

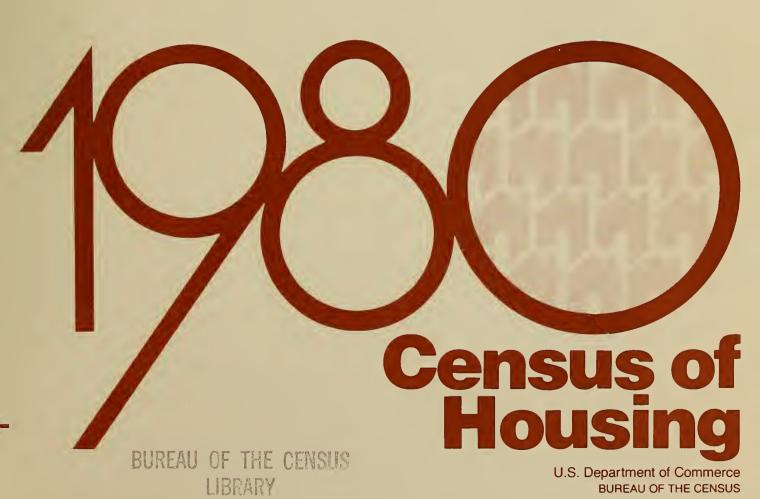
HC80-2-90

Census HD 7293 .A56x 1983 v.24 pt.90

# Metropolitan Housing Characteristics

BILLINGS, MONT.

STANDARD METROPOLITAN STATISTICAL AREA







**VOLUME 2** 

### **Data Index**

One-Person Households . .

Price Asked and Rent Asked . . . . . .

# Metropolitan Housing Characteristics

**BILLINGS, MONT.** 

HC80-2-90

Issued September 1983



U.S. Department of Commerce

Malcolm Baldrige, Secretary Robert G. Dederick, Under Secretary for Economic Affairs

**BUREAU OF THE CENSUS** 

C. L. Kincannon, Acting Director

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BUREAU OF THE CENSUS

C. L. Kincannon, Acting Director

HOUSING DIVISION Arthur F. Young, Chief

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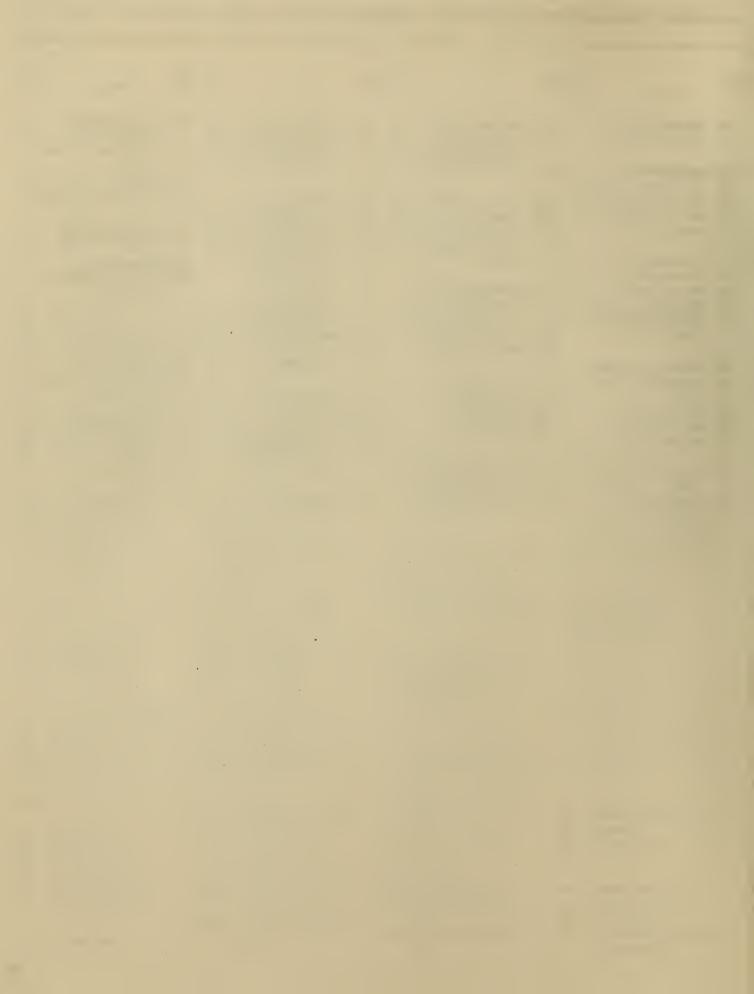
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### **GENERAL**

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, Eckimo, 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 openended 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

## **BILLINGS, MONT.**

STANDARD METROPOLITAN STATISTICAL AREA HC80-2-90

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Arrangement of Tables	Index of Tables—shows the pages on which the 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	for each geographic area appear and the pages on which data for the various race/Spanish origin house-holders appear				
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	List of Tables—shows the table numbers and titles for each of the 68 tables				
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:	Table Finding Guide—shows the tables in which the various subject cross-classifications presented in the report appear				
	Map—Standard Metropolitan Statistical Areas, Counties, and Selected Places XIV				

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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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		Pages	Pages	Pages	Pages	Pages	Pages	
SMSA total Billings	A B	1 to 12 13 to 24	=	Ξ	_	_	1-1	

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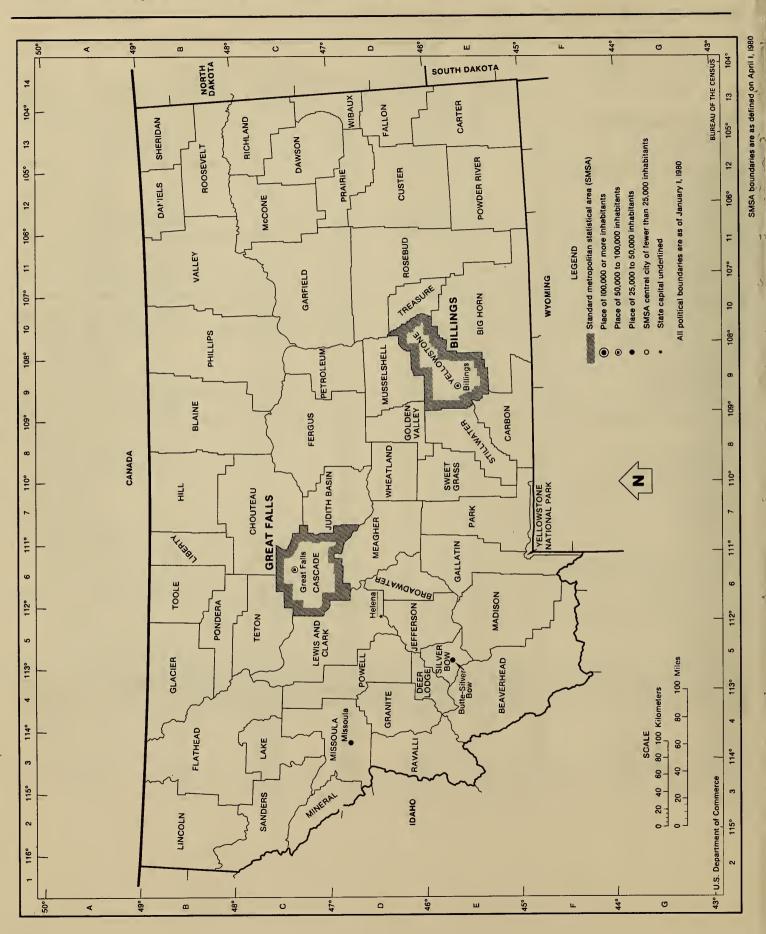
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## Table Finding Guide — Cross-Classification of Subjects by Table Number

