the questionnaire pages containing the population and housing questions used to produce the data shown in this report and the pages of the respondent instruction guide which relate to these questions are presented in Appendix E, "Facsimiles of Respondent Instructions and Questionnaire Pages."

### LIVING QUARTERS

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house, mobile home or trailer). However, living quarters may also be in structures intended for non-residential use (e.g., the rooms in a warehouse where a night guard lives), as well as in boats, tents, vans, etc.

**Housing Units**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied as a separate living quarters or, if vacant, intended for occupancy as a separate living quarters. Separate living quarters are those in which the occupants live and eat separately from

The 1980 census was conducted primarily through self-enumeration. The principal

any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants 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 next section on Group Quarters). For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing unit inventory except that boats, tents, vans, caves, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included, provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage are excluded from the housing inventory.

**Comparability With 1970 Census Housing Unit Data**—Although the 1980 census data are generally comparable with 1970 census data, certain changes were introduced for 1980. The part of the 1970 housing unit definition that required a unit to have either (1) direct access or (2) complete kitchen facilities was modified. For 1980, the complete kitchen facilities alternative was dropped, and direct access was required of all housing units. In 1970, vacant mobile homes were not counted as housing units. For 1980, they were included in the housing inventory provided they were intended for occupancy on the site where they stood.

**Group Quarters**—Group quarters are any living quarters which are not classified as housing units. There are two types of group quarters: (1) institutional group quarters, and (2) noninstitutional group quarters. Institutional group quarters are living quarters occupied by one or more persons under care or custody, such as children in an orphanage, persons in a nursing home, and prisoners in a penitentiary. Noninstitutional group quarters include living quarters such as college-owned and/or operated dormitories, fraternity and sorority houses, nurses' dormitories, and boarding houses. In addition, noninstitutional group quarters include any living

quarters (other than those classified as institutional group quarters) which are occupied by 9 or more persons unrelated to the householder (person listed in column 1 of the census questionnaire), or by 10 or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

**Comparability With 1970 Census Group Quarters Data**—In 1970 a unit was classified as group quarters if it was shared by the person in charge and five or more persons unrelated to him or her, or if there was no person in charge, by six or more unrelated persons. For 1980 that requirement was raised to 9 or more persons unrelated to the person listed in column 1 of the census questionnaire or 10 or more unrelated persons.

**Rules for Hotels, Rooming Houses, Etc.**—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 who have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have direct access, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain eight or fewer roomers unrelated to the householder, they are classified as one housing unit. If the combined quarters contain nine or more roomers unrelated to the householder or person in charge, they are classified as group quarters.

**Staff Living Quarters**—The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered as group quarters.

**Year-Round Housing Units**—Data on housing characteristics in the 1980 census reports are limited to year-round housing units; i.e., all occupied units plus vacant

units available or intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because of the difficulty of obtaining reliable data on their characteristics.

## OCCUPANCY AND VACANCY CHARACTERISTICS

**Occupied Housing Units**—A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; e.g., away on vacation. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, therefore, the number of occupied housing units equals the number of households in the 1980 Census of Population reports.

In this report the numbers shown for occupied housing units are estimates based on a sample. In some cases there may be small differences between figures on occupied housing units shown here and comparable figures on households in the Census of Population reports. These differences may result from processing procedures used to inflate the population and housing sample data.

**Householder**—One person in each household is designated as the "householder." In most cases, this is the person, or one of the persons, in whose name the home is owned or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member could be designated as the "householder."

**Child**—A child is a son, daughter, stepchild, or adopted child of the householder regardless of the child's age or marital status. The category excludes sons-in-law and daughters-in-law. In this report, those classified as "own children" are sons and daughters, including stepchildren and adopted children, of the householder who are single (never married) and under 18 years of age.

**Nonrelative**—A nonrelative is any person in the household not related to the householder by birth, marriage, or adoption. Roomers, boarders, partners, roommates, paid employees, wards, and foster children are classified as nonrelatives. This report shows the number of households with one or more nonrelatives present in the unit.

**Age of Householder**—The age classification is based on the age of the person in completed years as of April 1, 1980. The data on age represent the difference, as calculated in the computer, between date of birth and April 1, 1980.

**Household Type**—Statistics by age of householder are presented separately for the following household types:

*Married-couple families.* For each household of this type, the householder and his or her spouse are enumerated as members of the same household. This category includes couples in formal marriages as well as in common-law marriages.

*Male householder, no wife present.* This type includes any household maintained by a male, regardless of his marital status, provided no wife is present in the household. Included are male householders who have no wife; male householders whose wives live elsewhere because of separation (marital discord) or other reason; and male householders who are widowed, divorced, or single.

*Female householder, no husband present.* This type includes any household maintained by a female, regardless of her marital status, provided no husband is present in the household. Included are female householders who have no husband and female householders whose husbands live elsewhere, as, for example, husbands in the Armed Forces living on a military base and female householders who are widowed, divorced, or single.

This report presents data on selected characteristics for one-person households, separately for male and female householders.

**Year Householder Moved Into Unit**—Data presented for this item are based on the in-

formation reported for the householder and refer to the year of the latest move. If the householder moved back into a unit the person previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another in the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year in which a householder moved is not necessarily the same year as the year other members of the household moved, although in the majority of cases the entire household moved at the same time (see question H19 in appendix E).

**Vacant Housing Units**—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere are also classified as vacant.

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. Vacant units are excluded if they are open to the elements; i.e., the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

**Vacancy Status**—The data on vacancy status were tabulated from responses to questionnaire item C (see item C in appendix E). The data presented in this report are for year-round housing units "Vacant for sale only" and "Vacant for rent."

*For sale only.* Vacant year-round units being offered "For sale only," including individual units in cooperatives and condominium projects if the individual units are offered "For sale only."

*For rent.* Vacant year-round units offered "For rent," and vacant units offered either for rent or for sale.

**Duration of Vacancy**—The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration (see item D in appendix E). The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

**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. All other occupied units are classified as "Renter occupied," including units rented for cash rent and those occupied without payment of cash rent (see question H8 in appendix E).

**Condominium Housing Units**—A condominium involves ownership that enables a person to own an apartment or house in a development of similar units and to hold a common or joint ownership in common areas, hallways, entrances, elevators, etc. The owner has a deed to the individual unit, and, very likely, a mortgage on the unit. A condominium housing unit need not be occupied by the owner to be counted as such (see question H9 in appendix E).

**Comparability With 1970 Census Condominium Housing Unit Data**—In 1970, owner-occupied cooperatives and condominium housing units were identified together. The 1980 census identifies only condominium housing units. The 1980 question provides data on vacant and renter-occupied condominium housing units, not just owner-occupied condominium housing units as in 1970.

**Race of the Householder**—The data on race of the householder were derived from the answer to question 4, for the person listed in column 1 of the census questionnaire (see appendix E). The concept of race as used by the Census Bureau reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification, the data represent self-classification by people according

to the race with which they identify. In this report, data are presented for housing units classified by the race of the householder.

For persons who could not provide a single response to the race question, the race of the person's mother was used; if, however, a single response could not be provided for the person's mother, the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The category "White" includes persons who indicated their race as White, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire but entered a response such as Canadian, German, Italian, Lebanese, or Polish. In the 1980 census, persons who did not classify themselves in one of the specific race categories but marked "Other" and/or wrote in entries such as Cuban, Puerto Rican, Mexican, or Dominican were included in the "Other" race category. In the 1970 census, most of these persons were included in the "White" category.

The category "Black" includes persons who indicated their race as Black or Negro, as well as persons who did not classify themselves in one of the specific race categories listed in the questionnaire but reported entries such as Jamaican, Black Puerto Rican, West Indian, Haitian, or Nigerian.

The category "American Indian, Eskimo, or Aleut" includes persons who classified themselves as such in one of the specific race categories. In addition, persons who did not report themselves in one of the specific race categories but entered the name of an Indian tribe or wrote in such entries as Canadian Indian, French-American Indian, or Spanish-American Indian were classified as "American Indian."

The category "Asian or Pacific Islander" includes persons who indicated their race as Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, and Guamanian, as well as persons who provided write-in entries of Asian and Pacific Islander groups such as Cambodian, Laotian, Pakistani, or Fijian under the "Other" race category. Also, persons who did not classify themselves in one of the specific race categories but wrote in an entry indicating one of the nine specific categories listed above (e.g., Chinese or Filipino) were classified accordingly. For example, entries of Nipponese and

Japanese American were classified as Japanese, entries of Taiwanese and Cantonese as Chinese, etc. "Race, n.e.c." includes all other persons not in the categories "White," "Black," "American Indian, Eskimo, or Aleut," and "Asian or Pacific Islander." Persons reporting in the "Other" race category and providing write-in entries such as Eurasian, Cosmopolitan, Interracial, or a Spanish origin group (e.g., Mexican, Cuban, or Puerto Rican) were included in "Race, n.e.c."

If the race entry for the householder was missing on the questionnaire, an answer was assigned in the computer according to the reported entries of race of other household members using specific rules of precedence of household relationship. If race was not entered for anyone in the household (excluding paid employees), the race of a householder in a previously processed household was assigned. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

#### **Comparability Between Sample and 100-Percent Data for Race of the Householder**

Estimates of the number of householders by race shown in this report may differ from complete count figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and an additional edit and review performed on the sample questionnaires. Sampling variability and nonsampling error are explained in Appendix D, "Accuracy of the Data." The effect of the additional edit and review procedures varies substantially by racial group and geographic area but is generally negligible. A discussion of these procedures may be found in Series HC80-1-B, *Detailed Housing Characteristics*, and PC80-1-C, *Social and Economic Characteristics of the Population*.

#### **Comparability With 1970 Census Data on Race of the Householder**

Differences in census procedures and reporting by respondents in the 1980 census and 1970 census seriously affect the comparability for certain race groups. First, a large number of Spanish origin persons reported their race differently in the 1980 census than in the 1970 census. This difference in reporting has a substantial impact on the population totals and

comparability for the "White" population and the "Race, n.e.c." or "Other" race populations (shown as "All other races" in most 1970 publications). A much larger proportion of the Spanish origin population in 1980 than in 1970 reported their race in the questionnaire category "Other." Second, in 1970, most persons who marked the "Other" race category and wrote in a Spanish designation such as Mexican, Venezuelan, Latino, etc., were reclassified as "White." In 1980, such persons were not reclassified but remained in the "Other" race category. As a result of this procedural change and the differences in reporting by this population, the proportion of the Spanish origin population classified as "Other" race in the 1980 census was substantially higher than that in the 1970 census. Nationally in 1970, only 1 percent of the Spanish origin persons were classified as "Other" race and 93 percent as "White." The 1980 census sample data showed a much larger proportion—38 percent—of the Spanish origin persons reported their race as "Other" and only 58 percent reported "White." As a consequence of these differences, 1980 householder totals for "White" and "Race, n.e.c." are not comparable with corresponding 1970 figures.

The 1980 census was the first in which data were collected separately for Eskimos and Aleuts in all States. In 1970, these data were available only for Alaska. Since Eskimos and Aleuts are highly concentrated in Alaska, these changes do not seriously affect the comparability of 1980 and 1970 data for these racial groups at the national level.

The 1980 total for the Asian and Pacific Islander population reflects a high level of immigration during the 1970's as well as a number of changes in census procedures which were developed, in part, as a result of this high level of immigration. First, the number of Asian and Pacific Islander categories listed separately on the 1980 census questionnaire was expanded over that in 1970 to include four additional groups: Vietnamese, Asian Indian, Guamanian, and Samoan. Asian Indians were classified as "White" in 1970 but were included in the "Asian and Pacific Islander" category in 1980. The Vietnamese, Guamanian, and Samoan populations were included in the "Other" race

category in the 1970 census but were included in the "Asian and Pacific Islander" category in 1980. Second, "Other Asian and Pacific Islander" groups such as Cambodian, Laotian, Pakistani, and Fijian were identified and tabulated as Asian and Pacific Islander in sample tabulations in the 1980 census; in 1970, most of these groups were included in the "Other" race category.

In 1980, data were collected separately for Hawaiians and Koreans in all States, but in 1970 data for the two groups were not collected for Alaska. (On the 1970 census questionnaire used in Alaska, Eskimo and Aleut were substituted for these two categories.) Since the numbers of Hawaiians and Koreans were small in Alaska, this questionnaire change does not have a major impact on the comparability of the 1980 and 1970 data for Hawaiians and Koreans at the national level.

**Spanish/Hispanic Origin of the Householder**—The data on Spanish/Hispanic origin or descent of householder were derived from answers to question 7, for the person listed in column 1 of the census questionnaire (see appendix E).

Persons of Spanish/Hispanic origin or descent are those who reported either Mexican, Puerto Rican, Cuban, or other Spanish/Hispanic origin in question 7. Persons who reported "Other Spanish/Hispanic" origin are those whose origin is from Spain or the Spanish-speaking countries of Central or South America, or they are persons identifying their origin or descent as being Spanish, Spanish-American, Hispano, Latino, etc. Origin or descent can be regarded as the ancestry, nationality group, lineage, or country in which the person or person's parents or ancestors were born before their arrival in the United States. It is important to note that persons of Spanish origin may be of any race. In this report, data are presented for housing units classified by the Spanish origin of the householder.

Persons of more than one Spanish origin and persons of both a Spanish and another origin who were in doubt as to how to report a specific origin were classified according to the origin of the person's mother. If a single origin could not be provided for the person's mother, the first origin reported by the person was recorded.

If the householder failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer in the

sample edit operation according to available related information such as ancestry and place of birth reported for the householder. If such information was not reported, origin was assigned from entries of other household members using specific rules of precedence of household relationship. If no origin was reported for any household member (excluding a paid employee), then an origin was assigned from another household with a householder of the same race. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

**Limitations of the Data on Householders of Spanish/Hispanic Origin**—A preliminary evaluation study of the reporting in the 1980 census item on Spanish origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred mainly in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the North Central Region. Also, results based on available data suggest that the impact of potential misreporting of Mexican origin in the 1980 census is severe in those portions of the above-mentioned regions where the Spanish origin population is generally sparse. However, 1980 census data on the Mexican origin population or total Spanish origin population, at the national level, are not seriously affected by the reporting problem. For a more detailed discussion of the evaluation of the Spanish origin item, see the 1980 Population Census Supplementary reports, Series PC80-S1-7, "Persons of Spanish Origin by State: 1980."

**Comparability Between Sample and 100-Percent Data on Householders of Spanish/Hispanic Origin**—The data on householders of Spanish origin shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures performed for the Spanish origin item on the sample questionnaires. The data in this report are based on a sample, whereas certain other reports (e.g., the HC80-1-A series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

Information now available indicates that, since the effects of the more extensive edit were generally limited, the 100-percent tabulations are usually the preferable source for data on householders of Spanish origin. That is, in the case of figures available for Spanish origin groups, both in this report and for corresponding areas in the HC80-1-A report, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., units in structure, mortgage status and selected monthly owner costs, gross rent, etc.), the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

**Comparability With 1970 Census Data on Householders of Spanish Origin and Householders of Spanish Heritage**—The 1980 census figures on householders of Spanish origin are not directly comparable with the 1970 census data on householders of Spanish origin because of a number of factors; namely, overall improvements in the 1980 census, better coverage of the population, improved question design, and an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups. These efforts at census improvements explain, in part, the large increase in the number of Hispanics over 1970. Also, these efforts undoubtedly resulted in the inclusion of a sizable but unknown number of persons of Spanish/Hispanic origin who are in the country in other than legal status.

In the 1980 census Spanish origin question, specific changes in design from the 1970 question included the placement of the category "No (not Spanish/Hispanic)" as the first category in that question. (The corresponding category appeared last in the 1970 question.) Also, the 1970 category "Central or South American" was deleted from the 1980 question because in 1970 some respondents misinterpreted the category. Furthermore, the designations "Mexican-American" and "Chicano" were added to the Spanish origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population; in the 1980 census, the Spanish origin question was asked of everyone in the Nation.

