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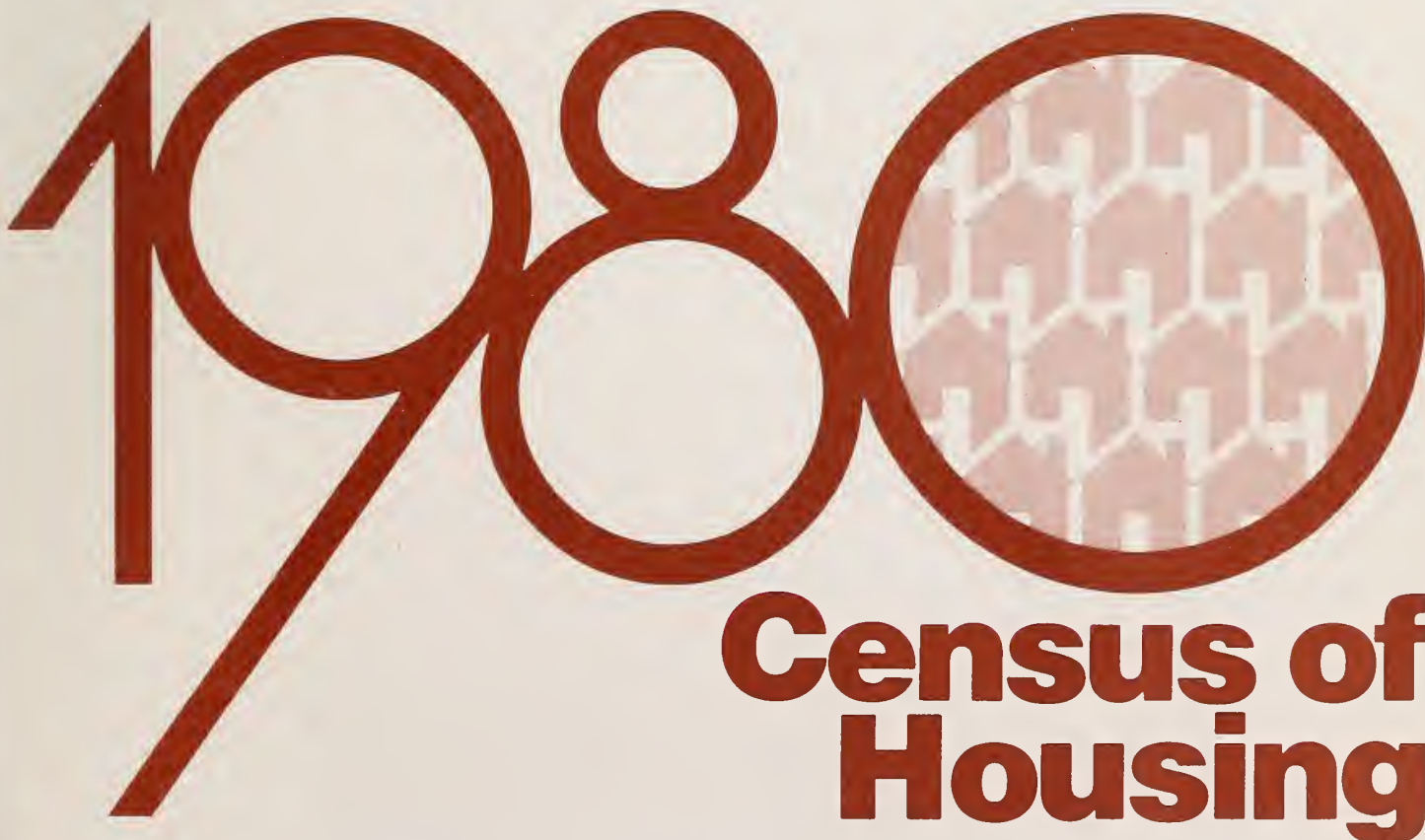
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OLYMPIA, WASH.

STANDARD METROPOLITAN STATISTICAL AREA



Census of Housing

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1980 Census of Housing

VOLUME 2

Metropolitan Housing Characteristics

OLYMPIA, WASH.

HC80-2-271

Issued November 1983



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

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

HOUSING DIVISION
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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.
21	Maine	61	Albany-Schenectady- Troy, N.Y.	97	Boise City, Idaho	132	Danbury, Conn.
22	Maryland	62	Albuquerque, N. Mex.	98	Boston, Mass.	133	Danville, Va.
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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. Oak.- 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.
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160	Fort Lauderdale-Hollywood, Fla.	200	Kansas City, Mo.-Kans.			276	Panama City, Fla.
				239	Memphis, Tenn.-Ark.- Miss.	277	Parkersburg-Marietta, W. Va.-Ohio
161	Fort Myers-Cape Coral, Fla.	201	Kenosha, Wis.	240	Meriden, Conn.	278	Pascagoula-Moss Point, Miss.
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169	Gary-Hammond-East Chicago, Ind.	209	Lakeland-Winter Haven, Fla.	247	Monroe, La.		
170	Glens Falls, N.Y.	210	Lancaster, Pa.	248	Montgomery, Ala.	286	Pittsburgh, Pa.
				249	Muncie, Ind.	287	Pittsfield, Mass.
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				254	New Bedford, Mass.	292	Poughkeepsie, N.Y.
176	Greensboro-Winston-Salem- High Point, N.C.	216	Lawrence-Haverhill, Mass.-N.H.	255	New Britain, Conn.	293	Providence-Warwick- Pawtucket, R.I.-Mass.
177	Greenville-Spartanburg, S.C.	217	Lawton, Okla.	256	New Brunswick-Perth Amboy-Sayreville, N.J.	294	Provo-Orem, Utah
178	Hagerstown, Md.	218	Lewiston-Auburn, Maine	257	New Haven-West Haven, Conn.	295	Pueblo, Colo.
179	Hamilton-Middletown, Ohio	219	Lexington-Fayette, Ky.				
180	Harrisburg, Pa.	220	Lima, Ohio	258	New London-Norwich, Conn.-R.I.	296	Racine, Wis.
		221	Lincoln, Nebr.	259	New Orleans, La.	297	Raleigh-Durham, N.C.
181	Hartford, Conn.	222	Little Rock-North Little Rock, Ark.	260	New York, N.Y.-N.J.	298	Reading, Pa.
182	Hickory, N.C.	223	Long Branch-Asbury Park, N.J.			299	Redding, Calif.
183	Honolulu, Hawaii			261	Newark, N.J.	300	Reno, Nev.
184	Houston, Tex.	224	Longview-Marshall, Tex.	262	Newark, Ohio	301	Richland-Kennewick- Pasco, Wash.
185	Huntington-Ashland, W. Va.-Ky.-Ohio	225	Lorain-Elyria, Ohio	263	Newburgh-Middletown, N.Y.	302	Richmond, Va.
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309	Sacramento, Calif.	328	Savannah, Ga.	348	Tallahassee, Fla.	367	Waterloo-Cedar Falls, Iowa
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321	San Francisco-Oakland, Calif.	341	Springfield-Chicopee-Holyoke, Mass.-Conn.	361	Victoria, Tex.	380	Yuba City, Calif.
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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

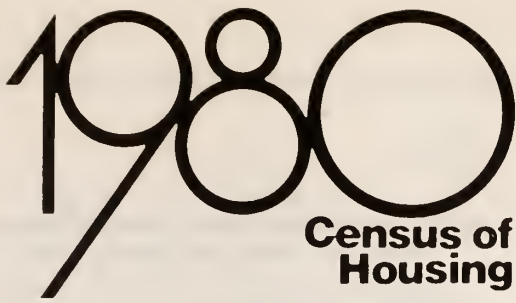
To maintain the confidentiality promised respondents and required by law, the Census Bureau takes precautions that its published data do not disclose information about specific individuals and housing units. To accomplish this, the Bureau suppresses data for characteristics which are based on a small 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

OLYMPIA, WASH.

STANDARD METROPOLITAN STATISTICAL AREA

HC80-2-271

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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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List of Tables —shows the table numbers and titles for each of the 68 tables	X
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Tables for the total SMSA have the prefix letter "A"; tables for central cities and places of 50,000 inhabitants or more, in alphabetical order, have the prefix letter "B," "C," etc.

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Olympia	B	13 to 24	—	—	—	—	—

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(Tables 14 to 24 for the White population are shown if any of the other three racial groups in the area qualify; tables 25 to 35 are shown if an area has 10,000 or more or 10 percent Black population; tables 36 to 46 are shown if an area has 10,000 or more or 10 percent American Indian, Eskimo, and Aleut population; tables 47 to 57 are shown if an area has 10,000 or more or 10 percent Asian and Pacific Islander population; and tables 58 to 68 are shown if an area has 10,000 or more or 10 percent Spanish origin population)

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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
OCCUPANCY CHARACTERISTICS						
Condominium	—	—	—	—	—	—
Year moved into unit	1	2	3	4	5	6
UTILIZATION CHARACTERISTICS						
Rooms	1	2	—	—	5	6
Persons in unit	—	—	—	—	5	6
Bedrooms	1	2	—	—	—	—
Median rooms	1	2	3	4	5	6
STRUCTURAL CHARACTERISTICS						
Units in structure	—	2	—	—	—	—
Year structure built	1	2	—	—	5	6
Stories in structure	—	2	—	—	—	—
PLUMBING CHARACTERISTICS						
Plumbing facilities	1	2	3	4	—	—
EQUIPMENT AND FUELS						
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	5	6
Water heating fuel	—	—	—	—	—	—
FINANCIAL CHARACTERISTICS						
Value	—	—	—	—	5	6
Price asked	—	—	—	—	—	—
Mortgage status and selected monthly owner costs	—	—	3	—	—	—
Selected monthly owner costs as percentage of household income	—	—	—	—	5	6
Contract rent	—	—	—	4	—	—
Gross rent	—	—	—	4	—	—
Rent asked	—	—	—	—	—	—
Gross rent as percentage of household income	—	2	—	4	—	—
Mortgage status and selected monthly owner costs as percentage of household income	1	—	3	—	—	—
HOUSEHOLD CHARACTERISTICS						
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

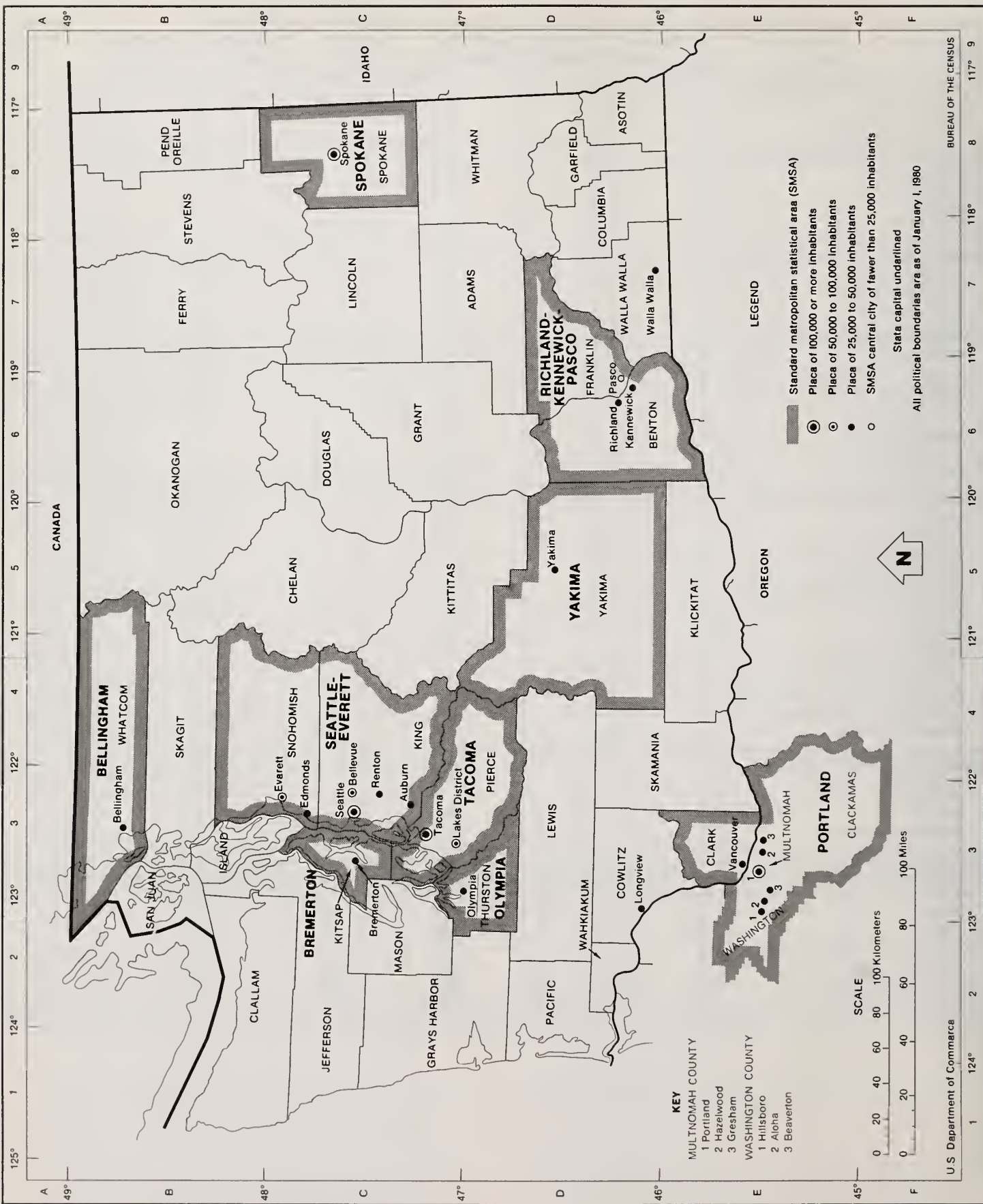
Table Finding Guide—Cross-Classification of Subjects by Table Number

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
OCCUPANCY CHARACTERISTICS							
Condominium	—	8	—	—	—	—	—
Year moved into unit	7	8	—	—	—	—	—
UTILIZATION CHARACTERISTICS							
Rooms	7	8	9	—	—	12	—
Persons in unit	7	—	—	10	—	—	—
Bedrooms	—	8	—	—	—	12	13
Median rooms	7	8	9	—	—	12	—
STRUCTURAL CHARACTERISTICS							
Units in structure	7	—	9	—	11	12	13
Year structure built	—	—	—	—	—	12	13
Stories in structure	—	—	—	—	—	—	—
PLUMBING CHARACTERISTICS							
Plumbing facilities	7	8	9	10	11	12	13
EQUIPMENT AND FUELS							
Heating equipment	7	8	—	—	—	12	—
Air conditioning	7	8	—	—	—	—	—
Vehicles available	—	8	—	—	—	—	—
House heating fuel	7	8	—	—	—	—	—
Water heating fuel	—	8	—	—	—	—	—
FINANCIAL CHARACTERISTICS							
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	—	—	—
HOUSEHOLD CHARACTERISTICS							
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



SMSA boundaries are as defined on June 19, 1981.

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-1. Value of Owner-Occupied 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

	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units -----	22 678	100	639	1 316	2 569	3 909	3 766	5 911	2 422	1 614	432	57 000	62 800
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families -----	17 270	46	266	705	1 622	2 777	2 999	4 882	2 199	1 401	373	60 700	66 500
15 to 24 years -----	429	--	20	15	127	105	95	67	--	--	--	43 900	45 600
25 to 34 years -----	3 904	--	15	128	289	857	801	1 151	410	209	44	58 100	63 000
35 to 44 years -----	4 369	--	33	104	212	650	632	1 337	714	532	155	67 400	74 400
45 to 64 years -----	6 391	23	79	285	601	827	1 106	1 892	864	558	156	62 100	68 400
65 years and over -----	2 177	23	119	173	393	338	365	435	211	102	18	50 800	55 200
Male householder, no wife present -----	1 776	22	74	240	267	290	271	404	79	115	14	49 800	53 700
15 to 24 years -----	131	--	--	23	38	44	2	24	--	--	--	42 500	43 400
25 to 34 years -----	497	10	10	47	79	90	103	122	23	10	3	51 000	52 500
35 to 44 years -----	352	--	6	24	23	64	49	116	14	56	--	61 700	65 200
45 to 64 years -----	412	12	34	37	43	45	69	88	30	46	8	53 900	58 800
65 years and over -----	384	--	24	109	84	47	48	54	12	3	3	35 400	43 000
Female householder, no husband present -----	3 632	32	299	371	680	842	496	625	144	98	45	45 400	49 600
15 to 24 years -----	40	5	10	2	7	10	--	--	6	--	--	33 000	35 800
25 to 34 years -----	602	--	12	29	82	219	92	99	41	19	9	47 800	54 700
35 to 44 years -----	658	1	34	38	111	158	93	142	36	39	6	49 200	55 100
45 to 64 years -----	1 032	11	54	70	200	228	173	214	41	18	23	48 300	53 900
65 years and over -----	1 300	15	189	232	280	227	138	170	20	22	7	37 800	41 400
Median age -----	45.8	59.1	65.8	59.5	53.4	41.6	45.2	44.2	44.5	44.1	44.9	...	...
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980 -----	4 305	4	38	95	264	665	828	1 469	506	354	82	63 100	68 500
1975 to 1978 -----	7 819	22	91	249	709	1 594	1 358	2 034	954	650	158	59 100	65 800
1970 to 1974 -----	4 020	9	79	292	522	576	619	1 109	411	291	112	58 000	63 900
1960 to 1969 -----	3 782	47	193	473	709	545	837	432	337	245	43	52 900	59 200
1959 or earlier -----	2 752	18	238	422	601	365	416	462	119	74	37	44 300	48 700
ROOMS													
1 to 3 rooms -----	659	35	103	130	109	125	14	87	26	22	8	33 900	41 300
4 rooms -----	2 230	29	196	399	609	371	284	198	75	60	9	38 200	42 600
5 rooms -----	4 660	34	160	392	808	1 275	883	801	196	97	14	47 500	50 100
6 rooms -----	5 681	2	108	263	689	1 268	1 273	1 411	477	158	32	53 600	57 300
7 rooms -----	4 643	--	49	97	184	581	887	1 879	615	311	40	64 700	67 800
8 or more rooms -----	4 805	--	23	35	170	289	425	1 535	1 033	966	329	79 100	89 000
Median -----	6.2	4.0	4.6	4.8	5.2	5.6	6.1	6.7	7.2	7.9	8.5+	...	...
BEDROOMS													
None -----	47	6	8	19	7	--	--	--	7	--	--	28 000	34 000
1 -----	762	29	127	147	149	120	52	93	25	16	4	34 200	39 500
2 -----	4 383	56	287	593	990	851	606	621	205	148	26	42 900	47 800
3 -----	12 641	9	170	508	1 189	2 465	2 429	3 847	1 202	660	162	57 700	62 200
4 -----	4 035	--	38	49	191	432	617	1 129	786	622	171	73 300	79 500
5 or more -----	810	--	9	--	43	41	62	221	197	168	69	82 400	93 600
YEAR STRUCTURE BUILT													
1975 to March 1980 -----	6 472	12	35	54	298	884	1 211	2 244	931	657	146	66 000	72 000
1970 to 1974 -----	3 736	5	40	150	413	661	492	1 122	470	276	107	61 500	66 900
1960 to 1969 -----	4 292	13	73	120	393	728	789	1 211	548	346	71	60 400	66 100
1950 to 1959 -----	2 736	7	83	250	403	661	534	499	174	83	42	49 500	54 700
1940 to 1949 -----	2 075	12	129	264	381	420	326	310	100	107	26	45 400	51 400
1939 or earlier -----	3 367	51	279	478	681	555	414	525	199	145	40	43 800	49 800
HOUSEHOLD INCOME IN 1979													
Less than \$5,000 -----	1 233	11	180	173	257	222	150	137	48	45	10	39 800	45 200
\$5,000 to \$9,999 -----	2 281	30	197	333	508	485	273	308	77	58	12	41 400	45 000
\$10,000 to \$14,999 -----	1 241	9	53	103	208	313	247	238	50	13	7	47 900	50 100
\$15,000 to \$19,999 -----	1 200	--	63	133	249	260	194	196	41	64	--	45 800	50 100
\$20,000 to \$24,999 -----	3 046	30	57	211	432	654	777	658	128	90	9	51 700	53 300
\$25,000 to \$29,999 -----	3 594	17	30	185	364	788	663	1 148	281	81	37	55 300	58 400
\$30,000 to \$34,999 -----	5 605	1	26	110	374	823	1 051	1 859	875	392	94	63 900	68 400
\$35,000 to \$49,999 -----	3 298	2	29	58	147	300	328	1 084	651	576	123	74 600	81 200
\$50,000 or more -----	1 180	--	4	10	30	64	83	283	271	295	140	91 100	101 000
Median -----	\$23 106	\$13 750	\$8 083	\$13 421	\$15 659	\$20 118	\$21 933	\$26 174	\$31 250	\$35 988	\$39 436	...	...
Mean -----	\$25 141	\$13 783	\$11 815	\$14 750	\$17 361	\$20 546	\$22 742	\$27 170	\$34 560	\$40 516	\$49 861	...	...
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage -----	16 835	46	237	514	1 521	3 104	2 907	4 779	1 995	1 364	368	60 300	66 300
Less than 15 percent -----	4 922	11	66	131	478	904	830	1 300	664	444	94	60 600	67 200
15 to 19 percent -----	3 623	18	48	125	361	610	571	1 041	471	283	95	61 500	67 200
20 to 24 percent -----	2 697	7	29	103	233	534	416	791	314	217	53	60 500	65 600
25 to 29 percent -----	1 975	5	6	59	139	387	364	624	203	143	45	60 800	66 000
30 to 34 percent -----	1 049	3	--	14	92	182	200	341	131	61	25	61 800	68 100
35 percent or more -----	2 482	2	88	77	213	469	520	655	206	202	50	57 300	63 100
Not computed -----	87	--	--	5	5	18	6	27	6	14	6	63 200	78 800
Median -----	19.8	18.3	20.8	19.9	18.9	20.3	20.6	20.2	18.5	19.1	19.6	...	...
Not mortgaged -----	5 843	54	402	802	1 048	805	859	1 132	427	250	64	47 900	52 600
Less than 10 percent -----	3 203	42	144	365	462	501	551	752	314	168	47	52 500	57 600
10 to 14 percent -----	1 097	8	61	167	235	169	181	175	64	34	3	44 600	48 600
15 to 19 percent -----	461	--	38	93	99	48	71	70	12	30	--	40 100	47 400
20 to 24 percent -----	393	--	38	74	97	82	26	50	12	7	7	39 000	46 500
25 to 29 percent -----	186	4	30	16	38	33	30	24	6	5	--	41 300	43 100
30 to 34 percent -----	115	--	23	15	32	17	--	16	6	6	--	34 100	43 300
35 percent or more -----	349	--	65	55	72	48	50	45	7	--	7	37 900	42 700
Not computed -----	39	--	3	17	13	--	--	--	6	--	--	27 300	37 800
Median -----	10--	10--	14.5	10.8	11.2	10--	10--	10--	10--	10--	10--	...	...
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use -----	22 646	100	639	1 305	2 565	3 904	3 761	5 904	2 422	1 614	432	57 000	62 800
1.01 or more persons per room -----	364	6	9	33	92	87	65	35	20	17	--	44 700	49 600
Lacking complete plumbing for exclusive use -----	32	7	--	11	4	5	5	7	--	--	--	41 000	43 500
1.01 or more persons per room -----	7	--	--	7	--	--	--	--	--	--	--	26 300	26 300
Heating equipment -----	22 678	100	639	1 316	2 569	3 							

Table A-2. Gross Rent of Renter-Occupied Housing Units: 1980

[Oato ore estimates based on o sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	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)
Specified renter-occupied housing units	14 752	533	874	1 842	3 300	3 192	1 972	1 138	962	449	490	259
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	5 299	35	151	325	993	1 251	897	604	565	276	202	292
15 to 24 years.....	1 280	5	36	122	395	390	196	69	44	21	2	260
25 to 34 years.....	2 086	11	28	115	389	513	408	265	242	48	67	296
35 to 44 years.....	722	—	19	39	65	131	112	133	121	87	15	344
45 to 64 years.....	798	10	36	34	69	165	140	89	119	64	72	317
65 years and over.....	413	9	32	15	75	52	41	48	39	56	46	301
Male householder, no wife present	3 679	119	298	678	966	734	379	177	184	70	74	236
15 to 24 years.....	1 018	9	95	168	313	224	90	36	37	24	22	235
25 to 34 years.....	1 536	37	100	244	415	351	164	100	95	4	26	245
35 to 44 years.....	462	16	30	85	117	81	68	12	30	12	11	240
45 to 64 years.....	463	19	39	131	114	72	45	22	7	9	5	216
65 years and over.....	200	38	34	50	7	6	12	5	13	23	10	169
Female householder, no husband present	5 774	379	425	839	1 341	1 207	696	357	213	103	214	242
15 to 24 years.....	1 314	19	116	238	432	260	172	55	12	—	10	224
25 to 34 years.....	1 821	36	91	321	418	454	253	158	42	20	28	253
35 to 44 years.....	521	17	20	62	98	86	109	55	40	12	22	276
45 to 64 years.....	656	45	34	45	181	193	53	32	17	12	44	250
65 years and over.....	1 462	262	164	173	212	214	109	57	102	59	110	225
Median age	30.9	69.2	32.4	29.5	28.2	29.4	30.5	32.7	35.4	44.7	50.7	...
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980.....	9 107	170	462	1 001	2 069	2 089	1 397	771	722	262	164	268
1975 to 1978.....	4 027	217	253	628	953	886	417	275	151	79	168	244
1970 to 1974.....	1 030	111	101	178	178	142	82	62	51	72	53	221
1960 to 1969.....	428	27	27	35	76	52	56	30	34	36	55	277
1959 or earlier.....	160	8	31	—	24	23	20	—	4	—	50	217
ROOMS												
1 room.....	292	32	127	89	19	15	—	—	—	—	10	143
2 rooms.....	1 238	152	216	365	285	73	61	17	11	6	52	179
3 rooms.....	3 012	237	220	697	1 108	366	168	47	58	62	49	212
4 rooms.....	5 042	537	140	406	1 235	1 702	880	317	95	61	148	269
5 rooms.....	3 039	23	101	237	413	808	595	432	261	60	109	292
6 rooms.....	1 240	27	48	46	136	159	211	213	271	62	67	340
7 or more rooms.....	889	4	22	2	104	69	57	112	266	198	55	418
Median	4.1	2.8	2.9	3.2	3.7	4.2	4.4	4.9	5.7	6.1	4.4	...
PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979												
All income levels in 1979	14 752	533	874	1 842	3 300	3 192	1 972	1 138	962	449	490	259
Complete plumbing for exclusive use	14 512	478	746	1 829	3 288	3 184	1 966	1 138	957	436	490	260
0.50 or less.....	9 257	421	536	1 207	2 205	2 117	1 109	565	489	265	343	252
0.51 to 1.00.....	4 733	53	180	562	992	956	794	491	445	140	120	277
1.01 to 1.50.....	397	4	22	31	81	76	39	73	23	31	17	289
1.51 or more.....	125	—	8	29	10	35	24	9	—	—	10	267
Lacking complete plumbing for exclusive use	240	55	128	13	12	8	6	—	5	13	—	123
0.50 or less.....	101	30	45	6	9	—	6	—	5	—	—	123
0.51 to 1.00.....	114	24	83	7	—	—	—	—	—	—	—	118
1.01 to 1.50.....	24	—	—	—	3	8	—	—	—	13	—	500+
1.51 or more.....	1	—	—	—	—	—	—	—	—	—	—	95
Income in 1979 below poverty level	2 884	285	333	416	587	592	219	183	127	57	85	230
Complete plumbing for exclusive use	2 768	258	266	415	587	584	219	183	127	44	85	234
1.01 or more persons per room.....	195	—	18	15	34	40	18	35	12	15	8	289
Lacking complete plumbing for exclusive use	116	27	67	1	—	8	—	—	—	13	—	120
1.01 or more persons per room.....	22	—	—	—	—	8	—	—	—	13	—	500+
BEDROOMS												
None.....	455	39	199	151	35	15	6	—	—	—	10	146
1.....	4 245	393	382	1 118	1 470	409	164	79	72	58	100	205
2.....	7 051	84	186	451	1 512	2 413	1 382	474	225	114	210	275
3.....	2 494	5	67	107	250	315	396	499	525	170	160	353
4.....	437	12	34	15	28	30	24	67	128	89	10	403
5 or more.....	70	—	6	—	5	10	—	19	12	18	—	387
UNITS IN STRUCTURE												
1, detached or attached.....	4 886	52	173	400	837	858	753	551	682	295	285	299
2.....	2 164	10	58	113	360	656	523	306	88	35	15	292
3 and 4.....	1 149	2	46	110	241	403	164	109	37	18	19	270
5 to 9.....	866	52	81	163	141	219	100	52	36	11	11	246
10 to 49.....	2 679	107	299	572	849	527	191	50	48	4	32	218
50 or more.....	1 837	304	119	284	453	350	127	50	63	83	4	229
Mobile home or trailer, etc.....	1 171	6	98	200	419	179	114	20	8	3	124	221
YEAR STRUCTURE BUILT												
1975 to March 1980.....	3 903	129	118	175	574	1 104	795	443	347	124	94	292
1970 to 1974.....	3 247	137	197	445	824	748	377	176	158	106	79	249
1960 to 1969.....	3 369	5	105	477	1 037	716	344	215	192	161	117	250
1950 to 1959.....	1 294	29	84	173	371	217	98	61	28	21	247	247
1940 to 1949.....	1 306	9	125	309	261	202	155	106	85	—	54	233
1939 or earlier.....	1 633	224	245	263	233	210	84	100	119	30	125	204
STORIES IN STRUCTURE												
1 to 3.....	14 302	387	856	1 779	3 263	3 144	1 937	1 125	925	400	486	260
4 or more.....	450	146	18	63	37	48	35	13	37	49	4	196
With elevator.....	431	146	12	50	37	48	35	13	37	49	4	210
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979												
Less than 15 percent.....	2 135	96	205	345	612	414	276	96	53	38	—	234
15 to 19 percent.....	2 211	80	105	262	499	504	369	198	147	47	—	267
20 to 24 percent.....	1 848	117	59	228	428	431	315	97	124	49	—	261
25 to 29 percent.....	1 803	105	81	224	373	400	226	200	126	68	—	262
30 to 34 percent.....	1 217	65	47	145	251	283	144	138	113	31	—	264
35 to 49 percent.....	2 152	47	203	238	469	498	312	161	156	68	—	265
50 percent or more.....	2 704	19	164	361	631	604	307	234	236	148	—	262
Not computed.....	682	4	10	39	37	58	23	14	7	—	—	490
Median	27.3	23.8	28.9	26.5	26.2	27.7	25.3	29.3	31.2	33.6	...	...
SELECTED CHARACTERISTICS												
Heating equipment	14 752	533	874	1 842	3 300	3 192	1 972	1 138	962	449	490	259
Central heating system.....	12 732	446	604	1 524	2 830	2 929	1 776	972	884	428	339	263
Air conditioning	363	12	15	51	68	27	84	14	6	48	38	287
Central system.....	182	—	—	33	51	7	41	14	4	24	8	261