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	1	_ 2	- 3	- 4	5	_ 6
UTILIZATION CHARACTERISTICS Rooms	1 - 1 1	2 - 2 2	- - - 3	- - - 4	5 5 - 5	6 6 - 6
STRUCTURAL CHARACTERISTICS Units in structure	1 -	2 2 2	_ _ _	=	_ 5 _	- 6 -
PLUMBING CHARACTERISTICS Plumbing facilities	1	2	3	4	-	_
EQUIPMENT AND FUELS  Heating equipment	1 1 - -	2 2 - - -	3 3 3 3	4 4 4 4	5 5 - 5	6 6 - 6
FINANCIAL CHARACTERISTICS  Value		= -	- - 3	=	5 - -	6 -
Selected monthly owner costs as percentage of household income		- - -	= =	- 4 4 -	5 - - -	6 - - -
household income Mortgage status and selected monthly owner costs as percentage of household income	1	2 -	3	4	-	-
HOUSEHOLD CHARACTERISTICS  Household type by age of householder	1 1 1	2 - 2	3 _ _	4 -	5 - -	6 - -
The table numbers listed above show data the race or Spanish origin group, or if the gr						
White	14 25	15 26	16 27	17 28	18 29	19 30
Aleut Asian and Pacific Islander Spanish origin	36 47 58	37 48 59	38 49 60	39 50 61	40 51 62	41 52 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	_ 7	8	-	-	-	-	-
UTILIZATION CHARACTERISTICS Rooms	7 7 - 7	8 - 8 8	9 - 9	_ 10 _ _	1111	12 - 12 12	- - 13 -
STRUCTURAL CHARACTERISTICS Units in structure	7 - -	_ _ _	9 - -	- - -	11	12 12 -	13 13 —
PLUMBING CHARACTERISTICS Plumbing facilities	7	8	9	10	11	12	13
EQUIPMENT AND FUELS  Heating equipment  Air conditioning.  Vehicles available  House heating fuel  Water heating fuel.	7 7 - 7	8 8 8 8	-	1111	- - - -	12 - - - -	-
FINANCIAL CHARACTERISTICS  Value	_	<u>-</u>	9	=	=	_ 12	_ _ _
monthly owner costs	_ _	-	9	-	11	-	-
Gross rent	_	Ξ	9	=	11 -	12	
household income	_	_	9	10		-	_
HOUSEHOLD CHARACTERISTICS Household type by age of							
householder	7 7 7	8 8 8	9 9		- 11 11	- - -	- - -
The table numbers listed above show data the race or Spanish origin group, or if the gr							
White	20 31	21 32	22 33	23 34	24 35	. =	
Aleut	42 53 64	43 54 65	44 55 66	45 56 67	46 57 68	= -	=

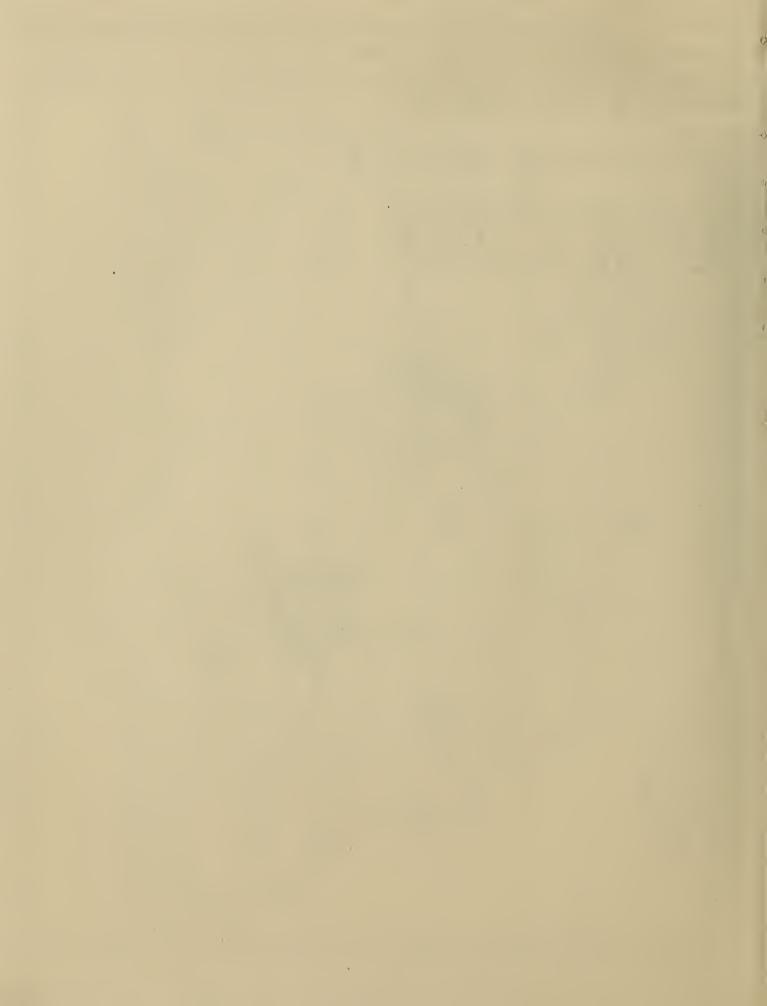


#### CORRECTION NOTE

Corrections to the 1980 census counts of the total population and total housing units have been made to some of the areas shown in this report. These corrections can be found in the correction note in PC80-1-A1, Number of Inhabitants, United States Summary; the PC80-1-B, General Population Characteristics; HC80-1-A, General Housing Characteristics Individual State reports, and the United States Summary.

#### NOTE TO USERS:

- In tables where the median age for total persons in owner-occupied and renter-occupied housing units is shown as -05+, the correct entry should be three dots (...).
- 2. 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 symbals, see Introduction. For definitions of terms, see appendixes A and 8]