The 1970 Census *Metropolitan Housing Characteristics* reports present data on housing units occupied by householders of Spanish heritage. In the 1970 census, the

category Spanish heritage was created to consolidate data for Spanish ancestry persons in various parts of the United States. The Spanish heritage population, therefore, was specifically termed when reference was made to particular areas. For example, in five southwestern States (Arizona, California, Colorado, New Mexico, and Texas) the population of Spanish heritage was specified as the population of Spanish language or surname; in three mid-Atlantic States (New York, New Jersey, and Pennsylvania), as the population of Puerto Rican birth or parentage; and in the remaining 42 States and the District of Columbia, as the population of Spanish language. The information for the population of Spanish heritage was obtained from the 15-percent sample of the census questionnaires. Data for this group of householders are not comparable to the 1980 census data on householders of Spanish origin which were based only on responses to the specific census question on Spanish/Hispanic origin for the person listed in column 1 of the census questionnaire.

### UTILIZATION CHARACTERISTICS

**Persons**—All persons occupying the housing unit are included. These persons include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, roommates, wards, foster children, and resident employees who share the living quarters of the householder. The data on "Persons in unit" show the number of housing units occupied by the specified number of persons. "Total persons" is the total number of persons living in the housing units in the particular category.

**Rooms**—The statistics on "Rooms" are in terms of the number of housing units with a specified number of rooms (see question H7 in appendix E). The intent of this question is to count the number of whole rooms used for living purposes. For each unit they include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling.

**Persons Per Room**—"Persons per room" is a derived measure obtained by dividing the

number of persons in each occupied housing unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

**Bedrooms**—The number of "Bedrooms" in the 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 sofa 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 (see question H24 in appendix E).

### STRUCTURAL CHARACTERISTICS

**Year Structure Built**—"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. For a houseboat or mobile home or trailer, the manufacturer's model year is assumed to be the year built. The figures shown in this report relate to the number of units in structures built during the specified periods and in existence at the time of enumeration (see question H18 in appendix E).

**Units in Structure**—A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings. The category "Mobile home or trailer, etc." includes mobile homes, trailers, boats, tents, vans, etc. (see question H13 in appendix E).

**Stories in Structure**—The count of stories (floors) in structure includes basements or attics if these contain finished rooms for living purposes (see question H14a in appendix E).

**Passenger Elevator**—Statistics on elevator in structure are presented for housing units in structures with four or more stories or floors. If the housing units in structures with four or

more stories have an elevator used only for freight, the units are not included in the category "With elevator" (see question H14b in appendix E).

### PLUMBING CHARACTERISTICS

**Plumbing Facilities**—The category "Complete plumbing for exclusive use" consists of units which have hot and cold piped water, a flush toilet, and a bathtub or shower inside the housing unit for the exclusive use of the occupants of the unit. "Lacking complete plumbing for exclusive use" includes those conditions when (1) all three specified plumbing facilities are present inside the unit, but are also used by another household; (2) some but not all the facilities are present; or (3) none of the three specified plumbing facilities is present (see question H6 in appendix E).

**Comparability With 1970 Census Plumbing Facilities Data**—In 1970, there were separate questions on the presence of hot and cold piped water, a bathtub or shower, and a flush toilet. For 1980, these three items were combined into a single question on plumbing facilities. In addition, the facilities must be inside the housing unit rather than inside the structure as in 1970.

### EQUIPMENT AND FUELS

**Heating Equipment**—Respondents were asked to report the type of heating equipment used as the primary source of heat for their housing unit. The categories shown in the report are: (1) steam or hot water system; (2) central warm-air furnace or electric heat pump; (3) other built-in electric units; (4) floor, wall, or pipeless furnace; and (5) other means. "Other means" includes room heaters with flue or vent that burn gas, oil, or kerosene; nonportable room heaters without flue or vent that burn gas, oil, or kerosene; and fireplaces, stoves, or portable room heaters of any kind that can be picked up and moved. A central heating system includes types (1) through (4) listed above. For vacant units which have had the heating equipment removed, the kind of equipment used by the previous occupants is considered to be the heating equipment for the unit (see question H20 in appendix E).

**Comparability With 1970 Census Heating Equipment Data**—In 1970, central



heat pumps were included as part of the category "Warm-air furnace" and individual room heat pumps were included in the category "Built-in electric units." In 1980, heat pumps have been combined and are included in this report in the category "Central warm-air furnace or electric heat pump."

**Air Conditioning**—"Air conditioning" is defined as the cooling of air by a refrigeration unit. It does not include evaporative coolers, fans, or blowers which are not connected to a refrigeration unit; however, it does include heat pumps. A central system is an installation which air conditions a number of rooms. In an apartment building, such a 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 system with individual room controls is a central system. 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 (see question H27 in appendix E).

**Vehicles Available**—Data for this item refer to the number of households with vehicles available at home for the use of the members of the household. Included in this item are passenger cars, pickup trucks, small panel trucks of one-ton capacity or less, as well as station wagons, company cars, and taxicabs kept at home for use of household members. Cars rented or leased for 1 month or more; police and government cars kept at home; and company vans and trucks of 1-ton capacity or less are also included if kept at home and used for nonbusiness purposes. Dismantled cars, immobile cars used as a source of power for some piece of machinery, and cars, vans, and trucks kept at home but used only for business purposes are excluded. The statistics do not reflect the number of vehicles privately owned or the number of households owning vehicles (see questions H28 and H29 in appendix E).

**Comparability With 1970 Census Automobiles Available Data**—In 1970, only data on the number of households with automobiles which were owned or regularly used by members of the household were obtained. Taxicabs, pickups, or large trucks were not counted. In 1980, the data on automobiles available include taxicabs if kept at home for use of household members but exclude pickups or larger trucks. Separate

data were obtained in 1980 on the number of housing units with vans or trucks of 1-ton capacity or less kept at home for use of members of the household.

**Fuels Used for House Heating and Water Heating**—"Utility gas" is gas piped through underground pipes from a central system that serves the neighborhood. "Bottled, tank, or LP gas" is stored in tanks which are refilled or exchanged when empty. "Fuel oil, kerosene, etc." includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids. For data on house heating fuel, the category "Other" includes any other fuel such as purchased steam, coal dust, briquettes made of pitch and sawdust, waste materials such as corn cobs, etc. For data on water heating fuel, the category "Other" also includes coal or coke, and wood (see question H21 in appendix E).

## FINANCIAL CHARACTERISTICS

**Value**—Value is the respondent's estimate of how much the property (house and lot) would sell for, if it were for sale (see question H11 in appendix E).

Value is tabulated for certain kinds of housing units. Value statistics are presented for "Specified owner-occupied" housing units. These "specified" housing units include only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. The "Specified owner-occupied" universes are the same for the value tabulation and the mortgage status and selected monthly owner costs tabulation.

**Price Asked**—For vacant for sale only housing units, the price asked is the amount asked for the property at the time of enumeration. The statistics on price asked are shown for "Specified vacant for sale only" housing units, which include vacant for sale only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data also exclude condominium units and mobile homes.

**Mortgage Status and Selected Monthly Owner Costs**—The data are presented for "Specified owner-occupied" housing units. These "specified" housing units include only

one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. Separate distributions of owner costs are shown for units "With a mortgage" and for units "Not mortgaged." Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.) (see questions H30, H31, and H32 in appendix E).

**Mortgage Status and Selected Monthly Owner Costs as a Percentage of Household Income in 1979**—Selected monthly housing costs is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same owner-occupied units for which selected monthly owner costs was tabulated; thus, the statistics reflect the exclusion of certain owner-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Rent**—The statistics on rent are tabulated for "Specified renter-occupied" housing units and for "Specified vacant for rent" housing units which include renter units except one-family houses on 10 or more acres. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the rent tabulations.

**Contract Rent.** "Contract rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included (see question H12 in appendix E).

**Gross Rent.** The computed rent termed "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are

paid for by the renter (or paid for the renter by someone else) in addition to rent. Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but are converted to monthly figures in the computation process (see questions H12 and H22 in appendix E).

**Rent Asked.** For "Specified vacant for rent" housing units, the rent asked is the amount asked for the rental of the unit at the time of enumeration.

**Gross Rent as a Percentage of Household Income in 1979**

—Monthly gross rent is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Household Income in 1979**—Household income is the sum of the money income of all persons 15 years old and over occupying the housing unit, including persons not related to the householder. Data on income are based on money income received in the calendar year 1979. Income is the algebraic sum of the amounts reported separately for wage and salary income; nonfarm net self-employment income; farm net self-employment income; interest, dividend, net rental or royalty income; Social Security or Railroad Retirement income; public assistance or welfare income; and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources were not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer's contributions for pensions, etc.; withdrawal of bank deposits, money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Although the income statistics cover the calendar year 1979, the composition of households refers to the time of enumeration (April 1, 1980). However, the composition of most households was the same during 1979 as in April 1980. There may be differences between the data on household income in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

**Median Income**—The median income values presented in this report are computed on the basis of more detailed income intervals than shown in the tables. Median income figures of \$30,000 or less are generally calculated using linear interpolation; all other median income amounts are derived through pareto interpolation.

**Comparability With 1970 Census Income Data**

—In 1970, the statistics on income presented in Series HC80-2, *Metropolitan Housing Characteristics* reports related to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Income of persons living in

the unit but not related to the head of household was not included. In 1980, the statistics on income relate to the income of the household, that is, the sum of the income of all persons 15 years old and over occupying a housing unit, including persons not related to the householder.

A discussion on comparability of income data from other sources including earlier censuses may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

**Poverty Status in 1979**

—Households are classified below the poverty level when the total 1979 income of the family or of the non-family householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual. The criteria used in the 1980 census differ slightly from those used in the 1970 census, which took into account the same three factors as well as sex of the family householder or unrelated individual and farm-nonfarm residence. In addition, for the 1980 census the thresholds by size of family were extended from seven or more persons to nine or more persons. The income cutoffs are updated each year to reflect the change in the Consumer Price Index. A more detailed explanation of the poverty definition may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

There may be slight differences between the data on poverty status in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

# Appendix B.—Definitions and Explanations of Subject Characteristics

## Thresholds at the Poverty Level in 1979 by Size of Family and Number of Related Children Under 18 Years

(Figures in dollars. For meaning of symbols, see Introduction)

Size of Family Unit	Weighted average thresholds	Related children under 18 years								
		None	1	2	3	4	5	6	7	8 or more
1 person (unrelated individual).....	3,686	3,686	...	...	...	...	...	...	...	...
Under 65 years.....	3,774	3,774	...	...	...	...	...	...	...	...
65 years and over.....	3,479	3,479	...	...	...	...	...	...	...	...
2 persons.....	4,723	4,723	...	...	...	...	...	...	...	...
Householder under 65 years.....	4,876	4,858	5,000	...	...	...	...	...	...	...
Householder 65 years and over.....	4,389	4,385	4,981	...	...	...	...	...	...	...
3 persons.....	5,787	5,674	5,839	5,844	...	...	...	...	...	...
4 persons.....	7,412	7,482	7,605	7,356	7,382	...	...	...	...	...
5 persons.....	8,776	9,023	9,154	8,874	8,657	8,525	...	...	...	...
6 persons.....	9,915	10,378	10,419	10,205	9,999	9,693	9,512	...	...	...
7 persons.....	11,237	11,941	12,016	11,759	11,580	11,246	10,857	10,429	...	...
8 persons.....	12,484	13,356	13,473	13,231	13,018	12,717	12,334	11,936	11,835	...
9 or more persons.....	14,812	16,066	16,144	15,929	15,749	15,453	15,046	14,677	14,586	14,024



# Appendix C.—General Enumeration and Processing Procedures

- USUAL PLACE OF RESIDENCE. . . C-1
  - Armed Forces. . . . . C-1
  - Crews of Merchant Vessels . . . . . C-1
  - Persons Away at School . . . . . C-1
  - Persons in Institutions . . . . . C-1
  - Persons Away From Their Residence on Census Day . . . . . C-1
  - Americans Abroad. . . . . C-2
  - Citizens of Foreign Countries. . . . . C-2

- DATA COLLECTION PROCEDURES. . . . . C-2
- PROCESSING PROCEDURES. . . . . C-2

## USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to the first U.S. census in 1790, each person enumerated in the 1980 census was counted as an inhabitant of his or her "usual place of residence," which is generally construed to mean the place where the person lives and sleeps most of the time. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of residence rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1). Persons without a usual place of residence, however, were counted where they happened to be staying.

### Armed Forces

Members of the Armed Forces living on a military installation were counted, as in every previous census, as residents of the area in which the installation was located; members of the Armed Forces not living on a military installation were counted as residents of the area in which

they were living. Family members of Armed Forces personnel were counted where they were living on Census Day (i.e., with the Armed Forces personnel or at another location, as the case might be).

Each Navy ship was attributed to the municipality that the Department of the Navy designated as its homeport, except for those ships which were deployed to the 6th or 7th Fleet on Census Day. As was done in the 1970 census, naval personnel aboard deployed ships were defined in the 1980 census as part of the overseas population, because deployment to the 6th or 7th Fleet implies a long-term overseas assignment.

In homeports with fewer than 1,000 naval personnel assigned to ships, the crews were counted aboard the ship. In homeports with 1,000 or more naval personnel assigned to ships, the naval personnel who indicated that they had a usual residence within 50 miles of the homeport of their ship were attributed to that residence.

When a homeport designated by the Navy was contained in more than one municipality, ships homeported and berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Other ships attributed by the Navy to that homeport, but which were not physically present and not deployed to the 6th or 7th Fleet on Census Day, were allocated to the municipality named on the Navy's homeport list.

### Crews of Merchant Vessels

Shipboard Census Reports were mailed to crews of merchant vessels through the ships' respective owner-operators based on lists of U.S. flag merchant vessels obtained from the Maritime Administration, U.S. Department of Commerce.

If the ship was berthed in a U.S. port on Census Day, the crew was enumerated as of that port. If the ship was

not berthed in a U.S. port but was inside the territorial waters of the United States, the crew was enumerated as of (a) the port of destination if that port was inside the United States or (b) the homeport of the ship if its port of destination was outside the United States. Crews of U.S. flag vessels which were outside U.S. territorial waters on Census Day and crews of vessels flying a foreign flag were not enumerated in the 1980 census.

### Persons Away at School

College students were counted as residents of the area in which they were living while attending college, as they have been since 1950. However, children in boarding schools below the college level were counted at their parental home.

### Persons in Institutions

Inmates of institutions, who ordinarily live there for considerable periods of time, were counted as residents of the area where the institution was located. Patients in short-term wards (general, maternity, etc.) of hospitals were counted at their usual place of residence; if they had no usual place of residence, they were counted at the hospital.

### Persons Away From Their Residence on Census Day

Persons in hotels, motels, etc., on the night of March 31, 1980, were requested to fill out a census form for assignment of their census information back to their homes if they indicated that no one was at home to report them in the census. A similar approach was used for persons visiting in private residences, as well as for Americans who left the United States during March 1980 via major intercontinental air or ship carriers for temporary travel abroad. In addition, information on persons away from their usual place of residence was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was expected to be

away during the whole period of the enumeration, information on that household was obtained from neighbors. A matching process was used to eliminate duplicate reports for persons who reported for themselves while away from their usual residence and who were also reported at this usual residence by someone else.

A special enumeration was conducted in such facilities as missions, flophouses, jails, detention centers, etc., on the night of April 6, 1980, and persons enumerated therein were counted as residents of the area in which the establishment was located.

### Americans Abroad

Americans who were overseas for an extended period (in the Armed Forces, working at civilian jobs, studying in foreign universities, etc.) were not included in the population of any State or the District of Columbia. On the other hand, Americans who were temporarily abroad on vacations, business trips, and the like were counted at their usual residence in the United States.