Table A-3. Income and Poverty Status in 1979 of Owner-Occupied 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	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
Owner-occupied housing units	30 939	2 003	3 467	1 945	1 823	4 265	4 704	7 081	4 102	1 549	21 894	24 207	1 756
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	22 886	546	1 583	1 141	1 157	3 123	3 854	6 352	3 713	1 417	25 046	27 367	684
15 to 24 years	636	36	68	52	67	193	120	89	11	-	17 262	17 199	57
25 to 34 years	4 832	80	164	207	296	925	1 095	1 475	480	110	23 183	24 487	143
35 to 44 years	5 555	88	147	178	141	473	1 097	1 810	1 142	479	27 576	31 423	192
45 to 64 years	8 689	197	421	318	353	1 030	1 192	2 565	1 872	741	27 946	30 466	197
65 years and over	3 174	145	783	386	300	502	350	413	208	87	14 775	18 210	95
Male householder, no wife present	2 757	339	461	217	219	387	388	398	247	101	16 605	19 903	244
15 to 24 years	182	20	34	36	18	19	28	15	10	2	12 639	15 653	21
25 to 34 years	694	41	70	39	47	144	137	113	81	22	20 163	22 113	55
35 to 44 years	569	25	49	23	34	110	123	117	57	31	21 265	26 087	31
45 to 64 years	719	123	104	44	60	80	82	110	88	28	16 657	19 888	96
65 years and over	593	130	204	75	60	34	18	43	11	18	8 512	12 705	41
Female householder, no husband present	5 296	1 118	1 423	587	447	755	462	331	142	31	10 456	12 788	828
15 to 24 years	106	17	39	13	6	14	11	6	-	-	9 464	10 924	29
25 to 34 years	815	75	181	130	81	152	105	64	20	7	13 164	14 785	146
35 to 44 years	802	82	203	94	101	146	80	68	28	-	13 045	14 744	130
45 to 64 years	1 601	247	311	198	149	319	175	128	61	13	13 247	14 911	214
65 years and over	1 972	697	689	152	110	124	91	65	33	11	6 784	9 545	309
Median age	47.3	64.2	64.2	53.4	52.0	44.2	41.2	43.8	46.6	47.3	...	...	49.0
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	5 995	247	585	372	433	905	1 053	1 391	767	242	21 927	23 683	321
1975 to 1978	10 819	552	953	645	610	1 635	1 894	2 581	1 403	546	22 441	24 751	549
1970 to 1974	5 695	365	577	349	248	686	854	1 377	686	370	23 414	25 331	322
1960 to 1969	4 927	448	597	297	259	591	529	1 089	817	300	22 598	26 362	354
1959 or earlier	3 503	391	755	282	273	448	374	643	246	91	15 517	18 562	210
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use	30 789	1 970	3 436	1 926	1 815	4 253	4 696	7 042	4 102	1 549	21 925	24 256	1 736
1.01 or more persons per room	576	2	40	52	37	76	94	138	103	34	23 646	26 503	37
Lacking complete plumbing for exclusive use	150	33	31	19	8	12	8	39	-	-	11 447	13 985	20
1.01 or more persons per room	27	-	1	2	6	7	-	11	-	-	16 607	21 013	1
Heating equipment	30 930	2 000	3 467	1 945	1 823	4 265	4 698	7 081	4 102	1 549	21 897	24 210	1 753
Central heating system	26 014	1 476	2 710	1 630	1 532	3 510	3 810	6 307	3 660	1 379	22 562	24 806	1 332
Air conditioning	1 954	95	197	62	132	247	255	423	192	24	778	29 551	75
Central system	1 257	65	108	24	53	124	132	325	273	153	28 580	32 102	46
Vehicles available	30 059	1 628	3 157	1 873	1 793	4 225	4 669	7 070	4 095	1 549	22 277	24 688	1 544
1	7 628	937	1 783	793	736	1 351	881	799	88	18	15 522	15 483	693
2 or more	22 431	691	1 374	1 080	1 057	2 874	3 788	6 271	3 835	1 461	25 430	27 819	851
House heating fuel	30 930	2 000	3 467	1 945	1 823	4 265	4 698	7 081	4 102	1 549	21 897	24 210	1 753
Utility gas	6 268	258	529	315	279	786	1 032	1 668	1 006	395	24 693	26 587	223
Bottled, tank, or LP gas	610	65	93	45	40	104	87	97	51	28	18 056	20 365	59
Electricity	15 809	1 029	1 800	1 087	1 018	2 251	2 342	3 622	1 977	683	21 394	23 481	997
Fuel oil, kerosene, etc.	5 038	377	651	324	322	583	601	1 137	729	314	21 728	24 630	237
Other	3 205	271	394	174	164	541	636	557	339	129	20 404	23 224	237
Median rooms	5.9	4.8	4.9	5.2	5.3	5.7	6.0	6.4	6.9	7.3	...	...	5.3
Specified owner-occupied housing units	22 678	1 233	2 281	1 241	1 200	3 046	3 594	5 605	3 298	1 180	23 106	25 141	1 179
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
With a mortgage	16 835	553	1 067	755	828	2 228	2 955	4 699	2 816	934	25 053	27 008	774
Less than \$200	1 031	121	241	89	119	125	100	156	73	7	13 855	16 543	153
\$200 to \$249	1 633	60	154	191	104	341	281	336	126	40	19 323	21 399	96
\$250 to \$299	2 067	35	181	88	105	296	440	607	277	38	23 514	24 260	81
\$300 to \$349	2 139	69	106	122	206	289	387	572	327	61	23 279	24 508	77
\$350 to \$399	2 003	88	87	39	62	350	434	572	287	84	23 836	28 375	112
\$400 to \$499	3 466	77	142	136	104	459	652	1 063	663	170	26 110	27 773	123
\$500 to \$599	2 110	53	83	51	51	222	406	671	417	156	26 605	29 243	58
\$600 to \$749	1 440	43	26	31	63	120	157	486	373	141	29 962	32 294	50
\$750 or more	946	7	47	8	14	26	98	236	273	237	34 208	41 029	24
Median	\$389	\$344	\$288	\$304	\$321	\$359	\$381	\$410	\$444	\$543	...	...	\$337
Not mortgaged	5 843	680	1 214	486	372	818	639	906	482	246	15 963	19 760	405
Less than \$50	199	71	38	15	7	34	19	8	7	-	7 159	11 643	31
\$50 to \$74	682	139	213	88	46	103	44	39	10	-	9 769	11 646	71
\$75 to \$99	1 215	182	348	141	86	108	158	108	70	14	11 374	14 906	111
\$100 to \$124	1 419	172	284	97	88	278	157	240	79	24	16 189	17 265	117
\$125 to \$149	1 036	63	156	73	56	181	137	242	86	42	19 707	23 290	42
\$150 to \$199	876	39	120	58	63	85	78	204	169	60	24 609	25 605	26
\$200 to \$249	267	6	35	14	8	24	46	29	39	66	25 089	35 629	4
\$250 or more	149	8	20	-	18	5	-	36	22	40	32 577	43 746	3
Median	\$115	\$93	\$101	\$100	\$113	\$115	\$116	\$131	\$147	\$186	...	...	\$98
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage	16 835	553	1 067	755	828	2 228	2 955	4 699	2 816	934	25 053	27 008	774
Less than 15 percent	4 922	-	13	2	66	193	544	1 714	1 705	685	34 532	38 942	7
15 to 19 percent	3 623	7	21	45	107	469	789	1 392	612	181	27 413	28 824	-
20 to 24 percent	2 697	-	76	192	108	471	676	791	334	49	23 724	24 772	14
25 to 29 percent	1 975	-	119	98	199	422	521	490	112	14	21 354	21 634	42
30 to 34 percent	1 049	6	98	90	107	298	225	188	32	5	18 545	19 330	12
35 percent or more	2 482	453	740	328	241	375	200	124	21	-	10 366	11 605	612
Not computed	87	87	-	-	-	-	-	-	-	-	2500-	-385	87
Median	19.8	50+	45.5	32.2	28.3	24.8	21.1	17.3	13.7	10.8	...	...	50+
Not mortgaged	5 843	680	1 214	486	372	818	639	906	482	246	15 963	19 760	405
Less than 10 percent	3 203	10	110	165	170	604	561	862	475	246	24 794	28 716	20
10 to 14 percent	1 097	45	389	224	137	173	78	44	7	-	11 278	12 654	6
15 to 19 percent	461	74	236	68	47	36	-	-	-	-	8 032	8 687	30
20 to 24 percent	393	98	259	29	7	-	-	-	-	-	6 263	6 622	24
25 to 29 percent	186	74	107	-	5	-	-	-	-	-	5 505	5 355	53
30 to 34 percent	115	56	53	-	6	-	-	-	-	-	5 091		

Table A—4. Income and Poverty Status in 1979 of 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 appendixes A and B.]

The SMSA	Household income in 1979											Income in 1979 below poverty level	
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)		Mean (dollars)
Renter-occupied housing units	15 436	2 965	3 738	1 884	1 410	2 269	1 359	1 243	460	108	11 347	13 484	2 997
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	5 719	430	1 139	621	632	1 103	719	705	324	46	15 165	17 040	623
15 to 24 years	1 356	105	432	214	127	254	133	85	6	—	11 647	13 112	157
25 to 34 years	2 227	118	382	244	317	486	338	241	98	3	15 509	16 726	204
35 to 44 years	766	58	104	58	46	159	73	171	94	3	18 765	20 162	126
45 to 64 years	868	95	114	57	63	125	127	161	86	40	19 333	21 915	112
65 years and over	502	54	107	48	79	79	48	47	40	—	13 829	15 855	24
Male householder, no wife present	3 777	685	819	479	274	670	379	299	116	56	12 007	14 406	647
15 to 24 years	1 018	268	339	134	77	123	61	27	9	—	8 816	9 699	310
25 to 34 years	1 587	202	299	248	129	325	171	139	54	20	13 362	15 350	201
35 to 44 years	490	45	38	37	32	111	89	84	41	13	19 338	20 095	47
45 to 64 years	474	74	114	36	14	93	70	42	12	19	14 821	17 511	49
65 years and over	208	96	29	24	22	18	8	7	—	4	6 333	9 764	40
Female householder, no husband present	5 940	1 850	1 780	784	504	496	261	239	20	6	7 945	9 474	1 727
15 to 24 years	1 348	468	483	126	100	115	27	29	—	—	7 102	8 102	611
25 to 34 years	1 871	313	618	378	207	137	109	95	8	6	10 030	11 106	465
35 to 44 years	538	115	128	63	58	60	61	51	2	—	11 032	12 188	127
45 to 64 years	664	205	130	79	38	157	32	23	—	—	9 911	10 310	147
65 years and over	1 519	749	421	138	101	27	32	41	10	—	5 097	7 355	377
Median age	31.0	35.3	28.7	29.2	29.6	30.9	32.5	35.2	40.7	46.4	...	...	28.2
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	9 424	1 682	2 565	1 098	783	1 411	806	758	249	72	11 059	13 265	2 062
1975 to 1978	4 211	811	815	570	397	695	399	355	140	29	12 103	14 086	627
1970 to 1974	1 131	251	202	157	159	120	104	84	47	7	11 791	14 329	155
1960 to 1969	479	149	117	46	50	33	35	32	17	—	8 914	11 473	84
1959 or earlier	191	72	39	13	21	10	15	14	7	—	8 826	11 067	69
PLUMBING FACILITIES BY PERSONS PER ROOM													
Complete plumbing for exclusive use	15 187	2 812	3 678	1 874	1 404	2 266	1 354	1 237	454	108	11 472	13 598	2 881
0.50 or less	9 680	2 085	2 233	1 244	946	1 337	785	750	223	77	11 049	13 044	1 604
0.51 to 1.00	4 954	650	1 270	544	439	850	524	453	207	17	12 574	14 594	1 064
1.01 to 1.50	421	55	130	71	19	55	34	19	24	14	10 898	15 162	164
1.51 or more	132	22	45	15	—	24	11	15	—	—	9 844	11 851	49
Lacking complete plumbing for exclusive use	249	153	60	10	6	3	5	6	6	—	4 346	6 526	116
0.50 or less	110	66	28	5	—	—	5	6	—	—	4 450	6 349	48
0.51 to 1.00	114	65	32	5	6	—	—	—	6	—	4 608	7 129	46
1.01 to 1.50	24	21	—	—	—	3	—	—	—	—	2 500—	4 720	21
1.51 or more	1	1	—	—	—	—	—	—	—	—	2 500—	615	1
SELECTED CHARACTERISTICS													
Heating equipment	15 436	2 965	3 738	1 884	1 410	2 269	1 359	1 243	460	108	11 347	13 484	2 997
Central heating system	13 123	2 414	3 037	1 597	1 244	1 972	1 231	1 109	426	93	11 738	13 841	2 389
Air conditioning	375	90	79	53	34	56	15	13	10	25	10 873	18 028	88
Central system	191	55	43	34	21	8	8	5	10	7	9 609	14 928	69
Vehicles available	13 181	1 758	3 104	1 740	1 297	2 192	1 337	1 212	433	108	12 483	14 676	1 993
1	7 683	1 398	2 319	1 105	748	1 097	522	363	101	30	10 282	11 785	1 403
2 or more	5 498	360	785	635	549	1 095	815	849	332	78	16 977	18 716	590
House heating fuel	15 436	2 965	3 738	1 884	1 410	2 269	1 359	1 243	460	108	11 347	13 484	2 997
Utility gas	2 482	636	695	214	198	331	187	134	69	18	9 328	12 019	611
Bottled, tank, or LP gas	364	62	94	54	17	61	14	62	—	—	11 204	13 594	53
Electricity	10 664	1 908	2 499	1 361	1 035	1 591	995	855	352	68	11 699	13 706	1 954
Fuel oil, kerosene, etc.	1 274	223	272	164	106	208	130	132	26	13	12 165	14 913	179
Other	652	136	178	91	54	78	33	60	13	9	10 330	12 587	200
Median rooms	4.1	3.5	3.9	4.0	4.2	4.2	4.7	4.7	5.0	4.7	...	...	3.9
Specified renter-occupied housing units	14 752	2 888	3 553	1 791	1 334	2 189	1 297	1 169	423	108	11 305	13 429	2 884
CONTRACT RENT													
Less than \$100	928	546	183	92	24	34	17	27	5	—	4 545	6 684	435
\$100 to \$149	1 481	545	444	163	89	106	66	53	15	—	6 902	9 052	439
\$150 to \$199	3 672	642	1 108	577	324	549	300	143	23	6	10 373	11 484	627
\$200 to \$249	3 565	573	885	564	392	515	282	249	86	19	11 438	13 139	725
\$250 to \$299	2 644	270	485	226	309	539	346	348	106	15	15 255	16 314	325
\$300 to \$349	940	69	185	58	53	236	99	158	82	—	16 862	18 165	154
\$350 to \$399	511	12	64	24	75	101	68	95	57	15	19 326	21 521	42
\$400 to \$499	344	46	61	30	5	36	66	50	26	24	19 464	23 916	49
\$500 or more	177	20	12	29	32	30	12	16	23	3	14 648	18 842	3
No cash rent	490	165	126	28	31	43	41	30	—	26	8 357	13 725	85
Median	\$216	\$172	\$199	\$206	\$229	\$240	\$243	\$262	\$280	\$353	...	...	\$189
GROSS RENT													
Less than \$100	533	394	66	53	13	4	—	3	—	—	4 031	4 920	285
\$100 to \$149	874	426	230	90	30	39	23	25	11	—	5 196	7 782	333
\$150 to \$199	1 842	462	644	237	162	223	86	20	8	—	8 354	9 503	416
\$200 to \$249	3 300	577	944	515	290	434	260	216	58	6	10 626	12 077	587
\$250 to \$299	3 192	463	764	476	312	592	299	203	64	19	11 938	13 604	592
\$300 to \$349	1 972	172	379	182	228	361	288	281	66	15	15 285	16 648	219
\$350 to \$399	1 138	104	192	107	147	231	107	159	91	—	15 290	16 933	183
\$400 to \$499	962	81	162	67	79	203	113	176	67	15	17 746	18 618	127
\$500 or more	449	44	46	37	42	59	80	56	58	27	19 787	24 872	57
No cash rent	490	165	126	28	31	43	41	30	—	26	8 357	13 725	85
Median	\$259	\$206	\$241	\$249	\$273	\$284	\$293	\$318	\$352	\$407	...	...	\$230
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
Less than 15 percent	2 135	—	46	107	76	321	489	674	340	82	25 322	27 641	21
15 to 19 percent	2 211	52	105	136	273	718	493	364	70	—	18 865	19 212	49
20 to 24 percent	1 848	102	165	412	318	597	147	101	6	—	14 426	14 556	134
25 to 29 percent	1 803	122	427	499	323	317	108	—	7	—	11 766	12 143	152
30 to 34 percent	1 217	97	486	294	193	132	15	—	—	—	10 217	10 347	173
35 to 49 percent	2 152	312	1 398	278	99	61	4	—	—	—	7 595	7 939	351
50 percent or more	2 704	1 846	800	37	21	—	—	—	—	—	3 992	4 253	1 727
Not computed	682	357	126	28	31	43	41	30	—	26	4 655	9 747	277
Median	27.3	50+	3										

Table A-5. Selected Monthly Owner Costs for 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]

The SMSA	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 -----	16 835	1 031	1 633	2 067	2 139	2 003	3 466	2 110	1 440	946	389
PERSONS IN UNIT											
1 person -----	1 494	247	204	199	205	134	272	141	56	36	324
2 persons -----	4 715	378	469	650	568	586	644	573	440	207	375
3 persons -----	3 505	123	354	516	473	408	720	405	312	194	385
4 persons -----	4 305	190	376	379	537	588	1 038	612	318	267	408
5 persons -----	1 842	67	146	220	241	182	375	267	220	124	416
6 persons -----	646	26	48	77	62	74	149	74	80	56	427
7 persons -----	244	—	29	20	45	20	52	29	6	43	412
8 or more persons -----	84	—	7	6	8	11	16	9	8	19	445
Median -----	3.13	2.21	2.91	2.86	3.13	3.19	3.36	3.34	3.22	3.63	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families -----	13 436	657	1 190	1 605	1 653	1 627	2 814	1 761	1 275	854	400
15 to 24 years -----	400	28	50	55	46	18	93	69	35	6	402
25 to 34 years -----	3 745	101	263	285	426	477	956	594	407	236	435
35 to 44 years -----	4 110	142	241	422	470	470	842	629	491	403	437
45 to 64 years -----	4 629	316	550	707	641	602	858	446	313	196	358
65 years and over -----	552	70	86	136	70	60	65	23	29	13	294
Male householder, no wife present -----	1 273	119	109	157	158	119	279	161	128	43	389
15 to 24 years -----	106	16	19	7	26	11	7	20	—	—	321
25 to 34 years -----	472	41	26	47	34	76	133	57	52	6	411
35 to 44 years -----	333	24	38	41	48	9	60	50	44	19	407
45 to 64 years -----	300	36	24	32	38	23	63	34	32	18	393
65 years and over -----	62	2	2	30	12	—	16	—	—	—	295
Female householder, no husband present -----	2 126	255	334	305	328	257	373	188	37	49	326
15 to 24 years -----	18	14	2	2	—	—	—	—	—	—	182
25 to 34 years -----	569	19	69	55	118	95	113	58	19	23	362
35 to 44 years -----	595	42	94	96	92	66	121	67	14	3	336
45 to 64 years -----	613	60	146	122	68	63	104	42	—	8	291
65 years and over -----	331	120	23	30	50	33	35	21	4	15	288
Median age -----	40.7	49.4	45.4	45.5	41.4	40.4	38.6	37.8	38.7	39.6	...
YEAR HOUSEHOLDER MOVED INTO UNIT											
1979 to March 1980 -----	3 854	107	91	136	228	305	766	919	752	550	532
1975 to 1978 -----	6 932	285	443	680	852	1 066	1 919	908	503	276	407
1970 to 1974 -----	3 190	209	463	542	631	453	529	180	108	75	330
1960 to 1969 -----	2 333	330	491	603	356	146	228	91	54	34	279
1959 or earlier -----	526	100	145	106	72	33	24	12	23	11	258
ROOMS											
1 to 3 rooms -----	366	70	58	52	51	41	51	26	17	—	303
4 rooms -----	1 067	144	146	195	214	128	145	45	21	29	311
5 rooms -----	3 274	405	484	541	460	322	565	269	159	69	322
6 rooms -----	4 247	242	536	584	553	573	851	518	272	118	368
7 rooms -----	3 771	128	258	378	503	473	873	579	393	186	414
8 or more rooms -----	4 110	42	151	317	358	466	981	673	578	544	476
Median -----	6.4	5.2	5.7	5.9	6.1	6.4	6.6	6.8	7.1	7.9	...
YEAR STRUCTURE BUILT											
1975 to March 1980 -----	5 810	221	205	332	426	708	1 371	1 148	849	550	473
1970 to 1974 -----	3 099	102	277	322	497	500	695	365	212	129	385
1960 to 1969 -----	3 319	123	471	632	514	356	584	303	230	106	342
1950 to 1959 -----	1 745	180	261	331	259	195	316	126	47	30	319
1940 to 1949 -----	1 220	168	207	175	165	122	232	75	21	55	318
1939 or earlier -----	1 642	237	212	275	278	122	268	93	81	76	317
VALUE											
Less than \$10,000 -----	46	39	3	4	—	—	—	—	—	—	150
\$10,000 to \$19,999 -----	237	132	49	11	19	15	11	—	—	—	192
\$20,000 to \$29,999 -----	514	125	145	100	62	33	43	6	—	—	246
\$30,000 to \$39,999 -----	1 521	235	391	370	243	161	97	24	—	—	268
\$40,000 to \$49,999 -----	3 104	291	460	532	583	415	562	171	71	19	323
\$50,000 to \$59,999 -----	2 907	102	335	404	379	392	713	417	165	—	380
\$60,000 to \$79,999 -----	4 779	72	185	462	626	649	1 149	829	590	217	431
\$80,000 to \$99,999 -----	1 995	23	53	106	151	244	555	394	263	206	480
\$100,000 to \$149,999 -----	1 364	12	12	70	64	74	282	237	277	336	571
\$150,000 or more -----	368	—	—	8	12	20	54	32	74	168	718
Median -----	\$60 300	\$39 400	\$44 700	\$50 300	\$53 900	\$59 500	\$64 500	\$68 400	\$76 600	\$103 900	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent -----	4 922	532	854	1 092	824	527	733	231	85	44	299
15 to 19 percent -----	3 623	136	324	445	536	549	865	424	219	125	384
20 to 24 percent -----	2 697	118	200	179	233	426	665	391	328	157	428
25 to 29 percent -----	1 975	74	86	104	195	182	482	426	279	147	473
30 to 34 percent -----	1 049	27	50	58	108	101	209	211	157	128	489
35 percent or more -----	2 482	139	114	189	230	204	495	420	353	338	469
Not computed -----	87	5	5	—	13	14	17	7	19	7	430
Median -----	19.8	14.6	14.6	14.6	17.2	19.3	21.0	25.1	26.4	29.9	...
SELECTED CHARACTERISTICS											
Heating equipment -----	16 835	1 031	1 633	2 067	2 139	2 003	3 466	2 110	1 440	946	389
Steam or hot water system -----	911	3	58	110	99	72	235	155	68	111	449
Central warm-air furnace or electric heat pump -----	8 623	288	494	959	1 066	992	1 906	1 315	986	617	426
Other built-in electric units -----	4 769	329	708	625	647	643	891	451	298	177	356
Floor, wall, or pipeless furnace -----	408	102	56	74	48	35	46	22	18	7	281
Other means -----	2 124	309	317	299	279	261	388	167	70	34	325
Air conditioning -----	930	39	53	75	75	96	173	89	161	169	481
Central system -----	691	22	32	22	58	49	126	71	149	162	551
1 or more individual room units -----	239	17	21	53	17	47	47	18	12	7	362
House heating fuel -----	16 835	1 031	1 633	2 067	2 139	2 003	3 466	2 110	1 440	946	389
Utility gas -----	4 368	142	362	651	523	540	906	677	370	197	397
Bottled, tank, or LP gas -----	206	22	36	31	30	18	40	6	16	7	323
Electricity -----	8 436	464	837	829	1 018	1 015	1 741	1 114	856	562	403
Fuel oil, kerosene, etc. -----	2 379	194	187	369	383	218	518	205	159	146	363
Other -----	1 446	209	211	187	185	212	261	108	39	34	331

Table A—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.]

The SMSA	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)
Specified owner-occupied housing units -----	5 843	199	682	1 215	1 419	1 036	876	267	149	115
PERSONS IN UNIT										
1 person -----	1 511	116	291	378	338	175	142	42	29	98
2 persons -----	3 013	49	305	649	719	614	456	153	68	118
3 persons -----	692	22	35	75	183	160	145	42	30	130
4 persons -----	385	7	32	74	121	45	78	16	12	116
5 persons -----	144	5	19	19	20	34	31	10	6	132
6 persons -----	55	—	—	20	17	6	12	—	—	111
7 persons -----	22	—	—	—	14	—	—	4	4	120
8 or more persons -----	21	—	—	—	7	2	12	—	—	156
Median -----	1.97	1.36	1.66	1.85	2.02	2.06	2.15	2.10	2.17	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families -----	3 834	54	347	712	944	792	682	202	101	121
15 to 24 years -----	29	4	2	—	12	9	—	2	—	118
25 to 34 years -----	159	7	18	40	38	34	13	—	9	110
35 to 44 years -----	259	—	32	33	56	58	63	17	—	129
45 to 64 years -----	1 762	11	116	355	428	357	344	112	39	123
65 years and over -----	1 625	32	179	284	410	334	262	71	53	119
Male householder, no wife present -----	503	86	93	89	115	53	36	15	16	95
15 to 24 years -----	25	12	8	—	5	—	—	—	—	52
25 to 34 years -----	25	9	6	2	8	—	—	—	—	65
35 to 44 years -----	19	—	—	2	—	—	—	—	—	101
45 to 64 years -----	112	19	19	12	16	20	11	6	9	109
65 years and over -----	322	39	60	73	76	33	25	9	7	96
Female householder, no husband present -----	1 506	59	242	414	360	191	158	50	32	103
15 to 24 years -----	22	—	8	8	6	—	—	—	—	84
25 to 34 years -----	33	—	6	7	6	6	8	—	—	115
35 to 44 years -----	63	1	6	5	25	11	12	—	3	119
45 to 64 years -----	419	9	64	90	90	76	61	14	15	113
65 years and over -----	969	49	158	304	233	98	77	36	14	98
Median age -----	65.0	70.6	67.9	66.3	65.2	62.6	62.3	63.3	64.9	...
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to March 1980 -----	451	42	54	106	63	59	82	25	20	109
1975 to 1978 -----	887	10	120	183	200	170	153	41	10	116
1970 to 1974 -----	830	33	109	97	279	176	108	26	2	116
1960 to 1969 -----	1 449	35	145	251	347	288	251	84	48	121
1959 or earlier -----	2 226	79	254	578	530	343	282	91	69	110
ROOMS										
1 to 3 rooms -----	293	29	91	67	56	22	6	2	20	85
4 rooms -----	1 163	68	261	351	257	111	70	34	11	93
5 rooms -----	1 386	66	170	336	410	253	102	40	9	107
6 rooms -----	1 434	36	106	274	385	306	268	48	11	120
7 rooms -----	872	—	31	115	186	204	239	51	46	138
8 or more rooms -----	695	—	23	72	125	140	191	92	52	148
Median -----	5.6	4.5	4.5	5.1	5.5	5.9	6.5	6.7	7.0	...
YEAR STRUCTURE BUILT										
1975 to March 1980 -----	662	33	92	138	90	144	140	15	10	119
1970 to 1974 -----	637	11	95	86	152	112	118	53	10	121
1960 to 1969 -----	973	23	101	126	215	205	199	74	30	128
1950 to 1959 -----	991	21	51	164	285	217	163	64	26	123
1940 to 1949 -----	855	15	127	238	215	122	88	23	27	106
1939 or earlier -----	1 725	96	216	463	462	236	168	38	46	105
VALUE										
Less than \$10,000 -----	54	6	25	6	15	2	—	—	—	71
\$10,000 to \$19,999 -----	402	25	107	133	71	37	16	8	5	88
\$20,000 to \$29,999 -----	802	65	153	211	244	79	25	22	3	97
\$30,000 to \$39,999 -----	1 048	47	163	274	294	164	89	6	11	103
\$40,000 to \$49,999 -----	805	20	107	220	237	111	102	8	—	106
\$50,000 to \$59,999 -----	859	31	44	161	192	167	209	47	8	125
\$60,000 to \$79,999 -----	1 132	5	62	170	239	301	238	69	48	132
\$80,000 to \$99,999 -----	427	—	12	25	89	124	103	45	29	143
\$100,000 to \$149,999 -----	250	—	—	15	34	44	84	47	26	169
\$150,000 or more -----	64	—	9	—	4	7	10	15	19	207
Median -----	\$47 900	\$30 500	\$32 500	\$39 400	\$44 500	\$56 000	\$59 900	\$72 800	\$79 800	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent -----	3 203	127	408	606	801	601	479	120	61	114
10 to 14 percent -----	1 097	51	119	303	192	201	134	60	37	110
15 to 19 percent -----	461	16	74	89	107	43	95	32	5	112
20 to 24 percent -----	393	—	26	107	90	93	56	14	7	118
25 to 29 percent -----	186	—	23	36	72	24	26	—	5	112
30 to 34 percent -----	115	—	6	28	22	11	36	6	6	128
35 percent or more -----	349	—	19	43	125	55	44	35	28	122
Not computed -----	39	5	7	3	10	8	6	—	—	111
Median -----	10—	10—	10—	10.0	10—	10—	10—	11.1	11.8	...
SELECTED CHARACTERISTICS										
Heating equipment -----	5 843	199	682	1 215	1 419	1 036	876	267	149	115
Steam or hot water system -----	287	—	—	32	69	55	60	36	35	144
Central warm-air furnace or electric heat pump -----	2 426	3	191	418	540	496	510	172	96	128
Other built-in electric units -----	1 464	70	214	340	354	268	190	18	10	108
Floor, wall, or pipeless furnace -----	449	13	58	145	141	44	38	10	—	102
Other means -----	1 217	113	219	280	315	173	78	31	8	100
Air conditioning -----	331	15	22	62	59	66	69	31	7	128
Central system -----	169	8	—	42	32	41	26	20	7	127
1 or more individual room units -----	162	7	22	20	27	25	43	11	7	130
House heating fuel -----	5 843	199	682	1 215	1 419	1 036	876	267	149	115
Utility gas -----	1 134	5	99	245	320	181	188	70	26	117
Bottled, tank, or LP gas -----	86	2	5	25	15	26	8	—	—	118
Electricity -----	2 252	82	368	512	502	407	320	51	10	108
Fuel oil, kerosene, etc. -----	1 759	29	105	271	412	372	328	134	108	129
Other -----	612	81	105	162	170	50	32	12	—	94

Table A—7. Year Structure Built 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 appendixes A and B.]