	[Data ore estima	ics based on	o somple, se	e infroduction	. TO Incular	g or symbols	, see illifodoc	non. Tor dea	manons of le	ms, see upper	dixes A did o		
The SMSA	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 ta \$49,999	\$50,000 ta \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Medion (dollors)	Mean (dollors)
Specified owner-occupied housing units	20 726	114	489	1 097	1 986	3 997	4 874	5 181	1 719	1 026	243	54 700	59 400
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER	16 233	37	294	672	1 204	2 932	3 981	4 441	1 558	911	203	57 100	62 000
15 to 24 years 25 to 34 years	523 4 051	_ 4	27	31 67	55 188	168 906	136 1 244	100	336	_	-	48 900 56 400 64 700	48 400 60 100
45 to 44 years65 years and over	3 674 5 853 2 132	12 6 15	28 31 52 156	55 316 203	106 448 407	462 992 404	854 1 356 391	1 201 1 581 421	499 652 65 41	113 386 366 46	27 68 84 24 7	57 900   47 700	63 200 50 200
HOUSEHOLDER Martied-couple families  15 to 24 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Male householder, no wife present 15 to 24 years 25 to 34 years	1 388 107 503	20	94	165 - 49	198 20	254 31 116	<b>267</b> 45	299	5	46 <b>43</b>	7	48 800 50 500 52 000	62 000 48 400 60 100 71 200 63 200 50 200 50 400 51 400 53 500 59 700 47 800 49 800
25 to 34 years	263 288	8 7	24 10 28	16 46	35 44 37	19 56	116 24 57	127 111 44	17 7 6	19 24 -	- - 7	61 200 43 700	59 700 47 800
65 years and over	227 3 105 42	5 <b>57</b>	32 101	54 <b>260</b>	62 <b>584</b>	32 811 29	25 <b>626</b>	441	120	72	33	33 600 47 100	35 900 49 800 44 600
15 to 24 years	408 466	7	=	21 15	105 55	84 140	82 123	93 80	6 33	10 5	=	47 600 50 400	44 600 50 400 52 400 52 200
45 to 64 years 65 years ond over Median age	1 047 1 142 <b>45.9</b>	35 <b>58.6</b>	48 53 <b>64.7</b>	94 123 <b>60.4</b>	136 288 <b>57.7</b>	283 275 <b>45.7</b>	268 153 <b>42.9</b>	131 131 <b>42.9</b>	40 41 <b>44.0</b>	26 31 <b>44.1</b>	21 12 <b>49.0</b>	49 000 42 600	52 200 46 700
VEAR HOUSEHOLDER MOVED INTO LINIT													•••
1979 to Morch 1980	3 268 6 587 3 322	20 24 12 52	20 80 56	110 193 184	204 403 293	628 1 157 574	772 1 613 836	980 1 868 815	266 776 342	216 420 153 162	66 57 45 50 25	58 500 58 900 55 400	64 600 63 700 60 500
1975 to 1978 1970 to 1974 1960 to 1974 1969 to rearlier	3 695 3 854	12 52	65 268	184 211 399	353 733	574 789 849	932 721	879 639	242 93	162 75	50 25	55 400 53 400 46 000	58 500 47 700
ROOMS 1 ta 3 rooms	430	20	47	120	80	44	74	. 25	12	8	_	32 700	38 200
4 rooms5 rooms	2 346 4 812	46 48	152 180	435 303 138	595 650	577 1 438 872	338 1 194	139 819	26 145	38 35 66 139	-	32 700 39 000 48 600 53 600 58 000 70 400	40 200 48 800 55 700 62 000 77 400
6 rooms 7 rooms 8 or more rooms	3 630 3 336 6 172	=	58 23 29	73 28	364 174 123	573 493	954 1 003 1 311	967 1 082 2 149	191 253 1 092	740	20 16 207	58 000 70 400	62 000 77 400
Median	6.3	4.3	4.8	4.5	5.0	5.5	6.4	7.1	8.1	8.5+	8.5+		•••
None1	28 567	35 59	5 58 261	152	138 996	- 76	17 40	6 18	25 92	- 25 51	-	52 600 33 200	49 600 38 300
2 3	4 858 9 148 4 626	59 20	122 ]	626 264 34 21	996 660 158	1 402 2 006 387	850 2 517 1 206	510 2 544 1 617	92 644 670	51 320 412	11 51 106	43 600 54 900 64 600 75 400	44 100 58 900 72 300
5 or mare	1 499	-	36 7	21	34	126	244	486	288	218	75	75 400	80 900
YEAR STRUCTURE BUILT 1975 to March 1980	4 498 2 042	_ 15	37 19	67 15	103	487 222	894 486	1 538 744	762 275	491 151	119	67 100 63 900	74 200 68 900
1975 to March 1980 1970 to 1974 1960 to 1969 1950 to 1959	3 700 5 356	12 21	21 l	68 272 288 387	83 175 536	583 1 384	1 085 1 582	1 129 1 179	344 219	491 151 227 79	32 56 24	58 900   52 000	65 000 53 900
1940 to 1949 1939 or earlier	2 252 2 878	62	60 101 251	288 387	477 612	664 657	354 473	262 329	63 56	39 39	12	44 400 41 600	45 900 43 500
HOUSEHOLD INCOME IN 1979 Less than \$5,000	1 135	44	92	155	192	161	209	176	47	48 35	1]	45 800	48 300
\$10,000 to \$12,499 \$12,500 to \$14,999	2 151 1 078 1 235	41 - 7	152 46 54	269 133 116	476 142 198	553 326 299	259 207 271	305 165 197	58 51 70 147	35 8 19	3 - 4	42 600 46 500 48 500	44 400 47 800 49 700 53 400 58 000
\$15,000 to \$19,999 \$20,000 to \$24,999	3 279 3 496 4 729	7 7	76 39	194 131	273 292	877 664 859 208	978 1 022	654 1 035	179	73	9	51 900 56 100	53 400 58 000
Less man \$5,000 \$5,000 to \$9,999 \$10,000 to \$12,499 \$12,500 to \$14,999 \$20,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or more	2 433 1 190	8	23 7 -	46 37 16	236 115 62	208 50 \$18 872	1 276 536 116	1 514 809 326	488 454 225	252 201 272 \$33 276 \$41 243	35 58 123 \$50 401	42 600 46 500 48 500 51 900 56 100 59 300 66 800 82 200	64 000 72 100 94 300
Mean	\$22 036 \$24 907	\$6 204 \$9 657	\$10 027 \$11 976	\$12 340 \$14 291	\$14 811 \$18 598	\$18 872 \$20 289	\$22 189 \$23 749	\$25 292 \$27 385	225 \$30 718 \$34 888	\$33 276 \$41 243	\$50 401 \$64 351	:::	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD													
INCOME IN 1979 With a mortgage Less than 15 percent	15 105 4 352	36 8	112	367	890	2 824 708	4 034 1 217	<b>4 290</b> 1 250	1 <b>530</b> 428	832	190	58 000 57 600	63 500
15 to 19 percent	2 701 2 490	12	44 20 20	<b>367</b> 99 69 47	329 144 88	559 487	787 581	662 784	270 269	211 152 163	58 38 39	56 600 60 200 57 800	63 500 63 100 63 200 65 600 62 600 61 100
25 to 29 percent 30 to 34 percent 35 percent or more	1 872 1 179 2 409	4 - 12	16 8	31 37 78	128 42 153	397 245 418	478 1 361 583	531 309 722	209 96 252	163 77 73 141	13 - 42	57 800 56 600 59 200	62 600 61 100 63 900
Not computed	102 20.9	24.2	18.0	21.3	6 18.9	10 21.4	583 27 20.0	32 21.4	6 21.2	15 21.4	19.9	60 400	63 900 67 400
Not mortgaged Less than 10 percent 10 to 14 percent	5 621 2 905 1 221	78 22 21	377 171 100	730 349 129	1 096 461 265	1 173 593 300 137	840 511 157	891 551 155	1 <b>89</b> 99 37	194 105 52 15	<b>53</b> 43 5 5	44 600 47 700 43 900	48 600 51 500 47 000
15 to 19 percent 20 to 24 percent 25 to 29 percent	642 291 184	8 5 15	56 - 8	99 55 28	461 265 185 100 51	137 41 23	54 54 16	155 78 23 27	5 13 12	15 - 4	5 -	38 500	43 200 42 300 43 200
30 to 34 percent	109 253	7	5 29	40 30	12 14	23 24 55	48	22 35	6	18	-	38 300 38 200 47 900	43 200 51 900
Not computed	10-	14.0	10.7	10.6	11.6	10_	10-	10—	10-	10—	10—	27 500	28 100
SELECTED CHARACTERISTICS Complete plumbing for exclusive use	20 710	107	489	1 097	1 986	3 988	4 874	5 181	1 719	1 026	243	54 800	59 500
1.01 or more persons per room  Ladding complete plumbing for exclusive use  1.01 or more persons per room	258 16 4	7	=	32 - -	33 - -	61 9 4	75 - -	39 - -	18 - -	=	=	50 400 41 300 42 500	50 700 28 800 42 500
Heating equipment Central heating system Air conditioning	20 719 19 595 8 023	114 78 33	489 356	1 <b>09</b> 7 892	1 986 1 789	3 997 3 800	4 867 4 712	5 181 5 057	1 719 1 656	1 026 1 017	243 238	<b>54 700</b> 55 400	59 400 60 400
Central system Income in 1979 below poverty level	3 488 <b>907</b>	5 31	489 356 140 42 57	243 14 111	650 53 88	1 367 290 173	1 940 591 198	1 911 1 024 160	888 706 <b>39</b>	643 578 44 4.3	208 185 6	57 700 74 900 49 700	66 000 82 900 50 900
Percent below poverty level	4.4	27.2	11.7	10.1	4.4	4.3	4.1	3.1	2.3	4.3	2.5		