### Citizens of Foreign Countries

Citizens of foreign countries having their usual residence (legally or illegally) in the United States on Census Day, including those working here (but not living at an embassy, ministry, legation, chancellery, or consulate) and those attending school (but not living at an embassy, etc.), were included in the enumeration, as were members of their families living with them. However, citizens of foreign countries temporarily visiting or traveling in the United States or living on the premises of an embassy, etc., were not enumerated in the 1980 census.

## DATA COLLECTION PROCEDURES

The 1980 census was conducted primarily through self-enumeration. A census questionnaire was delivered by postal carriers to every housing unit several days before Census Day, April 1, 1980. This questionnaire included explanatory information and was accompanied by an instruction guide. Spanish-language versions of the questionnaire and instruction guide were available on request. The questionnaire

was also available in narrative translation in 32 languages.

In most areas of the United States, altogether containing about 95 percent of the population, the householder was requested to fill out and mail back the questionnaire on Census Day. Approximately 83 percent of these households returned their forms by mail. Households that did not mail back a form and vacant housing units were visited by an enumerator. Households that returned a form with incomplete or inconsistent information that exceeded a specified tolerance were contacted by telephone or, if necessary, by a personal visit, to obtain the missing information.

In the remaining (mostly sparsely settled) area of the country, which contained about 5 percent of the population, the householder was requested to fill out the questionnaire and hold it until visited by an enumerator. Incomplete and unfilled forms were completed by interview during the enumerator's visit. Vacant units were enumerated by a personal visit and observation.

Each housing unit in the country received one of two versions of the census questionnaire: a short-form questionnaire containing a limited number of basic population and housing questions or a long-form questionnaire containing these basic questions as well as a number of additional questions. A sampling procedure was used to determine those units which were to receive the long-form questionnaire. Two sampling rates were employed. For most of the country, one in every six housing units (about 17 percent) received the long form or sample questionnaire; in counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, prisons, military installations, and ships. These forms contained the population questions but did not include any housing questions. In addition to the regular census questionnaires, the Supplementary Questionnaire for American Indians was used in conjunction with the short form on Federal and State reservations and in the historic areas of

Oklahoma (excluding urbanized areas) for households that had at least one American Indian, Eskimo, or Aleut household member.

## PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 and 1960 censuses. They were designed to be processed electronically by the Film Optical Sensing Device for Input to Computer (FOSDIC). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire and transferred onto computer tape with no intervening manual processing. The computer tape did not include information on individual names and addresses.

The data processing was performed in two stages. For 100-percent data, all short forms, and pages 2 and 3 of the long forms (which have the same questions as the short form), were microfilmed, "read" by FOSDIC, and transferred onto computer tape for tabulation. For the sample data, the long form (or sample) questionnaires were processed through manual coding operations since some questions required the respondent to provide write-in entries which could not be read by FOSDIC. Census Bureau coders assigned alphabetical or numerical codes to the write-in answers in FOSDIC readable code boxes on each questionnaire. After all coding was completed, the long forms were microfilmed, and the film was "read" by FOSDIC and transferred onto computer tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps. Among the products of this operation were computer tapes from which the tables in this report (and most others in the 1980 census publications) were prepared on phototypesetting equipment at the Government Printing Office.

A more detailed description of the data collection and processing procedures can be obtained from the 1980 Census of Population and Housing, *Users' Guide*, PHC80-R1.

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**INTRODUCTION**

The data presented in this publication are based on the 1980 census sample. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete count result because they are subject to two basic types of error—sampling and nonsampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error is the result of all other errors that may occur during the collection and processing phases of the census. A more detailed discussion of both sampling and nonsampling error and a description of the estimation procedure are given in this appendix.

**SAMPLE DESIGN**

While every person and housing unit in the 1980 census was enumerated on a

questionnaire that requested certain basic demographic information (e.g., age, number of rooms in living quarters, monthly rent), a sample of persons and housing units was enumerated on a questionnaire that requested additional information. The basic sampling unit for the 1980 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Two sampling rates were employed. In counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 persons (based on precensus estimates), one-half of all housing units and persons in group quarters were to be included in the sample. In all other areas, one-sixth of the housing units or persons in group quarters were sampled. The purpose of this scheme was to provide relatively more reliable estimates for small areas. When both sampling rates were taken into account across the Nation, approximately 19 percent of the Nation’s housing units were included in the census sample.

The sample designation method depended on the data collection procedures. In areas containing about 95 percent of the population the census was taken by the mailout/mailback procedure. For these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

In non-mailout/mailback areas, a blank listing book with designated sample lines (every sixth or every second line) was prepared for the enumerator. Beginning about Census Day, the enumerator sys-

tematically canvassed the area and listed all housing units in the listing book in the order they were encountered. Completed questionnaires, including sample information for any housing unit which was listed on a designated sample line, were collected.

In both types of data collection procedure areas, an enumerator was responsible for a small geographic area known as an enumeration district, or ED. An ED usually represented the average workload area for one enumerator.

**ERRORS IN THE DATA**

Since the data in this publication are based on a sample, they may differ somewhat from complete-count figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. The method of calculating standard errors and confidence intervals for the data in this report is given below.

In addition to the variability which arises from the sampling procedures, both sample data and complete-count data are subject to nonsampling error. Nonsampling error may be introduced during each of the many extensive and complex

operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A more detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and complete-count data biased in that direction. For example, if respondents consistently tend to underreport their income, then the resulting counts of households or families by income category will be skewed toward the lower income categories. Such biases are not reflected in the standard error.

## Calculation of Standard Errors

**Totals and Percentages**—Tables A through D in this appendix contain the information necessary to calculate the standard errors of sample estimates in this report. In order to perform this calculation, it is necessary to know the unadjusted standard error for the characteristic, given in table A or B, that would result under a simple random sample design (of persons, families, or housing units) and estimation technique; the adjustment factor for the particular characteristic estimated, given in table C; and the number of housing units in the tabulation area and the percent of these in sample, given in table D. The adjustment factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1980 census.

To calculate the approximate standard error of an estimate for a geographic area, follow the steps given below:

- a. Obtain the unadjusted standard error from table A or B (or from the formula given below the table) for the estimated total or percentage, respectively.
- b. Find the geographic area with which you are working in table D and obtain the housing unit "percent in sample" figure for this area.
- c. Use table C to obtain the factor for the characteristics (e.g., air-

conditioning, year structure built) and the range that contains the percent-in-sample with which you are working. Multiply the unadjusted standard error by this factor. If the estimate is a cross-tabulation of more than one characteristic, use the largest factor.

As is evident from the formula below tables A and B, the unadjusted standard errors of zero estimates or of very small estimated totals or percentages approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. These estimated totals and percentages are, nevertheless, still subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate.

For estimated percentages that are less than 2 or greater than 98, use the *unadjusted* standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use an *unadjusted* standard error of 16.

An illustration of the use of the tables is given in a later section of this appendix.

**Differences**—The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference the tables are to be used somewhat differently in the following three situations:

- a. For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.
- b. For the difference between (or sum of) two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors  $Se_x$  and  $Se_y$  of estimates  $x$  and  $y$ :

$$Se_{(x+y)} = Se_{(x-y)} \doteq \sqrt{(Se_x)^2 + (Se_y)^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively)

correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or between a census sample and another survey. The standard error for estimates not based on the 1980 census sample must be obtained from an appropriate source outside of this publication.

- c. For the difference between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest.

**Means**—The standard error of a mean depends upon the variability of the distribution on which the mean is based, the size of the sample, the sample design (e.g., the use of households as a sampling unit), and the estimation procedure used.

An approximation to the standard error of the mean may be obtained as follows: compute the variance of the distribution on which the mean is based; multiply this value by five and divide the product by the total count of units in the distribution; obtain the square root of this quotient and multiply the result by the adjustment factor from table C that is appropriate for the characteristic on which the mean is based.

**Medians**—For the standard error of a median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as  $N/2$ ). Treat  $N/2$  as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and D. Compute the desired confidence interval about  $N/2$ . Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about  $N/2$ . By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, cumulate frequencies starting from



the highest value of the characteristic until the sum equals or exceeds the count in excess of the upper limit of the interval about  $N/2$ . Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

## Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1980 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

- (1) Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples; and
- (2) Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability or confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the complete count value).

Confidence intervals may also be constructed for the difference between two sample figures. This is done by computing the difference between these

figures, obtaining the standard error of the difference (using the formula given earlier), and then forming a confidence interval for this estimated difference as above. One can then say with specified confidence that this interval includes the difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this report do not include all portions of the variability due to nonsampling error that may be present in the data. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68 or 95 percent). Thus, some care must be exercised in the interpretation of the data in this publication based on the estimated standard errors.

For more information on confidence intervals and nonsampling error see any standard sampling theory text.

## Use of Tables to Compute Standard Errors

See appendix D of any 1980 Census of Housing, HC-80-1-B, *Detailed Housing Characteristics* report, for examples showing the computation of standard errors and the formation of confidence intervals.

## ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure which resulted in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units in the tabulation area which possessed the characteristic. Estimates of family or household characteristics were based on the weights assigned to the family members designated as householders. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value five, all characteristics of that person or housing unit would be tabulated with a weight of

five. The estimation procedure, however, did assign weights which vary from person to person or housing unit to housing unit.

The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas were generally formed of adjoining portions of geography, which closely agreed with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas were never allowed to cross state or county boundaries. In small counties with a sample count of less than 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in three stages. For persons, the first stage employed 17 household type groups. The second stage used two groups: householders and nonhouseholders. The third stage could potentially use 160 age-sex-race-Spanish origin groups. The stages were as follows:

### PERSONS

#### Stage I—Type of Household

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
6-10	Persons in Housing Units With a Family Without Own Children Under 18
	2 persons in housing unit through 8 or more persons in housing unit
11	Persons in All Other Housing Units
12-16	1 person in housing unit
	2 persons in housing unit through 8 or more persons in housing unit
17	Persons in group quarters

Stage II—Householder/  
Nonhouseholder

Group	
1	Householder
2	Nonhouseholder (including persons in group quarters)

Stage III—Age/Sex/Race/Spanish  
Origin

Group	White Race
	Persons of Spanish Origin
	Male
1	0 to 4 years of age
2	5 to 14 years of age
3	15 to 19 years of age
4	20 to 24 years of age
5	25 to 34 years of age
6	35 to 44 years of age
7	45 to 64 years of age
8	65 years of age or older
	Female
9-16	Same age categories as groups 1 to 8
	Persons Not of Spanish Origin
17-32	Same age and sex categories as groups 1 to 16
	Black Race
33-64	Same age-sex-Spanish origin categories as groups 1 to 32
	Asian, Pacific Islander Race
65-96	Same age-sex-Spanish origin categories as groups 1 to 32
	American Indian, Eskimo, or Aleut Race
97-128	Same age-sex-Spanish origin categories as groups 1 to 32
	Other Race (includes those races not listed above)
129-160	Same age-sex-Spanish origin categories as groups 1 to 32

Within a weighting area, the first step in the estimation procedure was to assign each sample person record an initial weight. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure was to combine, if necessary, the groups in each of the three stages prior to the repeated ratio estimation in order to increase the reliability of the ratio estima-

tion procedure. For the first and second stages, any group that did not meet certain criteria concerning the un-weighted sample count or the ratio of the complete count to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the third stage, the "Other" race category was collapsed with the "White" race category before the above collapsing criteria as well as an additional criterion concerning the number of complete count persons in each category were applied.

As the final step, the initial weights underwent three stages of ratio adjustment which used the groups listed above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight. In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Finally, the stage II weights were adjusted at stage III by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. The three stages of adjustment were performed twice (two iterations) in the order given above. The weights obtained from the second iteration for stage III were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight for the persons in a particular group was 7.2, then one-fifth of the sample persons in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

Separate weights were derived for tabulating the place of work and migration data items. The weights were obtained by adjusting the weight derived above for persons on questionnaires selected for coding by the reciprocal of the ED coding rate and a ratio adjustment to ensure that the sum of the weights and the complete count total population figure would agree.

The ratio estimation procedure for

housing units was essentially the same as that for persons. The major difference was that the occupied housing unit ratio estimation procedure was done in two stages and the vacant housing unit ratio estimation procedure was done in one stage. The first stage for occupied housing units employed 16 household-type categories and the second stage could potentially use 190 tenure-race-Spanish origin-value/rent groups. For vacant housing units, three groups were utilized. The stages for the ratio estimation for housing units were as follows:

## OCCUPIED HOUSING UNITS

## Stage I—Type of Household

Group	Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Housing Units With a Family Without Own Children Under 18
6-10	2 persons in housing unit through 8 or more persons in housing unit
	All Other Housing Units
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

Stage II—Tenure/Race and Origin  
of Householder/Value or Rent

Group	Owner
	White Race (householder)
	Persons of Spanish Origin (householder)
	Value of House
1	\$0 to \$9,999
2	\$10,000 to \$19,999
3	\$20,000 to \$24,999
4	\$25,000 to \$49,999
5	\$50,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000+
8	Other Owners
	Persons Not of Spanish Origin

9-16	Same value categories as groups 1 to 8	Other Race (includes those races not listed above)
17-32	<i>Black Race</i> Same value—Spanish origin categories as groups 1 to 16	169-190 Same rent—Spanish origin categories as groups 81 to 102
33-48	<i>Asian, Pacific Islander Race</i> Same value—Spanish origin categories as groups 1 to 16	<b>VACANT HOUSING UNITS</b>
49-64	<i>American Indian, Eskimo, or Aleut Race</i> Same value—Spanish origin categories as groups 1 to 16	<i>Group</i>
65-80	<i>Other Race (includes those races not listed above)</i> Same value—Spanish origin categories as groups 1 to 16	1 <i>Vacant for Rent</i> 2 <i>Vacant for Sale</i> 3 <i>Other Vacant</i>
81-90	<i>Renter</i> <i>White Race</i> <i>Persons of Spanish Origin</i> <i>Rent Categories</i>	The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial (unadjusted) weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete-count figures for the population and housing unit groups used in the estimation procedure.
91	\$1 to \$59 \$60 to \$99 \$100 to \$149 \$150 to \$199 \$200 to \$249 \$250 to \$299 \$300 to \$399 \$400 to \$499 \$500+ Other Renter No Cash Rent	<b>CONTROL OF NONSAMPLING ERROR</b>
92-102	<i>Persons not of Spanish origin</i> Same rent categories as groups 81 to 91	As mentioned above, nonsampling error is present in both sample and complete count data. If left unchecked, this error could introduce serious bias into the data, the variability of which could increase dramatically over that which would result purely from sampling. While it is impossible to completely eliminate nonsampling error from an operation as large and complex as the 1980 census, the Bureau of the Census attempted to control the sources of such error during the collection and processing operations. The primary sources of nonsampling error and the programs instituted for control of this error are described below. The success of these programs, however, was contingent upon how well the instructions were actually carried out during the census. To the extent possible, both the effects of these programs and the amount of error remaining after their application will be evaluated.
103-124	<i>Black Race</i> Same rent—Spanish origin categories as groups 81 to 102	
125-146	<i>Asian, Pacific Islander Race</i> Same rent—Spanish origin categories as groups 81 to 102	
147-168	<i>American Indian, Eskimo, or Aleut Race</i> Same rent—Spanish origin categories as groups 81 to 102	

**Undercoverage**—It is possible for some persons or housing units to be entirely missed by the census. This undercoverage of persons and housing units can introduce biases into the data. Several extensive programs were developed to focus on this important problem.

- The Postal Service reviewed mailing lists and reported housing unit addresses which were missing, undeliverable, or duplicated in the listings.
- The purchased commercial mailing list was updated and corrected by a complete field review of the list of housing units during a prec canvass operation.
- A record check was performed to reduce the undercoverage of individual persons in selected areas. Independent lists of persons, such as driver's license holders, were matched with the household rosters in the census listings. Persons not matched to the census rosters were followed up and added to the census counts if they were found to have been missed.
- A recheck of units initially classified as vacant or nonexistent was utilized to further reduce the undercoverage of persons.

More extensive discussions of programs developed to reduce undercoverage will be published as the analyses of those programs are completed.