The SMSA

	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 -----	30 939	9 157	5 633	5 968	5 719	4 462	15 436	3 970	3 345	3 517	2 822	1 782
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families -----	22 886	7 453	4 179	4 356	4 009	2 889	5 719	1 763	1 273	1 191	941	551
15 to 24 years -----	636	330	87	108	50	61	1 356	431	328	315	204	78
25 to 34 years -----	4 832	2 444	786	522	681	399	2 227	764	406	354	500	203
35 to 44 years -----	5 555	1 984	1 208	1 008	745	610	766	231	213	152	77	93
45 to 64 years -----	8 689	2 144	1 542	2 057	1 778	1 168	868	256	224	186	104	98
65 years and over -----	3 174	551	556	661	755	651	502	81	102	184	56	79
Male householder, no wife present -----	2 757	711	393	558	588	507	3 777	847	798	858	767	507
15 to 24 years -----	182	54	33	18	44	33	1 018	238	307	219	172	82
25 to 34 years -----	694	235	102	109	143	105	1 587	359	299	338	364	227
35 to 44 years -----	569	205	66	131	86	81	490	134	91	126	69	70
45 to 64 years -----	719	157	135	206	123	98	474	91	81	126	122	54
65 years and over -----	593	60	57	94	192	190	208	25	20	49	40	74
Female householder, no husband present -----	5 296	993	1 061	1 054	1 122	1 066	5 940	1 360	1 274	1 468	1 114	724
15 to 24 years -----	106	45	29	10	12	10	1 348	344	297	292	286	129
25 to 34 years -----	815	261	250	61	122	121	1 871	436	438	417	395	185
35 to 44 years -----	802	220	202	148	152	80	538	152	92	117	126	51
45 to 64 years -----	1 601	335	302	358	344	262	664	168	170	145	97	84
65 years and over -----	1 972	132	278	477	492	593	1 519	260	277	497	210	275
Median age -----	47.3	39.4	45.5	51.2	53.6	55.1	31.0	30.3	30.3	32.7	29.6	34.7
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980 -----	5 995	3 737	715	617	503	423	9 424	3 007	2 067	1 859	1 655	836
1975 to 1978 -----	10 819	5 420	1 898	1 493	1 278	730	4 211	963	900	1 042	768	538
1970 to 1974 -----	5 695	—	3 020	1 215	826	634	1 131	—	378	382	211	160
1960 to 1969 -----	4 927	—	—	2 643	1 317	967	479	—	—	234	119	126
1959 or earlier -----	3 503	—	—	—	1 795	1 708	191	—	—	—	69	122
ROOMS												
1 room -----	129	30	24	32	18	25	292	26	72	63	59	72
2 rooms -----	297	62	50	76	84	25	1 291	202	245	363	246	235
3 rooms -----	1 061	214	190	293	206	158	3 049	588	649	878	571	363
4 rooms -----	4 144	977	765	794	947	661	5 207	1 532	1 520	1 211	806	408
5 rooms -----	6 787	1 975	1 281	1 201	1 427	903	3 252	1 055	775	535	635	252
6 rooms -----	7 059	2 157	1 190	1 226	1 369	1 117	1 357	322	223	296	284	232
7 or more rooms -----	11 462	3 742	2 133	2 346	1 668	1 573	988	245	131	171	221	220
Median -----	5.9	6.1	5.9	6.0	5.6	5.9	4.1	4.3	4.1	3.9	4.2	4.0
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use -----	30 789	9 135	5 610	5 920	5 693	4 431	15 187	3 915	3 317	3 487	2 764	1 704
0.50 or less -----	20 765	5 767	3 491	4 183	4 120	3 204	9 680	2 415	2 088	2 353	1 692	1 132
0.51 to 1.00 -----	9 448	3 214	1 992	1 652	1 446	1 144	4 954	1 323	1 109	969	1 007	546
1.01 to 1.50 -----	440	111	100	66	98	65	421	147	102	115	43	14
1.51 or more -----	136	43	27	19	29	18	132	30	18	50	22	12
Lacking complete plumbing for exclusive use -----	150	22	23	48	26	31	249	55	28	30	58	78
0.50 or less -----	82	—	22	28	15	17	110	23	15	7	29	36
0.51 to 1.00 -----	41	11	—	13	5	12	114	11	12	23	26	42
1.01 to 1.50 -----	—	—	—	—	—	—	24	21	—	—	3	—
1.51 or more -----	27	11	1	7	6	2	1	—	1	—	—	—
PERSONS IN UNIT												
1 person -----	4 708	847	764	1 021	1 055	1 021	5 768	1 261	1 148	1 536	1 021	802
2 persons -----	10 965	2 994	1 815	2 105	2 420	1 631	4 777	1 267	1 140	1 030	878	462
3 persons -----	5 464	1 897	991	1 042	871	663	2 307	670	490	490	447	210
4 persons -----	5 804	2 123	1 159	1 067	867	588	1 542	441	386	259	310	146
5 persons -----	2 611	930	549	501	300	331	654	221	106	115	118	94
6 or more persons -----	1 387	366	355	232	206	228	388	110	75	87	48	68
Median -----	2.48	2.89	2.74	2.43	2.25	2.24	1.91	2.07	1.96	1.72	1.94	1.69
Total persons -----	89 987	28 643	17 309	17 138	14 931	11 966	32 608	8 975	7 072	6 968	5 961	3 632
UNITS IN STRUCTURE												
1, detached or attached -----	25 925	7 069	4 220	4 879	5 443	4 314	5 570	963	772	1 053	1 762	1 020
2 -----	457	129	97	110	52	69	2 164	822	492	405	312	133
3 and 4 -----	171	57	19	29	44	22	1 149	494	234	247	87	87
5 to 9 -----	98	37	30	6	17	8	866	208	218	181	117	142
10 to 49 -----	258	79	57	44	43	35	2 679	766	644	743	304	222
50 or more -----	66	16	11	39	—	—	1 837	457	591	504	122	163
Mobile home or trailer, etc. -----	3 964	1 770	1 199	861	120	14	1 171	260	394	384	118	15
SELECTED CHARACTERISTICS												
Heating equipment -----	30 930	9 157	5 633	5 968	5 710	4 462	15 436	3 970	3 345	3 517	2 822	1 782
Steam or hot water system -----	1 435	85	165	581	359	245	567	22	84	57	157	247
Central warm-air furnace or electric heat pump -----	15 535	5 598	3 064	2 858	2 461	1 554	3 364	766	853	717	621	407
Other built-in electric units -----	7 979	2 730	1 747	1 751	1 147	604	8 754	3 039	2 140	2 355	888	332
Floor, wall, or pipeless furnace -----	1 065	68	69	90	466	372	438	26	76	56	170	110
Other means -----	4 916	676	588	688	1 277	1 687	2 313	117	192	332	986	663
Air conditioning -----	1 954	820	326	352	255	201	2 375	49	111	105	57	53
Central system -----	1 257	694	168	178	123	94	1 911	33	71	54	9	24
1 or more individual room units -----	697	126	158	174	132	107	184	16	40	51	48	29
House heating fuel -----	30 930	9 157	5 633	5 968	5 710	4 462	15 436	3 970	3 345	3 517	2 822	1 782
Utility gas -----	6 268	877	1 384	1 725	1 311	971	2 482	138	353	471	858	662
Bottled, tank, or LP gas -----	610	134	112	132	110	113	364	39	103	110	80	32
Electricity -----	15 809	7 456	3 233	2 666	1 590	864	10 664	3 711	2 775	2 691	1 084	403
Fuel oil, kerosene, etc. -----	5 038	1 06	464	1 016	1 938	1 544	1 274	54	88	147	546	439
Other -----	3 205	584	431	429	761	970	652	28	26	98	254	246
Income in 1979 below poverty level -----	1 756	503	374	242	292	345	2 997	672	770	558	556	441
Percent below poverty level -----	5.7	5.5	6.6	4.1	5.1	7.7	19.4	16.9	23.0	15.9	19.7	24.7
HOUSEHOLD INCOME IN 1979												
Less than \$5,000 -----	2 003	389	393	384	374	463	2 965	712	714	518	440	581
\$5,000 to \$9,999 -----	3 467	766	582	657	712	750	3 738	782	845	913	821	377
\$10,000 to \$12,499 -----	1 945	567	361	297	387	333	1 884	411	451	464	337	221
\$12,500 to \$14,999 -----	1 823	509	321	269	410	314	1 410	411	273	345	280	101
\$15,000 to \$19,999 -----	4 265	1 304	746	840	862	513	2 269	700				

Table A—8. Units in Structure 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 appendixes A and B.]

The SMSA	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
Occupied housing units	30 939	25 925	1 050	3 964	15 436	5 570	2 164	1 149	866	2 679	1 837	1 171
Condominium housing units	245	96	149	—	92	13	13	12	9	35	10	—
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	22 886	19 837	621	2 428	5 719	2 760	811	338	225	623	315	647
15 to 24 years	636	451	21	164	1 356	422	167	108	94	223	80	262
25 to 34 years	4 832	4 258	89	485	2 227	1 206	347	165	66	160	77	206
35 to 44 years	5 555	5 073	111	371	766	481	101	16	20	72	14	62
45 to 64 years	8 689	7 527	300	862	868	418	140	25	15	117	75	78
65 years and over	3 174	2 528	100	546	502	233	56	24	30	51	69	39
Male householder, no wife present	2 757	2 049	130	578	3 777	1 132	563	274	275	945	371	217
15 to 24 years	182	131	6	45	1 018	268	180	90	61	272	82	65
25 to 34 years	694	523	42	129	1 587	570	249	129	97	341	126	75
35 to 44 years	569	447	28	94	490	148	57	41	51	119	61	13
45 to 64 years	719	493	30	196	474	99	13	4	45	160	51	45
65 years and over	593	455	24	114	208	47	13	4	21	53	51	19
Female householder, no husband present	5 296	4 039	299	958	5 940	1 678	790	537	366	1 111	1 151	307
15 to 24 years	106	46	4	56	1 348	390	171	110	94	348	202	33
25 to 34 years	815	654	29	132	1 871	593	305	206	101	339	206	121
35 to 44 years	802	707	35	60	538	196	92	52	38	68	53	39
45 to 64 years	1 601	1 169	99	333	664	153	114	49	45	144	124	35
65 years and over	1 972	1 463	132	377	1 519	346	108	120	88	212	566	79
Median age	47.3	46.3	53.8	52.7	31.0	31.0	30.5	29.3	29.8	29.6	46.7	30.4
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	5 995	4 713	221	1 061	9 424	3 264	1 384	799	559	1 760	923	735
1975 to 1978	10 819	8 761	402	1 656	4 211	1 570	619	281	193	683	564	301
1970 to 1974	5 695	4 629	159	907	1 131	359	113	57	57	140	293	112
1960 to 1969	4 927	4 445	160	322	479	238	39	12	45	70	52	23
1959 or earlier	3 503	3 377	108	18	191	139	9	—	12	26	5	—
ROOMS												
1 room	129	57	7	65	292	45	8	8	31	116	67	17
2 rooms	297	143	20	134	1 291	235	95	60	143	409	273	76
3 rooms	1 061	593	106	362	3 049	585	248	250	219	854	729	164
4 rooms	4 144	2 597	188	1 359	5 207	1 492	1 081	475	282	845	504	528
5 rooms	6 787	5 325	321	1 141	3 252	1 417	561	296	156	332	204	286
6 rooms	7 059	6 346	226	487	1 357	920	148	40	31	95	48	75
7 or more rooms	11 462	10 864	182	416	988	876	23	20	4	28	12	25
Median	5.9	6.2	5.1	4.6	4.1	4.8	4.2	4.0	3.6	3.5	3.3	4.1
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	30 789	25 854	1 010	3 925	15 187	5 528	2 133	1 127	839	2 589	1 802	1 169
0.50 or less	20 765	17 334	754	2 677	9 680	3 166	1 404	731	592	1 712	1 430	645
0.51 to 1.00	9 448	8 069	238	1 141	4 954	2 171	658	324	209	788	361	443
1.01 to 1.50	440	355	12	73	421	142	65	63	30	58	11	52
1.51 or more	136	96	6	34	132	49	6	9	8	31	—	29
Lacking complete plumbing for exclusive use	150	71	40	39	249	42	31	22	27	90	35	2
0.50 or less	82	37	20	25	110	23	6	9	—	48	23	1
0.51 to 1.00	41	19	9	13	114	19	12	13	19	39	12	—
1.01 to 1.50	—	—	—	—	24	—	13	—	8	3	—	—
1.51 or more	27	15	11	1	1	—	—	—	—	—	—	1
BEDROOMS												
None	143	71	7	65	466	78	19	19	76	177	73	24
1	1 421	881	118	422	4 363	945	289	299	284	1 256	1 081	209
2	7 861	5 148	495	2 218	7 331	2 253	1 560	715	430	1 075	586	712
3	15 666	14 133	336	1 197	2 676	1 800	283	106	72	128	84	203
4	4 827	4 704	66	57	514	408	13	10	4	43	13	23
5 or more	1 021	988	28	5	86	86	—	—	—	—	—	—
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	2 003	1 402	88	513	2 965	756	223	227	234	680	613	232
\$5,000 to \$9,999	3 467	2 622	82	763	3 738	1 214	512	294	169	756	439	354
\$10,000 to \$12,499	1 945	1 464	82	399	1 884	633	294	122	164	283	226	162
\$12,500 to \$14,999	1 823	1 409	86	328	1 410	552	202	158	40	185	150	123
\$15,000 to \$19,999	4 265	3 478	183	604	2 269	900	378	199	89	421	139	143
\$20,000 to \$24,999	4 704	4 023	112	569	1 359	584	215	87	75	181	133	84
\$25,000 to \$34,999	7 081	6 309	221	551	1 243	599	271	44	69	102	85	73
\$35,000 to \$49,999	4 102	3 774	133	195	460	276	63	9	26	48	38	—
\$50,000 or more	1 549	1 444	63	42	108	56	6	9	—	23	14	—
Median	\$21 894	\$23 055	\$20 139	\$14 840	\$11 347	\$13 324	\$13 156	\$11 096	\$10 457	\$9 212	\$8 380	\$9 993
Mean	\$24 207	\$25 309	\$25 686	\$16 603	\$13 484	\$15 776	\$15 040	\$12 056	\$12 048	\$11 356	\$10 801	\$11 248
SELECTED CHARACTERISTICS												
Hearing equipment	30 930	25 919	1 050	3 961	15 436	5 570	2 164	1 149	866	2 679	1 837	1 171
Steam or hot water system	1 435	1 358	77	—	567	133	14	24	69	179	142	6
Central warm-air furnace or electric heat pump	15 535	12 292	383	2 860	3 364	1 624	257	195	105	294	184	705
Other built-in electric units	7 979	6 999	361	619	8 754	2 007	1 643	866	551	1 952	1 474	261
Floor, wall, or pipeless furnace	1 065	951	26	88	438	298	44	13	11	48	13	11
Other means	4 916	4 319	203	394	2 313	1 508	206	51	130	206	24	188
Air conditioning	1 954	1 490	91	373	375	112	55	6	31	36	46	89
Central system	1 257	1 006	39	212	191	68	20	—	15	15	12	61
Vehicles available	30 059	25 261	1 006	3 792	13 181	5 080	1 959	1 008	678	2 159	1 205	1 092
1	7 628	5 916	344	1 368	7 683	2 230	1 188	677	506	1 482	955	645
2 or more	22 431	19 345	662	2 424	5 498	2 850	771	331	172	677	250	447
House heating fuel	30 930	25 919	1 050	3 961	15 436	5 570	2 164	1 149	866	2 679	1 837	1 171
Utility gas	6 268	5 919	165	184	2 482	1 294	251	119	176	356	141	145
Bottled, tank, or LP gas	610	370	8	232	364	174	2	8	16	19	—	145
Electricity	15 809	12 034	599	3 176	10 664	2 620	1 781	967	622	2 217	1 644	813
Fuel oil, kerosene, etc.	5 038	4 780	138	120	1 274	967	103	48	33	42	34	47
Other	3 205	2 816	140	249	652	515	27	7	19	45	18	21
Water heating fuel	30 892	25 899	1 041	3 952	15 430	5 564	2 164	1 149	866	2 679	1 837	1 171
Utility gas	2 813	2 630	89	94	1 457	604	135	118	119	292	64	125
Bottled, tank, or LP gas	478	223	15	240	248	126	—	6	22	14	—	80
Electricity	27 303	22 773	933	3 597	13 651	4 812	2 022	1 025	711	2 367	1 748	966
Fuel oil, kerosene, etc.	192	181	4	7	37	6	—	—	—	6	25	—
Other	106	92	—	14	37	16	7	—	—	—	—	—
Family householder	25 439	21 926	748	2 765	7 970	3 530	1 150	555	335	1 043	534	823
With own children under 18 years	13 292	11 869	319	1 104	4 966	2 209	813	386	201	592	281	484
With own children under 6 years	5 018	4 412	89	517	2 946	1 195	483	238	118	427	148	337
Female householder, no husband present	1 983	1 637	102	244	1 856	608	314	191	91	341	184	127
With own children under												

Table A—9. Owner- and Renter-Occupied Housing Units by Size of Household: 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	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
Owner-occupied housing units	30 939	4 708	10 965	5 464	5 804	2 611	928	327	132	2.48	89 987
Nonrelatives present	1 387	—	665	252	208	116	37	80	29	2.61	4 501
ROOMS											
1 to 3 rooms	1 487	649	572	140	66	28	22	10	—	1.67	2 914
4 rooms	4 144	1 376	1 907	462	269	82	26	22	—	1.86	8 620
5 rooms	6 787	2 233	2 916	1 140	1 033	311	119	20	15	2.24	17 270
6 rooms	7 059	811	2 578	1 396	1 440	582	197	46	9	2.60	20 698
7 rooms	5 692	370	1 753	1 203	1 414	653	190	78	31	3.10	18 669
8 or more rooms	5 770	269	1 239	1 123	1 582	955	374	151	77	3.66	21 816
Median	5.9	4.8	5.5	6.2	6.6	7.0	7.0	7.3	8.0	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	30 789	4 656	10 907	5 449	5 790	2 611	917	327	132	2.48	89 702
1.00 or less	30 213	4 656	10 881	5 397	5 724	2 501	761	229	64	2.46	86 541
1.01 to 1.50	440	—	—	46	50	82	145	66	51	5.79	2 460
1.51 or more	136	—	26	6	16	28	11	32	17	5.21	701
Lacking complete plumbing for exclusive use	150	52	58	15	14	—	11	—	—	1.90	285
1.00 or less	123	52	44	13	14	—	—	—	—	1.72	229
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	27	—	14	2	—	—	11	—	—	2.46	56
UNITS IN STRUCTURE											
1, detached or attached	25 925	3 396	8 914	4 732	5 272	2 322	849	313	127	2.64	77 444
2 or more	1 050	265	410	184	96	51	34	10	—	2.13	2 615
Mobile home or trailer, etc.	3 964	1 047	1 641	548	436	238	45	4	5	2.07	9 928
VALUE											
Specified owner-occupied housing units	22 678	3 005	7 728	4 197	4 690	1 986	701	266	105	2.64	66 894
Less than \$10,000	100	35	44	18	—	3	—	—	—	1.84	186
\$10,000 to \$19,999	639	264	201	101	30	43	—	—	—	1.78	1 247
\$20,000 to \$29,999	1 316	476	490	115	167	45	11	10	2	1.87	2 812
\$30,000 to \$39,999	2 569	569	913	481	390	121	47	46	2	2.28	6 667
\$40,000 to \$49,999	3 909	601	1 205	732	813	343	173	33	9	2.70	11 490
\$50,000 to \$59,999	3 766	397	1 456	639	716	326	143	58	31	2.55	11 046
\$60,000 to \$79,999	5 911	475	1 997	1 197	1 471	545	162	39	25	2.90	18 082
\$80,000 to \$99,999	2 422	58	781	484	611	289	117	54	28	3.27	8 289
\$100,000 to \$149,999	1 614	98	527	325	374	229	31	22	8	3.06	5 376
\$150,000 or more	432	32	114	105	118	42	17	4	—	3.17	1 699
Median	\$57 000	\$42 700	\$56 100	\$60 200	\$63 100	\$63 200	\$58 400	\$55 300	\$65 600	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	30 939	4 708	10 965	5 464	5 804	2 611	928	327	132	2.48	89 987
Median income	\$21 894	\$9 435	\$21 131	\$24 689	\$25 471	\$25 728	\$27 935	\$29 219	\$31 250	...	...
Median selected monthly owner costs as percentage of household income	17.5	22.9	14.5	17.7	18.8	18.5	17.8	18.9	14.9	...	...
With a mortgage	19.8	27.9	18.5	19.5	19.6	19.2	19.3	19.9	19.2	...	...
Not mortgaged	10—	16.6	10—	10—	10—	10—	10—	10—	10—	...	...
Income in 1979 below poverty level	1 756	572	472	206	247	173	44	32	10	2.15	...
Median income	\$3 476	\$3 008	\$3 125	\$2500—	\$5 219	\$5 997	\$8 167	\$8 333	\$12 083	...	...
Median selected monthly owner costs as percentage of household income	50+	47.7	50+	50+	50+	50+	38.8	50+	35.8	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	38.8	50+	35.8	...	...
Not mortgaged	37.7	37.4	26.9	50+	44.7	50+	—	10—	—	...	...
Renter-occupied housing units	15 436	5 768	4 777	2 307	1 542	654	238	52	98	1.91	32 608
Nonrelatives present	2 130	—	1 324	423	214	94	57	11	7	2.30	5 472
ROOMS											
1 room	292	248	37	7	—	—	—	—	—	1.09	334
2 rooms	1 291	871	277	96	33	6	3	—	5	1.24	1 879
3 rooms	3 049	2 027	767	171	42	15	18	—	9	1.25	4 477
4 rooms	5 207	1 734	2 019	915	416	94	29	—	—	1.93	10 416
5 rooms	3 252	688	1 094	627	476	243	89	35	—	2.36	8 113
6 rooms	1 357	112	380	329	336	135	23	6	36	3.07	4 062
7 or more rooms	988	88	203	162	239	161	76	11	48	3.67	3 327
Median	4.1	3.4	4.1	4.5	5.1	5.4	5.3	5.2	6.5	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	15 187	5 591	4 734	2 296	1 537	654	238	52	85	1.92	32 265
1.00 or less	14 634	5 591	4 698	2 204	1 462	539	99	11	30	1.87	29 814
1.01 to 1.50	421	—	—	85	42	94	118	41	41	5.39	1 964
1.51 or more	132	—	36	7	33	21	21	—	14	4.20	487
Lacking complete plumbing for exclusive use	249	177	43	11	5	—	—	—	13	1.20	343
1.00 or less	224	177	42	—	5	—	—	—	—	1.13	271
1.01 to 1.50	24	—	—	11	—	—	—	—	—	13	8.5+
1.51 or more	1	—	1	—	—	—	—	—	—	2.00	4
UNITS IN STRUCTURE											
1, detached or attached	5 570	1 284	1 825	964	838	421	140	28	70	2.32	13 961
2	2 164	737	717	383	252	47	7	8	13	1.98	4 541
3 and 4	1 149	485	281	216	87	31	40	—	9	1.82	2 453
5 to 9	866	458	213	94	61	26	4	10	—	1.45	1 626
10 to 49	2 679	1 342	827	337	86	53	28	—	6	1.50	4 670
50 or more	1 837	1 197	459	100	55	26	—	—	—	1.27	2 729
Mobile home or trailer, etc.	1 171	265	455	213	163	50	19	6	—	2.20	2 628
GROSS RENT											
Specified renter-occupied housing units	14 752	5 611	4 521	2 183	1 475	610	202	52	98	1.89	31 084
Less than \$100	533	418	83	20	12	—	—	—	—	1.14	658
\$100 to \$149	874	586	165	68	22	17	10	—	6	1.25	1 304
\$150 to \$199	1 842	1 054	536	163	48	17	15	9	—	1.37	3 026
\$200 to \$249	3 300	1 420	1 152	426	193	69	38	2	—	1.70	6 257
\$250 to \$299	3 192	1 032	1 127	517	364	116	28	8	—	2.00	6 731
\$300 to \$349	1 972	405	715	446	299	77	25	—	5	2.31	4 814
\$350 to \$399	1 138	198	304	248	192	122	48	8	18	2.77	3 166
\$400 to \$499	962	162	209	147	279	109	21	11	24	3.25	2 801
\$500 or more	449	114	90	52	49	76	17	6	45	2.89	1 427
No cash rent	490	222	140	96	17	7	—	8	—	1.66	900
Median	\$259	\$219	\$261	\$285	\$315	\$352	\$320	\$369	\$483	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	15 436	5 768	4 777	2 307	1 542	654	238	52	98	1.91	32 608
Median income	\$11 347	\$8 620	\$13 070	\$12 980	\$15 014	\$15 560	\$19 000	\$9 500	\$9 107	...	...
Median gross rent as percentage of household income	27.3	29.8	24.7	27.7	26.9	25.7	19.3	50+	45.0	...	...
Income in 1979 below poverty level	2 997	1 130	726	466	306	187	77	35	70	2.01	...
Median income	\$3 594	\$2 776	\$3 582	\$4 569	\$4 850	\$6 008	\$5 956	\$6 696	\$6 932	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	50+	50+	50+	50+	...	...