## Table A-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 B1

## SANSA   Segretar curve company through the		[Dota are estimat	res based on a	sample, see li	ntroduction. Fo	or meaning of	symbols, see to	ntroduction. I	or definitions of	terms, see of	opendixes A on	g B]	
12   50   18   18   18   18   18   18   18   1	The SMSA	Total	Less than \$100										
### Arrest banks   4 000   67   1130   1430   1430   1431   1777   1831   1340	Specified renter-occupied housing units	12 504	883	1 280	2 230	2 570	1 955	1 632	640	576	241	497	229
S   S   S   S   S   S   S   S   S   S		4 015	67	185	418	741	777	805	356	341	128	197	282
1   1   1   1   1   1   1   1   1   1	15 to 24 years	919	11	36	97	235	265 295	188	26 169	29	6	26 17	265
1   1   1   1   1   1   1   1   1   1	35 to 44 years	589	18	ij		74	71	161	34	80	41	36	312
Section   1	65 years and over	402	17	48	70	73	53	37	32		15	44	224
Section   1	Male householder, no wife present	3 522 1 158	350 24	452 138	7 <b>68</b> 312	7 <b>43</b> 293	503 165	114	38	123 21	<b>58</b> 16		208 212
Section   1	25 to 34 years	1 153	82 21	90 48	267 49	233 75	224 59	108	47	74 20	21 8	7	228
Section   1	45 to 64 years	622	108	143	102	100	44	43	28	8		33	176
Section   1	Female householder, no husband present	4 967	466	643	1 044	1 086	675	530			55	185	209
Section   1	15 to 24 years 25 to 34 years	1 400 1 175	29 33	166	254	436 296	222	178	52 44	38	17	33 10	220   224
Section   1	35 to 44 yeors		23 79	58 110	61 204		63 95	60 72	* 21 44	40 6		14 36	235   198
YEAR PAUSSCRIPT MOVED NOT UNIT   177   50641 1900	65 years and over	1 160	302	183	233	130	111	78			6	92 53.7	
1597 is blue; 1960		31.0	04.0	37.4	27.0	27.5	20.7	30.1	33.0	34.2	30.4	33.7	
1999 for other   2099   15	1070 to March 1090	7 527	348	649	1 283	1 700	1 249	1 134	406	423	209	126	241
1999 for other   2099   15	1975 to 1978	3 228 928	324 149	143	183			103	57			49	186
Property	1960 to 1969	522 299	47	80 45	82 62		63 11	43	10	_	- 6		205   182
1   1   2   1   1   2   1   2   1   2   1   2   1   2   1   2   1   2   1   2   1   2   2		•"				ı.		·					
1	1 roam	541		127	92		16	9	-	9	36	13	129
1	3 rooms	2 696	316	505	894	671	155	58	7			72	181
1	5 rooms	4 098 2 227	61	114	625 211	453	1 020 467	460	141	146	10		248   273
Median	6 rooms	1 024		31 17	63 50	112 73	179 82	230	161 137	186	28 114	28 128	323 362
AND POWERTY STATUS IN 1979    12 004			2.6		3.3	3.9	4.3	4.5	5.4	5.9	6.3		
All license   large	PLUMBING FACILITIES BY PERSONS PER ROOM												
0.31 ol 1.00. 3 995 147 1330 560 722 650 640 239 288 102 57 224 1.51 or normal sections use	All income levels in 1979	12 504	883	1 280	2 230	2 570	1 955	1 632	640	576	241		229
0.31 ol 1.00. 3 995 147 1330 560 722 650 640 239 288 102 57 224 1.51 or normal sections use	Complete plumbing for exclusive use	12 055 7 999	683 524	1 135 782	2 184 1 550	2 545 1 771	1 955 1 260	1 632	632 361	576 272	241 132	472 389	234   224
1.5 or more	0.51 to 1.00	3 696	147	330	560	722	650	604	239	285	102	57	254
1.01 to 1.50	1.51 or mare	89	12	11	11	22	73	23	-	'-	7	3	216
1.01 to 1.50	0.50 or less	213	77	85		10	_	_	8	_	_	10	102
1.5   1.5	0.51 to 1.00	203	123	_	4	15	_	_		_	_	15	86
September   Sept	1.51 or more						-			-	-	-	
September   Sept	Complete plumbing for exclusive use		421 363	364 301	523 509	<b>504</b> 495	286 286		85 85	52 52			193   199
September   Sept	1.01 or mare persons per room	164	12 58	10 63	53 14	30	14	18	22		_	5	205 104
None	1.01 or more persons per room		-	14	7		-	-	-	-	-	-	iii
2		764	220	222	177	47	21				26	13	128
UNITS IN STRUCTURE  1, detoched or dritoched	1	3 977	527	703	1 310	1 015	210	91	14	, 6	19	82	179
UNITS IN STRUCTURE  1, detoched or dritoched		1 655	23	82	77	111	216	343	263	314	63	144	336
UNITS IN STRUCTURE  1, detoched or drached	45 or more		4	18	21	53 7	42	52 30	63	81	59 20	33 25	355   351
2 2038 31 222 443 464 333 277 111 111 6 40 228 30 144 276 237 213 49 33 - 32 196 10 to 49 - 15 50 0 - 15 50 219 238 260 435 230 94 23 5 7 49 205 50 0 more - 545 178 77 52 26 683 35 - 9 48 7 180 Mobile home or troller, etc. 682 - 52 118 228 115 73 15 - 12 69 230 294 20 20 20 20 20 20 20 20 20 20 20 20 20	UNITS IN STRUCTURE												
3 and 4	1, detached or attached	4 312	103	310	621			665			165		264
YEAR STRUCTURE BUILT   1975 to Morch 1980	3 ond 4	1 642	139	153	202	312	350	275	74	31	3	13	235
YEAR STRUCTURE BUILT   1975 to Morch 1980	10 to 49	1 560	213	228	260	435	237	94	23			49	205
YEAR STRUCTURE BUILT   1975 to Morch 1980	Mobile home or trailer, etc.	545 682	178	77 52	118	56 228	83 115	35	15	9 -	48 12	69	230
STORIES IN STRUCTURE	YEAR STRUCTURE BUILT												
STORIES IN STRUCTURE	1975 to March 1980	2 052	212	94 60	108	304 379	402 396	459 287	165 80		62 57	48 23	286 258
STORIES IN STRUCTURE	1960 to 1969	1 881	78	86	289	481	300	286	98	104	69	90	246
STORIES IN STRUCTURE   10 3	1940 to 1949	1 819	101	244	455	439	224	157	45	29	21	104	205
10 3   12 110   802   1 188   2 171   2 519   1 899   1 592   640   576   232   491   231   4 or more   394   81   92   59   51   56   40   9   6   183   81   81   81   82   59   51   56   40   9   6   183   81   81   81   81   81   81   8		2 /80	310	638	722	393	196	167	99	52	21	182	1/1
CROSS RENT AS PERCENTAGE OF HOUSEHOLD   INCOME IN 1979   Ess than 15 percent   1 936   145   184   370   333   337   328   118   82   39     209   15 to 19 percent   1 836   201   186   361   338   333   203   86   103   25     221   25 to 29 percent   1 408   118   23   203   299   178   235   122   87   43     241   25 to 29 percent   925   60   82   149   222   182   103   73   40   14     240   35 to 49 percent   91   559   86   160   302   279   288   238   87   79   40     238	1 to 3			1 188	2 171	2 519		1 592	640	576	232	491	231
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979  Less thon 15 percent 2 100 223 340 386 482 300 199 84 61 25 209  15 to 19 percent 333 337 328 118 82 39 240  20 to 24 percent 1 836 201 186 361 338 333 203 86 103 25 221  25 to 29 percent 2 1 408 118 123 203 299 178 235 122 87 43 221  30 to 34 percent 2 925 60 82 149 222 182 103 73 40 14 240  35 to 49 percent 3 1 559 86 160 302 279 286 238 87 79 40 233  Nor computed 3 2 121 43 200 422 593 301 318 70 124 50 233  Nor computed 619 7 5 37 24 36 8 5 497 238  Median 2 25 129 1480 1280 229  SELECTED CHARACTERISTICS	4 or more	394 364	81 81	92 81	59 52		56 56	40 35	-	_	9 9	6	183
Less than 15 percent     2 100     223     340     386     482     300     199     84     61     25     29       15 to 19 percent     1 936     145     184     370     333     337     328     18     82     39     29       20 to 24 percent     1 836     201     186     361     338     333     203     86     103     25     221       25 to 29 percent     1 408     118     123     203     299     178     235     122     87     43     242       30 to 34 percent     925     60     82     149     222     182     103     73     40     14     240       35 to 49 percent     1 559     86     160     302     279     288     238     87     79     40     239       50 percent or more     2 121     43     200     422     593     301     318     70     124     50     239       Medion     25.3     21.7     23.1     24.7     27.0     24.8     26.7     26.3     27.4     28.4        SELECTED CHARACTERISTICS       Heating equipment     12 501     880     1 280     2 30     2 570 <th></th>													
20 to 24 percent	INCOME IN 1979 Less than 15 percent	2 100	223	340	386	482	300	199	R4	61	25		209
30 to 34 percent	15 to 19 percent	1 936	145	184	370	333	337	328	118	82	39	•••	240
Medion	25 to 29 percent	1 408	118	123	203	299	178	235	122	87	43		242
Medion	35 to 49 percent	925 1 559	86	160	149 302	279	288	238	73 87	40 79	14		240
Medion	50 percent or more Not computed	2 121 619	43 7	200	3/ 1	593	301	318 8	70	124	50 5		233 238
Heating equipment 12 501 880 1 280 2 230 2 570 1 955 1 632 640 576 241 497 229	Median	25.3	21.7	23.1	24.7	27.0	24.8	26.7	26.3	27.4			
Centrol heating system	Heating equipment	12 501	880	1 280	2 230	2 570	1 955	1 632	640	574	241	497	229
Centrol system 1 494 32 71 51 228 293 332 213 155 68 51 307	Central heating system	10 610	615	857	1 682	2 250	1 880	1 514	608	570	241	393	243
	Central system	1 494	32	71	51	228	293	332	213	155	68	51	307