**Respondent and Enumerator Error**—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error by offering incorrect or incomplete information. To reduce this source of error, questions were phrased as clearly as possible based on precensus tests and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency and followed up as necessary. For example, if the source of water item was incomplete for a housing unit, long-form field edit procedures would recognize the situation, and a follow-up attempt to obtain the information would be made.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect sample data for

households that were not designated as part of the sample. To control these problems, the work of enumerators was carefully monitored. Field staff were prepared for their tasks by using standardized training packages which included experience in using census materials. A sample of the households interviewed by enumerators for nonresponse was reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

**Processing Error**—The many phases of processing the census represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

**Nonresponse**—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any allocation procedure using respondent data may not completely reflect this difference either at the element level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing

nonresponse. In the census, nonresponse was substantially reduced during the field operations by the various edit and follow-up operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were allocated by the computer using reported data for a person or housing unit with similar characteristics. The allocation procedure is described below.

### EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for omissions and certain inconsistencies by a census clerk or an enumerator and, if necessary, a followup was made to obtain missing information. In addition, a similar review of questionnaires was done in the central processing offices. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in computerized editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or housing unit or merely spurious marks. If any characteristic for a housing unit was still missing when the questionnaires reached the central processing offices, it was supplied by allocation. Allocation, or assignments of acceptable codes in place of unacceptable entries, were

needed most often when an entry for a given item was lacking or when the information reported for a particular item was inconsistent with another item for the same housing unit. As in previous censuses, allocations or the assignment of acceptable entries were used to replace blanks or unacceptable entries. The allocation procedure was based on using information reported for another housing unit with characteristics similar to those of the housing unit for which allocation was necessary. For example, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit. The assignment of acceptable codes in place of blanks or unacceptable entries is designed to enhance the usefulness of the data.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

### ALLOCATION TABLES

The extent of allocations for nonresponses and inconsistencies for individual subject items is given for SMSA's and places in the 1980 Census of Population PC80-1-B and PC80-1-C reports and in the 1980 Census of Housing HC80-1-A and HC80-1-B reports.

**Table A. Unadjusted Standard Errors for Estimated Totals**

[Based on a 1-in-6 simple random sample]

Estimated Total 1/	Size of publication area 2/													
	500	1 000	2 500	5 000	10 000	25 000	50 000	100 000	250 000	500 000	1 000 000	5 000 000	10 000 000	25 000 000
50.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100.....	20	21	22	22	22	22	22	22	22	22	22	22	22	22
250.....	25	30	35	35	35	35	35	35	35	35	35	35	35	35
500.....	-	35	45	45	50	50	50	50	50	50	50	50	50	50
1 000.....	-	-	55	65	65	70	70	70	70	70	70	70	70	70
2 500.....	-	-	-	80	95	110	110	110	110	110	110	110	110	110
5 000.....	-	-	-	-	110	140	150	150	160	160	160	160	160	160
10 000.....	-	-	-	-	-	170	200	210	220	220	220	220	220	220
15 000.....	-	-	-	-	-	170	230	250	270	270	270	270	270	270
25 000.....	-	-	-	-	-	-	250	310	340	350	350	350	350	350
75 000.....	-	-	-	-	-	-	-	310	510	570	590	610	610	610
100 000.....	-	-	-	-	-	-	-	-	550	630	670	700	700	710
250 000.....	-	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100
500 000.....	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570
1 000 000....	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190
5 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470
10 000 000....	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

1/ For estimated totals larger than 10 000 000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$Se (\hat{Y}) = \sqrt{5 \hat{Y} (1 - \frac{\hat{Y}}{N})}$$

N = Size of area  
 $\hat{Y}$  = Estimate of characteristic total

2/ The total count of housing units in the area.

**Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentages**

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage 1/													
	500	750	1 000	1 500	2 500	5 000	7 500	10 000	25 000	50 000	100 000	250 000	500 000	
2 or 98.....	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	
5 or 95.....	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1	
10 or 90.....	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1	
15 or 85.....	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1	
20 or 80.....	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1	
25 or 75.....	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1	
30 or 70.....	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.2	
35 or 65.....	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.2	
50.....	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.2	

1/ For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error.

$$Se (\hat{p}) = \sqrt{\frac{5}{B} \hat{p} (100 - \hat{p})}$$

B = Base of estimated percentage  
 $\hat{p}$  = Estimated percentage

Table C Standard Error Adjustment Factors

Percent of persons or housing units in sample

Characteristic	Less than 19 Percent	19 to 33 Percent	More than 33 Percent
Household type.....	1.0	0.9	0.5
Age and sex of householder.....	1.0	1.0	0.5
Occupancy status.....	1.1	0.9	0.5
Vacant price asked and vacant rent asked..	1.1	0.8	0.5
Tenure.....	1.1	0.9	0.5
Units in structure.....	1.1	1.0	0.6
Stories in structure.....	0.9	0.7	0.4
Passenger elevator.....	0.8	0.7	0.4
Persons in unit.....	1.0	0.9	0.5
Year structure built.....	1.0	0.9	0.5
Year householder moved into housing unit.....	1.0	0.9	0.5
Heating equipment and fuel.....	1.1	0.9	0.5
Number of bedrooms.....	1.1	0.9	0.5
Rooms.....	1.1	0.9	0.5
Telephone in housing unit.....	1.1	0.9	0.5
Air conditioning.....	1.1	1.0	0.5
Vehicles available.....	1.1	0.9	0.5
Gross rent and contract rent.....	1.1	0.9	0.5
Gross rent as a percentage of household income in 1979.....	1.1	0.8	0.5
Mortgage status and selected monthly owner costs.....	1.1	0.9	0.5
Household income.....	1.0	0.9	0.5
Poverty status: Housing.....	1.0	0.8	0.5
Existence of complete plumbing for exclusive use with 1.01 persons per room or more.....	1.0	0.8	0.5
Value.....	1.0	1.0	0.5

Table D. **Percent of Housing Units in Sample: 1980**

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

**The SMSA  
Places of 50,000 or More and  
Central Cities of SMSA's**

The SMSA .....  
**PLACES OF 50,000 OR MORE AND CENTRAL  
CITIES OF SMSA's**  
Canton city .....

Housing units	
100-percent count	Percent in sample
153 470	18.0
39 254	15.4





## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

### INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10

1. List in question 1 (on page 1), the names of all the people who usually live here. Then turn to pages 2 and 3 where there are columns to list up to seven persons. In the first column print the name of one of the household members in whose name this home is owned or rented. If no household member owns or rents the living quarters, list in the first column any adult household member who is not a roomer, boarder, or paid employee. Print the names of the other household members, if any, in the columns which follow, using question 1 as a checklist.
2. Fill a circle to show how each person is related to the person in column 1.  
  
A stepchild or legally adopted child of the person in column 1 should be marked **Son/daughter**. Foster children or wards living in the household should be marked **Roomer, boarder**.
3. Be sure to fill a circle for the sex of each person.
4. Fill the circle for the category with which the person most closely identifies. If you fill the **Indian (American)** or **Other** circle, be sure to print the name of the specific Indian tribe or specific group.
5. Enter age at last birthday in the space provided (enter "0" for babies less than one year old). Also enter month and year of birth, and fill the appropriate circles. For an illustration of how to complete question 5, see the example on pages 4 and 5. If age or month or year of birth is not known, give your best estimate.
6. If the person's only marriage was annulled, mark **Never married**.
7. A person is of Spanish/Hispanic origin or descent if the person *identifies* his or her ancestry with one of the listed groups, that is, Mexican, Puerto Rican, etc. Origin or descent (ancestry) may be viewed as the nationality group, the lineage, or country in which the person or the person's parents or ancestors were born.
8. Do not count enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college. A *public* school is any school or college which is controlled and supported primarily by a local, county, State, or Federal Government.
9. Fill only one circle. Mark the highest grade *ever* attended even if the person did not finish it. If the person is still in school, mark the grade in which now enrolled. Schooling received in foreign or ungraded schools should be reported as the equivalent grade or year in the regular American school system. If uncertain whether a Head Start program is for nursery school or kindergarten, mark the circle for **Nursery school**.

If the person skipped or repeated grades, mark the highest grade ever attended regardless of how long it took to get there. Persons who did not attend any college but who completed high school by finishing the 12th grade or by passing an equivalency test, such as the

General Educational Development (GED) examination, should fill the circle for the 12th grade.

10. Mark **Finished this grade (or year)** only if the person finished the *entire* grade or year marked in question 9 or if the highest grade was completed by passing a high school equivalency test.

### INSTRUCTIONS FOR QUESTIONS H4 THROUGH H12

- H4. Mark only one circle. *This address* means the house or building number where your living quarters are located.
- H5. Mark the second circle only if you *must* go through someone else's living quarters to get to your own.
- H6. Consider that you have hot water even if you have it only part of the time.  
  
Mark **Yes, but also used by another household** if someone else who lives in the same building, but is not a member of your household, also uses the facilities. Mark this circle also if the occupants of living quarters now vacant would also use the facilities in your living quarters.
- H7. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, or unfinished attics, unfinished basements, or other space used for storage.
- H8. Mark **Owned or being bought** if the living quarters are owned outright or are mortgaged. Also mark **Owned or being bought** if the living quarters are owned but the land is rented.  
  
Mark **Rented for cash rent** if any money rent is paid. Rent may be paid by persons who are not members of your household.  
  
**Occupied without payment of cash rent** includes, for example, a parsonage, military housing, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.
- H9. A *condominium* is housing in which the apartments or houses in a development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. The person owning a condominium very likely has a mortgage on the particular unit.
- H10b. A *commercial establishment* is easily recognized from the outside, for example, a grocery store or barber shop. A *medical office* is a doctor's or dentist's office regularly visited by patients.
- H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the

land. If this is a condominium unit, enter the estimated value for your living quarters and your share of the common elements.

**H12.** Report the rent agreed to or contracted for, even if the rent is unpaid or paid by someone else.

If rent is not paid by the month, change the rent to a monthly amount; and then fill the appropriate circle in question H12.

If rent is paid:	Multiply rent by:
By the day	30
By the week	4
Every other week	2

If rent is paid:	Divide rent by:
4 times a year	3
2 times a year	6
Once a year	12

#### INSTRUCTIONS FOR QUESTIONS H13 THROUGH H20

**H13.** Mark only one circle.

*Detached* means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall which goes from ground to roof.

Mark **A one-family house detached from any other house** when a mobile home or trailer has had one or more rooms added or built onto it; a porch or shed is not considered a room.

Count all occupied and vacant living quarters in the house or building, but not stores or office space.

**H14a.** Do not count unfinished basements or unfinished attics. However, a basement or attic with finished room(s) for living purposes should be counted as a story.

**H15a.** A *city or suburban* lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.

A *place* is a farm, ranch, or any other property, other than a city or suburban lot, on which this *residence* is located.

**H16.** If a well provides water for six or more houses or apartments, mark **A public system**. If a well provides water for five or fewer houses or apartments, mark one of the categories for *individual well*.

*Drilled wells*, or small diameter wells, are usually less than 1½ feet in diameter. *Dug wells* are generally hand dug and are wider.

**H17.** A *public sewer* is operated by a government body or a private organization. A *septic tank* or *cesspool* is an underground tank or pit used for disposal of sewage.

**H19.** The term *person in column 1* refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house is owned or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into *this* house or apartment.

**H20.** This question refers to the type of *heating equipment* and not to the fuel used.

An *electric heat pump* is sometimes known as a reverse cycle

system. It may be centrally installed with ducts to the rooms or individual heat pumps in the rooms.

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 and does not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a *portable room heater*.

#### INSTRUCTIONS FOR QUESTIONS H21 THROUGH H32

**H21.** *Gas from underground pipes* is piped in from a central system such as one operated by a public utility company or a municipal government. *Bottled, tank, or LP gas* is stored in tanks which are refilled or exchanged when empty. *Other fuel* includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.

**H22.** If your living quarters are rented, enter the costs for utilities and fuels only if you pay for them in addition to the rent entered in H12. If already included in rent, fill the appropriate circle.

The amounts to be reported should be for the past 12 months, that is, for electricity and gas, the monthly *average* for the past 12 months; for water and other fuels, the *total* amount for the past 12 months.

Estimate as closely as possible when exact costs are not known.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ( { ) the two utilities.

**H23.** The kitchen sink, stove, and refrigerator must be located in the building but do *not* have to be in the same room. Portable cooking equipment is not considered as a range or cook stove.

**H26.** Answer *Yes only* if the telephone is located *in* your living quarters.

**H27.** Count only equipment used to cool the air by means of a refrigeration unit.

**H28–H29.** Count company cars (including police cars and taxicabs) and company trucks that are regularly kept at home and used by household members. Do *not* count cars or trucks permanently out of working order.

**H30–H32.** Do not answer these questions if you live in a cooperative, regardless of the number of units in the structure.

**H30.** Report taxes for all taxing jurisdictions even if they are included in mortgage payment, not paid yet, paid by someone else, or are delinquent.

**H31.** When premiums are paid on other than a yearly basis, convert to a yearly basis and enter the yearly amount, even if no payment was made during the past 12 months.

**H32a.** The word "mortgage" is used as a general term to indicate all types of loans which are secured by real estate.

- b. A second or junior mortgage is also secured by real estate but has been made by the homeowner in addition to the first mortgage.
- c. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H12 to change it to a monthly amount.

**INSTRUCTIONS FOR QUESTIONS 11 THROUGH 14**

11. *For persons born in the United States:*  
Print the name of the State in which this person's mother was living when this person was born. For persons born in a hospital, do not give the State in which the hospital was located unless the hospital and the mother's home were in the same State or the location of the mother's home is not known. For example, if a person was born in a hospital in Washington, D.C., but the mother's home was in Virginia at the time of the person's birth, enter "Virginia."

*For persons born outside the United States:*  
Print the full name of the foreign country or Puerto Rico, Guam, etc., where the person was born. Use international boundaries as now recognized by the United States. Specify whether Northern Ireland or Ireland (Eire); East or West Germany; England, Scotland or Wales (not Great Britain or United Kingdom). Specify the particular island in the Caribbean, not, for example, West Indies.

12. This question is only for persons born in a foreign country. Fill the Yes, a naturalized citizen circle only if the person has completed the naturalization process and is now a citizen.
- If the person has entered the U.S. more than once, fill the circle for the year he or she came to stay permanently.

- 13a. Mark No, only speaks English if the person always speaks English at home; then skip to question 14.

Mark Yes if the person speaks a language other than English at home. Do not mark Yes for a language spoken only at school or if speaking ability is limited to a few expressions or slang.

- b. Print the non-English language spoken at home. If this person speaks two or more non-English languages at home and cannot determine which is spoken most often, report the first language the person learned to speak.

- c. Fill the circle that best describes the person's ability to speak English.

- (1) The circle Very well should be filled for persons who have no difficulty speaking English.
- (2) The circle Well should be filled for persons who have only minor problems which do not seriously limit their ability to speak English.
- (3) The circle Not well should be filled for persons who are seriously limited in their ability to speak English.
- (4) The circle Not at all should be filled for persons who do not speak English at all.

14. Print the ancestry group with which the person identifies. Ancestry (or origin or descent) may be viewed as the nationality group, the lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Persons who are of more than one origin and who cannot identify with a single group should print their multiple ancestry (for example, German-Irish).

Be specific; for example, if ancestry is "Indian," specify whether American Indian, Asian Indian, or West Indian. Distinguish Cape Verdean from Portuguese, and French Canadian from Canadian.

A religious group should not be reported as a person's ancestry.

**INSTRUCTIONS FOR QUESTIONS 15 THROUGH 20**

- 15a. Mark Yes, this house if this person lived in this same house or apartment on April 1, 1975, but moved away and came back between then and now. Mark No, different house if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different trailer site).

- b. If this person lived in a different house or apartment on April 1, 1975, give the location of this person's usual home at that time.