Table A—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]

	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						
	Total	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	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over			
The SMSA																									
Owner-occupied housing units																									
PERSONS IN UNIT																									
1 person	4 708	1 032	527	4 552	2 854	—	297	456	494	923	1 622	120	253	923	1 622	120	253	923	1 622	120	253	923	1 622	120	253
2 persons	10 965	1 982	1 006	1 982	1 006	1 982	187	135	81	135	298	158	229	380	298	158	229	380	298	158	229	380	298	158	229
3 persons	5 464	1 165	672	1 165	672	—	67	88	18	88	32	60	82	174	32	60	82	174	32	60	82	174	32	60	82
4 persons	5 804	1 218	725	1 218	725	—	22	32	45	32	10	38	37	80	10	38	37	80	10	38	37	80	10	38	37
5 persons	2 611	552	2 130	552	2 130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6 or more persons	1 387	217	1 170	217	1 170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	2.48	2.84	3.60	2.48	2.06	—	1.37	1.46	1.10	1.29	1.76	1.10	1.37	1.29	1.76	1.10	1.37	1.29	1.76	1.10	1.37	1.29	1.76	1.10	1.37
Total persons	89 987	20 932	17 703	23 890	25 443	6 826	1 193	1 012	742	1 552	2 345	2 344	1 906	2 895	2 345	2 344	1 906	2 895	2 345	2 344	1 906	2 895	2 345	2 344	1 906
PLUMBING FACILITIES BY PERSONS PER ROOM																									
Complete plumbing for exclusive use	30 789	616	4 828	5 548	8 648	3 174	681	563	698	588	1 960	802	805	1 594	1 960	802	805	1 594	1 960	802	805	1 594	1 960	802	805
1.01 or more persons per room	576	10	182	119	7	37	12	7	—	—	—	—	13	16	—	—	—	—	—	—	—	—	—	—	—
Lacking complete plumbing for exclusive use	150	10	4	7	41	—	13	6	21	5	—	—	—	7	—	—	—	—	—	—	—	—	—	—	—
1.01 or more persons per room	27	7	—	2	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																									
Specified owner-occupied housing units																									
With a mortgage	22 678	429	3 904	4 369	6 391	2 177	497	352	412	384	1 300	659	602	1 032	1 300	659	602	1 032	1 300	659	602	1 032	1 300	659	602
Less than 15 percent	14 835	400	3 745	4 110	4 629	552	472	333	300	462	1 110	595	538	813	1 110	595	538	813	1 110	595	538	813	1 110	595	538
15 to 19 percent	4 922	31	571	1 006	1 002	125	70	90	82	10	4	4	4	115	4	4	4	115	4	4	4	115	4	4	115
20 to 24 percent	2 697	103	777	668	549	62	103	77	37	2	—	—	—	71	—	—	—	71	—	—	—	71	—	—	71
25 to 29 percent	1 975	83	606	363	363	24	91	31	38	5	—	—	—	80	—	—	—	80	—	—	—	80	—	—	80
30 to 34 percent	1 049	48	299	249	152	24	22	20	14	14	—	—	—	42	—	—	—	42	—	—	—	42	—	—	42
35 percent or more	2 482	63	565	420	274	103	95	41	76	23	—	—	—	184	—	—	—	184	—	—	—	184	—	—	184
Not computed	87	—	—	7	33	—	—	—	—	—	—	—	—	8	—	—	—	8	—	—	—	8	—	—	8
Median	19.6	25.8	22.4	18.7	15.2	17.0	23.8	20.4	22.0	32.1	27.1	31.4	26.3	25.1	37.2	26.3	25.1	37.2	26.3	25.1	37.2	26.3	25.1	37.2	26.3
Not mortgaged																									
Less than 10 percent	5 843	29	159	259	1 762	1 623	25	19	112	322	22	13	6	212	22	13	6	212	22	13	6	212	22	13	6
10 to 14 percent	3 973	9	127	185	1 469	534	10	8	16	65	14	6	6	61	14	6	6	61	14	6	6	61	14	6	6
15 to 19 percent	1 627	2	17	30	141	117	2	—	24	28	—	—	—	12	—	—	—	12	—	—	—	12	—	—	12
20 to 24 percent	393	9	—	18	66	130	—	—	—	40	—	—	—	39	—	—	—	39	—	—	—	39	—	—	39
25 to 29 percent	116	—	—	—	16	47	—	—	—	30	—	—	—	13	—	—	—	13	—	—	—	13	—	—	13
30 to 34 percent	349	9	15	17	128	6	—	—	—	32	—	—	—	8	—	—	—	8	—	—	—	8	—	—	8
35 percent or more	39	—	—	—	5	36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Not computed	10	—	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	10	21.9	10	10	10	10.7	10.0	10	10	13.6	10	12.9	13.5	10	18.3	10	12.9	13.5	10	18.3	10	12.9	13.5	10	18.3
Renter-occupied housing units																									
PERSONS IN UNIT																									
1 person	15 768	1 356	2 227	766	868	502	1 018	1 587	490	474	208	538	1 871	664	1 519	538	1 871	664	1 519	538	1 871	664	1 519	538	1 871
2 persons	4 777	612	692	141	377	465	521	962	322	392	193	190	762	387	1 448	190	762	387	1 448	190	762	387	1 448	190	762
3 persons	2 307	432	600	80	215	14	365	397	129	60	15	149	544	200	71	149	544	200	71	149	544	200	71	149	544
4 persons	1 542	200	585	229	150	7	22	106	24	4	—	365	112	36	—	365	112	36	—	365	112	36	—	365	112
5 persons	654	76	219	188	71	11	8	177	8	18	—	60	103	28	—	60	103	28	—	60	103	28	—	60	103
6 or more persons	388	6	131	128	55	—	15	5	—	—	—	8	68	8	—	8	68	8	—	8	68	8	—	8	68
Median	1.91	2.31	3.20	4.21	2.77	2.04	1.48	1.32	1.26	1.10	1.04	1.26	1.29	1.36	1.02	1.26	1.29	1.36	1.02	1.26	1.29	1.36	1.02	1.26	1.29
Total persons	32 608	3 575	7 256	2 810	2 478	1 014	1 713	2 476	709	580	247	1 173	3 675	1 066	1 460	1 173	3 675	1 066	1 460	1 173	3 675	1 066	1 460	1 173	3 675
PLUMBING FACILITIES BY PERSONS PER ROOM																									
Complete plumbing for exclusive use	15 187	1 351	2 205	766	855	502	994	1 545	471	452	187	530	1 840	652	1 503	530	1 840	652	1 503	530	1 840	652	1 503	530	1 840
1.01 or more persons per room	553	91	193	107	44	9	15	8	—	—	—	5	61	11	—	5	61	11	—	5	61	11	—	5	61
Lacking complete plumbing for exclusive use	249	5	22	—	13	—	24	42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1.01 or more persons per room	25	4	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																									
Specified renter-occupied housing units																									
Less than 15 percent	14 752	1 280	2 086	722	798	413	1 018	1 536	442	463	200	521	1 821	656	1 462	521	1 821	656	1 462	521	1 821	656	1 462	521	1 821
15 to 19 percent	2 135	142	370	172	172	59	74	356																	

Table A-11. Age and Sex of Householder in One-Person Households 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 appendixes A and B]

The SMSA	Male householder						Female householder						
	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	
Owner-occupied housing units	4 708	1 753	107	399	297	456	494	2 955	37	253	120	923	1 622
PLUMBING FACILITIES													
Complete plumbing for exclusive use	4 656	1 708	101	386	297	435	489	2 948	37	253	120	923	1 615
Lacking complete plumbing for exclusive use	52	45	6	13	—	21	5	7	—	—	—	—	7
UNITS IN STRUCTURE													
1, detached or attached	3 396	1 250	73	306	220	295	356	2 146	21	196	110	653	1 166
2 or more	265	88	6	22	14	22	24	177	—	2	—	65	110
Mobile home or trailer, etc.	1 047	415	28	71	63	139	114	632	16	55	10	205	346
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	1 201	296	14	24	12	116	130	905	6	17	12	198	672
\$5,000 to \$9,999	1 290	374	20	64	43	52	195	916	16	29	31	232	608
\$10,000 to \$14,999	443	129	28	22	8	31	40	314	13	64	12	113	112
\$15,000 to \$19,999	357	137	18	26	14	33	46	220	2	43	24	72	79
\$20,000 to \$24,999	556	248	—	112	50	52	34	308	—	59	24	153	72
\$25,000 to \$34,999	421	270	22	103	83	54	8	151	—	21	—	86	44
\$35,000 to \$49,999	305	184	—	29	64	73	18	121	—	20	17	59	25
\$50,000 or more	84	78	5	13	10	39	11	6	—	—	—	—	6
Median	51	37	—	6	13	6	12	14	—	—	—	10	4
Mean	\$9 435	\$13 914	\$11 741	\$16 960	\$20 747	\$14 697	\$7 104	\$8 048	\$8 250	\$13 459	\$13 021	\$10 697	\$5 947
Mean	\$12 668	\$17 148	\$13 111	\$18 363	\$27 190	\$17 061	\$11 085	\$10 011	\$7 880	\$14 116	\$14 021	\$12 560	\$7 672
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
Specified owner-occupied housing units	3 005	1 071	73	287	166	237	308	1 934	15	179	102	595	1 043
With a mortgage	1 494	688	73	264	147	176	28	806	7	173	89	311	226
Less than \$200	247	98	16	41	8	31	2	149	5	—	11	34	99
\$200 to \$249	204	73	14	20	15	22	2	131	—	19	7	101	4
\$250 to \$299	199	77	7	31	29	2	8	122	2	22	11	65	22
\$300 to \$349	205	106	26	25	24	26	5	99	—	23	12	27	37
\$350 to \$399	134	69	—	37	9	23	—	65	—	29	7	13	16
\$400 to \$499	272	146	5	63	31	36	11	126	—	34	26	47	19
\$500 to \$599	141	66	5	24	25	12	—	75	—	27	11	24	13
\$600 to \$749	56	29	—	17	6	—	—	27	—	19	4	—	4
\$750 or more	36	24	—	6	—	18	—	12	—	—	—	—	12
Median	\$324	\$345	\$296	\$370	\$345	\$365	\$320	\$301	\$185	\$389	\$375	\$266	\$273
Not mortgaged	1 511	383	—	23	19	61	280	1 128	8	6	13	284	817
Less than \$50	116	67	—	9	7	12	39	49	—	—	—	7	42
\$50 to \$74	291	83	—	6	—	17	60	208	8	—	6	48	146
\$75 to \$99	378	91	—	2	—	—	57	317	—	—	—	60	257
\$100 to \$124	338	94	—	6	10	10	68	244	—	6	—	45	193
\$125 to \$149	175	34	—	—	—	10	24	141	—	—	—	53	88
\$150 to \$199	142	29	—	—	—	6	23	113	—	—	7	48	58
\$200 to \$249	42	15	—	—	—	6	9	27	—	—	—	8	19
\$250 or more	29	—	—	—	—	—	—	29	—	—	—	15	14
Median	\$98	\$92	—	\$60	\$101	\$104	\$93	\$99	\$63	\$113	\$154	\$115	\$96
SELECTED CHARACTERISTICS													
Median selected monthly owner costs as percentage of household income in 1979	22.9	21.9	27.5	24.7	20.2	20.9	15.0	23.5	10—	29.1	24.2	20.0	23.3
With a mortgage	27.9	24.8	27.5	25.4	22.1	23.9	37.5	32.1	27.5	29.5	28.1	28.4	49.2
Not mortgaged	16.6	12.4	—	10—	10—	10—	14.1	18.2	10—	12.5	15.4	12.3	20.3
Income in 1979 below poverty level	572	139	14	17	12	55	41	433	6	10	6	133	278
Percent below poverty level	12.1	7.9	13.1	4.3	4.0	12.1	8.3	14.7	16.2	4.0	5.0	14.4	17.1
Renter-occupied housing units	5 768	2 390	521	962	322	392	193	3 378	591	762	190	387	1 448
PLUMBING FACILITIES													
Complete plumbing for exclusive use	5 591	2 280	497	931	310	370	172	3 311	577	745	182	375	1 432
Lacking complete plumbing for exclusive use	177	110	24	31	12	22	21	67	14	17	8	12	16
UNITS IN STRUCTURE													
1, detached or attached	1 284	549	116	260	63	70	40	735	130	202	52	58	293
2	737	353	85	158	43	54	13	384	56	120	37	63	108
3 and 4	485	177	39	97	27	10	4	308	30	130	14	20	114
5 to 9	458	228	47	92	33	35	21	230	64	36	9	33	88
10 to 49	1 342	691	170	215	107	154	45	651	175	138	33	99	206
50 or more	1 197	288	39	109	44	45	51	909	115	112	31	91	560
Mobile home or trailer, etc.	265	104	25	31	5	24	19	161	21	24	14	23	79
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	1 835	561	187	159	45	74	96	1 274	215	128	33	155	743
\$5,000 to \$9,999	1 425	494	189	189	12	75	29	931	255	180	42	64	390
\$10,000 to \$14,999	850	346	82	185	30	25	24	504	64	211	48	43	138
\$15,000 to \$19,999	431	171	7	103	25	14	22	260	19	116	23	20	82
\$20,000 to \$24,999	644	440	56	183	94	89	18	204	31	60	22	69	22
\$25,000 to \$34,999	281	183	—	77	49	57	—	98	—	40	7	19	32
\$35,000 to \$49,999	242	141	—	51	56	34	—	101	7	21	15	17	41
\$50,000 or more	23	23	—	6	5	12	—	6	—	—	—	—	—
Median	37	31	—	9	6	12	4	6	—	6	—	—	—
Mean	\$8 620	\$11 012	\$7 188	\$11 797	\$17 794	\$15 339	\$5 083	\$7 034	\$6 369	\$10 865	\$11 042	\$8 551	\$4 927
Mean	\$10 183	\$12 542	\$7 372	\$13 013	\$17 661	\$16 103	\$8 374	\$8 515	\$6 754	\$11 357	\$11 415	\$9 598	\$7 067
GROSS RENT													
Specified renter-occupied housing units	5 611	2 345	521	936	322	381	185	3 266	564	734	180	387	1 401
Less than \$100	418	115	5	37	16	19	38	303	2	—	8	38	255
\$100 to \$149	586	276	86	95	30	39	26	310	73	32	20	27	158
\$150 to \$199	1 054	538	119	181	63	125	50	516	123	168	28	28	169
\$200 to \$249	1 420	647	183	283	80	94	7	773	226	206	38	108	195
\$250 to \$299	1 032	409	90	199	61	53	6	623	96	184	34	98	211
\$300 to \$349	405	139	11	54	38	24	12	266	23	83	29	27	104
\$350 to \$399	198	72	14	31	7	13	7	126	14	38	9	13	52
\$400 to \$499	162	47	2	26	4	9	6	115	—	9	10	—	96
\$500 or more	114	39	—	4	12	—	—	75	—	—	4	—	59
No cash rent	222	63	11	26	11	5	10	159	7	14	—	36	102
Median	\$219	\$214	\$212	\$222	\$222	\$202	\$169	\$223	\$212	\$237	\$245	\$229	\$222
SELECTED CHARACTERISTICS													
Median gross rent as percentage of household income in 1979	29.8	24.0	37.7	22.8	16.0	19.1	34.5	34.6	43.3	28.5	26.4	29.0	40.7
Income in 1979 below poverty level	1 130	370	141	101	39	49	40	760	177	82	33	97	371
Percent below poverty level	19.6	15.5	27.1	10.5	12.1	12.5	20.7	22.5	29.9	10.8	17.4	25.1	25.6

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
Vacant for sale only housing units -----	719	260	265	194	Vacant for rent housing units -----	1 319	1 031	169	119
ROOMS					ROOMS				
1 to 3 rooms -----	62	13	33	16	1 room -----	36	30	—	6
4 rooms -----	119	36	65	18	2 rooms -----	224	206	13	5
5 rooms -----	201	72	48	81	3 rooms -----	302	222	38	42
6 rooms -----	127	52	26	49	4 rooms -----	470	402	37	31
7 rooms -----	111	36	67	8	5 rooms -----	155	119	26	10
8 or more rooms -----	99	51	26	22	6 rooms -----	86	29	39	18
Median -----	5.4	5.7	5.2	5.3	7 or more rooms -----	46	23	16	7
					Median -----	3.7	3.6	4.4	3.7
PLUMBING FACILITIES					PLUMBING FACILITIES				
Complete plumbing for exclusive use -----	709	256	265	188	Complete plumbing for exclusive use -----	1 130	842	169	119
Lacking complete plumbing for exclusive use -----	10	4	—	6	Lacking complete plumbing for exclusive use -----	189	189	—	—
BEDROOMS					BEDROOMS				
None -----	3	3	—	—	None -----	215	209	—	6
1 -----	52	10	33	9	1 -----	312	228	44	40
2 -----	211	68	56	87	2 -----	602	467	97	38
3 -----	357	150	136	71	3 -----	173	122	28	23
4 -----	91	24	40	27	4 -----	10	5	—	5
5 or more -----	5	5	—	—	5 or more -----	7	—	—	7
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1975 to March 1980 -----	442	141	167	134	1975 to March 1980 -----	560	498	42	20
1970 to 1974 -----	50	16	5	29	1970 to 1974 -----	183	150	19	14
1960 to 1969 -----	88	32	43	13	1960 to 1969 -----	294	194	63	37
1950 to 1959 -----	20	17	3	—	1950 to 1959 -----	114	75	29	10
1940 to 1949 -----	36	8	22	6	1940 to 1949 -----	56	40	7	9
1939 or earlier -----	83	46	25	12	1939 or earlier -----	112	74	9	29
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1, detached or attached -----	563	188	250	125	1, detached or attached -----	309	184	70	55
2 or more -----	112	55	4	53	2 -----	88	54	22	12
Mobile home or trailer -----	44	17	11	16	3 and 4 -----	106	86	7	13
					5 to 9 -----	120	120	—	—
HEATING EQUIPMENT					10 to 49 -----	452	422	12	18
Central heating system -----	664	232	244	188	50 or more -----	131	96	31	4
Other means -----	46	25	21	6	Mobile home or trailer -----	113	69	27	17
None -----	9	3	—	—					
PRICE ASKED					RENT ASKED				
Specified vacant for sale only housing units -----	535	185	225	125	Specified vacant for rent housing units -----	1 319	1 031	169	119
Less than \$10,000 -----	6	—	—	6	Less than \$100 -----	63	33	5	25
\$10,000 to \$19,999 -----	7	—	7	14	\$100 to \$149 -----	313	280	13	20
\$20,000 to \$29,999 -----	57	16	27	12	\$150 to \$199 -----	191	147	21	23
\$30,000 to \$39,999 -----	41	15	14	11	\$200 to \$249 -----	348	276	53	19
\$40,000 to \$49,999 -----	76	12	53	21	\$250 to \$299 -----	256	219	27	10
\$50,000 to \$59,999 -----	65	34	10	38	\$300 to \$399 -----	92	59	19	14
\$60,000 to \$79,999 -----	160	56	66	38	\$400 or more -----	56	17	31	8
\$80,000 to \$99,999 -----	85	33	41	11	Median -----	\$215	\$213	\$241	\$185
\$100,000 or more -----	38	19	7	12					
Median -----	\$62 300	\$66 300	\$60 800	\$59 600					

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)
	Total -----	535	6	64	117	310	38	62 300	1 319	63	504	604	92	56	215
PLUMBING FACILITIES														
Complete plumbing for exclusive use -----	529	—	64	117	310	38	62 700	1 130	63	315	604	92	56	229
Lacking complete plumbing for exclusive use -----	6	6	—	—	—	—	10000—	189	—	189	—	—	—	125
BEDROOMS														
None -----	3	—	3	—	—	—	26 300	215	13	195	7	—	—	125
1 -----	39	—	20	14	5	—	24 800	312	25	179	86	7	15	184
2 -----	69	6	18	20	25	—	39 700	602	21	105	400	46	30	242
3 -----	328	—	15	80	219	14	63 400	173	4	20	104	34	11	264
4 -----	91	—	8	3	56	24	78 300	10	—	5	—	5	—	230
5 or more -----	5	—	—	—	5	—	77 500	7	—	—	7	—	—	213
YEAR STRUCTURE BUILT														
1975 to March 1980 -----	330	—	20	48	231	31	68 900	560	12	248	244	39	17	218
1970 to 1974 -----	18	—	5	5	8	—	39 000	183	—	51	113	11	8	226
1960 to 1969 -----	64	—	13	16	35	—	51 400	294	8	65	157	33	31	228
1950 to 1959 -----	16	—	3	—	6	7	64 200	114	10	42	55	7	—	221
1940 to 1949 -----	33	6	—	19	8	—	38 800	56	21	28	5	2	—	156
1939 or earlier -----	74	—	23	29	22	—	38 000	112	12	70	30	—	—	145
UNITS IN STRUCTURE														
1, detached or attached -----	535	6	64	117	310	38	62 300	309	30	61	142	41	35	248
2 or more -----	—	—	—	—	—	—	—	897	13	394	418	51	21	209
Mobile home or trailer -----	—	—	—	—	—	—	—	113	20	49	44	—	—	184

Table B-1. Value of Owner-Occupied 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)

Olympia city	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units -----	5 587	22	212	456	818	963	801	1 266	556	410	83	53 600	60 100
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families -----	3 946	8	74	224	495	635	593	967	525	356	69	58 900	65 200
15 to 24 years -----	53	—	7	—	26	13	7	—	—	—	—	38 400	38 900
25 to 34 years -----	713	—	—	49	58	184	124	172	74	48	4	55 600	61 400
35 to 44 years -----	864	—	—	24	70	113	77	234	182	136	28	71 900	77 100
45 to 64 years -----	1 653	8	31	76	182	202	287	431	244	159	33	61 300	68 000
65 years and over -----	663	—	36	75	159	123	98	130	25	13	4	45 600	49 100
Male householder, no wife present -----	490	7	15	96	87	76	52	110	12	27	8	45 700	51 900
15 to 24 years -----	42	—	—	10	13	19	—	—	—	—	—	38 300	38 500
25 to 34 years -----	117	7	—	4	42	20	22	15	7	—	—	44 600	45 700
35 to 44 years -----	57	—	—	—	—	4	11	30	—	12	—	73 500	77 100
45 to 64 years -----	84	—	—	16	6	4	—	38	—	12	8	64 200	74 800
65 years and over -----	190	—	15	66	26	29	19	27	5	3	—	34 100	40 900
Female householder, no husband present -----	1 151	7	123	136	236	252	156	189	19	27	6	43 800	46 100
15 to 24 years -----	14	—	8	—	—	6	—	—	—	—	—	17 200	27 500
25 to 34 years -----	118	—	—	5	21	5	25	5	—	7	—	44 200	50 600
35 to 44 years -----	144	—	11	8	21	35	13	24	12	17	3	49 400	61 900
45 to 64 years -----	338	—	29	13	84	84	59	69	—	—	—	46 700	46 200
65 years and over -----	537	7	75	110	110	72	59	91	7	3	3	36 200	41 200
Median age -----	51.2	57.5	69.8	67.8	57.8	47.0	53.2	50.7	45.2	44.2	46.4	...	...
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980 -----	721	—	—	31	65	128	113	214	81	73	16	61 800	68 200
1975 to 1978 -----	1 654	8	27	65	185	313	221	361	248	186	40	60 500	68 500
1970 to 1974 -----	795	—	7	54	118	114	103	258	82	47	12	60 100	62 200
1960 to 1969 -----	1 211	7	69	88	206	197	171	260	108	93	12	51 600	58 200
1959 or earlier -----	1 206	7	109	218	244	211	193	173	37	11	3	42 500	44 300
ROOMS													
1 to 3 rooms -----	97	14	22	13	18	19	—	7	—	4	—	29 800	33 200
4 rooms -----	682	8	67	171	194	97	71	51	6	17	—	33 900	38 800
5 rooms -----	1 152	—	70	156	251	305	170	173	19	8	—	44 200	44 700
6 rooms -----	1 185	—	41	85	196	229	221	275	121	17	—	51 700	54 000
7 rooms -----	1 083	—	7	17	82	193	211	367	117	82	7	61 400	65 700
8 or more rooms -----	1 388	—	5	14	77	120	128	393	293	282	76	77 700	86 100
Median -----	6.2	3.3	4.7	4.8	5.3	5.8	6.2	6.8	7.6	8.2	8.5+	...	...
BEDROOMS													
None -----	8	—	8	—	—	—	—	—	—	—	—	16 300	16 300
1 -----	172	14	35	32	37	26	11	7	6	4	—	32 100	35 200
2 -----	1 348	8	94	227	367	305	162	135	37	13	—	39 200	42 300
3 -----	2 708	—	68	188	318	475	474	815	223	131	16	56 200	59 300
4 -----	1 073	—	7	9	68	149	119	239	231	206	45	74 100	81 000
5 or more -----	278	—	—	—	28	8	35	70	59	56	22	78 000	90 500
YEAR STRUCTURE BUILT													
1975 to March 1980 -----	852	8	—	—	17	62	101	289	176	172	27	76 800	84 300
1970 to 1974 -----	520	—	—	21	27	77	45	201	103	34	12	66 900	71 200
1960 to 1969 -----	839	—	—	19	68	115	96	276	120	117	28	66 900	75 600
1950 to 1959 -----	963	—	23	104	168	182	196	201	70	19	—	50 200	52 300
1940 to 1949 -----	809	—	75	113	191	187	151	65	8	8	11	41 300	43 800
1939 or earlier -----	1 604	14	114	199	347	340	212	234	79	60	5	44 500	48 500
HOUSEHOLD INCOME IN 1979													
Less than \$5,000 -----	325	7	77	65	72	40	25	25	—	14	—	33 200	37 400
\$5,000 to \$9,999 -----	601	7	51	129	131	116	73	75	6	13	—	38 200	41 300
\$10,000 to \$12,499 -----	314	—	15	33	54	79	59	52	15	7	—	48 200	49 300
\$12,500 to \$14,999 -----	757	—	35	33	92	69	61	47	—	20	—	42 900	46 800
\$15,000 to \$19,999 -----	757	8	12	76	153	203	133	131	26	15	—	46 700	49 300
\$20,000 to \$24,999 -----	699	—	12	34	103	148	121	196	65	15	4	55 200	57 500
\$25,000 to \$34,999 -----	1 203	—	—	39	151	178	237	360	152	79	7	59 800	63 500
\$35,000 to \$49,999 -----	891	—	10	47	57	118	71	240	192	122	34	72 000	76 900
\$50,000 or more -----	440	—	—	—	5	12	21	140	100	124	38	91 100	100 600
Median -----	\$23 125	\$8 929	\$7 417	\$12 576	\$17 459	\$19 172	\$21 528	\$27 574	\$35 821	\$39 861	\$47 966	...	...
Mean -----	\$26 706	\$10 416	\$10 345	\$15 111	\$18 407	\$21 057	\$23 271	\$29 779	\$38 028	\$53 099	\$63 908	...	...
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage -----	3 692	22	72	144	432	654	521	930	487	351	79	60 000	66 500
Less than 15 percent -----	1 316	8	26	51	189	197	156	323	202	134	30	61 400	68 000
15 to 19 percent -----	843	7	16	37	81	142	164	207	93	96	—	58 400	63 700
20 to 24 percent -----	604	7	—	32	75	117	80	139	94	45	15	58 800	66 300
25 to 29 percent -----	347	—	—	14	28	89	43	113	36	15	9	59 900	63 900
30 to 34 percent -----	134	—	—	—	11	26	6	51	29	4	7	70 600	75 600
35 percent or more -----	431	—	30	5	43	83	72	97	33	50	18	58 200	66 500
Not computed -----	17	—	—	—	5	—	—	—	—	7	—	38 500	65 100
Median -----	18.1	17.1	18.1	17.5	16.5	19.6	18.2	18.4	17.2	17.0	23.2	...	...
Not mortgaged -----	1 895	—	140	312	386	309	280	336	69	59	4	45 100	47 700
Less than 10 percent -----	950	—	36	103	192	154	143	219	58	41	4	49 500	54 000
10 to 14 percent -----	416	—	28	88	76	89	70	44	11	10	—	42 300	44 100
15 to 19 percent -----	167	—	13	59	11	13	30	33	—	8	—	40 400	44 700
20 to 24 percent -----	143	—	16	32	30	19	23	23	—	—	—	38 100	40 300
25 to 29 percent -----	78	—	22	10	23	13	—	10	—	—	—	32 100	33 800
30 to 34 percent -----	37	—	5	—	13	12	—	7	—	—	—	40 400	39 500
35 percent or more -----	99	—	20	20	36	9	14	—	—	—	—	35 300	34 100
Not computed -----	5	—	—	—	5	—	—	—	—	—	—	37 500	37 500
Median -----	10—	—	17.3	13.0	10—	10.0	10—	10—	10—	10—	10—	...	...
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use -----	5 578	22	212	452	818	963	796	1 266	556	410	83	53 600	60 200
1.01 or more persons per room -----	49	—	—	15	11	5	6	6	6	—	—	38 500	48 000
Lacking complete plumbing for exclusive use -----	9	—	—	4	—	—	5	—	—	—	—	50 500	38 600
1.01 or more persons per room -----	—	—	—	—	—	—	—	—	—	—	—	—	—
Heating equipment -----	5 587	22	212	456	818	96							

Table B—2. Gross Rent of 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 appendixes A and B.]