## 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 8]

					He	ousehold incor	me in 1970						
The SMSA	T-A-I	Less than	\$5,000 to	\$10,000 to	\$12,500 to	\$15,000 to	\$20,000 to	\$25,000 to	\$35,000 to	\$50,000 or	Median	Mean	Income in 1979 below poverty
	Total	\$5,000	\$9,999	\$12,499	\$14,999	\$19,999	\$24,999	\$34,999	\$49,999	more	(dollors)	(dollors)	level
Owner-occupied housing units HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER	26 920	1 687	3 070	1 595	1 800	4 244	4 348	5 751	2 913	1 512	21 137	24 097	1 423
Married-couple families 15 to 24 years	20 604 855	<b>615</b>	1 539 82	915 84	1 133 82	3 357 216	<b>3 770</b> 156	5 244 172	<b>2 669</b> 30	1 362 17	23 562 18 983	26 722 20 823	658 27
25 ta 34 years 35 to 44 years 45 to 64 years	5 032 4 491 7 506	99 121 186	170 84 376	202 83 273	309 174 295	1 080 656 986	1 492 752 1 098	1 273 1 518 1 985	286 707 1 537	121 396 770	22 119 26 823 27 296	23 131 29 967 31 663	142 166 210
65 years and over Male householder, no wife present	2 720 2 067	193 <b>275</b>	827 243	273 135 25	273 198	419 385	272 <b>309</b>	296 <b>268</b>	109 145	58 109	13 114 <b>17 493</b>	16 228 21 571	113 169
15 to 24 years 25 to 34 years 35 to 44 years	203 721 374	25 70 6	13 47 29	25 29 18	38 106 28	31 180 94	34 93 68	12 110 79	18 55 18	7 31 34	15 083 18 265 20 732	19 636 20 656 31 702	14 60
45 to 64 years 65 years and over	458 311	65 109	47 29 58 96	39 24	14 12	66 14	34 93 68 89 25 <b>269</b>	79 61 6	35 19	34 31 6 41	18 917 7 473	22 061 12 050	14 48 33 596
15 to 24 years 25 to 34 years	4 249 118 561	<b>797</b> 11 77	1 <b>288</b> 66 165	545 18 83	<b>469</b> 6 74	<b>502</b> 5 73	_	239 12 28	99 - 15	14	8 548 11 160	12 594 10 369 14 553	596 11 87
35 to 44 years 45 to 64 years	561 601 1 464	95 168	102 428	83 76 244	59 186	158 172	32 57 100	48 85	6 66 12	15	13 665 11 393	13 536 13 971	87 97 183
65 years and over Median age	1 505 <b>46.0</b>	446 <b>60.5</b>	527 <b>63.8</b>	124 <b>53.4</b>	144 <b>47.</b> 1	94 <b>40</b> .9	80 38.4	66 <b>42.6</b>	48.3	47.3	7 896	10 322	218 49.9
YEAR HOUSEHOLDER MOVED INTO UNIT	4 550	222	389	310	362	994	763	888	396	226	19 991	23 730	254
1975 to 1978	8 977 4 456	417 278	686 516	429 204	566 279	1 453 618	1 650 828	2 281 981	994 455	501 297	22 665 22 108 22 997 15 123	25 385 24 434	419 279
1960 to 1969	4 339 4 598	285 485	1 037	275 377	208 385	611 568	564 543	931 670	712 356	311 177	22 997 15 123	26 281 19 557	198 273
SELECTED CHARACTERISTICS Complete plumbing for exclusive use	26 824	1 664	3 020	1 591	1 800	4 244	4 344	5 742	2 907	1 512	21 170	24 144	1 392
1.01 or more persons per room Lacking complete plumbing for exclusive use	391 <b>96</b>	13 <b>23</b>	26 <b>5</b> 0	31	32	90	60	82 9	44	13	20 324 7 917	22 160 10 764	31 <b>31</b>
1.01 or more persons per room  Heating equipment  Central heating system	26 913 25 248	1 <b>687</b> 1 <b>429</b>	3 '070 2 704	1 595 1 466	1 <b>800</b> 1 648	4 237 3 989	4 348 4 178	5 751 5 522	2 913 2 846	1 512 1 466	10 938 21 141 21 544	15 820 24 098 24 518	7 1 423 1 197
Air conditioning	10 904 4 880	552 225	1 <b>068</b> 349	678 229	<b>704</b> 292	1 <b>547</b> 549	1 675 606	2 447 1 157	1 <b>457</b> 912	<b>776</b> 561	<b>22 529</b> 26 513	26 327 31 526	445 184
Vehicles available	26 298 6 091 20 207	1 431 717 714	2 801 1 538 1 263	1 <b>566</b> 723 843	1 <b>768</b> 654 1 114	4 225 1 027 3 198	4 338 670 3 668	5 751 458 5 293	2 913 193 2 720	1 505 111 1 394	21 451 12 758 23 991	24 485 15 565 27 174	1 299 511 788
2 or more  House heating fuel  Utility gas	26 913 23 226	1 687 1 386	3 <b>070</b> 2 700	1 <b>595</b> 1 378	1 <b>800</b> 1 520	4 237 3 632	4 348 3 721	5 751 5 014	2 913 2 568	1 512 1 307	21 141 21 247	24 098 24 323	1 423 1 138
Bottled, tonk, or LP gas	784 2 041	94 103	156 107	39 95 38	65 138	100 343	119 413	138 452	25 270	48 120	16 583 22 746	20 489 24 984	84 80
Other	361 501 <b>5.9</b>	65 39 <b>4.9</b>	65 42 <b>4.9</b>	45 <b>5.2</b>	25 52 <b>5.3</b>	66 96 <b>5.7</b>	19 76 5.9	41 106 <b>6.6</b>	25 25 <b>7.2</b>	17 20 <b>8.1</b>	13 750 19 052	17 530 20 445	68 53 <b>5.2</b>
Specified owner-occupied housing units	20 726	1 135	2 151	1 078	1 235	3 279	3 496	4 729	2 433	1 190	22 036	24 907	907
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
With a mertgage Less than \$200 \$200 to \$249	15 105 833 1 829	517 34 88	<b>938</b> 131 227	<b>575</b> 79 78	805 72 129	2 492 126 329	2 853 144 280	4 009 146 410	1 <b>959</b> 90 247	957 11 41	23 854 18 926 20 851	26 931 20 454 22 444	573 41 76
\$250 to \$299 \$300 to \$349	1 745 1 561	45 45	76 114	83 87	76 174	305 249	376 314	531 307	205 203	48 68 77	23 915 20 949	24 598 25 120	51 51
\$350 to \$399 \$400 to \$499 \$500 to \$599	1 665 3 335 2 063	95 89 79	131 140 70	77 76 36	. 71 176 68	375 653 294	223 766 462	461 911 636	155 365 248	159 170	21 424 22 854 24 827	23 558 26 523 28 307	110 105 86
\$600 to \$749 \$750 or more	1 401 673	79 10 32	40 9	36 39 20	68 39 -	133 28	220 68	447 160	290 156	183 200	26 794 30 474	35 262 46 204	15
Median	\$398 5 621	\$374 618	\$315 1 213	\$327 <b>503</b>	\$336 <b>43</b> 0	\$382 <b>787</b>	\$410 <b>643</b> 9	\$415 <b>720</b>	\$425 474	\$544 <b>233</b>	15 256	19 467	\$381 334
Less than \$50 \$50 to \$74 \$75 to \$99	96 473 1 419	37 115 207	36 185 434	39 147	42 100	7 51 207	9 30 111	11 138	7 - 62	- - 13	6 058 7 631 11 165	9 817 9 629 14 188	334 33 66 92 73 36 25
\$100 to \$124 \$125 to \$149	1 419 974	133 81	305 158	149 87 67	168 65 48 7	221 153 107	173 119	139 204	101 71	30 36	14 323 18 343 23 398 30 249	18 028	73 36
\$150 to \$199 \$200 to \$249 \$250 or mare	830 229 181	36 - 9	56 24 15	67 - 14	48 7	107 26 15	142 40 19	170 41 17	137 57 39	13 30 36 67 34 53	23 398 30 249 35 508	20 644 27 055 37 361 39 182	25
Medion  MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD	\$114	\$94	\$97	<b>\$11</b> 1	\$111	\$115	\$125	\$134	\$149	\$178			. \$93
INCOME IN 1979 With a mortgage	15 105	517	938	575	805	2 492	2 853	4 009	1 959	957	23 854	26 931	573
Less than 15 percent	4 352 2 701	-	13 14	20 51	36 102	225 446	595 538	1 437 1 002 915	1 202	824 114	23 854 33 675 26 549	41 179 27 848	7 15 10
20 to 24 percent 25 to 29 percent 30 to 34 percent	2 490 1 872 1 179	4	46 56 123	61 70 84	105 178 104	429 540	595 538 682 561 259	915 398 170	434 233 65 17	19	24 477 20 703 18 391	25 153 21 274	10
35 percent or more Not computed	2 409 102	411 102	686	289	280	422 430	218	87	8 -	=	10 930 2500—	18 504 11 755 -2 173	435 102
Median	20.9 <b>5 621</b>	50+ 618	49.0 1 213	35.1 <b>503</b>	29.5 <b>430</b>	26.4 <b>787</b>	22.2 <b>643</b>	17.8 <b>720</b>	13.1 474	10— 233	15 256	19 467	50+ 334
Less than 10 percent	2 905 1 221 642	9 18 58	69 428 424	126 252 97	188 219 23	589 163 35	516 127	706 9 5	469 5	233	24 550 11 632 7 687	29 088 12 519 8 563	9
20 to 24 percent 25 ta 29 percent	291 184	119 102	158 68	14 14	- - -	35  	=	- -	=	-	5 625 4 755	5 813 5 640	16 28 38 36
30 to 34 percent 35 percent or more Not computed	109 253 16	74 222 16	35 31	=	=	=	=	=	=	=	4 293 3 419 2500—	4 757 3 581 -938	36 174 16
Median	10-	29.8	16.3	12.5	10.6	10-	10—	10-	10-	10—	2500—	-938	36.7