Part (1) If the person was living in the United States on April 1, 1975, print the name of the State. If the person did not live in the United States on April 1, 1975, print the full name of the foreign country or Puerto Rico, Guam, etc.

Part (2) If in Louisiana, print the parish name. If in Alaska, print the borough name. If in New York City — print the borough name if the county name is not known. If an independent city, leave blank.

Part (3) If in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island or Vermont, print the name of the town rather than the name of the village or city, unless the name of the town is unknown.

Part (4) Mark Yes if you know that the location is now inside the limits of a city, town, village or other incorporated place, even if it was not inside the limits on April 1, 1975.

- 17a. Mark Yes only if this person was on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard. Mark No if the person was in the National Guard or the reserves.

- b. Mark Yes if the person was attending a college or university either full or part time and was enrolled for credit toward a degree. Mark No if the person was taking only non-credit courses or was attending a vocational or trade school, such as secretarial school.

- c. Mark Yes, full time if the person worked full time (35 hours or more per week). Mark Yes, part time if the person worked part time (less than 35 hours per week). Mark No if the person only did unpaid volunteer work, housework or yard work at own home, or if the only work done was as a resident of an institution.

- 18a. Mark Yes if this person was ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. For persons in the National Guard or military reserve units, mark Yes only if the person was ever called to active duty; mark No if the only service was active duty for training.

- b. If this person served during more than one period, fill all circles which apply, even if service was for a short time.

19. The term "health condition" refers to any physical or mental problem which has lasted for 6 or more months. A serious problem with seeing, hearing, or speech should be considered a health condition. Pregnancy or a temporary health problem such as a broken bone that is expected to heal normally should not be considered a health condition.

20. Count all children born alive, including any who have died (even shortly after birth) or who no longer live with her.

**INSTRUCTIONS FOR QUESTIONS 21 THROUGH 26**

21. If the exact date of marriage is not known, give your best estimate.
- 22a. Mark **Yes** if the person worked, either full or part time, on any day of last week (Sunday through Saturday).

**Count as work:**

Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).

Work in own business, professional practice, or farm.

Any work in a family business or farm, paid or not.

Any part-time work including babysitting, paper routes, etc.

Active duty in Armed Forces.

**Do not count as work:**

Housework or yard work at home.

Unpaid volunteer work.

Work done as a resident of an institution.

- b. Give the *actual* number of hours worked at *all jobs last week*, even if that was more or fewer hours than usually worked.

23. If the person worked at several locations, but reported to the same location each day to begin work, print where he or she reported. If the person did not report to the same location each day to begin work, print the words "various locations" for 23a, and give as much information as possible in the remainder of 23 to identify the area in which he or she worked *most* last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), give the exact address of the location or branch where the person worked.

If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 23e and leave the other parts of 23 blank.

- 24a. Travel time is from door to door. Include time taken waiting for public transportation, picking up passengers in carpools, etc.

- b. Mark **Worked at home** for a person who works on a farm where he or she lives, or in an office or shop in the person's home.

- c. If the person was driven to work by someone who then drove back home or to a non-work destination, mark **Drive alone**.

- d. Do not include riders who rode to school or some other non-work destination.

25. If the person works only during certain seasons or on a day-to-day basis when work is available, mark **No**.

- 26a. Mark **Yes** if the person tried to get a job or to start a business or professional practice at any time in the last *four* weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.

- b. Mark **No, already has a job** if the person was on layoff or was expecting to report to a job within 30 days.

Mark **No, temporarily ill** if the person expects to be able to work within 30 days

Mark **No, other reasons** if the person could not have taken a job because he or she was going to school, taking care of children, etc.

**INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29**

27. Look at the instructions for 22a to see what to count as work. Mark **Never worked** if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm *and* (3) never served in the Armed Forces.

- 28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

- b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works*. Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

**Unacceptable**

**Acceptable**

Furniture company

Metal furniture manufacturing

Grocery store

Wholesale grocery store

Oil company

Retail gas station

Ranch

Cattle ranch

- c. Mark **Manufacturing** if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark **Wholesale trade** if the business mostly sells things to stores or other companies.

Mark **Retail trade** if the business mostly sells things (not services) to individuals.

Mark **Other** if the main activity of the employer is not making or selling things. Some examples of **Other** are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

- 29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

**Unacceptable**

**Acceptable**

Clerk

Production clerk

Helper

Carpenter's helper

Mechanic

Auto engine mechanic

Nurse

Registered nurse

- b. Print the most important things that the person does on the job. Some examples are shown on the census form.

INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33

30. If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle:

Mark **Local** government employee for a teacher working in an elementary or secondary public school.

- 31a. Look at the instructions for question 22a to see what to count as work.
- b. Count every week in which the person did any work at all, even for an hour.
- c. If the hours worked each week varied considerably, give the best estimate of the hours usually worked most weeks.
- d. Count every week in which the person did not work at all, but spent any time looking for work or on layoff from a job. *Looking for work* means trying to get a job or start a business or professional practice; *layoff* includes either temporary or indefinite layoff.
32. Fill the Yes or No circle for each part and enter the appropriate amount. If income from any source was received jointly by household members, report if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and mark **No** for the other person, unless the other person has additional income of the same type.
- a. Include sick leave pay. Do not include reimbursement for business

expenses and pay "in kind," (for example, food, lodging received as payment for work performed).

- b. Include net earnings (gross earnings minus business expenses) from a nonfarm business. If business lost money, write "Loss" above the amount.
- c. Include net earnings (gross receipts minus operating expenses) from a farm. If farm lost money, write "Loss" above the amount.
- d. Include interest and dividends credited to the person's account (for example, from savings accounts and stock shares), net royalties, and net income from rental property.
- e. Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.
- f. Include public assistance or welfare payments received from Federal, State, or local agencies. Do not include private welfare payments.
- g. Include all other regular payments, such as government employee retirement, union or private pensions and annuities; unemployment benefits; worker's compensation; Armed Forces allotments; private welfare payments; regular contributions from persons not living in the household; etc.

Do not include lump-sum payments received from the sale of property (capital gains), insurance policies, inheritances, etc.

33. If no income was received in 1979, fill the **None** circle. If total income was a loss, write "Loss" above the amount.

Please fill out this  
official Census Form  
and mail it back on  
Census Day,  
Tuesday, April 1, 1980

# 1980 Census of the United States

If the address shown below has the wrong apartment identification, please write the correct apartment number or location here					
DO	A1	A2	A4	A5	A6
				L	

## Your answers are confidential

By law (title 13 U.S. Code), census employees are subject to fine and/or imprisonment for any disclosure of your answers. Only after 72 years does your information become available to other government agencies or the public. The same law requires that you answer the questions to the best of your knowledge.

## Para personas de habla hispana

(For Spanish-speaking persons)  
SI USTED DESEA UN CUESTIONARIO DEL CENSO EN ESPAÑOL llame a la oficina del censo. El número de teléfono se encuentra en el encasillado de la dirección.

O si prefiere, marque esta casilla  y devuelva el cuestionario por correo en el sobre que se le incluye.

A message from the Director,  
Bureau of the Census . . .

We must, from time to time, take stock of ourselves as a people if our Nation is to meet successfully the many national and local challenges we face. This is the purpose of the 1980 census.

The essential need for a population census was recognized almost 200 years ago when our Constitution was written. As provided by article I, the first census was conducted in 1790 and one has been taken every 10 years since then.

The law under which the census is taken protects the confidentiality of your answers. For the next 72 years — or until April 1, 2052 — only sworn census workers have access to the individual records, and no one else may see them.

Your answers, when combined with the answers from other people, will provide the statistical figures needed by public and private groups, schools, business and industry, and Federal, State, and local governments across the country. These figures will help all sectors of American society understand how our population and housing are changing. In this way, we can deal more effectively with today's problems and work toward a better future for all of us.

The census is a vitally important national activity. Please do your part by filling out this census form accurately and completely. If you mail it back promptly in the enclosed postage-paid envelope, it will save the expense and inconvenience of a census taker having to visit you.

Thank you for your cooperation.

Please continue 

# How to fill out your Census Form

See the filled-out example in the yellow instruction guide. This guide will help with any problems you may have.

If you need more help, call the Census Office. The telephone number of the local office is shown at the bottom of the address box on the front cover.

Use a black pencil to answer the questions. Black pencil is better to use than ballpoint or other pens.

Fill circles "O" completely, like this ●

When you write in an answer, print or write clearly.

Make sure that answers are provided for everyone here.

See page 4 of the guide if a roomer or someone else in the household does not want to give you all the information for the form.

Answer the questions on pages 1 through 5, and then starting with pages 6 and 7, fill a pair of pages for each person in the household.

Check your answers. Then write your name, the date, and telephone number on page 20.

Mail back this form on Tuesday, April 1, or as soon afterward as you can. Use the enclosed envelope; no stamp is needed.

Please start by answering Question 1 below.

## Question 1

### List in Question 1

- Family members living here, including babies still in the hospital.
- Relatives living here.
- Lodgers or boarders living here.
- Other persons living here.
- College students who stay here while attending college, even if their parents live elsewhere.
- Persons who usually live here but are temporarily away (including children in boarding school below the college level).
- Persons with a home elsewhere but who stay here most of the week while working.

### Do Not List in Question 1

- Any person away from here in the Armed Forces.
- Any college student who stays somewhere else while attending college.
- Any person who usually stays somewhere else most of the week while working there.
- Any person away from here in an institution such as a home for the aged or mental hospital.
- Any person staying or visiting here who has a usual home elsewhere.

1. What is the name of each person who was living here on Tuesday, April 1, 1980, or who was staying or visiting here and had no other home?

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### Note

If everyone here is staying only temporarily and has a usual home elsewhere, please mark this box .

Then please

- answer the questions on pages 2 through 5 only,
- and
- enter the address of your usual home on page 20.

Please continue →

Page 2

ALSO ANSWER THE HOUSING QUESTIONS ON PAGE 3

Here are the QUESTIONS ↓	These are the columns for ANSWERS → Please fill one column for each person listed in Question 1.	PERSON in column 1		PERSON in column 2	
		Last name	First name	Last name	First name
<p>2 How is this person related to the person in column 1?</p> <p>Fill one circle</p> <p>If "Other relative" of person in column 1, give exact relationship, such as mother-in-law, niece, grandson, etc</p>	<p>START in this column with the household member (or one of the members) in whose name the home is owned or rented. If there is no such person, start in this column with any adult household member.</p>		<p>If relative of person in column 1</p> <p>Husband/wife <input type="checkbox"/> Father/mother <input type="checkbox"/></p> <p>Son/daughter <input type="checkbox"/> Other relative <input type="checkbox"/></p> <p>Brother/sister <input type="checkbox"/></p> <hr/> <p>If not related to person in column 1</p> <p>Roomer, boarder <input type="checkbox"/> Other nonrelative <input type="checkbox"/></p> <p>Partner roommate <input type="checkbox"/></p> <p>Paid employee <input type="checkbox"/></p>		
<p>3 Sex Fill one circle.</p>	<p>Male <input checked="" type="checkbox"/> Female <input type="checkbox"/></p>		<p>Male <input checked="" type="checkbox"/> Female <input type="checkbox"/></p>		
<p>4 Is this person —</p> <p>Fill one circle</p>	<p>White <input type="checkbox"/> Asian Indian <input type="checkbox"/></p> <p>Black or Negro <input type="checkbox"/> Hawaiian <input type="checkbox"/></p> <p>Japanese <input type="checkbox"/> Guamanian <input type="checkbox"/></p> <p>Chinese <input type="checkbox"/> Samoan <input type="checkbox"/></p> <p>Filipino <input type="checkbox"/> Eskimo <input type="checkbox"/></p> <p>Korean <input type="checkbox"/> Aleut <input type="checkbox"/></p> <p>Vietnamese <input type="checkbox"/> Other — Specify <input type="checkbox"/></p> <p>Indian (Amer.) <input type="checkbox"/></p> <p>Print tribe →</p>		<p>White <input type="checkbox"/> Asian Indian <input type="checkbox"/></p> <p>Black or Negro <input type="checkbox"/> Hawaiian <input type="checkbox"/></p> <p>Japanese <input type="checkbox"/> Guamanian <input type="checkbox"/></p> <p>Chinese <input type="checkbox"/> Samoan <input type="checkbox"/></p> <p>Filipino <input type="checkbox"/> Eskimo <input type="checkbox"/></p> <p>Korean <input type="checkbox"/> Aleut <input type="checkbox"/></p> <p>Vietnamese <input type="checkbox"/> Other — Specify <input type="checkbox"/></p> <p>Indian (Amer.) <input type="checkbox"/></p> <p>Print tribe →</p>		
<p>5 Age, and month and year of birth</p> <p>a. Print age at last birthday</p> <p>b. Print month and fill one circle.</p> <p>c. Print year in the spaces, and fill one circle below each number</p>	<p>a Age at last birthday</p> <p>c Year of birth</p> <p>1 • 8 0 0</p> <p>9 1 1</p> <p>2 2</p> <p>3 3</p> <p>4 4</p> <p>5 5</p> <p>6 6</p> <p>7 7</p> <p>8 8</p> <p>9 9</p> <p>b Month of birth</p> <p>Jan — Mar <input checked="" type="checkbox"/></p> <p>Apr — June</p> <p>July — Sept</p> <p>Oct — Dec</p>		<p>a Age at last birthday</p> <p>c Year of birth</p> <p>1 • 8 0 0</p> <p>9 1 1</p> <p>2 2</p> <p>3 3</p> <p>4 4</p> <p>5 5</p> <p>6 6</p> <p>7 7</p> <p>8 8</p> <p>9 9</p> <p>b Month of birth</p> <p>Jan — Mar <input checked="" type="checkbox"/></p> <p>Apr — June</p> <p>July — Sept</p> <p>Oct — Dec</p>		
<p>6 Marital status</p> <p>Fill one circle.</p>	<p>Now married <input type="checkbox"/> Separated <input type="checkbox"/></p> <p>Widowed <input type="checkbox"/> Never married <input type="checkbox"/></p> <p>Divorced <input type="checkbox"/></p>		<p>Now married <input type="checkbox"/> Separated <input type="checkbox"/></p> <p>Widowed <input type="checkbox"/> Never married <input type="checkbox"/></p> <p>Divorced <input type="checkbox"/></p>		
<p>7 Is this person of Spanish/Hispanic origin or descent?</p> <p>Fill one circle</p>	<p>No (not Spanish/Hispanic) <input type="checkbox"/></p> <p>Yes, Mexican, Mexican-Amer., Chicano <input type="checkbox"/></p> <p>Yes, Puerto Rican <input checked="" type="checkbox"/></p> <p>Yes, Cuban <input type="checkbox"/></p> <p>Yes, other Spanish/Hispanic <input type="checkbox"/></p>		<p>No (not Spanish/Hispanic) <input type="checkbox"/></p> <p>Yes, Mexican, Mexican-Amer., Chicano <input type="checkbox"/></p> <p>Yes, Puerto Rican <input checked="" type="checkbox"/></p> <p>Yes, Cuban <input type="checkbox"/></p> <p>Yes, other Spanish/Hispanic <input type="checkbox"/></p>		
<p>8 Since February 1, 1980, has this person attended regular school or college at any time? Fill one circle. Count nursery school, kindergarten, elementary school, and schooling which leads to a high school diploma or college degree</p>	<p>No, has not attended since February 1 <input type="checkbox"/></p> <p>Yes, public school, public college <input type="checkbox"/></p> <p>Yes, private, church-related <input type="checkbox"/></p> <p>Yes, private, not church-related <input type="checkbox"/></p>		<p>No, has not attended since February 1 <input type="checkbox"/></p> <p>Yes, public school, public college <input type="checkbox"/></p> <p>Yes, private, church-related <input type="checkbox"/></p> <p>Yes, private, not church-related <input type="checkbox"/></p>		
<p>9 What is the highest grade (or year) of regular school this person has ever attended?</p> <p>Fill one circle</p> <p>If now attending school, mark grade person is in. If high school was finished by equivalency test (GED), mark "12"</p>	<p>Highest grade attended:</p> <p>Nursery school <input type="checkbox"/> Kindergarten <input type="checkbox"/></p> <p>Elementary through high school (grade or year)</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p> <p>College (academic year) <input checked="" type="checkbox"/></p> <p>1 2 3 4 5 6 7 8 or more</p> <p>Never attended school — Skip question 10 <input type="checkbox"/></p>		<p>Highest grade attended:</p> <p>Nursery school <input type="checkbox"/> Kindergarten <input type="checkbox"/></p> <p>Elementary through high school (grade or year)</p> <p>1 2 3 4 5 6 7 8 9 10 11 12</p> <p>College (academic year) <input checked="" type="checkbox"/></p> <p>1 2 3 4 5 6 7 8 or more</p> <p>Never attended school — Skip question 10 <input type="checkbox"/></p>		
<p>10 Did this person finish the highest grade (or year) attended?</p> <p>Fill one circle.</p>	<p>Now attending this grade (or year) <input type="checkbox"/></p> <p>Finished this grade (or year) <input type="checkbox"/></p> <p>Did not finish this grade (or year) <input type="checkbox"/></p>		<p>Now attending this grade (or year) <input type="checkbox"/></p> <p>Finished this grade (or year) <input type="checkbox"/></p> <p>Did not finish this grade (or year) <input type="checkbox"/></p>		
CENSUS USE ONLY		A. I N	CENSUS USE ONLY		A. I N



NOW PLEASE ANSWER QUESTIONS H1—H12  
FOR YOUR HOUSEHOLD

If you listed more than 7 persons in Question 1, please see note on page 20.