Olympia 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)
Specified renter-occupied housing units	5 051	338	502	704	1 139	1 149	498	333	235	72	81	241
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	1 264	7	20	76	256	426	178	144	94	30	33	282
15 to 24 years.....	251	—	—	35	72	98	25	21	—	—	—	258
25 to 34 years.....	577	—	5	30	131	168	126	71	19	10	17	288
35 to 44 years.....	141	—	—	5	17	44	—	23	39	13	—	360
45 to 64 years.....	216	—	9	6	5	93	27	29	7	—	11	295
65 years and over.....	79	7	6	—	31	23	—	—	7	—	—	244
Male householder, no wife present	1 410	64	196	296	298	274	108	70	77	21	6	223
15 to 24 years.....	303	4	47	41	59	68	47	14	11	6	—	248
25 to 34 years.....	609	14	69	120	144	144	36	45	37	—	—	238
35 to 44 years.....	205	—	30	46	47	30	17	5	22	8	—	219
45 to 64 years.....	198	19	24	69	41	32	—	6	—	7	—	193
65 years and over.....	95	27	26	20	7	—	8	—	7	—	—	141
Female householder, no husband present	2 377	267	286	332	585	449	212	119	64	21	42	221
15 to 24 years.....	513	—	71	89	183	88	61	16	5	—	—	217
25 to 34 years.....	675	26	55	126	130	139	90	70	19	12	8	248
35 to 44 years.....	202	17	6	34	42	31	17	15	31	9	—	254
45 to 64 years.....	302	32	32	16	105	92	—	9	5	—	11	223
65 years and over.....	685	192	122	67	125	99	35	18	4	—	23	155
Median age	31.8	71.8	35.8	29.7	29.5	31.0	28.3	31.6	37.2	38.3	57.1	...
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980.....	3 069	98	250	378	647	759	394	259	199	50	35	259
1975 to 1978.....	1 395	116	150	264	372	303	56	63	36	22	13	225
1970 to 1974.....	353	97	53	46	65	70	16	6	—	—	—	176
1960 to 1969.....	155	27	23	16	39	11	17	5	—	—	17	205
1959 or earlier.....	79	—	26	—	16	6	15	—	—	—	16	209
ROOMS												
1 room.....	164	24	90	38	6	—	—	—	—	—	6	129
2 rooms.....	688	120	179	221	79	43	31	—	—	—	15	160
3 rooms.....	1 241	159	105	249	513	163	35	5	—	—	12	208
4 rooms.....	1 473	16	56	116	345	600	212	93	24	—	11	271
5 rooms.....	870	10	41	66	129	296	120	110	66	19	13	277
6 rooms.....	342	9	15	14	22	38	83	91	47	13	10	341
7 or more rooms.....	273	—	16	—	45	9	—	34	98	40	14	409
Median	3.8	2.7	2.4	2.9	3.4	4.1	4.4	5.1	6.1	6.7	4.2	...
PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979												
All income levels in 1979												
Complete plumbing for exclusive use	4 889	298	404	699	1 139	1 141	492	333	230	72	81	244
0.50 or less.....	3 377	261	302	513	788	793	297	206	135	29	53	236
0.51 to 1.00.....	1 388	37	97	180	309	320	195	116	90	31	13	259
1.01 to 1.50.....	110	—	5	6	42	20	—	11	5	12	9	248
1.51 or more.....	14	—	—	—	—	8	—	—	—	—	6	288
Lacking complete plumbing for exclusive use	162	40	98	5	—	8	6	—	5	—	—	121
0.50 or less.....	82	21	45	5	—	6	6	—	5	—	—	123
0.51 to 1.00.....	72	19	53	—	—	—	—	—	—	—	—	115
1.01 to 1.50.....	8	—	—	—	—	8	—	—	—	—	—	263
1.51 or more.....	—	—	—	—	—	—	—	—	—	—	—	—
Income in 1979 below poverty level												
Complete plumbing for exclusive use	1 077	173	135	149	221	232	64	26	45	21	11	216
1.01 or more persons per room.....	72	—	5	—	33	28	—	—	6	—	—	248
Lacking complete plumbing for exclusive use	75	17	50	—	—	8	—	—	—	—	—	117
1.01 or more persons per room.....	8	—	—	—	—	8	—	—	—	—	—	263
BEDROOMS												
None.....	296	29	157	82	16	—	6	—	—	—	6	134
1.....	1 914	271	237	488	657	179	41	11	—	—	27	195
2.....	2 087	26	63	120	414	888	337	155	68	6	10	276
3.....	584	—	17	5	48	82	114	141	107	32	38	352
4.....	161	9	28	9	4	—	—	26	51	34	—	409
5 or more.....	9	—	—	—	—	—	—	—	9	—	—	450
UNITS IN STRUCTURE												
1, detached or attached.....	1 535	—	50	140	292	312	252	196	170	68	55	293
2.....	695	10	26	45	154	79	258	98	19	—	6	272
3 and 4.....	364	—	28	72	123	106	19	6	10	—	—	236
5 to 9.....	412	38	44	116	45	127	26	10	—	—	6	213
10 to 49.....	1 169	44	223	270	334	165	79	11	25	4	14	205
50 or more.....	810	241	111	43	180	181	37	6	11	—	—	203
Mobile home or trailer, etc.....	66	5	20	18	11	—	6	6	—	—	—	157
YEAR STRUCTURE BUILT												
1975 to March 1980.....	1 082	—	76	29	201	434	163	91	66	16	6	279
1970 to 1974.....	877	122	114	120	224	198	59	22	7	7	4	218
1960 to 1969.....	813	5	30	156	262	202	43	48	31	24	12	236
1950 to 1959.....	520	14	12	57	175	116	89	36	11	4	6	250
1940 to 1949.....	658	—	66	148	135	93	88	78	37	—	13	239
1939 or earlier.....	1 101	197	204	194	142	106	56	58	83	21	40	177
STORIES IN STRUCTURE												
1 to 3.....	4 766	192	484	675	1 102	1 114	490	333	231	68	77	245
4 or more.....	285	146	18	29	37	35	8	—	4	4	4	94
With elevator.....	273	146	12	23	37	35	8	—	4	4	4	79
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979												
Less than 15 percent.....	675	38	102	123	175	111	75	19	25	7	...	215
15 to 19 percent.....	673	66	56	70	174	163	76	33	28	7	...	239
20 to 24 percent.....	696	87	24	100	168	146	88	38	39	6	...	242
25 to 29 percent.....	594	60	34	91	113	129	72	48	47	—	...	250
30 to 34 percent.....	421	50	32	84	72	108	20	34	14	7	...	235
35 to 49 percent.....	837	33	147	101	153	174	82	86	37	24	...	245
50 percent or more.....	1 029	4	107	135	275	295	79	75	7	21	...	249
Not computed.....	126	—	—	—	9	23	6	—	—	—	81	290
Median	28.5	23.7	35.3	28.2	27.1	30.6	25.5	34.2	27.3	37.4	...	...
SELECTED CHARACTERISTICS												
Heating equipment	5 051	338	502	704	1 139	1 149	498	333	235	72	81	241
Central heating system.....	4 288	301	391	543	941	1 056	422	276	218	64	76	246
Air conditioning	113	9	15	17	6	9	17	6	4	7	23	242
Central system.....	40	—	—	6	6	—	5	6	4	7	6	350

Table B—3. Income and Poverty Status in 1979 of Owner-Occupied 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.]

Olympia city	Household income in 1979											Income in 1979 below poverty level	
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)		Mean (dollars)
Owner-occupied housing units	6 518	432	747	408	416	894	826	1 339	959	497	22 124	25 981	293
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	4 428	56	295	217	226	532	620	1 184	848	450	26 772	30 954	81
15 to 24 years	53	7	—	—	6	7	20	7	6	—	22 321	21 421	7
25 to 34 years	763	—	33	25	49	156	157	199	115	22	22 854	26 161	12
35 to 44 years	944	—	27	21	40	34	146	355	178	143	30 698	38 275	14
45 to 64 years	1 848	17	71	63	50	163	229	538	475	242	30 189	34 063	23
65 years and over	820	25	164	108	81	172	68	85	74	43	15 721	20 592	25
Male householder, no wife present	625	85	125	37	60	58	74	76	70	40	15 430	20 255	6
15 to 24 years	48	6	—	—	—	—	—	—	—	—	12 143	18 731	6
25 to 34 years	147	18	19	6	17	13	40	15	19	—	20 052	19 296	11
35 to 44 years	95	7	11	5	8	12	14	30	10	17	27 639	32 710	7
45 to 64 years	107	16	5	—	—	—	—	—	—	16	23 125	25 727	22
65 years and over	228	38	84	12	35	15	8	23	6	7	8 947	13 438	12
Female householder, no husband present	1 465	291	327	154	130	304	132	79	41	7	11 855	13 392	154
15 to 24 years	24	7	5	8	5	6	5	7	11	—	12 188	13 929	7
25 to 34 years	130	—	4	21	5	51	23	7	—	—	16 731	18 063	7
35 to 44 years	168	9	4	34	42	41	12	18	8	—	14 702	17 330	9
45 to 64 years	436	63	66	31	43	149	56	19	9	—	15 368	14 539	59
65 years and over	707	212	247	60	40	57	36	35	13	7	7 666	10 872	73
Median age	52.3	70.2	69.9	61.8	59.4	53.8	44.8	46.3	48.8	49.3	...	...	57.9
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	911	47	82	45	75	109	163	172	163	55	22 953	25 092	53
1975 to 1978	1 936	74	129	93	97	308	300	440	323	172	24 335	28 266	73
1970 to 1974	984	43	90	77	47	129	134	229	141	94	24 067	26 483	28
1960 to 1969	1 375	110	146	87	110	166	118	292	214	132	23 066	29 835	85
1959 or earlier	1 312	158	300	106	87	182	111	206	118	44	15 134	18 809	54
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use	6 496	425	741	408	416	889	822	1 339	959	497	22 186	26 028	293
1.01 or more persons per room	73	—	—	—	8	12	4	29	20	—	26 838	28 531	—
Lacking complete plumbing for exclusive use	22	7	6	—	—	—	4	—	—	—	9 167	12 139	—
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—
Heating equipment	6 518	432	747	408	416	894	826	1 339	959	497	22 124	25 981	293
Central heating system	5 695	282	589	363	357	763	712	1 246	909	474	23 379	26 504	198
Air conditioning	445	30	18	25	49	65	64	79	64	51	22 964	27 607	25
Central system	228	25	—	11	17	34	11	49	51	30	26 667	29 552	20
Vehicles available	6 100	263	605	368	399	869	811	1 336	952	497	23 314	27 193	231
1	1 932	194	358	167	188	470	197	240	99	19	15 534	17 253	116
2 or more	4 168	69	247	201	211	399	614	1 096	853	478	27 402	31 801	115
House heating fuel	6 518	432	747	408	416	894	826	1 339	959	497	22 124	25 981	293
Utility gas	2 189	127	244	144	142	242	309	462	298	221	23 204	26 534	90
Bottled, tank, or LP gas	29	6	5	—	—	13	5	—	—	—	18 173	13 968	6
Electricity	2 262	106	270	131	150	362	268	442	384	149	21 867	25 490	100
Fuel oil, kerosene, etc.	1 751	176	205	116	108	214	173	397	252	110	21 624	24 058	83
Other	287	17	23	17	16	63	71	38	25	17	20 493	38 575	14
Median rooms	6.0	4.7	4.9	5.5	5.3	5.6	6.1	6.6	7.2	7.6	...	...	5.0
Specified owner-occupied housing units	5 587	325	601	314	357	757	699	1 203	891	440	23 125	26 706	223
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
With a mortgage	3 692	115	176	144	225	495	527	953	720	337	26 302	30 286	135
Less than \$200	302	54	48	21	57	46	11	38	27	—	13 728	15 429	37
\$200 to \$249	368	10	14	36	25	101	62	68	42	10	19 902	22 690	24
\$250 to \$299	427	—	30	5	32	50	116	153	25	—	16 248	25 136	—
\$300 to \$349	444	7	12	40	46	75	60	119	63	22	23 333	24 690	7
\$350 to \$399	500	12	19	5	15	112	99	101	95	42	23 255	38 878	23
\$400 to \$499	761	14	17	17	23	81	123	231	191	64	28 896	30 357	14
\$500 to \$599	411	11	36	7	12	10	9	122	103	101	34 261	35 937	23
\$600 to \$749	284	—	—	13	7	14	26	96	97	31	32 211	39 966	7
\$750 or more	195	7	—	—	8	6	21	25	77	51	38 357	43 334	—
Median	\$380	\$217	\$293	\$313	\$298	\$334	\$357	\$399	\$452	\$514	...	...	\$346
Not mortgaged	1 895	210	425	170	132	262	172	250	171	103	15 175	19 731	88
Less than \$50	55	16	13	10	—	12	4	—	—	—	7 212	10 523	—
\$50 to \$74	140	48	53	19	—	12	—	8	—	—	7 905	9 275	21
\$75 to \$99	413	53	129	43	35	39	23	43	40	8	11 424	16 203	24
\$100 to \$124	508	54	112	44	30	117	49	69	17	16	15 479	16 621	24
\$125 to \$149	322	22	56	32	26	41	61	44	33	7	17 778	19 608	12
\$150 to \$199	291	12	41	15	35	28	21	77	43	19	22 969	24 753	7
\$200 to \$249	120	—	21	7	6	13	14	—	23	36	24 583	41 737	—
\$250 or more	46	5	—	—	—	—	—	17	7	17	35 582	40 292	—
Median	\$117	\$94	\$104	\$107	\$126	\$115	\$129	\$132	\$141	\$202	...	...	\$99
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage	3 692	115	176	144	225	495	527	953	720	337	26 302	30 286	135
Less than 15 percent	1 316	—	9	—	35	70	118	367	428	289	36 882	43 844	—
15 to 19 percent	843	7	—	16	37	113	164	309	163	34	27 178	28 614	—
20 to 24 percent	604	—	20	36	24	135	125	161	89	14	23 443	25 262	—
25 to 29 percent	347	—	8	10	64	92	69	78	26	—	19 976	21 718	4
30 to 34 percent	134	—	5	23	10	49	15	25	7	—	17 266	19 301	—
35 percent or more	431	91	134	59	55	36	36	13	7	—	9 591	10 710	114
Not computed	17	—	—	—	—	—	—	—	—	—	2500—	—	17
Median	18.1	50+	50+	32.2	26.3	22.4	19.4	16.8	13.9	10.7	...	...	50+
Not mortgaged	1 895	210	425	170	132	262	172	250	171	103	15 175	19 731	88
Less than 10 percent	950	—	19	45	52	190	144	233	164	103	26 008	30 066	6
10 to 14 percent	416	16	156	87	46	59	28	17	7	—	11 034	12 883	—
15 to 19 percent	167	27	71	22	34	13							

Table B—4. Income and Poverty Status in 1979 of 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 appendixes A and B.]

Olympia city	Household income in 1979											Income in 1979 below poverty level	
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)		Mean (dollars)
Renter-occupied housing units	5 151	1 348	1 319	617	351	709	381	253	129	44	9 642	11 996	1 168
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	1 287	145	259	138	91	291	168	94	83	18	15 130	16 356	169
15 to 24 years	251	55	70	44	11	50	21	—	—	—	10 028	10 478	63
25 to 34 years	589	26	120	74	40	183	86	34	26	—	15 731	16 000	47
35 to 44 years	144	23	8	7	15	18	19	25	29	—	20 132	20 908	31
45 to 64 years	216	21	39	—	20	27	42	30	19	18	20 076	22 601	21
65 years and over	87	20	22	13	5	13	—	5	9	—	10 288	12 684	7
Male householder, no wife present	1 447	328	292	206	103	218	139	89	46	26	11 256	13 876	251
15 to 24 years	303	105	98	41	23	12	13	11	—	—	7 236	8 494	117
25 to 34 years	635	94	147	114	53	113	63	37	14	—	11 678	12 835	64
35 to 44 years	216	27	31	14	12	47	24	28	20	13	18 203	19 554	29
45 to 64 years	198	51	12	25	7	41	31	6	12	13	15 526	21 109	26
65 years and over	95	51	4	12	8	5	8	7	—	—	4 828	10 009	15
Female householder, no husband present	2 417	875	768	273	157	200	74	70	—	—	7 154	8 550	748
15 to 24 years	519	196	197	42	53	23	8	—	—	—	6 913	7 327	221
25 to 34 years	684	130	257	136	31	59	36	35	—	—	9 240	10 413	181
35 to 44 years	212	48	53	11	31	43	11	15	—	—	11 136	11 614	48
45 to 64 years	310	88	62	47	12	71	19	11	—	—	10 266	10 824	73
65 years and over	692	413	199	37	30	4	—	9	—	—	4 532	5 667	225
Median age	31.8	40.6	29.3	29.4	29.8	31.4	32.9	36.5	40.8	48.5	...	...	29.6
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	3 139	759	891	334	172	463	236	175	76	33	9 552	12 123	787
1975 to 1978	1 408	322	313	233	127	217	109	41	35	11	10 740	12 476	213
1970 to 1974	353	158	52	38	28	20	7	32	18	—	7 202	11 184	103
1960 to 1969	172	82	54	5	8	9	14	—	—	—	5 286	7 371	50
1959 or earlier	79	27	9	7	16	—	15	5	—	—	11 250	12 117	15
PLUMBING FACILITIES BY PERSONS PER ROOM													
Complete plumbing for exclusive use	4 989	1 239	1 288	612	345	709	376	253	123	44	9 871	12 173	1 093
0.50 or less	3 437	921	903	444	270	463	198	134	78	26	9 374	11 415	674
0.51 to 1.00	1 419	281	355	157	75	229	169	109	30	14	11 170	13 660	338
1.01 to 1.50	119	37	22	11	—	11	9	10	15	4	10 114	16 387	73
1.51 or more	14	—	8	—	—	6	—	—	—	—	7 188	11 702	8
Lacking complete plumbing for exclusive use	162	109	31	5	6	—	5	—	6	—	4 157	6 540	75
0.50 or less	82	56	16	5	—	—	5	—	—	—	4 085	5 378	38
0.51 to 1.00	72	45	15	—	6	—	—	—	6	—	4 338	8 091	29
1.01 to 1.50	8	8	—	—	—	—	—	—	—	—	3 750	4 495	8
1.51 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
SELECTED CHARACTERISTICS													
Heating equipment	5 151	1 348	1 319	617	351	709	381	253	129	44	9 642	11 996	1 168
Central heating system	4 338	1 119	1 040	516	306	628	330	235	120	44	10 048	12 413	951
Air conditioning	113	33	24	6	—	20	7	—	5	18	9 931	25 262	29
Central system	40	22	—	6	—	—	—	—	5	7	4 500	32 339	18
Vehicles available	3 924	634	971	557	307	665	375	242	129	44	11 602	13 978	616
1	2 661	573	780	395	219	378	151	101	44	20	9 863	11 561	477
2 or more	1 263	61	191	162	88	287	224	141	85	24	16 861	19 070	139
House heating fuel	5 151	1 348	1 319	617	351	709	381	253	129	44	9 642	11 996	1 168
Utility gas	1 369	472	391	124	87	157	76	51	11	—	7 372	9 623	384
Bottled, tank, or LP gas	59	11	26	—	8	—	9	5	—	—	8 558	11 459	27
Electricity	3 023	739	763	395	201	438	230	112	101	44	10 060	12 629	639
Fuel oil, kerosene, etc.	576	96	99	89	38	94	58	85	17	—	12 763	14 903	70
Other	124	30	40	9	17	20	8	—	—	—	8 462	9 510	48
Median rooms	3.8	3.1	3.7	3.7	4.0	4.1	4.6	4.7	4.5	3.9	...	...	3.5
Specified renter-occupied housing units	5 051	1 341	1 278	592	351	704	372	243	126	44	9 623	11 974	1 152
CONTRACT RENT													
Less than \$100	498	369	95	25	5	4	—	—	—	—	4 032	4 712	255
\$100 to \$149	691	294	198	62	38	28	29	27	15	—	6 170	8 802	214
\$150 to \$199	1 293	281	333	257	90	205	85	26	10	6	10 316	10 862	226
\$200 to \$249	1 292	273	339	176	142	180	86	54	29	13	10 483	12 204	290
\$250 to \$299	781	66	205	57	59	174	111	66	43	—	15 062	15 623	87
\$300 to \$349	270	19	78	12	—	66	42	42	11	—	16 300	16 635	46
\$350 to \$399	90	4	11	—	12	14	12	12	18	7	22 000	23 650	15
\$400 to \$499	55	8	—	—	—	22	7	11	—	7	19 653	34 164	8
\$500 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
No cash rent	81	27	19	3	5	11	—	5	—	11	7 708	18 995	11
Median	\$200	\$149	\$200	\$190	\$215	\$236	\$242	\$259	\$257	\$245	...	...	\$173
GROSS RENT													
Less than \$100	338	281	28	25	—	4	—	—	—	—	3 833	4 390	190
\$100 to \$149	502	286	119	46	16	—	14	15	6	—	4 623	7 122	185
\$150 to \$199	704	178	254	110	35	83	32	12	—	—	7 849	9 158	149
\$200 to \$249	1 139	262	300	176	109	145	68	39	34	6	10 107	11 410	221
\$250 to \$299	1 149	211	331	145	95	195	104	29	26	13	10 560	12 552	240
\$300 to \$349	498	39	113	24	55	122	70	47	28	—	15 459	16 376	64
\$350 to \$399	333	32	73	56	24	68	43	23	14	—	13 073	14 931	26
\$400 to \$499	235	17	28	7	12	52	34	67	11	7	20 139	20 241	45
\$500 or more	72	8	13	—	—	24	7	6	7	7	18 750	29 623	21
No cash rent	81	27	19	3	5	11	—	5	—	11	7 708	18 995	11
Median	\$241	\$169	\$238	\$234	\$258	\$283	\$287	\$326	\$297	\$290	...	...	\$210
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
Less than 15 percent	675	—	32	53	22	113	149	154	119	33	23 950	27 120	4
15 to 19 percent	673	52	52	49	86	227	154	46	7	—	17 014	16 550	30
20 to 24 percent	696	82	50	195	105	191	35	38	—	—	13 000	13 181	64
25 to 29 percent	594	68	170	147	86	96	27	—	—	—	11 003	11 156	69
30 to 34 percent	421	74	214	67	35	24	7	—	—	—	8 425	8 664	77
35 to 49 percent	837	223	482	78	12	42	—	—	—	—	6 851	7 294	167
50 percent or more	1 029	770	259	—	—	—	—	—	—	—	3 748	3 836	685
Not computed	126	72	19	3	5	11	—						

Table B-5. Selected Monthly Owner Costs for 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.]

Olympia 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 -----	3 692	302	368	427	444	500	761	411	284	195	380
PERSONS IN UNIT											
1 person -----	369	89	72	55	39	39	35	18	14	8	271
2 persons -----	1 187	149	103	159	109	175	255	109	88	40	371
3 persons -----	787	12	110	110	131	119	150	71	50	34	363
4 persons -----	768	32	45	73	96	79	195	109	93	46	440
5 persons -----	397	20	16	20	46	54	95	73	34	39	439
6 persons -----	117	—	17	4	17	17	25	20	5	12	408
7 persons -----	47	—	5	—	6	8	6	6	—	16	488
8 or more persons -----	20	—	—	6	—	9	—	5	—	—	372
Median -----	2.87	1.92	2.58	2.50	3.06	2.80	3.10	3.57	3.30	3.84	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families -----	2 869	184	250	315	318	394	649	340	250	169	397
15 to 24 years -----	46	—	—	14	—	13	12	—	7	—	385
25 to 34 years -----	685	30	44	53	60	116	197	89	68	28	422
35 to 44 years -----	814	23	47	80	107	83	153	127	92	102	445
45 to 64 years -----	1 196	108	142	126	145	177	262	124	73	39	372
65 years and over -----	128	23	17	42	6	5	25	—	10	—	279
Male householder, no wife present -----	267	33	31	40	25	31	43	21	23	20	357
15 to 24 years -----	30	5	14	—	—	11	—	—	—	—	236
25 to 34 years -----	107	14	6	17	15	14	24	5	12	—	355
35 to 44 years -----	52	9	—	10	10	—	—	—	11	12	335
45 to 64 years -----	59	5	11	—	—	6	13	16	—	8	429
65 years and over -----	19	—	—	13	—	—	6	—	—	—	287
Female householder, no husband present -----	556	85	87	72	101	75	69	50	11	6	317
15 to 24 years -----	—	—	—	—	—	—	—	—	—	—	—
25 to 34 years -----	118	—	11	4	45	16	28	7	7	—	349
35 to 44 years -----	132	15	11	33	23	12	7	24	4	3	315
45 to 64 years -----	186	19	65	25	15	30	27	5	—	—	268
65 years and over -----	120	51	—	10	18	17	7	14	—	3	295
Median age -----	43.6	55.0	49.0	45.5	41.5	43.5	42.1	41.4	39.7	40.6	...
YEAR HOUSEHOLDER MOVED INTO UNIT											
1979 to March 1980 -----	644	36	12	7	29	79	167	103	112	99	495
1975 to 1978 -----	1 467	43	73	132	181	245	403	190	124	76	414
1970 to 1974 -----	634	39	81	125	125	84	83	62	25	10	329
1960 to 1969 -----	767	153	154	126	95	76	95	44	17	7	280
1959 or earlier -----	180	31	48	37	14	16	13	12	6	3	265
ROOMS											
1 to 3 rooms -----	59	19	8	—	—	14	11	—	7	—	359
4 rooms -----	302	64	33	56	26	72	31	6	7	7	298
5 rooms -----	623	101	122	109	66	58	97	27	30	13	291
6 rooms -----	808	61	96	105	106	140	163	74	52	11	363
7 rooms -----	770	34	54	101	126	66	193	111	61	24	402
8 or more rooms -----	1 130	23	55	56	120	150	266	193	127	140	471
Median -----	6.6	5.2	5.7	6.0	6.7	6.3	6.9	7.4	7.3	8.5+	...
YEAR STRUCTURE BUILT											
1975 to March 1980 -----	784	27	5	6	35	111	221	132	137	110	494
1970 to 1974 -----	455	5	5	39	60	88	98	107	43	10	435
1960 to 1969 -----	616	17	79	96	75	66	142	73	43	25	381
1950 to 1959 -----	593	68	80	86	84	101	121	30	10	13	337
1940 to 1949 -----	490	95	96	82	57	55	78	16	—	11	283
1939 or earlier -----	754	90	103	118	133	79	101	53	51	26	325
VALUE											
Less than \$10,000 -----	22	22	—	—	—	—	—	—	—	—	129
\$10,000 to \$19,999 -----	72	57	10	—	5	—	—	—	—	—	174
\$20,000 to \$29,999 -----	144	39	36	12	13	23	15	6	—	—	246
\$30,000 to \$39,999 -----	432	57	106	111	63	71	24	—	—	—	274
\$40,000 to \$49,999 -----	654	65	87	93	108	104	159	14	17	7	338
\$50,000 to \$59,999 -----	521	27	82	56	80	92	109	57	18	—	358
\$60,000 to \$79,999 -----	930	23	30	128	135	132	229	144	92	17	408
\$80,000 to \$99,999 -----	487	5	17	5	27	61	142	113	73	44	494
\$100,000 to \$149,999 -----	351	7	—	22	13	17	83	69	17	73	549
\$150,000 or more -----	79	—	—	—	—	—	—	8	67	54	750+
Median -----	\$60 000	\$36 500	\$45 300	\$49 800	\$54 200	\$55 100	\$66 300	\$77 700	\$83 700	\$115 400	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent -----	1 316	166	206	239	176	148	227	120	20	14	313
15 to 19 percent -----	843	45	92	101	94	123	199	100	66	23	386
20 to 24 percent -----	604	25	41	34	64	117	119	78	75	51	420
25 to 29 percent -----	347	8	5	23	51	51	100	33	45	31	443
30 to 34 percent -----	134	5	—	—	18	25	39	4	29	14	445
35 percent or more -----	431	48	19	30	41	36	77	76	49	55	456
Not computed -----	17	5	—	—	—	—	—	—	—	7	235
Median -----	18.1	14.1	13.9	14.3	17.4	19.1	18.9	19.3	23.7	26.0	...
SELECTED CHARACTERISTICS											
Heating equipment -----	3 692	302	368	427	444	500	761	411	284	195	380
Steam or hot water system -----	383	—	21	38	30	32	126	70	25	41	450
Central warm-air furnace or electric heat pump -----	2 087	133	138	242	265	276	446	276	200	111	398
Other built-in electric units -----	712	51	115	83	93	126	136	32	41	35	356
Floor, wall, or pipeless furnace -----	134	33	31	16	17	25	6	6	—	—	259
Other means -----	376	85	63	48	39	41	47	27	18	8	292
Air conditioning -----	230	24	9	19	13	30	44	37	26	28	454
Central system -----	139	7	—	—	13	16	18	31	26	28	550
1 or more individual room units -----	91	17	9	19	—	14	26	6	—	—	352
House heating fuel -----	3 692	302	368	427	444	500	761	411	284	195	380
Utility gas -----	1 346	75	127	153	155	176	311	216	55	78	396
Bottled, tank, or LP gas -----	12	—	—	—	—	7	5	—	—	—	393
Electricity -----	1 298	98	133	96	136	196	277	127	150	85	397
Fuel oil, kerosene, etc. -----	831	76	73	145	133	99	147	61	73	24	346
Other -----	205	53	35	33	20	22	21	7	6	8	272

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.]