Table A-4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

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

					Но	usehold incom	me in 1979						
The SMSA	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	Medion (dollars)	Mean (dollars)	Income in 1979 belaw poverty level
Renter-occupied housing units	12 971	2 906	3 170	1 487	1 212	1 805	1 087	817	315	172	10 688	12 981	2 688
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER  Married-couple families  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  65 years and over  Male householder, no wife present  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  65 years and over  Female householder, no husband present  15 to 24 years  35 to 44 years  45 to 64 years  35 to 44 years  35 to 44 years  45 to 64 years  45 to 64 years  65 years and over  65 years and over  65 years and over  Medien age	4 253 948 1 474 623 785 423 3 653 1 168 1 188 639 313 5 045 1 408 1 206 424 840 1 187 32.0	367 1006 777 90 54 40 751 231 150 30 141 141 1788 515 281 85 281 85 282 392	681 169 132 81 107 192 839 319 246 1000 67 1 650 507 427 141 210 365 31.1	575 200 199 32 54 81 439 118 175 35 93 18 473 78 143 57 109 29.8	439 133 146 63 41 156 86 86 142 36 47 5 5 457 111 132 68 87 7 59 30.4	844 175 377 103 167 22 621 247 226 59 77 12 340 123 108 49 36 24 29.2	623 117 259 96 140 11 366 63 112 38 86 7 158 19 41 41 21 33.3	433 19 179 103 119 13 242 76 6 94 26 41 5 142 29 6 7 7 7 7 28 8 11 33.5	207 7 7 97 38 57 8 8 82 22 26 8 26 26 14 7 7 5 5 - 33.2	84 13 8 17 46  57 6 17 6 28  31 12  6 13  45.7	15 376 12 380 17 168 17 975 19 171 9 542 11 377 10 720 12 905 12 104 4 282 7 059 6 519 6 519 8 041 4 861	17 453 14 063 18 441 19 262 21 793 10 891 13 425 12 493 14 666 6 15 856 6 6 127 8 905 8 61 10 891 10 223 6 435	499 135 119 140 68 37 606 221 111 20 114 140 1 583 561 317 110 263 332 32.1
YEAR HOUSEHOLDER MOVED INTO UNIT  1979 to Morch 1980	7 665 3 402 979 552 373	1 629 748 236 144 149	1 984 781 224 100 81	860 418 96 58 55	645 356 125 47 39	1 140 500 111 49 5	661 249 95 70 12	464 253 49 33 18	169 83 25 30 8	113 14 18 21 6	10 638 11 029 10 768 11 379 6 674	13 008 12 665 13 625 15 482 9 917	1 708 590 171 118 101
PLUMBING FACILITIES BY PERSONS PER ROOM  Complete plumbing for exclusive use 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking complete plumbing for exclusive use 0.50 or less 0.51 to 1.00 1.01 to 1.50	12 503 8 316 3 817 281 89 468 226 209	2 722 1 939 701 54 28 184 81 96	3 013 2 084 829 80 20 157 73 70	1 439 998 415 21 5 48 29 7	1 182 782 359 24 17 30 25 5	1 773 1 106 616 51 - 32 13 19 -	1 080 641 406 21 12 7 -7	812 505 283 17 7 5 5	310 182 123 5 - 5 - 5	172 79 85 8 - - - - -	10 897 10 338 12 280 10 774 9 375 6 202 6 509 5 574 — 6 696	13 179 12 372 14 919 14 148 10 894 7 695 7 832 7 675 6 892	2 537 1 474 892 126 45 151 55 75 -
SELECTED CHARACTERISTICS  Heating equipment	12 968 10 936 4 397 1 506 11 008 6 091 4 917 12 968 10 399 344 1 884 1 98 1 43	2 906 2 204 837 175 1 807 1 431 376 2 906 2 119 111 566 61 49 3,4	3 170 2 616 1 002 269 2 503 1 804 699 3 170 2 506 92 494 61 17 3.7	1 484 1 274 489 190 1 397 863 534 1 484 1 236 27 189 5 27	1 212 1 008 415 139 1 168 659 509 1 212 977 38 158 22 17	1 805 1 624 607 216 1 767 772 995 1 805 1 489 25 248 21 22	1 087 989 418 182 1 080 353 727 1 087 946 21 99 16	817 762 389 202 799 138 661 817 737 24 43 7	315 287 139 70 315 46 269 315 249 6 55 5	172 172 101 63 172 25 147 172 140 	10 687 11 272 11 838 14 640 12 137 9 533 16 591 10 687 11 162 8 664 8 907 7 788 10 509	12 982 13 651 14 652 17 917 14 312 10 622 18 883 12 982 13 380 10 624 11 699 10 504	2 688 2 065 698 210 1 850 1 277 573 2 688 1 990 130 471 60 37 3.7
Specified renter-occupied housing units	12 504	2 791	3 101	1 433	1 154	1 728	1 060	773	297	167	10 628	12 923	2 575
CONTRACT RENT  Less than \$100	1 171 1 723 2 941 2 417 2 241 790 467 169 88 497 \$203	721 542 637 416 239 59 20 10 7 140 \$154	292 563 877 604 476 92 43 22 16 116 \$182	57 169 479 289 274 85 20 5 	38 180 268 261 198 67 60 23 - 59 \$211	32 164 332 388 463 202 83 11 6 47	22 65 193 218 295 110 81 33 10 33 \$253	4 12 124 162 197 83 98 42 22 29 \$267	5 22 16 53 53 67 37 19 13 12 \$274		4 370 7 458 9 776 11 631 14 160 17 018 20 284 22 784 27 833 9 724	5 918 9 122 11 044 13 382 15 754 19 616 22 604 22 903 29 218 12 703	516 470 615 433 288 104 26 10 7 7
GROSS RENT Less than \$100	883 1 280 2 230 2 570 1 955 1 632 640 576 241 497 \$229	593 449 565 540 235 178 25 48 18 140 \$174	227 440 713 712 450 281 65 71 26 116 \$207	18 124 383 349 215 202 59 22 6 55 \$223	21 100 209 280 219 135 61 47 23 59 \$236	7 102 220 277 414 365 180 99 17 47 \$280	17 40 83 230 187 231 103 93 43 33 \$288	- 11 22 145 164 134 80 116 72 29	14 22 29 45 60 42 55 18 12 \$327	- 13 8 26 46 25 25 25 18 6	4 171 6 724 8 791 10 236 13 385 15 242 17 412 20 042 23 580 9 724	5 070 8 442 9 709 11 703 14 766 16 999 20 375 21 984 24 688 12 703	421 364 523 504 286 216 85 52 18 106 \$193
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979  Less than 15 percent	2 100 1 936 1 836 1 408 925 1 559 2 121 619 25.3	16 90 173 150 112 352 1 636 262 50+	153 179 379 441 461 903 469 116 33.7	82 247 380 251 213 194 11 55 24.7	166 290 288 208 65 73 5 59 21.6	391 486 440 272 65 27 47 19.6	424 419 98 70 6 10 - 33 16.1	452 195 78 16 3 - 29	263 22 - - - - 12 10.1	153 8 - - - - - 6 10—	22 618 16 858 12 408 11 125 9 044 7 096 3 555 7 474	26 005 17 093 12 745 11 442 9 272 7 439 3 772 10 016	41 65 153 154 96 353 1 485 228 50+