**PERSON in column 7**

Last name \_\_\_\_\_ Middle initial \_\_\_\_\_

First name \_\_\_\_\_

If relative of person in column 1:

Husband/wife      Father/mother  
 Son/daughter      Other relative  
 Brother/sister

If not related to person in column 1:

Roomer, boarder      Other nonrelative  
 Partner, roommate  
 Paid employee

Male      Female

White      Asian Indian  
 Black or Negro      Hawaiian  
 Japanese      Guamanian  
 Chinese      Samoan  
 Filipino      Eskimo  
 Korean      Aleut  
 Vietnamese      Other — Specify \_\_\_\_\_  
 Indian (Amer.)

Print tribe → \_\_\_\_\_

a. Age at last birthday     c. Year of birth

\_\_\_\_\_ / \_\_\_\_\_

b. Month of birth

Jan.—Mar.      1      8      0      8  
 Apr.—June      2      1      1  
 July—Sept.      3      0      0  
 Oct.—Dec.      4      4      0  
 5      5      0  
 6      6      0  
 7      7      0  
 8      8      0  
 9      9      0

Now married      Separated  
 Widowed      Never married  
 Divorced

No (not Spanish/Hispanic)  
 Yes, Mexican, Mexican-Amer., Chicano  
 Yes, Puerto Rican  
 Yes, Cuban  
 Yes, other Spanish/Hispanic

No, has not attended since February 1  
 Yes, public school, public college  
 Yes, private, church-related  
 Yes, private, not church-related

Highest grade attended:

Nursery school      Kindergarten  
 Elementary through high school (grade or year)  
 1 2 3 4 5 6 7 8 9 10 11 12  
 College (academic year)  
 1 2 3 4 5 6 7 8 or more  
 Never attended school—Skip question 10

Now attending this grade (or year)  
 Finished this grade (or year)  
 Did not finish this grade (or year)

CENSUS USE ONLY     A.      I      N      O

H1. Did you leave anyone out of Question 1 because you were not sure if the person should be listed — for example, a new baby still in the hospital, a lodger who also has another home, or a person who stays here once in a while and has no other home?

Yes — On page 20 give name(s) and reason left out.  
 No

H2. Did you list anyone in Question 1 who is away from home now — for example, on a vacation or in a hospital?

Yes — On page 20 give name(s) and reason person is away.  
 No

H3. Is anyone visiting here who is not already listed?

Yes — On page 20 give name of each visitor for whom there is no one at the home address to report the person to a census taker.  
 No

H4. How many living quarters, occupied and vacant, are at this address?

One      2 apartments or living quarters  
 3 apartments or living quarters  
 4 apartments or living quarters  
 5 apartments or living quarters  
 6 apartments or living quarters  
 7 apartments or living quarters  
 8 apartments or living quarters  
 9 apartments or living quarters  
 10 or more apartments or living quarters  
 This is a mobile home or trailer

H5. Do you enter your living quarters —

Directly from the outside or through a common or public hall?  
 Through someone else's living quarters?

H6. Do you have complete plumbing facilities in your living quarters, that is, hot and cold piped water, a flush toilet, and a bathtub or shower?

Yes, for this household only  
 Yes, but also used by another household  
 No, have some but not all plumbing facilities  
 No plumbing facilities in living quarters

H7. How many rooms do you have in your living quarters? Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.

1 room      4 rooms      7 rooms  
 2 rooms      5 rooms      8 rooms  
 3 rooms      6 rooms      9 or more rooms

H8. Are your living quarters —

Owned or being bought by you or by someone else in this household?  
 Rented for cash rent?  
 Occupied without payment of cash rent?

H9. Is this apartment (house) part of a condominium?

No  
 Yes, a condominium

H10. If this is a one-family house —

a. Is the house on a property of 10 or more acres?  
 Yes      No

b. Is any part of the property used as a commercial establishment or medical office?  
 Yes      No

H11. If you live in a one-family house or a condominium unit which you own or are buying — What is the value of this property, that is, how much do you think this property (house and lot or condominium unit) would sell for if it were for sale?

Do not answer this question if this is —

- A mobile home or trailer
- A house on 10 or more acres
- A house with a commercial establishment or medical office on the property

Less than \$10,000      \$50,000 to \$54,999  
 \$10,000 to \$14,999      \$55,000 to \$59,999  
 \$15,000 to \$17,499      \$60,000 to \$64,999  
 \$17,500 to \$19,999      \$65,000 to \$69,999  
 \$20,000 to \$22,499      \$70,000 to \$74,999  
 \$22,500 to \$24,999      \$75,000 to \$79,999  
 \$25,000 to \$27,499      \$80,000 to \$89,999  
 \$27,500 to \$29,999      \$90,000 to \$99,999  
 \$30,000 to \$34,999      \$100,000 to \$124,999  
 \$35,000 to \$39,999      \$125,000 to \$149,999  
 \$40,000 to \$44,999      \$150,000 to \$199,999  
 \$45,000 to \$49,999      \$200,000 or more

H12. If you pay rent for your living quarters — What is the monthly rent? If rent is not paid by the month, see the instruction guide on how to figure a monthly rent.

Less than \$50      \$160 to \$169  
 \$50 to \$59      \$170 to \$179  
 \$60 to \$69      \$180 to \$189  
 \$70 to \$79      \$190 to \$199  
 \$80 to \$89      \$200 to \$224  
 \$90 to \$99      \$225 to \$249  
 \$100 to \$109      \$250 to \$274  
 \$110 to \$119      \$275 to \$299  
 \$120 to \$129      \$300 to \$349  
 \$130 to \$139      \$350 to \$399  
 \$140 to \$149      \$400 to \$499  
 \$150 to \$159      \$500 or more

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A4. Block number     A6. Serial number     B. Type of unit or quarters

Occupied	<input type="radio"/> First form
	<input type="radio"/> Continuation
Vacant	<input type="radio"/> Regular
	<input type="radio"/> Usual home elsewhere
Group quarters	<input type="radio"/> First form
	<input type="radio"/> Continuation

C1. Is this unit for —  
 Year round use  
 Seasonal/Mig — Skip C2, C3, and D.

C2. Vacancy status  
 For rent  
 For sale only  
 Rented or sold, not occupied  
 Held for occasional use  
 Other vacant

C3. Is this unit boarded up?  
 Yes      No

D. Months vacant  
 Less than 1 month  
 1 up to 2 months  
 2 up to 6 months  
 6 up to 12 months  
 1 year up to 2 years  
 2 or more years

E. Indicators  
 1.  Mail return  
 2.  Pop./F

F. Total persons  

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

ALSO ANSWER THESE QUESTIONS

		CENSUS USE
<b>H13 Which best describes this building?</b> <i>Include all apartments, flats, etc., even if vacant</i> <input type="checkbox"/> A mobile home or trailer <input type="checkbox"/> A one family house detached from any other house <input type="checkbox"/> A one family house attached to one or more houses <input type="checkbox"/> A building for 2 families <input type="checkbox"/> A building for 3 or 4 families <input type="checkbox"/> A building for 5 to 9 families <input type="checkbox"/> A building for 10 to 19 families <input type="checkbox"/> A building for 20 to 49 families <input type="checkbox"/> A building for 50 or more families <input type="checkbox"/> A boat, tent, van, etc.	<b>H21 a. Which fuel is used most for house heating?</b> <input type="checkbox"/> Gas from underground pipes serving the neighborhood <input type="checkbox"/> Gas bottled, tank, or LP <input type="checkbox"/> Electricity <input checked="" type="checkbox"/> Fuel oil, kerosene, etc. <input type="checkbox"/> Coal or coke <input type="checkbox"/> Wood <input type="checkbox"/> Other fuel <input type="checkbox"/> No fuel used	<b>H22a.</b> <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H14a. How many stories (floors) are in this building?</b> <i>Count an attic or basement as a story if it has any finished rooms for living purposes</i> 1 to 3 — Skip to H15      7 to 12 4 to 6                              13 or more stories	<b>b Which fuel is used most for water heating?</b> <input type="checkbox"/> Gas from underground pipes serving the neighborhood <input type="checkbox"/> Gas bottled, tank, or LP <input type="checkbox"/> Electricity <input type="checkbox"/> Fuel oil, kerosene, etc. <input checked="" type="checkbox"/> Coal or coke <input type="checkbox"/> Wood <input type="checkbox"/> Other fuel <input type="checkbox"/> No fuel used	<b>H22b.</b> <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>b Is there a passenger elevator in this building?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>c Which fuel is used most for cooking?</b> <input type="checkbox"/> Gas from underground pipes serving the neighborhood <input type="checkbox"/> Gas bottled, tank, or LP <input type="checkbox"/> Electricity <input type="checkbox"/> Fuel oil, kerosene, etc. <input type="checkbox"/> Coal or coke <input type="checkbox"/> Wood <input type="checkbox"/> Other fuel <input type="checkbox"/> No fuel used	<b>H22c.</b> <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H15a. Is this building —</b> <input type="checkbox"/> On a city or suburban lot, or on a place of less than 1 acre? — Skip to H16 <input type="checkbox"/> On a place of 1 to 9 acres? <input type="checkbox"/> On a place of 10 or more acres?	<b>H22. What are the costs of utilities and fuels for your living quarters?</b> <b>a Electricity</b> \$ _____ 00 OR <input type="checkbox"/> Included in rent or no charge <i>Average monthly cost</i> <input type="checkbox"/> Electricity not used	<b>H22d.</b> <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>b Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —</b> <input type="checkbox"/> Less than \$50 (or None) <input type="checkbox"/> \$250 to \$599 <input type="checkbox"/> \$1,000 to \$2,499 <input type="checkbox"/> \$50 to \$249 <input type="checkbox"/> \$600 to \$999 <input type="checkbox"/> \$2,500 or more	<b>b Gas</b> \$ _____ 00 OR <input type="checkbox"/> Included in rent or no charge <i>Average monthly cost</i> <input type="checkbox"/> Gas not used	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H16 Do you get water from —</b> <input type="checkbox"/> A public system (city water department, etc.) or private company? <input type="checkbox"/> An individual drilled well? <input type="checkbox"/> An individual dug well? <input type="checkbox"/> Some other source (a spring, creek, river, cistern, etc.)?	<b>c Water</b> \$ _____ 00 OR <input type="checkbox"/> Included in rent or no charge <i>Yearly cost</i>	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H17. Is this building connected to a public sewer?</b> <input type="checkbox"/> Yes, connected to public sewer <input type="checkbox"/> No, connected to septic tank or cesspool <input type="checkbox"/> No, use other means	<b>d Oil, coal, kerosene, wood, etc.</b> \$ _____ 00 OR <input type="checkbox"/> Included in rent or no charge <i>Yearly cost</i> <input type="checkbox"/> These fuels not used	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H18 About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</b> <input type="checkbox"/> 1979 or 1980 <input type="checkbox"/> 1960 to 1969 <input type="checkbox"/> 1940 to 1949 <input type="checkbox"/> 1975 to 1978 <input type="checkbox"/> 1950 to 1959 <input type="checkbox"/> 1939 or earlier <input type="checkbox"/> 1970 to 1974	<b>H23. Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H19 When did the person listed in column 1 move into this house (or apartment)?</b> <input type="checkbox"/> 1979 or 1980 <input type="checkbox"/> 1950 to 1959 <input type="checkbox"/> 1975 to 1978 <input type="checkbox"/> 1949 or earlier <input type="checkbox"/> 1970 to 1974 <input type="checkbox"/> Always lived here <input type="checkbox"/> 1960 to 1969	<b>H24. How many bedrooms do you have?</b> <i>Count rooms used mainly for sleeping even if used also for other purposes.</i> <input type="checkbox"/> No bedroom <input type="checkbox"/> 2 bedrooms <input type="checkbox"/> 4 bedrooms <input type="checkbox"/> 1 bedroom <input type="checkbox"/> 3 bedrooms <input type="checkbox"/> 5 or more bedrooms	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H20 How are your living quarters heated?</b> <i>Fill one circle for the kind of heat used most.</i> <input checked="" type="checkbox"/> Steam or hot water system <input type="checkbox"/> Central warm air furnace with ducts to the individual rooms (Do not count electric heat pumps here) <input type="checkbox"/> Electric heat pump <input type="checkbox"/> Other built-in electric units (permanently installed in wall, ceiling, or baseboard) <input type="checkbox"/> Floor, wall, or pipeless furnace <input type="checkbox"/> Room heaters with flue or vent, burning gas, oil, or kerosene <input type="checkbox"/> Room heaters without flue or vent, burning gas, oil, or kerosene (not portable) <input type="checkbox"/> Fireplaces, stoves, or portable room heaters of any kind <input type="checkbox"/> No heating equipment	<b>H25. How many bathrooms do you have?</b> <i>A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.</i> <i>A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</i> <input type="checkbox"/> No bathroom, or only a half bathroom <input type="checkbox"/> 1 complete bathroom <input type="checkbox"/> 1 complete bathroom, plus half bath(s) <input type="checkbox"/> 2 or more complete bathrooms	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H21 b. Which fuel is used most for water heating?</b> <input type="checkbox"/> Gas from underground pipes serving the neighborhood <input type="checkbox"/> Gas bottled, tank, or LP <input type="checkbox"/> Electricity <input type="checkbox"/> Fuel oil, kerosene, etc.	<b>H26. Do you have a telephone in your living quarters?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H22. What are the costs of utilities and fuels for your living quarters?</b> <b>a Electricity</b> \$ _____ 00 OR <input type="checkbox"/> Included in rent or no charge <i>Average monthly cost</i> <input type="checkbox"/> Electricity not used	<b>H27. Do you have air conditioning?</b> <input type="checkbox"/> Yes, a central air-conditioning system <input type="checkbox"/> Yes, 1 individual room unit <input type="checkbox"/> Yes, 2 or more individual room units <input type="checkbox"/> No	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>b Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —</b> <input type="checkbox"/> Less than \$50 (or None) <input type="checkbox"/> \$250 to \$599 <input type="checkbox"/> \$1,000 to \$2,499 <input type="checkbox"/> \$50 to \$249 <input type="checkbox"/> \$600 to \$999 <input type="checkbox"/> \$2,500 or more	<b>H28. How many automobiles are kept at home for use by members of your household?</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> 2 automobiles <input type="checkbox"/> 1 automobile <input type="checkbox"/> 3 or more automobiles	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9
<b>H22. What are the costs of utilities and fuels for your living quarters?</b> <b>b Gas</b> \$ _____ 00 OR <input type="checkbox"/> Included in rent or no charge <i>Average monthly cost</i> <input type="checkbox"/> Gas not used	<b>H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?</b> <input type="checkbox"/> None <input type="checkbox"/> 2 vans or trucks <input type="checkbox"/> 1 van or truck <input type="checkbox"/> 3 or more vans or trucks	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> 6 <input type="radio"/> 7 <input type="radio"/> 8 <input type="radio"/> 9

0 1 2 3 4 5 6 7 8 9 \* 0 1 2 3 4 5 6 7 8 9 \* 0 1 2 3 4 5 6 7 8 9 \* 0 1 2 3 4 5 6 7 8 9 \*

FOR YOUR HOUSEHOLD

Please answer H30—H32 if you live in a one-family house which you own or are buying, unless this is —

- A mobile home or trailer . . . . .
- A house on 10 or more acres . . . . .
- A condominium unit . . . . .
- A house with a commercial establishment or medical office on the property . . . . .