Olympia 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)
Specified owner-occupied housing units -----	1 895	55	140	413	508	322	291	120	46	117
PERSONS IN UNIT										
1 person -----	611	27	80	150	146	106	69	28	5	108
2 persons -----	978	18	47	219	275	178	144	82	15	119
3 persons -----	185	10	5	31	59	33	34	—	13	120
4 persons -----	79	—	8	13	8	5	36	—	9	158
5 persons -----	32	—	—	—	14	—	8	10	—	163
6 persons -----	—	—	—	—	—	—	—	—	—	—
7 persons -----	10	—	—	—	6	—	—	—	4	121
8 or more persons -----	—	—	—	—	—	—	—	—	—	—
Median -----	1.84	1.53	1.38	1.76	1.89	1.81	2.03	1.89	2.73	...
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families -----	1 077	16	55	210	288	188	204	79	37	122
15 to 24 years -----	7	—	—	—	7	—	—	—	—	113
25 to 34 years -----	28	—	—	6	7	—	—	—	9	132
35 to 44 years -----	50	—	—	—	15	11	24	—	—	148
45 to 64 years -----	457	—	14	115	106	85	79	46	12	123
65 years and over -----	535	16	41	89	154	85	101	33	16	120
Male householder, no wife present -----	223	22	32	36	63	22	29	15	4	109
15 to 24 years -----	12	7	—	—	5	—	—	—	—	50—
25 to 34 years -----	10	4	—	—	6	—	—	—	—	104
35 to 44 years -----	5	—	—	—	5	—	—	—	—	113
45 to 64 years -----	25	—	5	—	4	—	6	6	4	179
65 years and over -----	171	11	27	36	43	22	23	9	—	107
Female householder, no husband present -----	595	17	53	167	157	112	58	26	5	110
15 to 24 years -----	14	—	8	6	—	—	—	—	—	72
25 to 34 years -----	—	—	—	—	—	—	—	—	—	—
35 to 44 years -----	12	—	—	—	12	—	—	—	—	113
45 to 64 years -----	152	—	10	30	53	35	24	—	—	117
65 years and over -----	417	17	35	92	92	77	34	26	5	107
Median age -----	68.2	72.6	72.8	69.7	68.6	67.5	65.9	66.4	63.8	...
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to March 1980 -----	77	7	—	19	7	17	5	17	5	133
1975 to 1978 -----	187	—	13	33	54	40	36	7	4	122
1970 to 1974 -----	161	19	5	—	80	28	18	11	—	118
1960 to 1969 -----	444	—	50	81	94	110	65	23	21	124
1959 or earlier -----	1 026	29	72	280	273	127	167	62	16	112
ROOMS										
1 to 3 rooms -----	38	14	8	7	—	—	—	—	9	66
4 rooms -----	380	11	66	122	89	48	24	20	—	98
5 rooms -----	529	26	34	154	171	88	28	28	—	107
6 rooms -----	377	4	15	70	112	77	86	13	—	122
7 rooms -----	313	—	7	29	76	84	91	13	13	138
8 or more rooms -----	258	—	10	31	60	25	62	46	24	152
Median -----	5.5	4.6	4.4	5.0	5.5	5.8	6.6	6.4	B.5+	...
YEAR STRUCTURE BUILT										
1975 to March 1980 -----	68	7	—	13	—	30	18	—	—	137
1970 to 1974 -----	65	—	—	—	28	10	12	11	4	136
1960 to 1969 -----	223	5	6	38	25	71	38	28	12	138
1950 to 1959 -----	370	11	—	49	127	54	80	42	7	125
1940 to 1949 -----	319	—	42	75	80	62	35	20	5	113
1939 or earlier -----	850	32	92	238	248	95	108	19	18	106
VALUE										
Less than \$10,000 -----	—	—	—	—	—	—	—	—	—	—
\$10,000 to \$19,999 -----	140	7	22	48	43	20	—	—	—	96
\$20,000 to \$29,999 -----	312	26	40	89	106	12	19	20	—	100
\$30,000 to \$39,999 -----	386	17	34	122	115	63	30	—	5	104
\$40,000 to \$49,999 -----	309	—	31	63	116	31	62	6	—	113
\$50,000 to \$59,999 -----	280	5	—	64	44	55	75	29	8	137
\$60,000 to \$79,999 -----	336	—	13	22	66	115	66	33	21	140
\$80,000 to \$99,999 -----	69	—	—	5	12	13	19	20	—	162
\$100,000 to \$149,999 -----	59	—	—	—	6	13	20	12	8	176
\$150,000 or more -----	4	—	—	—	—	—	—	—	4	250+
Median -----	\$45 100	\$28 600	\$31 900	\$36 000	\$39 100	\$53 800	\$55 300	\$68 100	\$64 200	...
SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent -----	950	33	51	204	277	163	146	59	17	117
10 to 14 percent -----	416	22	34	122	76	75	49	14	24	110
15 to 19 percent -----	167	—	34	34	34	12	34	19	—	111
20 to 24 percent -----	143	—	—	29	37	37	33	7	—	129
25 to 29 percent -----	78	—	21	14	38	5	—	—	—	103
30 to 34 percent -----	37	—	—	10	7	8	12	—	—	130
35 percent or more -----	99	—	—	—	34	22	17	21	5	143
Not computed -----	5	—	—	—	5	—	—	—	—	113
Median -----	10—	10—	12.8	10.1	10—	10—	10.0	10.4	11.3	...
SELECTED CHARACTERISTICS										
Heating equipment -----	1 895	55	140	413	508	322	291	120	46	117
Steam or hot water system -----	144	—	—	27	25	34	28	21	9	140
Central warm-air furnace or electric heat pump -----	948	—	27	148	247	209	190	90	37	131
Other built-in electric units -----	345	32	50	82	92	44	45	—	—	102
Floor, wall, or pipeless furnace -----	146	—	4	70	55	—	17	—	—	100
Other means -----	312	23	59	86	89	35	11	9	—	97
Air conditioning -----	114	—	4	25	23	37	18	7	—	128
Central system -----	53	—	—	18	12	23	—	—	—	118
1 or more individual room units -----	61	—	4	7	11	14	18	7	—	140
House heating fuel -----	1 895	55	140	413	508	322	291	120	46	117
Utility gas -----	553	5	49	136	168	73	75	38	9	113
Bottled, tank, or LP gas -----	6	—	—	—	6	—	—	—	—	113
Electricity -----	476	32	55	110	132	86	51	10	—	108
Fuel oil, kerosene, etc. -----	813	18	36	145	177	163	165	72	37	130
Other -----	47	—	—	22	25	—	—	—	—	101

Table B — 7. Year Structure Built 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 appendixes A and B.]

Olympia 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	6 518	1 068	699	1 051	1 921	1 779	5 151	1 088	888	836	1 221	1 118
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER												
Married-couple families	4 428	854	524	745	1 284	1 021	1 287	354	194	149	339	251
15 to 24 years	53	—	—	26	20	7	251	97	50	24	50	30
25 to 34 years	763	255	91	34	206	177	589	146	79	53	232	79
35 to 44 years	944	263	92	164	201	224	144	30	21	22	12	59
45 to 64 years	1 848	267	272	387	597	325	216	76	23	36	31	50
65 years and over	820	69	69	134	260	288	87	5	21	14	14	33
Male householder, no wife present	625	57	39	61	218	250	1 447	299	208	290	316	334
15 to 24 years	48	7	6	—	22	13	303	92	32	55	55	69
25 to 34 years	147	19	15	—	54	59	635	100	98	131	166	140
35 to 44 years	95	23	5	25	13	29	216	72	37	66	26	15
45 to 64 years	107	8	8	13	38	40	198	31	36	38	49	44
65 years and over	228	—	5	23	91	109	95	4	5	—	20	66
Female householder, no husband present	1 465	157	136	245	419	508	2 417	435	486	397	566	533
15 to 24 years	24	5	5	6	—	8	519	135	76	106	122	80
25 to 34 years	130	13	22	13	48	34	684	135	149	78	191	131
35 to 44 years	168	34	32	18	58	26	212	48	42	29	63	30
45 to 64 years	436	76	31	62	135	132	310	48	79	69	55	59
65 years and over	707	29	46	146	178	308	692	69	140	115	135	233
Median age	52.3	42.6	49.5	56.3	54.2	59.0	31.8	29.8	32.4	33.4	30.2	37.8
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	911	383	101	125	150	152	3 139	907	509	421	728	574
1975 to 1978	1 936	685	294	183	459	315	1 408	181	270	283	344	330
1970 to 1974	984	—	304	201	255	224	353	—	109	93	67	84
1960 to 1969	1 375	—	—	542	476	357	172	—	—	39	52	81
1959 or earlier	1 312	—	—	—	581	731	79	—	—	—	30	49
ROOMS												
1 room	22	—	—	7	—	15	164	12	50	6	28	68
2 rooms	38	5	14	8	11	—	720	93	162	126	124	215
3 rooms	161	18	21	38	23	61	1 249	186	244	233	294	292
4 rooms	905	85	74	134	399	213	1 488	475	229	244	318	222
5 rooms	1 404	156	123	240	462	423	895	273	130	117	278	97
6 rooms	1 354	240	142	140	448	384	345	23	61	55	101	105
7 or more rooms	2 634	564	325	484	578	683	290	26	12	55	78	119
Median	6.0	6.6	6.3	6.2	5.6	6.0	3.8	4.0	3.5	3.7	4.0	3.4
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	6 496	1 068	693	1 051	1 921	1 763	4 989	1 051	870	824	1 201	1 043
0.50 or less	5 037	711	553	849	1 507	1 417	3 437	686	566	673	791	721
0.51 to 1.00	1 386	346	126	178	401	335	1 419	319	279	133	382	306
1.01 to 1.50	53	11	6	17	13	6	119	46	25	10	28	10
1.51 or more	20	—	8	7	—	5	14	—	—	8	—	6
Lacking complete plumbing for exclusive use	22	—	6	—	—	16	162	37	18	12	20	75
0.50 or less	15	—	6	—	—	9	82	23	6	6	14	33
0.51 to 1.00	7	—	—	—	—	7	72	6	12	6	6	42
1.01 to 1.50	—	—	—	—	—	—	8	8	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—	—
PERSONS IN UNIT												
1 person	1 320	106	105	208	383	518	2 522	444	428	465	553	632
2 persons	2 497	329	264	392	884	628	1 383	340	271	231	319	222
3 persons	1 086	191	145	214	287	249	642	158	116	81	159	128
4 persons	938	264	110	138	228	198	378	72	45	44	137	76
5 persons	465	136	49	75	85	120	124	41	20	9	26	32
6 or more persons	212	42	28	24	54	66	102	33	8	6	27	28
Median	2.28	3.02	2.43	2.31	2.15	2.09	1.54	1.79	1.56	1.40	1.68	1.38
Total persons	17 354	3 434	2 018	2 841	4 698	4 363	9 752	2 256	1 551	1 452	2 445	2 048
UNITS IN STRUCTURE												
1, detached or attached	5 886	871	565	894	1 841	1 715	1 635	172	100	218	668	477
2	102	9	12	26	27	28	695	197	85	111	195	107
3 and 4	40	11	—	—	18	11	364	141	57	40	50	76
5 to 9	20	12	—	—	—	8	412	78	111	46	63	114
10 to 49	87	20	38	16	—	13	1 169	277	244	308	165	175
50 or more	17	—	11	6	—	—	810	207	273	92	75	163
Mobile home or trailer, etc.	366	145	73	109	35	4	66	16	18	21	5	6
SELECTED CHARACTERISTICS												
Heating equipment	6 518	1 068	699	1 051	1 921	1 779	5 151	1 088	888	836	1 221	1 118
Steam or hot water system	579	7	40	168	201	163	430	—	57	28	127	218
Central warm-air furnace or electric heat pump	3 577	828	412	495	983	859	1 097	197	129	141	299	331
Other built-in electric units	1 220	191	188	316	300	225	2 581	843	634	540	354	210
Floor, wall, or pipeless furnace	319	9	6	17	177	110	230	5	28	25	92	80
Other means	823	33	53	55	260	422	813	43	40	102	349	279
Air conditioning	445	108	60	96	86	95	113	10	26	12	31	34
Central system	228	101	21	34	38	34	40	10	17	—	—	13
1 or more individual room units	217	7	39	62	48	61	73	—	9	12	31	21
House heating fuel	6 518	1 068	699	1 051	1 921	1 779	5 151	1 088	888	836	1 221	1 118
Utility gas	2 189	190	331	388	579	701	1 369	57	120	145	511	536
Bottled, tank, or LP gas	29	6	—	12	6	5	59	—	8	17	27	7
Electricity	2 262	855	286	426	385	310	3 023	1 012	737	597	419	258
Fuel oil, kerosene, etc.	1 751	11	48	204	853	635	576	—	23	57	239	257
Other	287	6	34	21	98	128	124	19	—	20	25	60
Income in 1979 below poverty level	293	51	11	45	71	115	1 168	189	278	166	224	311
Percent below poverty level	4.5	4.8	1.6	4.3	3.7	6.5	22.7	17.4	31.3	19.9	18.3	27.8
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	432	37	16	71	97	211	1 348	235	311	157	202	443
\$5,000 to \$9,999	747	66	75	95	189	322	1 319	256	214	230	393	226
\$10,000 to \$12,499	408	29	25	43	162	149	617	107	92	124	164	130
\$12,500 to \$14,999	416	40	27	52	185	112	351	75	89	61	77	49
\$15,000 to \$19,999	894	126	121	137	328	182	709	192	91	103	208	115
\$20,000 to \$24,999	825	169	96	120	261	180	381	79	74	87	98	43
\$25,000 to \$34,999	1 339	258	113	192	361	415	253	72	—	31	70	80
\$35,000 to \$49,999	959	261	102	223	236	137	129	46	13	36	9	25
\$50,000 or more	497	82	124	118	102	71	44	26	4	7	—	7
Median	\$22 124	\$26 971	\$24 441	\$25 253	\$19 993	\$17 387	\$9 642	\$11 238	\$8 312	\$10 625	\$10 236	\$6 801
Mean	\$25 981	\$29 918	\$30 367	\$33 370	\$23 702	\$19 989	\$11 996	\$13 900	\$9 918	\$13 013	\$12 145	\$10 871

Table B—8. Units in Structure 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 appendixes A and 8.]

Olympia city	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
Occupied housing units	6 518	5 886	266	366	5 151	1 635	695	364	412	1 169	810	66
Condominium housing units	98	20	78	—	32	—	11	—	—	21	—	—
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER	4 428	4 153	116	159	1 287	608	199	83	90	169	126	12
Married-couple families	53	53	—	—	251	86	38	15	33	61	12	6
15 to 24 years	763	720	13	30	589	324	92	45	40	42	40	6
25 to 34 years	944	924	20	—	144	94	19	8	8	11	4	—
35 to 44 years	1 848	1 766	41	41	216	70	45	15	—	36	50	—
45 to 64 years	820	690	42	88	87	34	5	—	9	19	20	—
65 years and over	625	520	45	60	1 447	435	189	103	134	420	154	12
Male householder, no wife present	48	42	6	—	303	88	55	30	34	68	28	—
15 to 24 years	147	117	20	10	635	243	105	47	46	146	48	—
25 to 34 years	95	64	14	17	216	58	17	20	12	74	35	—
35 to 44 years	107	90	5	12	198	26	12	6	32	97	18	7
45 to 64 years	228	207	—	21	95	20	—	—	10	35	25	5
65 years and over	1 465	1 213	105	147	2 417	592	307	178	188	580	530	42
Female householder, no husband present	24	14	—	10	519	107	62	68	30	176	71	5
15 to 24 years	130	123	7	—	684	242	99	66	45	157	69	6
25 to 34 years	168	147	11	10	212	74	23	10	22	39	44	—
35 to 44 years	436	361	25	50	310	44	54	21	36	70	79	6
45 to 64 years	707	568	62	77	692	125	69	13	55	138	267	25
65 years and over	52.3	51.4	56.1	65.2	31.8	30.4	30.3	28.9	31.3	31.4	53.7	57.9
Median age												
YEAR HOUSEHOLDER MOVED INTO UNIT												
1979 to March 1980	911	751	71	89	3 139	1 018	413	303	242	758	393	12
1975 to 1978	1 936	1 719	76	141	1 408	439	211	61	121	286	246	44
1970 to 1974	984	863	42	79	353	56	47	—	22	67	151	10
1960 to 1969	1 375	1 273	56	46	172	84	15	—	15	38	20	—
1959 or earlier	1 312	1 280	21	11	79	38	9	—	12	20	—	—
ROOMS												
1 room	22	8	7	7	164	—	6	—	31	75	47	5
2 rooms	38	12	6	20	720	77	39	47	108	267	182	—
3 rooms	161	81	28	52	1 249	155	142	97	123	429	286	17
4 rooms	905	710	66	129	1 488	514	323	121	110	260	150	10
5 rooms	1 404	1 239	59	106	895	432	133	74	36	87	105	28
6 rooms	1 354	1 245	74	35	345	220	42	15	—	30	32	6
7 or more rooms	2 634	2 591	26	17	290	237	10	10	4	21	8	—
Median	6.0	6.2	4.9	4.3	3.8	4.7	4.0	3.8	3.0	3.1	3.1	4.5
PLUMBING FACILITIES BY PERSONS PER ROOM												
Complete plumbing for exclusive use	6 496	5 877	253	366	4 989	1 630	689	359	385	1 085	775	66
0.50 or less	5 037	4 506	224	307	3 437	1 038	511	218	265	761	601	43
0.51 to 1.00	1 386	1 318	24	44	1 419	540	167	110	100	309	170	23
1.01 to 1.50	53	40	5	8	119	52	5	31	12	15	4	—
1.51 or more	20	13	—	7	14	—	6	—	8	—	—	—
Lacking complete plumbing for exclusive use	22	9	13	—	162	5	6	5	27	84	35	—
0.50 or less	15	9	6	—	82	5	6	—	—	48	23	—
0.51 to 1.00	7	—	7	—	72	—	—	—	5	19	12	—
1.01 to 1.50	—	—	—	—	8	—	—	—	—	8	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—	—
BEDROOMS												
None	22	8	7	7	307	26	17	5	71	136	47	5
1	306	181	31	94	1 943	272	177	155	179	648	500	12
2	1 764	1 436	133	195	2 118	754	460	176	137	334	220	37
3	2 989	2 835	84	70	613	467	41	28	21	14	30	12
4	1 133	1 122	11	—	161	107	—	—	4	37	13	—
5 or more	304	304	—	—	9	9	—	—	—	—	—	—
HOUSEHOLD INCOME IN 1979												
Less than \$5,000	432	342	19	71	1 348	230	94	108	129	364	380	43
\$5,000 to \$9,999	747	641	17	89	1 319	396	244	108	95	284	192	—
\$10,000 to \$12,499	408	329	22	57	617	222	124	31	57	111	72	—
\$12,500 to \$14,999	416	365	23	28	351	129	46	45	20	68	26	17
\$15,000 to \$19,999	894	782	61	51	709	294	82	41	40	191	61	—
\$20,000 to \$24,999	826	747	30	49	381	142	50	27	42	78	36	6
\$25,000 to \$34,999	1 339	1 279	39	21	253	136	43	4	15	45	10	—
\$35,000 to \$49,999	959	927	32	—	129	65	12	—	14	11	27	—
\$50,000 or more	497	474	23	—	44	21	—	—	—	17	6	—
Median	\$22 124	\$23 242	\$19 196	\$11 009	\$9 642	\$12 157	\$10 192	\$8 265	\$8 548	\$8 688	\$5 595	\$4 219
Mean	\$25 981	\$26 765	\$27 617	\$12 179	\$11 996	\$14 971	\$12 290	\$9 535	\$11 019	\$11 137	\$8 949	\$7 494
SELECTED CHARACTERISTICS												
Heating equipment	6 518	5 886	266	366	5 151	1 635	695	364	412	1 169	810	66
Steam or hot water system	579	544	35	—	430	50	6	16	61	149	142	6
Central warm-air furnace or electric heat pump	3 577	3 182	129	266	1 097	530	91	119	62	120	126	49
Other built-in electric units	1 220	1 132	44	44	2 581	427	441	191	220	768	534	—
Floor, wall, or pipeless furnace	319	298	17	4	230	175	21	8	4	22	—	—
Other means	823	730	41	52	813	453	136	30	65	110	8	11
Air conditioning	445	358	40	47	113	36	11	6	23	22	4	11
Central system	228	192	13	23	40	13	—	—	12	9	—	6
Vehicles available	6 100	5 535	256	309	3 924	1 409	581	298	281	818	477	60
1	1 932	1 652	105	175	2 661	708	413	240	242	616	388	54
2 or more	4 168	3 883	151	134	1 263	701	168	58	39	202	89	6
House heating fuel	6 518	5 886	266	366	5 151	1 635	695	364	412	1 169	810	66
Utility gas	2 189	2 046	74	69	1 369	629	138	86	137	244	112	23
Bottled, tank, or LP gas	29	18	—	11	59	39	—	8	6	—	6	—
Electricity	2 262	1 883	114	265	3 023	504	465	238	248	885	646	37
Fuel oil, kerosene, etc.	1 751	1 680	65	6	576	392	79	32	21	18	34	—
Other	287	259	13	15	124	71	13	—	—	22	18	—
Water heating fuel	6 511	5 886	259	366	5 151	1 635	695	364	412	1 169	810	66
Utility gas	1 016	958	33	25	821	298	74	83	97	193	52	24
Bottled, tank, or LP gas	31	18	—	13	70	46	—	—	17	7	—	—
Electricity	5 381	4 831	222	328	4 223	1 285	621	281	298	963	733	42
Fuel oil, kerosene, etc.	74	70	4	—	37	6	—	—	—	6	25	—
Other	9	9	—	—	—	—	—	—	—	—	—	—
Family householder	5 010	4 682	144	184	2 000	889	252	154	138	322	221	24
With own children under 18 years	2 278	2 207	38	33	1 241	535	154	112	102	173	141	24
With own children under 6 years	778	754	6	18	741	294	94	78	72	136	55	12
Female householder, no husband present	461	415	28	18	609	227	48	63	38	132	89	12
With own children under 18 years	211	200	11	—	511	183	43	50	32	108	83	12
With own children under 6 years	21	21	—	—	249	66	18	31	6	89	33	6
Nonfamily householder	1 508	1 204	122	182	3 151	746	443	210	274	847	589	42
Income in 1979 below poverty level	293	246	4	43	1 168	300	81	112	117	291	238	29
Percent below poverty level	4.5	4.2	1.5	11.7	22.7	18.3	11.7	30.8	28.4	24.9	29.4	43.9

Table B—9. Owner- and Renter-Occupied Housing Units by Size of Household: 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]

Olympia city

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
Owner-occupied housing units	6 518	1 320	2 497	1 086	938	445	128	57	27	2.28	17 354
Nonrelatives present	291	—	172	33	28	15	6	27	10	2.35	893
ROOMS											
1 to 3 rooms	221	142	63	8	—	—	—	8	—	1.28	353
4 rooms	905	358	417	70	35	19	6	—	—	1.73	1 748
5 rooms	1 404	365	662	211	98	45	7	—	—	2.01	3 114
6 rooms	1 354	219	564	305	168	74	24	—	—	2.31	3 437
7 rooms	1 164	146	399	227	266	77	31	12	6	2.66	3 433
8 or more rooms	1 470	90	392	265	371	250	60	26	16	3.45	5 269
Median	6.0	4.9	5.7	6.3	7.1	7.7	7.4	7.3	8.5+	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	6 496	1 303	2 492	1 086	938	445	128	57	27	2.28	17 327
1.00 or less	6 423	1 303	2 485	1 082	938	446	115	38	16	2.27	16 959
1.01 to 1.50	53	—	—	4	—	19	13	11	6	5.77	84
1.51 or more	20	—	—	—	—	—	—	8	5	6.88	84
Lacking complete plumbing for exclusive use	22	17	5	—	—	—	—	—	—	1.15	27
1.00 or less	22	17	5	—	—	—	—	—	—	1.15	27
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
UNITS IN STRUCTURE											
1, detached or attached	5 886	1 040	2 243	1 039	914	438	128	57	27	2.35	16 036
2 or more	266	103	110	29	13	11	—	—	—	1.77	556
Mobile home or trailer, etc.	366	177	144	18	11	16	—	—	—	1.54	762
VALUE											
Specified owner-occupied housing units	5 587	980	2 165	972	847	429	117	57	20	2.34	14 989
Less than \$10,000	22	14	8	—	—	—	—	—	—	1.29	23
\$10,000 to \$19,999	212	108	68	27	—	9	—	—	—	1.48	313
\$20,000 to \$29,999	456	178	196	40	23	4	7	8	—	1.76	866
\$30,000 to \$39,999	818	203	333	177	58	36	—	11	—	2.12	1 903
\$40,000 to \$49,999	963	174	394	167	132	61	—	—	9	2.28	2 577
\$50,000 to \$59,999	801	120	405	122	105	36	26	—	6	2.19	1 892
\$60,000 to \$79,999	1 266	143	441	233	122	90	55	12	—	2.71	3 640
\$80,000 to \$99,999	556	19	190	89	294	93	22	14	5	3.28	1 904
\$100,000 to \$149,999	410	13	111	94	96	88	—	4	—	3.36	1 486
\$150,000 or more	83	8	19	23	17	12	—	8	—	3.13	385
Median	\$53 600	\$39 400	\$51 600	\$56 700	\$65 800	\$73 200	\$69 000	\$67 900	\$50 800	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	6 518	1 320	2 497	1 086	938	445	128	57	27	2.28	17 354
Median income	\$22 124	\$9 229	\$21 680	\$25 224	\$27 063	\$29 536	\$33 448	\$34 750	\$33 750	...	...
Median selected monthly owner costs as percentage of household income	15.5	20.1	13.2	16.4	17.3	16.8	16.9	17.3	14.5	...	...
With a mortgage	18.1	23.4	16.6	18.3	18.4	17.4	16.9	18.4	14.5	...	...
Not mortgaged	10—	15.8	10—	10—	10—	10—	—	10—	—	...	...
Income in 1979 below poverty level	293	126	96	37	25	5	—	—	4	1.71	...
Median income	\$3 417	\$2 684	\$3 585	\$3 750	\$6 250	\$3 750	—	—	\$16 250	...	...
Median selected monthly owner costs as percentage of household income	50+	50+	50+	50+	50+	50+	—	—	27.5	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	—	—	27.5	...	...
Not mortgaged	31.5	44.2	26.8	50+	—	—	—	—	—	...	...
Renter-occupied housing units	5 151	2 522	1 383	642	374	128	65	19	18	1.54	9 752
Nonrelatives present	761	—	479	140	70	49	18	5	—	2.29	1 988
ROOMS											
1 room	164	158	6	—	—	—	—	—	—	1.02	174
2 rooms	720	575	109	28	8	—	—	—	—	1.13	864
3 rooms	1 249	888	292	56	13	—	—	—	—	1.20	1 691
4 rooms	1 488	537	532	246	145	20	8	—	—	1.89	3 012
5 rooms	895	274	309	152	68	45	33	14	—	2.06	2 121
6 rooms	345	39	69	133	77	16	5	—	6	2.98	964
7 or more rooms	290	51	66	27	63	47	19	5	12	3.52	926
Median	3.8	3.1	4.0	4.5	4.8	5.5	5.2	5.2	8.1	...	...
PLUMBING FACILITIES BY PERSONS PER ROOM											
Complete plumbing for exclusive use	4 989	2 378	1 373	634	374	128	65	19	18	1.58	9 566
1.00 or less	4 856	2 378	1 367	614	353	108	24	5	7	1.54	8 939
1.01 to 1.50	119	—	—	20	13	20	41	14	11	5.66	588
1.51 or more	14	—	6	—	8	—	—	—	—	3.63	39
Lacking complete plumbing for exclusive use	162	144	10	8	—	—	—	—	—	1.06	186
1.00 or less	154	144	10	—	—	—	—	—	—	1.03	168
1.01 to 1.50	8	—	—	8	—	—	—	—	—	3.00	18
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
UNITS IN STRUCTURE											
1, detached or attached	1 635	433	563	292	203	75	40	11	18	2.18	3 931
2	695	340	188	114	48	5	—	—	—	1.54	1 250
3 and 4	364	161	93	50	16	23	21	—	—	1.73	807
5 to 9	412	245	79	39	37	—	4	8	—	1.34	742
10 to 49	1 169	745	295	100	25	4	—	—	—	1.28	1 755
50 or more	810	556	159	41	39	15	—	—	—	1.23	1 140
Mobile home or trailer, etc.	66	42	6	6	6	6	—	—	—	1.29	127
GROSS RENT											
Specified renter-occupied housing units	5 051	2 478	1 343	638	371	128	56	19	18	1.54	9 579
Less than \$100	338	287	35	7	9	—	—	—	—	1.09	350
\$100 to \$149	502	387	69	41	5	—	—	—	—	1.15	662
\$150 to \$199	704	513	137	35	19	—	—	—	—	1.19	1 038
\$200 to \$249	1 139	616	306	98	76	22	21	—	—	1.42	2 001
\$250 to \$299	1 149	414	419	171	93	39	5	8	—	1.88	2 326
\$300 to \$349	498	115	172	140	50	16	5	—	—	2.28	1 154
\$350 to \$399	333	72	102	74	66	4	15	—	—	2.43	847
\$400 to \$499	235	25	73	40	53	21	6	5	12	2.99	718
\$500 or more	72	12	7	11	—	26	4	6	6	4.73	305
No cash rent	81	37	23	21	—	—	—	—	—	1.65	178
Median	\$241	\$202	\$267	\$285	\$290	\$309	\$320	\$430	\$475	...	...
SELECTED CHARACTERISTICS											
All income levels in 1979	5 151	2 522	1 383	642	374	128	65	19	18	1.54	9 752
Median income	\$9 642	\$7 015	\$12 243	\$11 061	\$15 822	\$11 786	\$21 161	\$5 625	\$15 833	...	...
Median gross rent as percentage of household income	28.5	31.2	25.5	28.0	25.0	28.9	19.3	50+	38.3	...	...
Income in 1979 below poverty level	1 168	549	224	191	90	63	25	19	7	1.66	...
Median income	\$3 508	\$2 958	\$3 643	\$4 297	\$4 286	\$5 197	\$6 406	\$5 625	\$11 250	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	46.5	50.0	50+	45.0	...	...