## 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]

	[Data are estimated	otes basea on a	sample, see Intr	oduction. For m	neaning of symbo	is, see Introduct	ion. For definiti	ons of terms, se	e oppendixes A	ond Bj	
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	15 105	833	1 829	1 745	1 561	1 665	3 335	2 063	1 401	673	398
PERSONS IN UNIT											
1 person 2 persons	1 163 3 919	134 303	146 725 372 355 167	133 475	213 342 291	126 433 399	229 779	132 448	22 331 211	28 83	340 363 394 425 428 441 348 451
3 persons 4 persons	3 169 4 044	164 121	372 355	403 430 196 76	291 388	399 443	748 1 017	456 586	459	125 245	394 425
5 persons 6 persons	4 044 1 844 676	95 5	167 50	196	388 194 78	443 154 82	376 111	586 251 127	271 95	140 52	428
7 persons	193 97	11	14	32	41	21	29 46	38 25	7	-	348
Median	3.28	2.43	2.62	3.16	3.27	3.19	3.38	3.49	3.80	3.91	431
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families	12 513 490	<b>639</b> 16	1 379 16	1 413 58	1 250	1 357 22	2 830 220	1 761 88	1 260 34	624	407
25 to 34 years	3 917 3 431	40	145 217	244	459	474 392	1 226 734	663	496 374	170	442
45 to 64 years	4 184 491	377 96 <b>65</b> 15	840	244 406 629 76 76	453	474 392 431 38 119 10 37 47 25	604	621 347	344 12	295 159	327
65 years and over	1 025	65	840 161 <b>108</b> 11	76	120	119	46 286 35 155 35 61	42 146	78	27	408
15 to 24 years	102 461	2]	5	4 44 23 5	63	37	155	90	34	12	438
35 to 44 years	461 245 194	9 20	5 30 51 11	23 5	36 459 282 453 20 120 14 63 5 26 12	47 25	35 61	49	38	9 6	433 442 446 327 246 408 385 438 454 340 302 315 402 382 22 321 268
65 years and overFemale householder, no husband present	23 1 567	129	11 342	256	12	189	219	156	63	22	302 315
15 to 24 years 25 to 34 years	29	- 6	26	_	- 60	14 54	15 112	39	_	_	402 382
35 to 44 years	384 437 570	22 75 26	97	65 81 79	60 45 69 17	14 54 74 47	40 47	58 28	22 10 31	10 12	321
65 years and over	147 39.9	26 53.4	26 97 182 37 <b>51.3</b>	31 <b>43.9</b>	17 39.2	38.7	5 <b>34.4</b>	31 <b>36.6</b>	37.3	40.0	
YEAR HOUSEHOLDER MOVED INTO UNIT	37,7	33.4	31.3	40.7	37.2	30.7	34.4	30.0	37.3	40.0	
1979 to March 1980	3 064	67	39	148	185	210	916	700	540	259	497
1975 to 1978 1970 to 1974	3 064 5 969 2 793 2 458	84 187	39 199 455	351 616	185 674 389	878	1 769	995 211 128	540 719 77	259 300 71 34	438
1960 to 1969	2 458 821	278 217	455 840 296	537 93	389 229 84	359 168 50	428 191	128	77 53 12	34	497 438 318 260 233
	021	217	270	73	04	30	31	29	12		233
ROOMS 1 to 3 rooms	191	24	8	27	33	7	62	10	7	13	375
4 rooms5 rooms	1 166 3 082	24 229	198 539 384	110	180	126	207	10 57	48	13	375 313 341 366 401 461
6 rooms	2 555	132	384	465 341	335	269	643 576	336	119	23 63 86	366
7 rooms	2 676 5 435	268 132 87 93 5.1	311 389 5.9	298 504	180 330 335 293 390	126 351 269 344 568 6.7	588 1 259	291 336 372 997	48 172 119 297 758	477	401 461
Median	6.7	5.1	5.9	6.3	6.2	6.7	6.8	7.4	7.7	8.5+	
YEAR STRUCTURE BUILT 1975 to March 1980	4 152	81	77	115	220	250	1 120	949	779	425	500
1970 to 1974	1 835	21	135 477 722	2/8	238 183 357	350 238 309 454 126 188	1 128 447	290	189 237 122	435 84	509 420 358 324 334 331
1960 to 1969	3 145 3 646 1 172	331 136	722	583 522 119	516	309 454	652	290 353 279	122	84 79 48 15	324
1940 to 1949 1939 or earlier	1 172	136 156	216 202	119 158	168 99	126 188	447 642 652 232 234	117 75	43 31	15	334 331
VALUE											
Less than \$10,000 \$10,000 to \$19,999 \$20,000 to \$29,999 \$30,000 to \$39,999	36 112	14	22 31	7	-	7	-	-	-	-	209
\$20,000 to \$29,999	367	14 58 81	126	6 74	28	29	29	.=	_	_	209 197 241 287 331 378
\$40.000 to \$49.999	890 2 824	166 221 180	126 149 571	176 369	28 203 408 384	79 398	103 667 1 154	14 166	20 165	4	287 331
\$50,000 to \$59,999 \$60,000 to \$79,999	4 034 4 290	180 113	620 269	74 176 369 559 495	384 409	29 79 398 493 457	1 154 951	166 452 862	165 619	4 27 115	378 440
\$80,000 to \$99,999 \$100,000 to \$149,999	1 530 832	=	29 12	66	78 40	146 56	302 104	383 162	360 215	166 243	538 629
\$150,000 or more	190 \$58 000	\$43 800	\$50 200	\$53 600	\$53 400	\$56 000	\$57 000	\$66 300	\$77 100	118 \$103 400	750+
SELECTED MONTHLY OWNER COSTS AS	700 000	4.0 000	430 200	450 000	ψ30 400	430 000	ψ37 000	400 000	<b>\$77</b> 100	<b>\$100 400</b>	
PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent	4 352 2 701	586 101	1 077 292	955 397	480 394	357 401	426 638	221 229	170 148	80 101	277 371
20 to 24 percent	2 490	54 29	120 56	155 79	203 208 76	313	849 558	449 434	262	85	442
30 to 34 percent	1 872 1 179	7	109	45	76	200 83	348	243 472	221 190	78	458 481 474
Not computed	2 409 102	56 -	164 11	109 5	194	298 13	484 32	15	400 10	232 10	4/4
Median	20.9	10.3	13.5	14.4	18.8	21.1	23.5	26.4	27.6	28.8	
SELECTED CHARACTERISTICS Heating equipment	15 098	833	1 829	1 745	1 561	1 665	3 328	2 063	1 401	673	397
Steam or hot water system Central warm-air furnoce or electric heat pump	847 12 903	47	91	80	71	104	131	147	118	58 572	417 396
Other built-in electric units	563	662 15	1 630 15	1 569 29	1 306	1 402 56	2 871 175	1 733 121	1 158 88	25	471
Plaar, wall, or pipeless furnaceOther means	290 495	65 44 <b>33</b> 1	36 57	. 44	60 85	41 62	38 113	6 56	37	18	300 381
Air conditioning	6 023 2 888	<b>331</b> 66	<b>781</b> 157	620 200	565 219	<b>534</b> 216	1 <b>247</b> 598	<b>793</b> 476	716 565	<b>436</b> 391	415 498
1 or more individual room units House heating fuel	2 888 3 135 15 098	265 833	624 1 829	420 1 745	346 1 561	318 1 665	649 3 328	317	151 1 401	45 673	337 397
Utility gos	13 474 138	764	1 785 19	1 651	1 431 23	1 509	2 863 23	2 063 1 748 13	1 147 20	576	387 I
ElectricityFuel oil, kerosene, etc	1 257	265 <b>833</b> 764 18 34 5	19	55 17	76	112	. 400	265	205	9]	364 484 379
Other	62 167	12	5	18	31	14 12	42	14 23	5 24	6 -	411