If any of these, or if you rent your unit or this is a multi-family structure, skip H30 to H32 and turn to page 6.

H30. What were the real estate taxes on this property last year?

\$ \_\_\_\_\_ .00 OR  None

H31. What is the annual premium for fire and hazard insurance on this property?

\$ \_\_\_\_\_ .00 OR  None

H32a. Do you have a mortgage, deed of trust, contract to purchase, or similar debt on this property?

Yes, mortgage, deed of trust, or similar debt

Yes, contract to purchase

No — Skip to page 6

b. Do you have a second or junior mortgage on this property?

Yes  No

c. How much is your total regular monthly payment to the lender? Also include payments on a contract to purchase and to lenders holding second or junior mortgages on this property.

\$ \_\_\_\_\_ .00 OR  No regular payment required — Skip to page 6

d. Does your regular monthly payment (amount entered in H32c) include payments for real estate taxes on this property?

Yes, taxes included in payment

No, taxes paid separately or taxes not required

e. Does your regular monthly payment (amount entered in H32c) include payments for fire and hazard insurance on this property?

Yes, insurance included in payment

No, insurance paid separately or no insurance

Please turn to page 6

FOR CENSUS USE ONLY

	<b>1</b>	<b>2.</b>	<b>4.</b>	<b>2</b>	<b>2.</b>	<b>4.</b>	<b>3</b>	<b>2.</b>	<b>4.</b>				
	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	<b>4</b>	<b>2.</b>	<b>4.</b>	<b>5</b>	<b>2.</b>	<b>4.</b>	<b>6</b>	<b>2.</b>	<b>4.</b>				
	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	<b>7</b>	<b>2.</b>	<b>4.</b>	<b>GQ.</b>	<b>H30.</b>	<b>H31.</b>	<b>H32c.</b>						
	S.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
	Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
	No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				

<p>Name of Person 1 on page 2</p> <p>Last name      First name      Middle initial</p>	<p>16 When was this person born? Born before April 1965 — <i>Please go on with questions 17-33</i></p> <p> <input type="checkbox"/> Born April 1965 or later — Turn to next page for next person         </p>	<p>22a Did this person work at any time last week?</p> <p> <input checked="" type="radio"/> Yes — Fill this circle if this person worked full time or part time (Count part-time work such as delivering papers, or helping without pay in a family business or farm. Also count active duty in the Armed Forces.)         </p> <p> <input type="radio"/> No — Fill this circle if this person did not work, or did only own housework, school work, or volunteer work.         </p> <p style="text-align: right;">Skip to 25</p>																												
<p>11 In what State or foreign country was this person born? <i>Print the State where this person's mother was living when this person was born. Do not give the location of the hospital unless the mother's home and the hospital were in the same State.</i></p> <p>Name of State or foreign country, or Puerto Rico, Guam, etc</p>	<p>17 In April 1975 (five years ago) was this person —</p> <p>a On active duty in the Armed Forces?  <input type="radio"/> Yes      <input type="radio"/> No</p> <p>b Attending college?  <input type="radio"/> Yes      <input type="radio"/> No</p> <p>c Working at a job or business?  <input type="radio"/> Yes, full time      <input type="radio"/> No  <input type="radio"/> Yes part time</p>	<p>b How many hours did this person work last week (at all jobs)?</p> <p>Subtract any time off, add overtime or extra hours worked.</p> <p>Hours <input checked="" type="checkbox"/></p> <p>-----</p>																												
<p>12 If this person was born in a foreign country —</p> <p>a Is this person a naturalized citizen of the United States?</p> <p> <input type="radio"/> Yes, a naturalized citizen  <input type="radio"/> No, not a citizen  <input checked="" type="radio"/> Born abroad of American parents         </p> <p>b When did this person come to the United States to stay?</p> <p> <input type="checkbox"/> 1975 to 1980    <input type="checkbox"/> 1965 to 1969    <input type="checkbox"/> 1950 to 1959  <input type="checkbox"/> 1970 to 1974    <input type="checkbox"/> 1960 to 1964    <input type="checkbox"/> Before 1950         </p>	<p>18a Is this person a veteran of active-duty military service in the Armed Forces of the United States? <i>If service was in National Guard or Reserves only, see instruction guide.</i></p> <p> <input type="checkbox"/> Yes      <input type="checkbox"/> No — Skip to 19         </p> <p>b Was active-duty military service during — <i>Fill a circle for each period in which this person served.</i></p> <p> <input type="checkbox"/> May 1975 or later  <input type="checkbox"/> Vietnam era (August 1964–April 1975)  <input type="checkbox"/> February 1955–July 1964  <input type="checkbox"/> Korean conflict (June 1950–January 1955)  <input type="checkbox"/> World War II (September 1940–July 1947)  <input type="checkbox"/> World War I (April 1917–November 1918)  <input type="checkbox"/> Any other time         </p>	<p>23 At what location did this person work last week? <i>If this person worked at more than one location, print where he or she worked most last week.</i> <i>If one location cannot be specified, see instruction guide.</i></p>																												
<p>13a Does this person speak a language other than English at home?</p> <p> <input type="checkbox"/> Yes      <input type="checkbox"/> No, only speaks English — Skip to 14         </p> <p>b What is this language?</p> <p>(For example — Chinese, Italian, Spanish, etc.)</p>	<p>19 Does this person have a physical, mental, or other health condition which has lasted for 6 or more months and which</p> <table border="0"> <tr> <td>a Limits the kind or amount of work this person can do at a job?</td> <td>Yes <input type="checkbox"/></td> <td>No <input type="checkbox"/></td> </tr> <tr> <td>b Prevents this person from working at a job?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>c Limits or prevents this person from using public transportation?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	a Limits the kind or amount of work this person can do at a job?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	b Prevents this person from working at a job?	<input type="checkbox"/>	<input type="checkbox"/>	c Limits or prevents this person from using public transportation?	<input type="checkbox"/>	<input type="checkbox"/>	<p>a Address (Number and street) -----</p> <p><i>If street address is not known, enter the building name, shopping center, or other physical location description.</i></p> <p>b Name of city, town, village, borough, etc. -----</p>																			
a Limits the kind or amount of work this person can do at a job?	Yes <input type="checkbox"/>	No <input type="checkbox"/>																												
b Prevents this person from working at a job?	<input type="checkbox"/>	<input type="checkbox"/>																												
c Limits or prevents this person from using public transportation?	<input type="checkbox"/>	<input type="checkbox"/>																												
<p>c How well does this person speak English?</p> <p> <input type="checkbox"/> Very well      <input type="checkbox"/> Not well  <input type="checkbox"/> Well      <input checked="" type="checkbox"/> Not at all         </p>	<p>20 If this person is a female —</p> <p>How many babies has she ever had, not counting stillbirths? <i>Do not count her stepchildren or children she has adopted</i></p> <p>None 1 2 3 4 5 6</p> <p>7 8 9 10 11 12 or more</p> <p> <input type="checkbox"/> 7    <input type="checkbox"/> 8    <input type="checkbox"/> 9    <input type="checkbox"/> 10    <input type="checkbox"/> 11    <input type="checkbox"/> 12    <input type="checkbox"/> or more         </p>	<p>c Is the place of work inside the incorporated (legal) limits of that city, town, village, borough, etc.?</p> <p> <input type="checkbox"/> Yes      <input type="checkbox"/> No, in unincorporated area         </p> <p>d County -----</p>																												
<p>14 What is this person's ancestry? <i>If uncertain about how to report ancestry, see instruction guide</i></p> <p>(For example Afro-Amer., English, French, German, Honduran, Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican, Nigerian, Polish, Ukrainian, Venezuelan, etc.)</p>	<p>21 If this person has ever been married —</p> <p>a Has this person been married more than once?</p> <p> <input type="checkbox"/> Once      <input type="checkbox"/> More than once         </p> <p>b Month and year of marriage?      Month and year of first marriage?</p> <p>(Month)      (Year)      (Month)      (Year)</p> <p>c If married more than once — Did the first marriage end because of the death of the husband (or wife)?</p> <p> <input type="checkbox"/> Yes      <input type="checkbox"/> No         </p>	<p>e State ----- f. ZIP Code -----</p>																												
<p>15a Did this person live in this house five years ago (April 1, 1975)? <i>If in college or Armed Forces in April 1975, report place of residence there.</i></p> <p> <input type="checkbox"/> Born April 1975 or later — Turn to next page for next person  <input type="checkbox"/> Yes, this house — Skip to 16  <input type="checkbox"/> No, different house         </p>	<p>FOR CENSUS USE ONLY</p> <table border="1"> <tr> <th>Per No</th> <th>11 <input checked="" type="checkbox"/></th> <th>13b</th> <th>14 <input checked="" type="checkbox"/></th> <th>15b</th> <th>23</th> <th>24a</th> </tr> <tr> <td>1</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>2</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>3</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Per No	11 <input checked="" type="checkbox"/>	13b	14 <input checked="" type="checkbox"/>	15b	23	24a	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>24a Last week, how long did it usually take this person to get from home to work (one way)?</p> <p>Minutes</p> <p>-----</p>
Per No	11 <input checked="" type="checkbox"/>	13b	14 <input checked="" type="checkbox"/>	15b	23	24a																								
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
<p>b Where did this person live five years ago (April 1, 1975)?</p> <p>(1) State, foreign country, Puerto Rico, Guam, etc. -----</p> <p>(2) County -----</p> <p>(3) City, town, village, etc. -----</p> <p>(4) Inside the incorporated (legal) limits of that city, town, village, etc.?</p> <p> <input type="checkbox"/> Yes      <input type="checkbox"/> No, in unincorporated area         </p>	<p>b How did this person usually get to work last week? <i>If this person used more than one method, give the one usually used for most of the distance.</i></p> <p> <input type="checkbox"/> Car                    <input checked="" type="checkbox"/> Taxicab  <input type="checkbox"/> Truck                <input type="checkbox"/> Motorcycle  <input type="checkbox"/> Van                   <input type="checkbox"/> Bicycle  <input type="checkbox"/> Bus or streetcar    <input type="checkbox"/> Walked only  <input type="checkbox"/> Railroad             <input type="checkbox"/> Worked at home  <input type="checkbox"/> Subway or elevated <input type="checkbox"/> Other — Specify         </p> <p><i>If car, truck, or van in 24b, go to 24c. Otherwise, skip to 28.</i></p>																													





# Appendix F.—Publication and Computer Tape Program

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## GENERAL

The results of the 1980 Census of Population and Housing are issued in three forms: printed reports, computer tape

files, and microfiche. Most of the reports listed are issued on a flow basis through 1983. A few may be issued later, such as Subject Reports and Evaluation and Reference Reports.

The publications of the 1980 census are released under three subject titles: *1980 Census of Population and Housing*, *1980 Census of Population*, and *1980 Census of Housing*. The description of the publication program below is organized in sections, by census title, followed by the reports under each title. It should be noted that a number of population census reports contain some housing data and a number of housing census reports contain some population data. Following the description of the publication program are sections on computer tapes, maps, and microfiche.

The data product descriptions include listings of geographic areas for which data are summarized in that product. Note that the term "place" refers to incorporated places and census designated (or unincorporated) places, as well as towns and townships in 11 States (the 6 New England States, the 3 Middle Atlantic States, Michigan, and Wisconsin).

Order forms for these materials are available, subject to availability of the data product, from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233; Census Bureau Regional Offices; U.S. Department of Commerce District Offices; and State Data Centers. After issuance, census reports are on file in many libraries and are available for examination at any Department of Commerce District Office or Census Bureau Regional Office.

## PUBLICATIONS

### Population and Housing Census Reports

**PHC80-1, Block Statistics**—These reports, which are issued on microfiche rather

than in print form, present population and housing unit totals and statistics on selected characteristics which are based on complete-count tabulations. Data are shown for blocks in urbanized areas and selected adjacent areas, for blocks in places of 10,000 or more inhabitants, and for blocks in areas which contracted with the Census Bureau to provide block statistics.

The set of reports consists of 374 sets of microfiche and includes a report for each standard metropolitan statistical area (SMSA), showing blocked areas within the SMSA, and a report for each State and for Puerto Rico, showing blocked areas outside SMSA's. In addition to microfiche, printed detailed maps showing the blocks covered by the particular report are available as well as a U.S. Summary, which is an index to the set.

**PHC80-2, Census Tracts**—Statistics for most of the population and housing subjects included in the 1980 census are presented for census tracts in SMSA's and in other tracted areas. Both complete-count data and sample data are included. Most statistics are presented by race and Spanish origin for areas with at least a specified number of persons in the relevant population group.

There is one report for each SMSA, as well as one for each of the States and Puerto Rico which have tracted areas outside SMSA's. In addition, maps showing the boundaries and identification numbers of census tracts in the SMSA are available as well as a U.S. Summary, which is an index to the set and also provides a historical listing of the total number of tracts by area.

**PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas**—Statistics are presented on total population and on complete-count and sample population characteristics such as age, race, education, disability, ability to speak English, labor force, and income, and on total housing units and housing characteristics such as value, age of structure, and rent. These statistics are shown for the following areas or their equivalents: States, SMSA's, counties, county subdivisions (those which are functioning general-purpose local governments), and incorporated places.

There is one report for each State, the District of Columbia, and Puerto Rico.

This series does not include a U.S. Summary.

**PHC80-4, Congressional Districts of the 98th Congress**—These reports present complete-count and sample data for congressional districts of the 98th Congress. The reports reflect redistricting based on the 1982 elections. One report is issued for each of the 50 States and the District of Columbia.

**PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics**—This report presents provisional estimates based on sample data collected in the 1980 census. Data on social, economic, and housing characteristics are shown for the United States as a whole, each State, the District of Columbia, and SMSA's of 1 million or more inhabitants.

These data are based on a special subsample of the full census sample. The sample, which represents about 1.6 percent of the total population, was developed to provide users with initial data on characteristics of the population and housing units for the Nation and large areas.

**PHC80-S2, Advance Estimates of Social, Economic, and Housing Characteristics**—These reports present advance sample data from the 1980 census including such social and economic characteristics of the population as education, migration, labor force, and income as well as housing characteristics such as structural information, mortgage, and gross rent.

The set consists of 50 paperbound reports and includes one report for each State and the District of Columbia. No report will be issued for the United States as a whole.

Each report presents population and housing characteristics for the State, its counties or comparable areas, and places of 25,000 or more inhabitants. Selected data are shown for four race groups (White, Black; combined American Indian, Eskimo, and Aleut; and Asian and Pacific Islander) as well as for persons of Spanish origin.

### Population Census Reports

**PC80-1, Volume 1, Characteristics of the Population**—This volume presents final

population counts and statistics on population characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of four chapters for each area, chapters A, B, C, and D. Chapters A and B present data collected on a complete-count basis, and chapters C and D present estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The population totals presented in chapters A and B may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Chapters B, C, and D present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A, B, C, and D.