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)

Olympia 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	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	
	Total															
Owner-occupied housing units	6 518	763	944	1 848	820	48	147	95	107	228	24	130	168	436	707	52.3
PERSONS IN UNIT																
1 person	1 320	—	—	—	—	25	90	46	73	187	13	56	22	266	542	67.2
2 persons	2 497	165	179	1 001	741	23	42	34	6	30	11	40	44	108	147	60.8
3 persons	1 086	231	367	938	79	—	15	277	16	11	—	24	91	40	7	43.8
4 persons	465	94	233	127	—	—	—	—	—	—	—	5	8	5	5	41.3
5 persons	212	15	93	75	—	—	—	—	—	—	—	—	—	—	6	39.8
6 or more persons	2 288	3 344	4 10	2 052	2 05	1 46	1 32	1 54	4	1 11	1 42	1 72	2 70	1 32	1 15	43.7
Median	1 59	2 629	4 072	5 393	1 742	83	229	158	195	293	38	268	470	753	872	—
Total persons	6 496	763	944	1 848	820	42	136	95	107	228	24	130	168	436	702	52.3
PLUMBING FACILITIES BY PERSONS PER ROOM																
Complete plumbing for exclusive use	73	8	21	27	—	6	11	—	—	—	—	—	—	10	5	45.2
Lacking complete plumbing for exclusive use	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.6
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																
With a mortgage	5 587	713	864	1 653	663	42	117	57	84	190	14	118	144	338	537	51.2
Less than 15 percent	3 692	46	814	1 196	128	30	110	52	59	19	—	118	132	186	120	48.7
15 to 19 percent	843	91	304	681	63	5	25	29	21	8	—	17	10	38	19	42.3
20 to 24 percent	604	229	193	249	31	14	16	10	14	8	—	11	38	29	26	37.4
25 to 29 percent	347	106	127	106	10	14	10	6	14	5	—	29	41	31	13	37.4
30 to 34 percent	134	81	81	347	—	5	20	66	—	—	—	22	19	9	—	42.1
35 percent or more	431	35	36	35	19	6	7	—	18	6	—	39	24	54	44	43.4
Not computed	17	—	—	—	—	—	—	—	—	—	—	—	—	—	5	51.5
Median	18.1	20.7	17.7	14.1	15.2	23.6	21.8	11.7	20.9	26.5	—	25.5	22.2	23.8	24.8	—
Net mortgaged	1 895	28	50	457	535	12	10	5	25	171	14	—	—	152	417	68.2
Less than 10 percent	950	17	38	392	263	12	4	5	21	46	14	—	—	71	67	62.5
10 to 14 percent	416	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15 to 19 percent	167	—	12	22	27	—	6	—	4	—	—	—	—	32	89	70.5
20 to 24 percent	143	—	—	10	40	—	—	—	—	—	—	—	—	12	78	74.4
25 to 29 percent	78	—	—	6	12	—	—	—	—	—	—	—	—	21	60	70.1
30 to 34 percent	37	—	—	—	—	—	—	—	—	—	—	—	—	—	40	76.5
35 percent or more	99	—	—	7	7	—	—	—	—	—	—	—	—	5	18	72.5
Not computed	5	—	—	—	—	—	—	—	—	—	—	—	—	6	65	77.2
Median	10—	10—	10—	10—	10.1	10—	10.8	10—	10—	13.6	10—	—	12.5	10.4	18.4	—
Renter-occupied housing units	5 151	589	144	216	87	303	635	216	198	95	519	684	212	310	692	31.8
PERSONS IN UNIT																
1 person	2 522	—	—	—	—	147	455	141	181	80	270	307	88	190	663	38.3
2 persons	1 383	228	35	93	82	110	103	61	13	15	172	162	47	97	29	28.5
3 persons	642	170	5	56	—	46	27	6	4	—	68	143	54	6	—	29.4
4 persons	374	139	28	29	—	—	37	8	—	—	9	32	23	9	—	29.4
5 persons	128	23	28	27	—	—	—	8	—	—	—	26	—	8	—	37.5
6 or more persons	102	29	38	11	—	—	5	—	—	—	—	14	—	—	—	36.2
Median	1 54	2 89	4 34	2 77	2 03	1 54	1 20	1 27	1 05	1 09	1 46	1 72	1 88	1 32	1 02	—
Total persons	9 752	1 811	574	662	176	541	921	334	233	130	828	1 321	410	488	647	—
PLUMBING FACILITIES BY PERSONS PER ROOM																
Complete plumbing for exclusive use	4 989	576	144	216	87	279	616	204	176	74	513	675	204	298	676	31.8
Lacking complete plumbing for exclusive use	133	31	42	4	5	24	19	12	22	21	5	14	4	6	—	35.5
1.01 or more persons per room	162	13	—	—	—	—	—	—	—	—	—	9	8	16	—	38.6
1.01 or more persons per room	8	8	—	—	—	—	—	—	—	—	—	—	—	—	—	27.5
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																
Specified renter-occupied housing units	5 051	577	141	216	79	303	609	205	198	95	513	675	202	302	685	31.8
Less than 15 percent	17	93	31	28	14	23	103	112	86	25	51	63	14	11	51	37.9
15 to 19 percent	43	110	22	67	13	19	87	25	24	5	69	56	21	71	37	32.4
20 to 24 percent	673	67	32	28	7	32	131	25	19	15	60	83	32	61	68	32.0
25 to 29 percent	594	100	13	22	14	20	48	65	25	8	65	100	58	42	47	29.7
30 to 34 percent	421	30	4	12	6	18	72	24	7	9	16	77	9	18	97	30.4
35 to 49 percent	837	34	19	11	8	75	65	24	11	28	64	155	37	36	160	31.3
50 percent or more	1 029	73	31	22	8	104	103	15	26	5	205	124	31	44	202	29.1
Not computed	126	17	—	—	—	12	—	—	—	—	—	—	—	—	—	56.7
Median	28.5	31.9	24.1	20.0	24.6	41.9	24.4	14.4	17.7	26.6	42.0	31.8	27.9	24.9	38.4	—

Table B-11. Age and Sex of Householder in One-Person Households 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 appendixes A and B.]

Olympia city

	Male householder						Female householder						
	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	
Owner-occupied housing units	1 320	421	25	90	46	73	187	899	13	56	22	266	542
PLUMBING FACILITIES													
Complete plumbing for exclusive use	1 303	404	19	79	46	73	187	899	13	56	22	266	542
Lacking complete plumbing for exclusive use	17	17	6	11	—	—	—	—	—	—	—	—	—
UNITS IN STRUCTURE													
1, detached or attached	1 040	327	19	64	22	56	166	713	8	56	18	213	418
2 or more	103	41	6	16	14	5	—	62	—	—	—	15	47
Mobile home or trailer, etc.	177	53	—	10	10	12	21	124	5	—	4	38	77
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	326	65	—	11	—	16	38	261	—	—	—	57	204
\$5,000 to \$9,999	388	112	6	19	5	5	77	276	5	—	4	48	219
\$10,000 to \$12,499	108	30	14	6	—	5	5	78	8	16	—	15	39
\$12,500 to \$14,999	99	40	—	13	—	—	27	59	—	—	11	27	21
\$15,000 to \$19,999	156	26	—	—	5	6	15	130	—	27	—	75	28
\$20,000 to \$24,999	105	51	—	25	14	12	—	54	—	6	—	30	18
\$25,000 to \$34,999	81	40	—	9	15	4	12	41	—	7	7	14	13
\$35,000 to \$49,999	43	43	5	7	—	25	6	—	—	—	—	—	—
\$50,000 or more	14	14	—	—	—	—	7	—	—	—	—	—	—
Median	\$9 229	\$12 719	\$11 161	\$14 231	\$22 321	\$21 875	\$7 135	\$8 426	\$10 469	\$16 429	\$14 091	\$13 704	\$6 523
Mean	\$12 723	\$18 004	\$17 242	\$17 047	\$35 711	\$22 471	\$12 468	\$10 250	\$10 043	\$16 711	\$16 484	\$12 845	\$8 060
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
Specified owner-occupied housing units	980	314	19	64	15	56	160	666	8	56	18	197	387
With a mortgage	369	129	19	54	10	35	11	240	—	56	18	98	68
Less than \$200	89	24	5	14	—	5	—	65	—	—	11	15	39
\$200 to \$249	72	31	14	6	—	11	—	41	—	—	—	30	—
\$250 to \$299	55	26	—	11	10	—	5	29	—	4	—	19	6
\$300 to \$349	39	11	—	11	—	—	—	28	—	11	—	6	11
\$350 to \$399	39	11	—	5	—	6	—	28	—	16	—	6	6
\$400 to \$499	35	11	—	—	—	5	6	24	—	—	7	17	—
\$500 to \$599	18	7	—	7	—	—	—	18	—	7	—	5	6
\$600 to \$749	14	8	—	—	—	—	—	7	—	7	—	—	—
\$750 or more	8	8	—	—	—	8	—	—	—	—	—	—	—
Median	\$271	\$268	\$216	\$282	\$275	\$363	\$404	\$274	\$356	\$191	\$261	\$192	\$192
Not mortgaged	611	185	—	10	5	21	149	426	8	—	—	99	319
Less than \$50	27	15	—	4	—	—	11	12	—	—	—	—	12
\$50 to \$74	80	32	—	—	—	5	27	48	8	—	—	5	35
\$75 to \$99	150	29	—	—	—	—	29	121	—	—	—	24	97
\$100 to \$124	146	50	—	6	5	4	35	96	—	—	—	28	68
\$125 to \$149	106	15	—	—	—	—	15	91	—	—	—	24	67
\$150 to \$199	69	29	—	—	—	6	23	40	—	—	—	18	22
\$200 to \$249	28	15	—	—	—	6	9	13	—	—	—	—	13
\$250 or more	5	—	—	—	—	—	—	5	—	—	—	—	5
Median	\$108	\$108	—	\$104	\$113	\$163	\$105	\$108	\$63	—	—	\$118	\$106
SELECTED CHARACTERISTICS													
Median selected monthly owner costs as percentage of household income in 1979	20.1	15.5	21.6	19.5	11.3	16.7	14.4	21.4	10—	26.1	19.1	18.9	21.6
With a mortgage	23.4	21.5	21.6	20.8	12.5	22.3	35.4	25.9	—	26.1	19.1	29.5	29.6
Not mortgaged	15.8	12.3	—	10.8	10—	10—	13.8	18.5	10—	—	—	11.2	20.4
Income in 1979 below poverty level	126	32	—	4	—	16	12	94	—	—	—	35	59
Percent below poverty level	9.5	7.6	—	4.4	—	21.9	6.4	10.5	—	—	—	13.2	10.9
Renter-occupied housing units	2 522	1 004	147	455	141	181	80	1 518	270	307	88	190	663
PLUMBING FACILITIES													
Complete plumbing for exclusive use	2 378	911	123	441	129	159	59	1 467	264	298	80	178	647
Lacking complete plumbing for exclusive use	144	93	24	14	12	22	21	51	6	9	8	12	16
UNITS IN STRUCTURE													
1, detached or attached	433	190	30	115	13	19	13	243	38	69	16	12	108
2	340	133	23	86	12	12	—	207	25	63	19	31	69
3 and 4	161	72	12	42	12	6	—	89	17	52	—	7	13
5 to 9	245	118	28	46	12	22	10	127	23	19	—	30	55
10 to 49	745	346	36	118	68	97	27	399	103	79	27	58	132
50 or more	556	133	18	48	24	18	25	423	59	25	26	52	261
Mobile home or trailer, etc.	42	12	—	—	—	7	5	30	5	—	—	—	25
HOUSEHOLD INCOME IN 1979													
Less than \$5,000	933	273	71	73	27	51	51	660	116	54	14	69	407
\$5,000 to \$9,999	684	178	41	109	12	12	4	506	110	128	36	37	195
\$10,000 to \$12,499	351	164	23	96	14	19	12	187	26	82	11	31	37
\$12,500 to \$14,999	133	79	5	47	12	7	8	54	12	25	6	—	11
\$15,000 to \$19,999	229	164	7	79	36	37	5	65	6	5	15	35	4
\$20,000 to \$24,999	97	71	—	28	12	31	—	26	—	13	—	13	—
\$25,000 to \$34,999	60	40	—	17	17	6	—	20	—	—	6	5	9
\$35,000 to \$49,999	23	23	—	6	5	12	—	—	—	—	—	—	—
\$50,000 or more	12	12	—	—	6	6	—	—	—	—	—	—	—
Median	\$7 015	\$10 777	\$5 179	\$11 185	\$15 917	\$15 197	\$4 461	\$5 907	\$5 833	\$9 172	\$8 750	\$8 553	\$4 464
Mean	\$9 131	\$12 122	\$6 218	\$11 712	\$16 627	\$16 830	\$6 704	\$7 153	\$6 094	\$9 102	\$10 565	\$9 828	\$5 463
GROSS RENT													
Specified renter-occupied housing units	2 478	983	147	434	141	181	80	1 495	264	307	78	190	656
Less than \$100	287	60	—	14	—	19	27	227	—	—	8	27	192
\$100 to \$149	387	183	47	64	30	24	18	204	34	21	6	27	116
\$150 to \$199	513	266	26	105	46	69	20	247	64	93	17	10	63
\$200 to \$249	616	216	25	119	30	35	7	400	127	77	18	67	111
\$250 to \$299	414	168	23	99	18	28	—	246	32	57	13	45	99
\$300 to \$349	115	35	6	16	5	—	8	80	—	35	6	9	30
\$350 to \$399	72	26	14	6	—	6	—	46	7	21	—	—	18
\$400 to \$499	25	15	—	11	4	—	—	10	—	—	6	—	4
\$500 or more	12	8	—	—	8	—	—	4	—	—	4	—	—
No cash rent	37	6	—	—	—	—	—	31	—	3	—	5	23
Median	\$202	\$197	\$176	\$214	\$197	\$188	\$142	\$206	\$209	\$221	\$229	\$213	\$153
SELECTED CHARACTERISTICS													
Median gross rent as percentage of household income in 1979	31.2	24.0	47.8	23.7	14.7	17.9	31.1	35.3	44.5	32.5	26.7	27.1	40.0
Income in 1979 below poverty level	549	129	41	26	21	26	15	420	92	41	14	54	219
Percent below poverty level	21.8	12.8	27.9	5.7	14.9	14.4	18.8	27.7	34.1	13.4	15.9	28.4	33.0

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]

Olympia city					Olympia 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 -----					Vacant for rent housing units -----				
	160	62	48	50		451	419	5	27
ROOMS					ROOMS				
1 to 3 rooms -----	7	--	7	--	1 room -----	20	20	--	--
4 rooms -----	26	--	26	--	2 rooms -----	192	192	--	--
5 rooms -----	85	25	10	50	3 rooms -----	97	77	--	20
6 rooms -----	5	5	--	--	4 rooms -----	104	99	5	--
7 rooms -----	25	20	5	--	5 rooms -----	15	15	--	--
8 or more rooms -----	12	12	--	--	6 rooms -----	16	16	--	--
Median -----	5.1	6.5	4.2	5.0	7 or more rooms -----	7	--	--	7
					Median -----	2.6	2.5	4.0	3.2
PLUMBING FACILITIES					PLUMBING FACILITIES				
Complete plumbing for exclusive use -----	160	62	48	50	Complete plumbing for exclusive use -----	262	230	5	27
Lacking complete plumbing for exclusive use -----	--	--	--	--	Lacking complete plumbing for exclusive use -----	189	189	--	--
BEDROOMS					BEDROOMS				
None -----	--	--	--	--	None -----	196	196	--	--
1 -----	11	4	7	--	1 -----	122	102	--	20
2 -----	83	13	20	50	2 -----	105	100	5	--
3 -----	53	32	21	--	3 -----	21	21	--	--
4 -----	13	13	--	--	4 -----	--	--	--	--
5 or more -----	--	--	--	--	5 or more -----	7	--	--	7
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1975 to March 1980 -----	89	24	25	40	1975 to March 1980 -----	220	215	5	--
1970 to 1974 -----	4	4	--	--	1970 to 1974 -----	71	71	--	--
1960 to 1969 -----	11	7	--	4	1960 to 1969 -----	29	29	--	--
1950 to 1959 -----	--	--	--	--	1950 to 1959 -----	31	31	--	--
1940 to 1949 -----	21	5	16	6	1940 to 1949 -----	22	15	--	7
1939 or earlier -----	35	22	7	--	1939 or earlier -----	78	58	--	20
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1, detached or attached -----	94	40	44	10	1, detached or attached -----	81	74	--	7
2 or more -----	66	22	4	40	2 -----	5	--	5	--
Mobile home or trailer -----	--	--	--	--	3 and 4 -----	29	16	--	13
HEATING EQUIPMENT					HEATING EQUIPMENT				
Central heating system -----	150	56	44	50	5 to 9 -----	52	52	--	--
Other means -----	10	6	4	--	10 to 49 -----	256	249	--	7
None -----	--	--	--	--	50 or more -----	21	21	--	--
PRICE ASKED					RENT ASKED				
Specified vacant for sale only housing units -----					Specified vacant for rent housing units -----				
Less than \$10,000 -----	78	40	28	10	Less than \$100 -----	451	419	5	27
\$10,000 to \$19,999 -----	--	--	--	--	\$100 to \$149 -----	22	22	--	--
\$20,000 to \$29,999 -----	10	4	--	6	\$150 to \$199 -----	246	233	--	13
\$30,000 to \$39,999 -----	15	--	11	4	\$200 to \$249 -----	45	38	--	7
\$40,000 to \$49,999 -----	12	--	12	--	\$250 to \$299 -----	85	78	--	7
\$50,000 to \$59,999 -----	5	5	--	--	\$300 to \$399 -----	48	43	5	--
\$60,000 to \$79,999 -----	8	3	5	--	\$400 or more -----	5	5	--	--
\$80,000 to \$99,999 -----	25	25	--	--	Median -----	--	--	--	--
\$100,000 or more -----	3	3	--	--		\$134	\$129	\$263	\$181
Median -----	\$52 000	\$84 400	\$42 100	\$24 600					

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]

Olympia 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)
Total -----	78	--	10	27	38	3	52 000	451	22	291	133	5	--	134
PLUMBING FACILITIES														
Complete plumbing for exclusive use -----	78	--	10	27	38	3	52 000	262	22	102	133	5	--	203
Lacking complete plumbing for exclusive use -----	--	--	--	--	--	--	--	189	--	189	--	--	--	125
BEDROOMS														
None -----	--	--	--	--	--	--	--	196	7	189	--	--	--	125
1 -----	7	--	--	7	--	--	42 500	122	15	83	24	--	--	145
2 -----	13	--	6	4	3	--	35 600	105	--	19	86	--	--	226
3 -----	45	--	--	16	26	3	71 500	21	--	--	16	5	--	266
4 -----	13	--	4	--	9	--	82 800	--	--	--	--	--	--	--
5 or more -----	--	--	--	--	--	--	--	7	--	--	7	--	--	213
YEAR STRUCTURE BUILT														
1975 to March 1980 -----	17	--	--	--	14	3	83 900	220	--	195	25	--	--	126
1970 to 1974 -----	--	--	--	--	--	--	--	71	--	14	52	5	--	226
1960 to 1969 -----	11	--	--	4	7	--	92 100	29	--	6	23	--	--	209
1950 to 1959 -----	--	--	--	--	--	--	--	31	--	21	10	--	--	159
1940 to 1949 -----	21	--	--	16	5	--	39 800	22	15	7	--	--	--	77
1939 or earlier -----	29	--	10	7	12	--	43 200	78	7	48	23	--	--	142
UNITS IN STRUCTURE														
1, detached or attached -----	78	--	10	27	38	3	52 000	81	15	6	55	5	--	236
2 or more -----	---	---	---	---	---	---	---	363	7	278	78	--	--	129
Mobile home or trailer -----	---	---	---	---	---	---	---	7	--	7	--	--	--	185

Appendix A.—Area Classifications

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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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GENERAL

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

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

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

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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 under-report 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:

- 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.
- Find the geographic area with which you are working in table D and obtain the housing unit "percent in sample" figure for this area.
- 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:

- For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.
- 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 :

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

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.

- 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

<i>Group</i>	<i>Persons in Housing Units With a Family With Own Children Under 18</i>
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
 <i>Persons in Housing Units With a Family Without Own Children Under 18</i>	
6-10	2 persons in housing unit through 8 or more persons in housing unit
 <i>Persons in All Other Housing Units</i>	
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit
17	<i>Persons in group quarters</i>

Stage II—Householder/
Nonhouseholder

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

Stage III—Age/Sex/Race/Spanish
Origin

Group	White Race
	<i>Persons of Spanish Origin</i>
	<i>Male</i>
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
	<i>Female</i>
9-16	Same age categories as groups 1 to 8
	<i>Persons Not of Spanish Origin</i>
17-32	Same age and sex categories as groups 1 to 16
	<i>Black Race</i>
33-64	Same age-sex-Spanish origin categories as groups 1 to 32
	<i>Asian, Pacific Islander Race</i>
65-96	Same age-sex-Spanish origin categories as groups 1 to 32
	<i>American Indian, Eskimo, or Aleut Race</i>
97-128	Same age-sex-Spanish origin categories as groups 1 to 32
	<i>Other Race (includes those races not listed above)</i>
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 estimation procedure.

For the first and second stages, any group that did not meet certain criteria concerning the unweighted 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
	<i>Housing Units With a Family Without Own Children Under 18</i>
6-10	2 persons in housing unit through 8 or more persons in housing unit
	<i>All Other Housing Units</i>
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
	<i>White Race (householder)</i>
	<i>Persons of Spanish Origin (householder)</i>
	<i>Value of House</i>
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
	<i>Persons Not of Spanish Origin</i>

9-16 Same value categories as groups 1 to 8

Black Race

17-32 Same value—Spanish origin categories as groups 1 to 16

Asian, Pacific Islander Race

33-48 Same value—Spanish origin categories as groups 1 to 16

American Indian, Eskimo, or Aleut Race

49-64 Same value—Spanish origin categories as groups 1 to 16

Other Race (includes those races not listed above)

65-80 Same value—Spanish origin categories as groups 1 to 16

Renter

White Race

Persons of Spanish Origin Rent Categories

81	\$1 to \$59
82	\$60 to \$99
83	\$100 to \$149
84	\$150 to \$199
85	\$200 to \$249
86	\$250 to \$299
87	\$300 to \$399
88	\$400 to \$499
89	\$500+
90	Other Renter
91	No Cash Rent

Persons not of Spanish origin

92-102 Same rent categories as groups 81 to 91

Black Race

103-124 Same rent—Spanish origin categories as groups 81 to 102

Asian, Pacific Islander Race

125-146 Same rent—Spanish origin categories as groups 81 to 102

American Indian, Eskimo, or Aleut Race

147-168 Same rent—Spanish origin categories as groups 81 to 102

Other Race (includes those races not listed above)

169-190 Same rent—Spanish origin categories as groups 81 to 102

VACANT HOUSING UNITS

Group

- 1 Vacant for Rent
- 2 Vacant for Sale
- 3 Other Vacant

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.

CONTROL OF NONSAMPLING ERROR

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.

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 precavass 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 followup 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.

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

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	0.1	
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.....	1.1	0.9	0.5
Age and sex of householder.....	1.0	1.0	0.5
Occupancy status.....	1.1	1.0	0.5
Vacant price asked and vacant rent asked..	1.1	0.9	0.5
Tenure.....	1.1	1.0	0.5
Units in structure.....	1.1	0.9	0.5
Stories in structure.....	0.9	0.9	0.5
Passenger elevator.....	0.9	0.9	0.4
Persons in unit.....	1.1	0.9	0.5
Year structure built.....	1.0	0.9	0.5
Year householder moved into housing unit.....	1.1	0.9	0.5
Heating equipment and fuel.....	1.2	1.0	0.6
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.....	1.0	0.9	0.5
Vehicles available.....	1.1	0.9	0.5
Gross rent and contract rent.....	1.1	1.0	0.5
Gross rent as a percentage of household income in 1979.....	1.1	0.9	0.5
Mortgage status and selected monthly owner costs.....	1.0	0.9	0.5
Household income.....	1.1	0.9	0.5
Poverty status: Housing.....	1.1	0.9	0.5
Existence of complete plumbing for exclusive use with 1.01 persons per room or more.....	1.1	0.9	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]

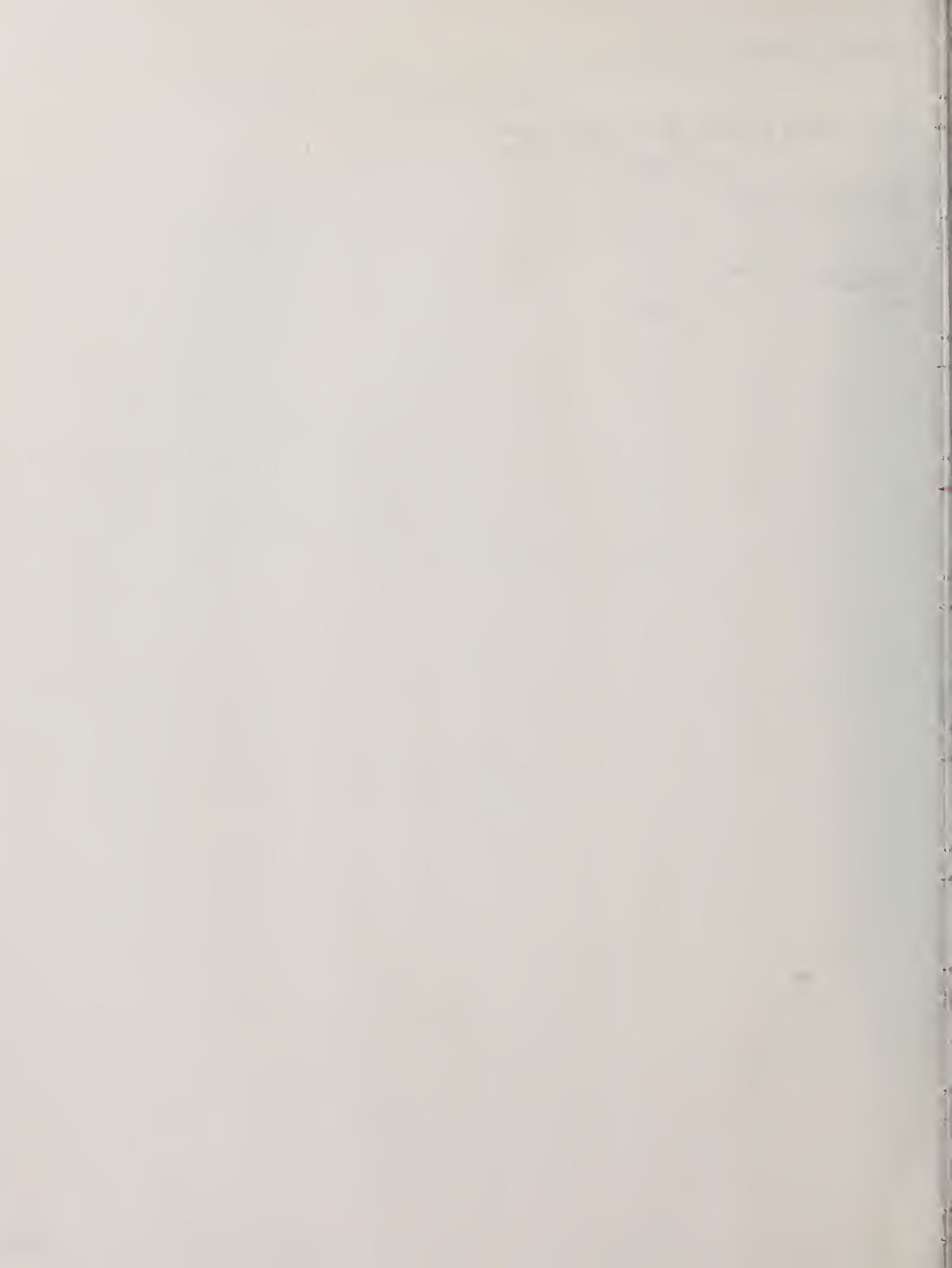
**The SMSA
Places of 50,000 or More and
Central Cities of SMSA's**

Housing units	
100-percent count	Percent in sample
The SMSA	50 712 17.3
PLACES OF 50,000 OR MORE AND CENTRAL CITIES OF SMSA's	
Olympia city	12 565 16.0

The SMSA

PLACES OF 50,000 OR MORE AND CENTRAL
CITIES OF SMSA's

Olympia city



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
 Grocery store
 Oil company
 Ranch

Metal furniture manufacturing
 Wholesale grocery store
 Retail gas station
 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
 Helper
 Mechanic
 Nurse

Production clerk
 Carpenter's helper
 Auto engine mechanic
 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.

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?

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 →

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 Middle initial	Last name	First name Middle initial
<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><i>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.</i></p>	<p>If relative of person in column 1:</p> <p><input type="radio"/> Husband/wife <input type="radio"/> Father/mother</p> <p><input type="radio"/> Son/daughter <input type="radio"/> Other relative</p> <p><input type="radio"/> Brother/sister</p> <p>If not related to person in column 1:</p> <p><input type="checkbox"/> Roomer, boarder <input type="checkbox"/> Other nonrelative</p> <p><input type="checkbox"/> Partner, roommate</p> <p><input type="checkbox"/> Paid employee</p>			
<p>3. Sex Fill one circle.</p>	<p><input type="radio"/> Male <input checked="" type="checkbox"/> Female</p>	<p><input type="radio"/> Male <input checked="" type="checkbox"/> Female</p>			
<p>4. Is this person —</p> <p>Fill one circle.</p>	<p><input type="radio"/> White <input type="radio"/> Asian Indian</p> <p><input type="radio"/> Black or Negro <input type="radio"/> Hawaiian</p> <p><input type="radio"/> Japanese <input type="radio"/> Guamanian</p> <p><input type="radio"/> Chinese <input type="radio"/> Samoan</p> <p><input type="radio"/> Filipino <input type="radio"/> Eskimo</p> <p><input type="radio"/> Korean <input type="radio"/> Aleut</p> <p><input type="radio"/> Vietnamese <input type="radio"/> Other — Specify</p> <p><input type="radio"/> Indian (Amer.)</p> <p>Print tribe →</p>	<p><input type="radio"/> White <input type="radio"/> Asian Indian</p> <p><input type="radio"/> Black or Negro <input type="radio"/> Hawaiian</p> <p><input type="radio"/> Japanese <input type="radio"/> Guamanian</p> <p><input type="radio"/> Chinese <input type="radio"/> Samoan</p> <p><input type="radio"/> Filipino <input type="radio"/> Eskimo</p> <p><input type="radio"/> Korean <input type="radio"/> Aleut</p> <p><input type="radio"/> Vietnamese <input type="radio"/> Other — Specify</p> <p><input type="radio"/> Indian (Amer.)</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>b. Month of birth</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>○ Jan.—Mar.</p> <p>○ Apr.—June</p> <p>○ July—Sept.</p> <p>○ Oct.—Dec.</p>	<p>a. Age at last birthday</p> <p>b. Month of birth</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>○ Jan.—Mar.</p> <p>○ Apr.—June</p> <p>○ July—Sept.</p> <p>○ Oct.—Dec.</p>			
<p>6. Marital status</p> <p>Fill one circle.</p>	<p><input type="radio"/> Now married <input type="radio"/> Separated</p> <p><input type="radio"/> Widowed <input type="radio"/> Never married</p> <p><input type="radio"/> Divorced</p>	<p><input type="radio"/> Now married <input type="radio"/> Separated</p> <p><input type="radio"/> Widowed <input type="radio"/> Never married</p> <p><input type="radio"/> Divorced</p>			
<p>7. Is this person of Spanish/Hispanic origin or descent?</p> <p>Fill one circle.</p>	<p><input type="radio"/> No (not Spanish/Hispanic)</p> <p><input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano</p> <p><input type="radio"/> Yes, Puerto Rican <input checked="" type="checkbox"/></p> <p><input type="radio"/> Yes, Cuban</p> <p><input type="radio"/> Yes, other Spanish/Hispanic</p>	<p><input type="radio"/> No (not Spanish/Hispanic)</p> <p><input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano</p> <p><input type="radio"/> Yes, Puerto Rican <input checked="" type="checkbox"/></p> <p><input type="radio"/> Yes, Cuban</p> <p><input type="radio"/> Yes, other Spanish/Hispanic</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><input type="radio"/> No, has not attended since February 1</p> <p><input type="radio"/> Yes, public school, public college</p> <p><input type="radio"/> Yes, private, church-related</p> <p><input type="radio"/> Yes, private, not church-related</p>	<p><input type="radio"/> No, has not attended since February 1</p> <p><input type="radio"/> Yes, public school, public college</p> <p><input type="radio"/> Yes, private, church-related</p> <p><input type="radio"/> Yes, private, not church-related</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><input type="radio"/> Nursery school <input type="radio"/> Kindergarten</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>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</p> <p>College (academic year) <input checked="" type="checkbox"/></p> <p>1 2 3 4 5 6 7 8 or more</p> <p>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</p> <p><input type="radio"/> Never attended school — Skip question 10</p>	<p>Highest grade attended:</p> <p><input type="radio"/> Nursery school <input type="radio"/> Kindergarten</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>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</p> <p>College (academic year) <input checked="" type="checkbox"/></p> <p>1 2 3 4 5 6 7 8 or more</p> <p>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</p> <p><input type="radio"/> Never attended school — Skip question 10</p>			
<p>10. Did this person finish the highest grade (or year) attended?</p> <p>Fill one circle.</p>	<p><input type="radio"/> Now attending this grade (or year)</p> <p><input type="radio"/> Finished this grade (or year)</p> <p><input type="radio"/> Did not finish this grade (or year)</p>	<p><input type="radio"/> Now attending this grade (or year)</p> <p><input type="radio"/> Finished this grade (or year)</p> <p><input type="radio"/> Did not finish this grade (or year)</p>			
	CENSUS USE ONLY	A. ○ I ○ N ○ ○	CENSUS USE ONLY	A. ○ I ○ N ○ ○	

H13. Which best describes this building?
Include all apartments, flats, etc., even if vacant.