**PC80-1-A, Chapter A, Number of Inhabitants**—Final population counts are shown for the following areas or their equivalents: States, counties, county subdivisions, incorporated places and census designated places, standard consolidated statistical areas (SCSA's), SMSA's, and urbanized areas. Selected tables contain population counts by urban and rural residence. Many tables contain population counts from previous censuses.

**PC80-1-B, Chapter B, General Population Characteristics**—Statistics on household relationship, age, race, Spanish origin, sex, and marital status are shown for the following areas or their equivalents: States, counties (by total and rural residence), county subdivisions, places of 1,000 or more inhabitants, SCSA's,



SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-C, Chapter C, General Social and Economic Characteristics**—Statistics are presented on nativity, State or country of birth, citizenship and year of immigration for the foreign-born population, language spoken at home and ability to speak English, ancestry, fertility, family composition, type of group quarters, marital history, residence in 1975, journey to work, school enrollment, years of school completed, disability, veteran status, labor force status, occupation, industry, class of worker, labor force status in 1979, income in 1979, and poverty status in 1979. In addition, data on subjects shown in the PC80-1-B reports are presented in this report in more detail.

Each subject is shown for some or all of the following areas or their equivalents: States, counties (by rural and rural-farm residence), places of 2,500 or more inhabitants, SCOSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-D, Chapter D, Detailed Population Characteristics**—Statistics on most of the subjects covered in the PC80-1-C reports are presented in this report in considerably greater detail and cross-classified by age, race, Spanish origin, and other characteristics. Each subject is shown for the State or equivalent area, and some subjects are also shown for rural residence at the State level. Most subjects are shown for SMSA's of 250,000 or more inhabitants, and a few are shown for central cities of these SMSA's.

**PC80-2, Volume 2, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. A few reports show statistics for States, SMSA's, large cities, American Indian reservations, or Alaska Native villages. Separate reports are issued on such subjects as racial and ethnic groups, type of residence, fertility, families, marital status, migration, education, employment, occupation, industry, journey to work, income, poverty status, and other topics.

**PC80-S1, Supplementary Reports**—These reports present special compilations of

1980 census statistics dealing with specific population subjects.

## **Housing Census Reports**

**HC80-1, Volume 1, Characteristics of Housing Units**—This volume presents final housing unit counts and statistics on housing characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of two chapters for each area, chapters A and B. Chapter A presents data collected on a complete-count basis, and chapter B presents estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The housing totals presented in this report may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Both chapters present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A and B.

**HC80-1-A, Chapter A, General Housing Characteristics**—Statistics on units at address, tenure, condominium status, number of rooms, persons per room, plumbing facilities, value, contract rent, and vacancy status are shown for some or all of the following areas or their equivalents: States, counties, county subdivisions, places of 1,000 or more inhabitants, SCOSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables contain housing characteristics by urban and rural residence.

**HC80-1-B, Chapter B, Detailed Housing Characteristics**—Statistics on units in structure, year moved into unit, year structure built, heating equipment, fuels, air-conditioning, source of water, sewage disposal, gross rent, and selected monthly ownership costs are shown for some or all of the following areas or their equivalents: States, counties, places of 2,500 or more inhabitants, SCOSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables show housing characteristics for rural and rural farm residence at the State and county level. Some subjects included in the HC80-1-A reports are also covered in this report in more detail.

**HC80-2, Volume 2, Metropolitan Housing Characteristics**—This volume presents statistics on most of the 1980 housing census subjects in considerable detail and cross-classification. Most statistics are presented by race and Spanish origin for areas with at least a specified number of the relevant population group. Data are shown for States or equivalent areas, SMSA's and their central cities, and other cities of 50,000 or more inhabitants.

There is one report for each SMSA and one report for each State and Puerto Rico. The set includes a U.S. Summary report showing these statistics for the United States and regions.

**HC80-3, Volume 3, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. Separate reports are issued on housing of the elderly, mobile homes, and American Indian households.

**HC80-4, Volume 4, Components of Inventory Change**—This volume consists of two reports presenting statistics on the 1980 characteristics of housing units which existed in 1973, as well as on newly constructed units, conversions, mergers, demolitions, and other additions and losses to the housing inventory between 1973 and 1980. These reports present data derived from a sample survey conducted in the fall of 1980. Data are presented for the United States and regions in report I. Report II has two parts: Part A presents data for that group of SMSA's (not individually identified)

with populations of 1 million or more at the time of the 1970 census, and part 8 presents data for that group of SMSA's (not individually identified) with populations of less than 1 million at the time of the 1970 census.

**HC80-5, Volume 5, Residential Finance**—This volume consists of one report presenting statistics on the financing of non-farm homeowner and rental and vacant properties, including characteristics of the mortgage, property, and owner. The statistics are based on a sample survey conducted in the spring of 1981. Data are presented for the United States and regions. Some data are presented by inside and outside SMSA's and by central cities.

**HC80-S1-1, Supplementary Reports**—These reports present statistics from the 1980 Census of Housing on general characteristics of housing units for the 50 States and the District of Columbia, counties, and independent cities.

## Evaluation and Reference Reports

**PHC80-E, Evaluation and Research Reports**—These reports present the results of the extensive evaluation program conducted as an integral part of the 1980 census. This program relates to such matters as completeness of enumeration and quality of the data on characteristics.

**PHC80-R, Reference Reports**—These reports present information on the various administrative and methodological aspects of the 1980 census. The series includes:

**PHC80-R1, Users' Guide**—This report covers subject content, procedures, geography, statistical products, limitations of the data, sources of user assistance, notes on data use, a glossary of terms, and guides for locating data in reports and tape files. The guide is issued in loose-leaf form and sold in parts (R1-A, B, etc.) as they are printed.

**PHC80-R2, History**—This report describes in detail all phases of the 1980 census, from the earliest planning through all stages to the dissemination of data and evaluation of results. It contains detailed discussion of 1980 census questions and their use in previous decennial censuses.

**PHC80-R3, Alphabetical Index of Industries and Occupations**—This report was developed primarily for use in classifying responses to the questions on the kind of business (industry) and kind of work (occupation) in which the respondent is engaged. The index lists approximately 20,000 industry and 29,000 occupation titles in alphabetical order.

**PHC80-R4, Classified Index of Industries and Occupations**—This report defines the industrial and occupational classification systems adopted for the 1980 Census of Population. It presents the individual titles that constitute each of the 231 industry and 503 occupation categories in the classification systems. The individual titles are the same as those shown in the Alphabetical Index. The 1980 occupation classification reflects the new U.S. Standard Occupational Classification (SOC). As in the past, the 1980 industry classification reflects the Standard Industrial Classification (SIC).

**PHC80-R5, Geographic Identification Code Scheme**—This report identifies the names and related geographic codes for each State, county, minor civil division, place, region, division, SCSA, SMSA, American Indian reservation, and Alaska Native village for which the Census Bureau tabulated data from the 1980 census.

## COMPUTER TAPES

### Summary Tape Files

In addition to the printed and microfiche reports, results of the 1980 census also are provided on computer tape in the form of summary tape files (STF's). These data products have been designed to provide statistics with greater subject and geographic detail than is feasible or desirable to provide in printed and microfiche reports. The STF data are made available at nominal cost. The data are subject to suppression of certain detail where necessary to protect confidentiality.

There are five STF's (listed below), and the amount of geographic and subject detail presented varies. STF's 1 and 2 contain complete-count data, and STF's 3, 4, and 5 contain sample data. Note that the term "cells" used below refers

to the number of subject statistics provided for each geographic area, and the number of cells is indicative of the detail of the subject content of the file.

Each of the STF's generally consists of two or more files which provide different degrees of geographic detail and, in some cases, race/Spanish origin cross-classification. For each of the files there is a separate tape or tapes for each State, the District of Columbia, and Puerto Rico. Selected files (STF 1 and STF 3) are also produced for Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. These tapes are issued on a State-by-State basis and are followed by a national summary tape for the particular file. More complete descriptions of the STF's than given in the summaries below can be found in the technical documentation of the specific file and in the PHC80-R1, *Users' Guide*.

**STF 1**—This STF provides 321 cells of complete-count population and housing data. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, congressional districts, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and blocks and block groups in blocked areas. The data include those shown in the PHC80-1, PHC80-3 (complete-count), and PC80-1-A reports.

**STF 2**—This STF contains 2,292 cells of detailed complete-count population and housing data, of which 962 are repeated for each race and Spanish origin group present in the tabulation area. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, counties, county subdivisions, places of 1,000 or more inhabitants, census tracts, American Indian reservations, and Alaska Native villages. The data include those shown in the PHC80-2 (complete-count), PC80-1-B, and HC80-1-A reports.

**STF 3**—This STF contains 1,126 cells of data on various population and housing subjects collected on a sample basis. The areas covered are the same as in STF 1, excluding blocks. The data include those shown in the PHC80-3 (sample) reports.

**STF 4**—This STF is the geographic counterpart of STF 2, but the number of cells of data is greater (approximately 8,400). STF 4 provides data covering virtually all of the population and housing subjects collected on a sample basis, as well as some of the complete-count subjects. Some of the statistics are repeated for race, Spanish origin, and ancestry groups. Data are summarized for areas similar to those shown in STF 2, except that data for places are limited to those with 2,500 or more inhabitants. The data include those shown in the PHC80-2 (sample), PC80-1-C, and HC80-1-B reports.

**STF 5**—This STF contains over 100,000 cells of data on various population and housing subjects collected on a sample basis and provides detailed tabulations and cross-classifications for States, SMSA's, counties, cities of 50,000 or more inhabitants and central cities. Most subjects are classified by race and Spanish origin. The data include those shown in the PC80-1-D and HC80-2 reports.

### Other Computer Tape Files

**P.L. 94-171, Population Counts**—In accordance with Public Law (P.L.) 94-171, the Census Bureau provides population tabulations to all States for legislative reapportionment/redistricting. The file is issued on a State-by-State basis. It contains population counts classified by race and Spanish origin. The data are tabulated for the following levels of geography as applicable: States, counties, county subdivisions, incorporated places, census tracts, blocks and block groups in blocked areas, and enumeration districts in unblocked areas. For States participating in the voluntary program to define election precincts in conjunction with the Census Bureau, the data are also tabulated for election precincts.

### Master Area Reference Files 1 and 2 (MARF)

**MARF 1**—This geographic reference file is an extract of STF 1 designed for those who require a master list of geographic codes and areas, along with basic census counts arranged hierarchically from the State down to the block group and enumeration district levels and is issued on a State-by-State basis. The file contains records for States, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and block groups in blocked areas. Each record shows the total population by five race groups, population of Spanish origin, number of housing units, number of households, number of families, and a few other items.

**MARF 2**—This file is the same as the MARF 1 with the latitude and longitude coordinates for a representative point (centroid) in each block group (BG) or enumeration district (ED) outside block numbered areas.

**Geographic Base File/Dual Independent Map Encoding (GBF/DIME)**—These files are computer representations of the Metropolitan Map Series, including address ranges and ZIP Codes, which generally cover the urbanized portions of SMSA's. GBF/DIME files are used to assign census geographic codes to addresses (geocoding). The files are available by SMSA.

**Public-Use Microdata Samples**—Public-use microdata samples are computerized files containing most population and housing characteristics as shown on a sample of individual census records. These files contain no names or addresses, and geographic identification is sufficiently broad to protect confidentiality.

There are three mutually exclusive samples, the A sample including 5 percent of all persons and housing units, and the

B and C samples each including 1 percent of all persons and housing units. States and most large SMSA's will be identifiable on one or more of the files. Microdata files allow the user to prepare customized tabulations.

**Census/EEO Special File**—This file provides sample census data with specified relevance to EEO and affirmative action uses. The file contains two tabulations, one with detailed occupational data and the other with years of school completed by age. The data in both tabulations are crossed by sex, race, and Spanish origin. These data are provided for all counties, for all SMSA's, and for places with a population of 50,000 or more.

### MAPS

Maps necessary to define areas are generally published and included as part of the corresponding reports. Maps are published for Block Statistics (PHC80-1) and Census Tracts (PHC80-2), but must be purchased separately from the report. Maps necessary to define enumeration districts are available on a cost-of-reproduction basis.

### MICROFICHE

Some of the computer tape products are available on microfiche. The STF microfiche are issued for each State or Area and for the United States. These include:

**STF 1 Microfiche**—Data from STF 1 are presented in tabular form for all the STF 1 geographic levels described previously, except blocks.

**STF 3 Microfiche**—Data from STF 3 are presented in tabular form for all the STF 3 geographic levels.

**P.L. 94-171 Counts Microfiche**—The data from the P.L. 94-171 computer file are presented in a listing format.

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# 1980 Census of Population and Housing

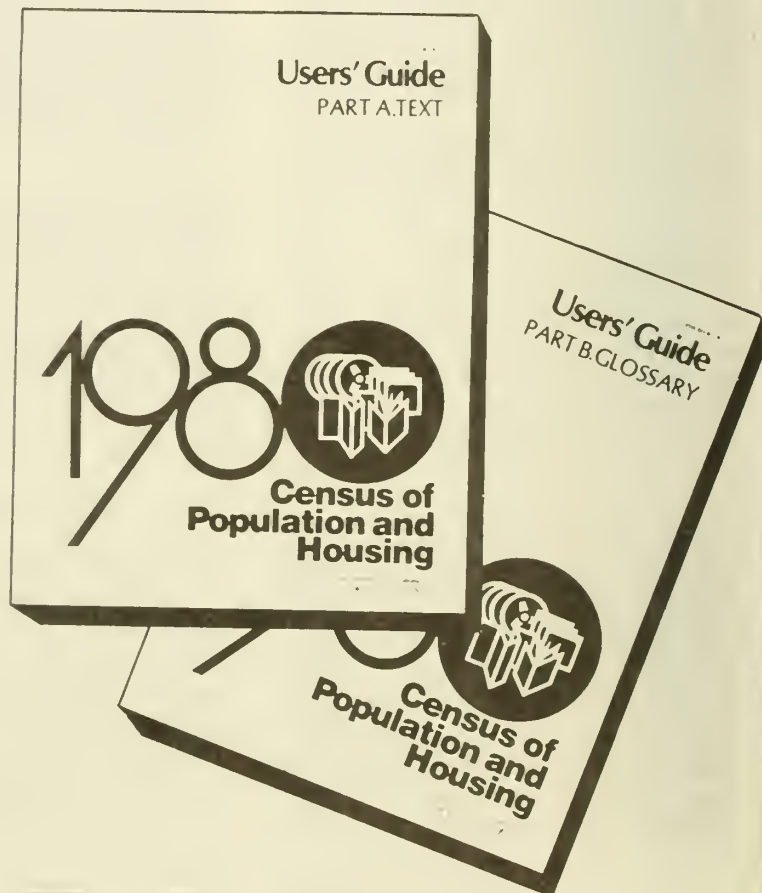
## Users' Guide

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The Users' Guide, a reference work on the 1980 census, is now available. It consists of:

- **Part A. Text** Covers census data subjects; geographic considerations; reports, tapes, maps, and other products; services available to users; and many other topics central to understanding and using 1980 census data.
- **Part B. Glossary** Provides detailed definitions of population, housing, geographic, and technical terms associated with the census—especially important for people using 1980 data on tape or microfiche.
- **Sources of Assistance** Furnishes addresses and phone numbers of public and private sector organizations offering a variety of products and services, such as tape processing, area profiles, training, and reference assistance.
- **Updates** Provide information on new developments relating to the 1980 census. Each update is keyed to the particular point in "Part A. Text" that needs revision.

Part C, a table finder, and Part D, a guide to tape contents, are planned for publication later.



Order from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. Specify the stock number (S/N) given below and make checks payable to Superintendent of Documents.

Part A. Text (S/N 003-024-03625-8)—\$5.50. Supplement 1 (S/N 003-024-05004-8)—\$6.00 (includes Part B. Glossary, Sources of Assistance, and Updates)

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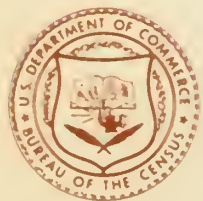
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