- A mobile home or trailer
- A one-family house detached from any other house
- A one-family house attached to one or more houses
- A building for 2 families
- A building for 3 or 4 families
- A building for 5 to 9 families
- A building for 10 to 19 families
- A building for 20 to 49 families
- A building for 50 or more families
- A boat, tent, van, etc.

H14a. How many stories (floors) are in this building?
Count an attic or basement as a story if it has any finished rooms for living purposes.

- 1 to 3 — *Skip to H15*
- 4 to 6
- 7 to 12
- 13 or more stories

b. Is there a passenger elevator in this building?

- Yes
- No

H15a. Is this building —

- On a city or suburban lot, or on a place of less than 1 acre? — *Skip to H16*
- On a place of 1 to 9 acres?
- On a place of 10 or more acres?

b. Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —

- Less than \$50 (or None)
- \$50 to \$249
- \$250 to \$599
- \$600 to \$999
- \$1,000 to \$2,499
- \$2,500 or more

H16. Do you get water from —

- A public system (*city water department, etc.*) or private company?
- An individual drilled well?
- An individual dug well?
- Some other source (*a spring, creek, river, cistern, etc.*)?

H17. Is this building connected to a public sewer?

- Yes, connected to public sewer
- No, connected to septic tank or cesspool
- No, use other means

H18. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.

- 1979 or 1980
- 1975 to 1978
- 1970 to 1974
- 1960 to 1969
- 1950 to 1959
- 1940 to 1949
- 1939 or earlier

H19. When did the person listed in column 1 move into this house (or apartment)?

- 1979 or 1980
- 1975 to 1978
- 1970 to 1974
- 1960 to 1969
- 1950 to 1959
- 1949 or earlier
- Always lived here

H20. How are your living quarters heated?
Fill one circle for the kind of heat used most.

- Steam or hot water system
- Central warm-air furnace with ducts to the individual rooms (*Do not count electric heat pumps here*)
- Electric heat pump
- Other built-in electric units (*permanently installed in wall, ceiling, or baseboard*)
- Floor, wall, or pipeless furnace
- Room heaters *with* flue or vent, burning gas, oil, or kerosene
- Room heaters *without* flue or vent, burning gas, oil, or kerosene (*not portable*)
- Fireplaces, stoves, or portable room heaters of any kind
- No heating equipment

H21a. Which fuel is used most for house heating?

- Gas: from underground pipes serving the neighborhood
- Gas: bottled, tank, or LP
- Electricity
- Fuel oil, kerosene, etc.
- Coal or coke
- Wood
- Other fuel
- No fuel used

b. Which fuel is used most for water heating?

- Gas: from underground pipes serving the neighborhood
- Gas: bottled, tank, or LP
- Electricity
- Fuel oil, kerosene, etc.
- Coal or coke
- Wood
- Other fuel
- No fuel used

c. Which fuel is used most for cooking?

- Gas: from underground pipes serving the neighborhood
- Gas: bottled, tank, or LP
- Electricity
- Fuel oil, kerosene, etc.
- Coal or coke
- Wood
- Other fuel
- No fuel used

H22. What are the costs of utilities and fuels for your living quarters?
a. Electricity

\$ _____ .00 OR Included in rent or no charge
Average monthly cost Electricity not used

b. Gas

\$ _____ .00 OR Included in rent or no charge
Average monthly cost Gas not used

c. Water

\$ _____ .00 OR Included in rent or no charge
Yearly cost These fuels not used

d. Oil, coal, kerosene, wood, etc.

\$ _____ .00 OR Included in rent or no charge
Yearly cost These fuels not used

H23. Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.

- Yes
- No

H24. How many bedrooms do you have?
Count rooms used mainly for sleeping even if used also for other purposes.

- No bedroom
- 1 bedroom
- 2 bedrooms
- 3 bedrooms
- 4 bedrooms
- 5 or more bedrooms

H25. How many bathrooms do you have?
A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.
A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.

- No bathroom, or only a half bathroom
- 1 complete bathroom
- 1 complete bathroom, plus half bath(s)
- 2 or more complete bathrooms

H26. Do you have a telephone in your living quarters?

- Yes
- No

H27. Do you have air conditioning?

- Yes, a central air-conditioning system
- Yes, 1 individual room unit
- Yes, 2 or more individual room units
- No

H28. How many automobiles are kept at home for use by members of your household?

- None
- 1 automobile
- 2 automobiles
- 3 or more automobiles

H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?

- None
- 1 van or truck
- 2 vans or trucks
- 3 or more vans or trucks

CENSUS USE

H22a.

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

H22b.

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

H22c.

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

H22d.

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

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

	1	2.	4.	2	2.	4.	3	2.	4.
	S.S.	0 0	0 0 0	S.S.	0 0	0 0 0	S.S.	0 0	0 0 0
		1 1	1 1 1		1 1	1 1 1		1 1	1 1 1
		2 2	2 2 2		2 2	2 2 2		2 2	2 2 2
	Yes	3 3	3 3 3	Yes	3 3	3 3 3	Yes	3 3	3 3 3
		4 4	4 4 4		4 4	4 4 4		4 4	4 4 4
	No	5	5 5 5	No	5	5 5 5	No	5	5 5 5
	6	6 6 6		6	6 6 6		6	6 6 6	
	7	7 7 7		7	7 7 7		7	7 7 7	
	8	8 8 8		8	8 8 8		8	8 8 8	
	9	9 9 9		9	9 9 9		9	9 9 9	
	4	2.	4.	5	2.	4.	6	2.	4.
	S.S.	0 0	0 0 0	S.S.	0 0	0 0 0	S.S.	0 0	0 0 0
		1 1	1 1 1		1 1	1 1 1		1 1	1 1 1
		2 2	2 2 2		2 2	2 2 2		2 2	2 2 2
	Yes	3 3	3 3 3	Yes	3 3	3 3 3	Yes	3 3	3 3 3
		4 4	4 4 4		4 4	4 4 4		4 4	4 4 4
	No	5	5 5 5	No	5	5 5 5	No	5	5 5 5
	6	6 6 6		6	6 6 6		6	6 6 6	
	7	7 7 7		7	7 7 7		7	7 7 7	
	8	8 8 8		8	8 8 8		8	8 8 8	
	9	9 9 9		9	9 9 9		9	9 9 9	
	7	2.	4.	GQ.	H30.	H31.	H32c.		
	S.S.	0 0	0 0 0		0 0 0 0	0 0 0	0 0 0 0		
		1 1	1 1 1		1 1 1 1	1 1 1	1 1 1 1		
		2 2	2 2 2		2 2 2 2	2 2 2	2 2 2 2		
	Yes	3 3	3 3 3		3 3 3 3	3 3 3	3 3 3 3		
		4 4	4 4 4		4 4 4 4	4 4 4	4 4 4 4		
	No	5	5 5 5		5 5 5 5	5 5 5	5 5 5 5		
	6	6 6 6		6 6 6 6	6 6 6	6 6 6 6			
	7	7 7 7		7 7 7 7	7 7 7	7 7 7 7			
	8	8 8 8		8 8 8 8	8 8 8	8 8 8 8			
	9	9 9 9		9 9 9 9	9 9 9	9 9 9 9			

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Name of Person 1 on page 2
 Last name First name Middle initial

11. In what State or foreign country was this person born?
 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.
 Name of State or foreign country; or Puerto Rico, Guam, etc.

12. If this person was born in a foreign country —
a. Is this person a naturalized citizen of the United States?
 Yes, a naturalized citizen
 No, not a citizen
 Born abroad of American parents

b. When did this person come to the United States to stay?
 1975 to 1980 1965 to 1969 1950 to 1959
 1970 to 1974 1960 to 1964 Before 1950

13a. Does this person speak a language other than English at home?
 Yes No, only speaks English — Skip to 14

b. What is this language?
 (For example — Chinese, Italian, Spanish, etc.)

c. How well does this person speak English?
 Very well Not well
 Well Not at all

14. What is this person's ancestry? If uncertain about how to report ancestry, see instruction guide.
 (For example: Afro-Amer., English, French, German, Honduran, Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican, Nigerian, Polish, Ukrainian, Venezuelan, etc.)

15a. Did this person live in this house five years ago (April 1, 1975)?
 If in college or Armed Forces in April 1975, report place of residence there.
 Born April 1975 or later — Turn to next page for next person
 Yes, this house — Skip to 16
 No, different house

b. Where did this person live five years ago (April 1, 1975)?
 (1) State, foreign country, Puerto Rico, Guam, etc.:
 (2) County:
 (3) City, town, village, etc.:
 (4) Inside the incorporated (legal) limits of that city, town, village, etc?
 Yes No, in unincorporated area

16. When was this person born?
 Born before April 1965 — Please go on with questions 17-33
 Born April 1965 or later — Turn to next page for next person

17. In April 1975 (five years ago) was this person —
a. On active duty in the Armed Forces?
 Yes No

b. Attending college?
 Yes No

c. Working at a job or business?
 Yes, full time No
 Yes, part time

18a. Is this person a veteran of active-duty military service in the Armed Forces of the United States?
 If service was in National Guard or Reserves only, see instruction guide.
 Yes No — Skip to 19

b. Was active-duty military service during —
 Fill a circle for each period in which this person served.
 May 1975 or later
 Vietnam era (August 1964—April 1975)
 February 1955—July 1964
 Korean conflict (June 1950—January 1955)
 World War II (September 1940—July 1947)
 World War I (April 1917—November 1918)
 Any other time

19. Does this person have a physical, mental, or other health condition which has lasted for 6 or more months and which . . .

a. Limits the kind or amount of work this person can do at a job?	Yes	No
b. Prevents this person from working at a job?	<input type="radio"/>	<input type="radio"/>
c. Limits or prevents this person from using public transportation?	<input type="radio"/>	<input type="radio"/>

20. If this person is a female —

How many babies has she ever had, not counting stillbirths?	None	1	2	3	4	5	6
Do not count her stepchildren or children she has adopted.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	7	8	9	10	11	12	or more
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. If this person has ever been married —
a. Has this person been married more than once?
 Once More than once

b. Month and year of marriage? Month and year of first marriage?
 (Month) (Year) (Month) (Year)

c. If married more than once — Did the first marriage end because of the death of the husband (or wife)?
 Yes No

22a. Did this person work at any time last week?
 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.)
 No — Fill this circle if this person did not work, or did only own housework, school work, or volunteer work.
 Skip to 25

b. How many hours did this person work last week (at all jobs)?
 Subtract any time off; add overtime or extra hours worked.
 Hours

23. At what location did this person work last week?
 If this person worked at more than one location, print where he or she worked most last week.
 If one location cannot be specified, see instruction guide.

a. Address (Number and street)
 If street address is not known, enter the building name, shopping center, or other physical location description.

b. Name of city, town, village, borough, etc.

c. Is the place of work inside the incorporated (legal) limits of that city, town, village, borough, etc.?
 Yes No, in unincorporated area

d. County

e. State **f. ZIP Code**

24a. Last week, how long did it usually take this person to get from home to work (one way)?
 Minutes

b. How did this person usually get to work last week?
 If this person used more than one method, give the one usually used for most of the distance.
 Car Taxicab
 Truck Motorcycle
 Van Bicycle
 Bus or streetcar Walked only
 Railroad Worked at home
 Subway or elevated Other — Specify

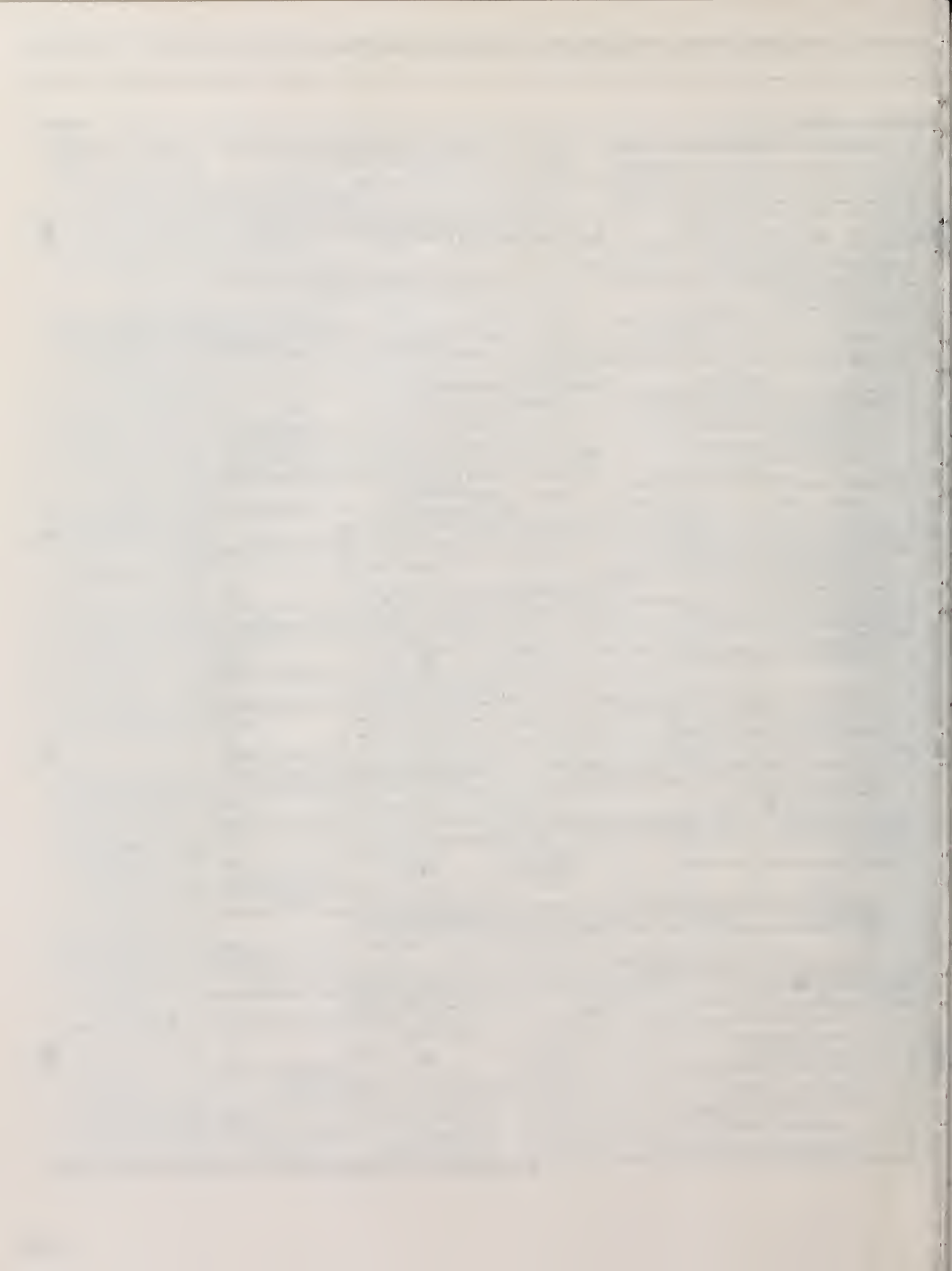
FOR CENSUS USE ONLY

Per. No.	11.	13b.	14.	15b.	23.	24a.
1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0
2	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1
3	2 2 2	2 2 2	2 2 2	2 2 2	2 2 2	2 2
4	3 3 3	3 3 3	3 3 3	3 3 3	3 3 3	3 3
5	4 4 4	4 4 4	4 4 4	4 4 4	4 4 4	4 4
6	5 5 5	5 5 5	5 5 5	5 5 5	5 5 5	5 5
7	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6
8	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	7 7
9	8 8 8	8 8 8	8 8 8	8 8 8	8 8 8	8 8
0	9 9 9	9 9 9	9 9 9	9 9 9	9 9 9	9 9

PERSON 1 ON PAGE 2

<p>c. When going to work last week, did this person usually —</p> <p><input type="radio"/> Drive alone — Skip to 28 <input type="radio"/> Drive others only</p> <p><input type="radio"/> Share driving <input type="radio"/> Ride as passenger only</p> <hr/> <p>d. How many people, including this person, usually rode to work in the car, truck, or van last week?</p> <p><input type="radio"/> 2 <input type="radio"/> 4 <input type="radio"/> 6</p> <p><input type="radio"/> 3 <input type="radio"/> 5 <input type="radio"/> 7 or more</p> <p><i>After answering 24d, skip to 28.</i></p> <p>25. Was this person temporarily absent or on layoff from a job or business last week?</p> <p><input type="radio"/> Yes, on layoff</p> <p><input type="radio"/> Yes, on vacation, temporary illness, labor dispute, etc.</p> <p><input type="radio"/> No</p>	<p>CENSUS USE</p> <p>21b.</p> <p>I I I</p> <p>O 2 2</p> <p>II 3 3</p> <p>O 4 4</p> <p>III 5 5</p> <p>O 6 6</p> <p>? 7 7</p> <p>IV 8 8</p> <p>O 9 9</p>	<p>31a. Last year (1979), did this person work, even for a few days, at a paid job or in a business or farm?</p> <p><input type="radio"/> Yes <input checked="" type="checkbox"/> <input type="radio"/> No — Skip to 31d</p> <hr/> <p>b. How many weeks did this person work in 1979?</p> <p><i>Count paid vacation, paid sick leave, and military service.</i></p> <p>----- Weeks</p> <hr/> <p>c. During the weeks worked in 1979, how many hours did this person usually work each week?</p> <p>----- Hours</p>	<p>CENSUS USE ONLY</p> <p>31b. 31c. 31d.</p> <p>O O I O O I O O I</p> <p>I I I I I I I I I</p> <p>2 2 2 2 2 2 2 2 2</p> <p>3 3 3 3 3 3 3 3 3</p> <p>4 4 4 4 4 4 4 4 4</p> <p>5 5 5 5 5 5 5 5 5</p> <p>6 6 6 6 6 6 6 6 6</p> <p>7 7 7 7 7 7 7 7 7</p> <p>8 8 8 8 8 8 8 8 8</p> <p>9 9 9 9 9 9 9 9 9</p>
<p>26a. Has this person been looking for work during the last 4 weeks?</p> <p><input type="radio"/> Yes <input type="radio"/> No — Skip to 27</p> <hr/> <p>b. Could this person have taken a job last week?</p> <p><input type="radio"/> No, already has a job</p> <p><input type="radio"/> No, temporarily ill</p> <p><input type="radio"/> No, other reasons (in school, etc.)</p> <p><input checked="" type="radio"/> Yes, could have taken a job</p>	<p>22b.</p> <p>O O</p> <p>I I I</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>d. Of the weeks not worked in 1979 (if any), how many weeks was this person looking for work or on layoff from a job?</p> <p>----- Weeks</p> <hr/> <p>32. Income in 1979 —</p> <p><i>Fill circles and print dollar amounts.</i></p> <p><i>If net income was a loss, write "Loss" above the dollar amount.</i></p> <p><i>If exact amount is not known, give best estimate. For income received jointly by household members, see instruction guide.</i></p> <p>During 1979 did this person receive any income from the following sources?</p> <p>If "Yes" to any of the sources below — How much did this person receive for the entire year?</p>	<p>32a. 32b.</p> <p>O O O O O O O O</p> <p>I I I I I I I I</p> <p>2 2 2 2 2 2 2 2</p> <p>3 3 3 3 3 3 3 3</p> <p>4 4 4 4 4 4 4 4</p> <p>5 5 5 5 5 5 5 5</p> <p>6 6 6 6 6 6 6 6</p> <p>7 7 7 7 7 7 7 7</p> <p>8 8 8 8 8 8 8 8</p> <p>9 9 9 9 9 9 9 9</p> <p>A O O A O</p>
<p>27. When did this person last work, even for a few days?</p> <p><input type="radio"/> 1980 <input type="radio"/> 1978 <input type="radio"/> 1970 to 1974</p> <p><input type="radio"/> 1979 <input type="radio"/> 1975 to 1977 <input type="radio"/> 1969 or earlier</p> <p><input type="radio"/> Never worked } Skip to 31d</p> <hr/> <p>28—30. Current or most recent job activity</p> <p><i>Describe clearly this person's chief job activity or business last week. If this person had more than one job, describe the one at which this person worked the most hours.</i></p> <p><i>If this person had no job or business last week, give information for last job or business since 1975.</i></p>	<p>28.</p> <p>A B C</p> <p>O O O</p> <p>D E F</p> <p>O O O</p> <p>G H J</p> <p>O O O</p> <p>K L M</p> <p>O O O</p>	<p>a. Wages, salary, commissions, bonuses, or tips from all jobs . . . Report amount before deductions for taxes, bonds, dues, or other items.</p> <p><input type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p> <hr/> <p>b. Own nonfarm business, partnership, or professional practice . . . Report net income after business expenses.</p> <p><input checked="" type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p>	<p>32c. 32d.</p> <p>O O O O O O O O</p> <p>I I I I I I I I</p> <p>2 2 2 2 2 2 2 2</p> <p>3 3 3 3 3 3 3 3</p> <p>4 4 4 4 4 4 4 4</p> <p>5 5 5 5 5 5 5 5</p> <p>6 6 6 6 6 6 6 6</p> <p>7 7 7 7 7 7 7 7</p> <p>8 8 8 8 8 8 8 8</p> <p>9 9 9 9 9 9 9 9</p> <p>O A O O A O</p>
<p>28. Industry</p> <p>a. For whom did this person work? If now on active duty in the Armed Forces, print "AF" and skip to question 31.</p> <p>(Name of company, business, organization, or other employer)</p> <hr/> <p>b. What kind of business or industry was this?</p> <p><i>Describe the activity at location where employed.</i></p> <p>(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)</p> <p>c. Is this mainly — (Fill one circle)</p> <p>Manufacturing <input checked="" type="radio"/> Retail trade <input type="radio"/></p> <p>Wholesale trade <input type="radio"/> Other — (agriculture, construction, service, government, etc.) <input type="radio"/></p>	<p>AF O</p> <p>NW O</p>	<p>c. Own farm . . . Report net income after operating expenses. Include earnings as a tenant farmer or sharecropper.</p> <p><input type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p> <hr/> <p>d. Interest, dividends, royalties, or net rental income . . . Report even small amounts credited to an account.</p> <p><input type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p>	<p>32e. 32f.</p> <p>O O O O O O O O</p> <p>I I I I I I I I</p> <p>2 2 2 2 2 2 2 2</p> <p>3 3 3 3 3 3 3 3</p> <p>4 4 4 4 4 4 4 4</p> <p>5 5 5 5 5 5 5 5</p> <p>6 6 6 6 6 6 6 6</p> <p>7 7 7 7 7 7 7 7</p> <p>8 8 8 8 8 8 8 8</p> <p>9 9 9 9 9 9 9 9</p>
<p>29. Occupation</p> <p>a. What kind of work was this person doing?</p> <p>(For example: Registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, grinder operator)</p> <hr/> <p>b. What were this person's most important activities or duties?</p> <p>(For example: Patient care, directing hiring policies, supervising order clerks, assembling engines, operating grinding mill)</p>	<p>29.</p> <p>N P Q</p> <p>O O O</p> <p>R S T</p> <p>O O O</p> <p>U V W</p> <p>O O O</p> <p>X Y Z</p> <p>O O O</p>	<p>e. Social Security or Railroad Retirement . . .</p> <p><input checked="" type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p> <hr/> <p>f. Supplemental Security (SSI), Aid to Families with Dependent Children (AFDC), or other public assistance or public welfare payments . . .</p> <p><input type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p>	<p>32g. 33.</p> <p>O O O O O O O O</p> <p>I I I I I I I I</p> <p>2 2 2 2 2 2 2 2</p> <p>3 3 3 3 3 3 3 3</p> <p>4 4 4 4 4 4 4 4</p> <p>5 5 5 5 5 5 5 5</p> <p>6 6 6 6 6 6 6 6</p> <p>7 7 7 7 7 7 7 7</p> <p>8 8 8 8 8 8 8 8</p> <p>9 9 9 9 9 9 9 9</p> <p>O A O</p>
<p>30. Was this person — (Fill one circle)</p> <p>Employee of private company, business, or individual, for wages, salary, or commissions . . . <input checked="" type="radio"/></p> <p>Federal government employee <input type="radio"/></p> <p>State government employee <input type="radio"/></p> <p>Local government employee (city, county, etc.) <input type="radio"/></p> <p>Self-employed in own business, professional practice, or farm —</p> <p>Own business not incorporated <input type="radio"/></p> <p>Own business incorporated <input type="radio"/></p> <p>Working without pay in family business or farm <input type="radio"/></p>	<p>O O</p> <p>I I I</p> <p>2 2</p> <p>3 3 3</p> <p>4 4 4</p> <p>5 5 5</p> <p>6 6 6</p> <p>7 7 7</p> <p>8 8 8</p> <p>9 9 9</p>	<p>g. Unemployment compensation, veterans' payments, pensions, alimony or child support, or any other sources of income received regularly . . .</p> <p><i>Exclude lump-sum payments such as money from an inheritance or the sale of a home.</i></p> <p><input checked="" type="radio"/> Yes → \$.00</p> <p><input type="radio"/> No (Annual amount — Dollars)</p> <hr/> <p>33. What was this person's total income in 1979?</p> <p><i>Add entries in questions 32a through g; subtract any losses.</i></p> <p><i>If total amount was a loss, write "Loss" above amount.</i></p> <p>\$.00</p> <p>(Annual amount — Dollars)</p> <p>OR <input type="radio"/> None</p>	<p>I I I I I I I I I</p> <p>2 2 2 2 2 2 2 2 2</p> <p>3 3 3 3 3 3 3 3 3</p> <p>4 4 4 4 4 4 4 4 4</p> <p>5 5 5 5 5 5 5 5 5</p> <p>6 6 6 6 6 6 6 6 6</p> <p>7 7 7 7 7 7 7 7 7</p> <p>8 8 8 8 8 8 8 8 8</p> <p>9 9 9 9 9 9 9 9 9</p>

➔ Please turn to the next page and answer the questions for Person 2 on page 2



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, SCSA'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, SCSA'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, SCSA'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 B 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.

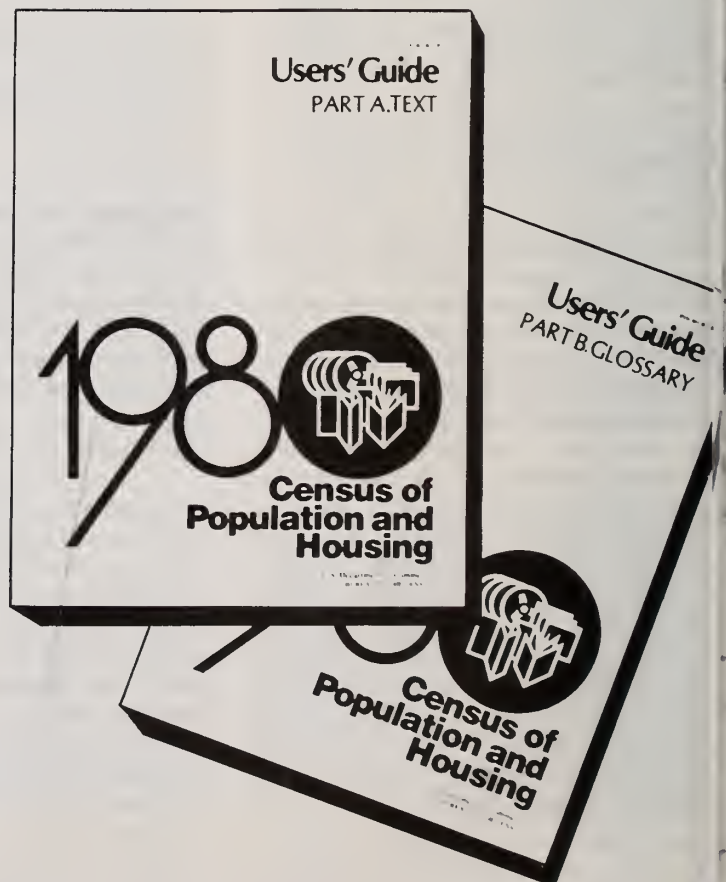
1980 Census of Population and Housing

Users' Guide

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.



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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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