## Table A-6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

	[Dato ore estimate	s based on a samp	le, see Introducti	on. For meaning	of symbols, see i	ntroduction. For a	definitions of term	s, see appendixes	A ond 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	5 621	96	473	1 419	1 419	974	830	229	181	114
PERSONS IN UNIT	V 32.									
1 person	1 404 2 952	39	231	423	314	195	110	60	32	101
2 persons3 persons	717	48	231 191 30 15	423 694 198 59 24	314 838 169 52 37	195 513 145 58 48 15	110 462 114 84 39	60 95 36 30 8	32 111 25 13	116
4 persons5 persons	311 171	9	15	59 24	52 37	58 48	84	30	13	138
6 persons	52 14		-	14	ő	15	14	_	-	101 116 119 138 130 130
7 persons 8 or more persons	-			_			-			125
Medion	1.98	1.69	1.53	1.91	1.97	2.07	2.16	2.07	2.03	
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families	3 720 33	39	<b>202</b> 10	<b>871</b> 18	962 5	705	657	163	121	119 84
25 to 34 years	134 243	_	- 8	40 45	10 24	56 76	28 70	- 8	12	133
35 to 44 years	1 669 1 641	21 18	46 138	348 420 130	461 462	309 264	329 230	96 59	59 50	84 133 140 123 113 90 63 72 114 90 108 98 98 128 73
65 years and over Male householder, no wife present	363	24	78	130	50	32	31	18	-	90
15 to 24 years	42	17	5 -	13	- 6	6	_	_	_	63 83
25 to 34 years 35 to 44 years 45 to 64 years	18 94	_ [	10 27 36	8 8	22	19	12	- 6	-	72   114
65 years and overFemale householder, no husband present	204 1 538	7 <b>33</b>	36 193	101 <b>418</b>	22 22 <b>407</b>	7 237	12 19 142	12 48	60	90
15 to 24 years	13	-	-	7	-	-	6	-	-	98
25 to 34 years	24 29	7 7	8	11 7	-	8 7	5	Ξ	_	128   73
35 to 44 years 45 to 64 years 65 years and over	477 995	11 15	39 146	89 304	162 245	63 159	64 67	24 24	25 35	115 103
Median age	65.2	62.5	70.5	67.6	65.3	63.2	61.6	62.0	63.9	
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to Morch 1980 1975 to 1978	204 618	16	7	58 160	30 95	54 131	33 96	6	_ 55	117
1970 to 1974	529	24	42 31 85 308	89	152	82	118	15 30 87	20	122 123 126 108
1960 to 1969	1 237 3 033	13 36	85 308	218 894	297 845	260 447	243 340	87 I 91	34 72	126   108
ROOMS			· ·							
1 to 3 rooms	239	25	105	86	7	16	_	_	_	72
4 rooms5 rooms	1 180 1 730	25 34 37	105 125 145	425 492	361 506	153	56 185 197	14	12 25 24	100
6 rooms	1 730 1 075	9-	46	86 425 492 284 107 25	290	153 325 195 139	197	14 15 39 71 90	24	72 100 109 118 136 162
7 rooms 8 or more rooms	660 737		46 36 16	25	361 506 290 128 127	146 5.5	166 226	90	13	162
Medion	5.3	4.2	4.5	4.9	5.2	5.5	6.4	7.2	8.1	•••
YEAR STRUCTURE BUILT										,,,
1975 to Morch 1980	346 207	7	12	106	26 78	87 28	60 53 169	6 15 76 89	42 20	131
1960 to 1969	555 1 710	13	16	58 413	108 426	75 330 160	169	76 89	40 28 7	152   121
1940 to 1949	1 080 1 723	9 52	80 110 255	362 474	343 438	160 294	336 77 135	12	7	131 136 152 121 104 105
	1 /23	52	255	4/4	430	274	133	31	44	103
VALUE Less thon \$10,000	78	7	51	12	7		_		_	44
\$10,000 to \$19,999	377	56	51 84 121	13	107	24		<del>-</del>	=	66   86   94   100   111   125   154   188
\$20,000 to \$29,999 \$30,000 to \$39,999	730 1 096	13	121 83 91	297 460	186 325	24 75 179	32 35 108	6 -	6	100
\$40,000 to \$49,999\$50,000 to \$59,999	1 173 840	12	91 28	460 296 130	414 265	238 203	108 170	6 38 86	8	111 125
\$60,000 to \$79,999 \$80,000 to \$99,999	891 189	-	6	105	98	204	371	86	6 21 24	154
\$100,000 to \$149,999	194	=	9	7	'-	20	50	33	75	217
\$150,000 or more	53 \$44 600	\$15 000	\$27 300	\$36 000	\$42 400	\$48 900	\$64 700	\$76 500	\$124 500	250+
SELECTED MONTHLY OWNER COSTS AS										
PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent10 to 14 percent	2 905 1 221	57 18	217 129 51 40	718 279 184 132 58 16 26	707 354 186 32 43 23 72	536 155 90 73 39 15	448 207	129 49	93 30	116 113
10 to 14 percent 15 to 19 percent 25 to 29 percent	642	8	51	184	186	90	76 14	27	30 20	113 110
25 to 29 percent	291 184	=	8	58	43	39	16 16 29	6	14	95 115 120 131 62
35 percent or more	109 253	5 -	15 13	16 26	23 72	15	29 40	12	24	120
Not computed	16 10—	10-	10.8	10-	10.0	10—	10-	10-	10-	62
SELECTED CHARACTERISTICS	,,,	, ,	,0.0	,,	, , , ,					
Heating equipment	5 621	96	473	1 419	1 419	974	830	229	181	114
Steam or hot water system Central warm-air furnace or electric heat pump	566 3 910	-	21 185 19	93	68 1 108	113	159 648	61 163	51 123	147
Other built-in electric units	135	44	19	876 50	32	763 13	9	5	7	99
Ploor, wall, or pipeless furnoceOther means	381 629	7 45	72 176	188 212	61 150	46 39	7		_	90 l 86 l
Air conditioning	2 000 600	29	80	<b>445</b> 64	<b>479</b> 97	364 120	348 164	156 62	99 86	123 154
) or more individual room units	1 400	22	80	381	382	244 974	184	94	13	114
Utility gos	5 <b>621</b> 5 217	9 <b>6</b> 78	<b>473</b> 417	1 419 1 325	1 419 1 334	893	<b>830</b> 796	229 206	181 168	114
Bottled, tonk, or LP gosElectricity	68 195	- 8	5 26	16	13 38 27	14 35	8 20	12 11	7	125 109
Fuel oil, Kerosene, etc Other	92 49	5	10	50 12 16	27	26	6	-	6	147 119 99 90 86 123 154 114 115 125 109 118 82
	47		13	10			_			02

### 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]

		0.	vner-occupied l	nousing units				Re	nter-occupied ho	ousing units		
The SMSA	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	26 920	6 348	3 654	4 561	8 720	3 637	12 971	2 074	1 713	1 927	4 260	2 997
HOUSEHOLD TYPE AND AGE OF HOUSEMOLDER Married-couple families  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  65 years and over  Male householder, no wife present  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  65 years and over  Female householder, no husband present  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years	20 604 855 5 032 4 491 7 506 2 720 2 067 203 721 374 458 311 4 249 118 561 601 1 464 1 505	5 395 400 2 007 1 601 1 216 177 490 72 239 91 63 25 463 28 146 95 143 51	2 732 94 709 824 947 158 388 388 388 383 131 105 91 33 3534 24 24 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	3 755 89 714 871 1 759 322 178 26 59 23 48 22 628 24 113 108 207 176	6 352 1 246 859 2 823 1 266 706 707 230 134 182 113 1 662 19 159 159 159 159 164 644	2 370 114 356 336 761 803 305 62 21 74 118 962 23 60 49 263 567	4 253 948 1 474 623 785 423 3 653 1 168 1 188 345 639 313 5 065 1 408 1 206 424 840 1 187	811 168 305 119 137 82 459 132 159 62 77 29 804 266 125 93 72 248	567 179 172 75 98 43 398 101 175 17 72 33 748 201 205 61 95	637 136 201 112 125 63 59 229 161 59 83 27 731 200 162 66 141 162	1 431 296 602 226 204 103 1 167 466 410 65 171 55 1 662 533 520 103 273 233	807 169 194 91 221 1322 1 070 240 283 142 236 169 1 120 208 194 101 259 358
YEAR HOUSEHOLDER MOVED INTO UNIT 1979 to March 1980	4 550 8 977 4 456 4 339 4 598	2 361 3 987 — —	506 1 308 1 840	548 1 202 832 1 979	845 1 795 1 281 1 699 3 100	290 685 503 661 1 498	7 665 3 402 979 552 373	32.4 1 606 468 - -	1 024 512 177	32.1 1 182 470 130 145	2 522 1 053 290 242 153	1 331 899 382 165 220
ROOMS 1 room	34 130 616 4 025 6 661 4 629 10 825 5.9	6 30 67 770 1 513 1 081 2 881 6.2	6 24 76 671 928 525 1 424 5.7	10 29 86 439 857 717 2 423 6.7	12 30 245 1 459 2 330 1 621 3 023 5.7	17 142 686 1 033 685 1 074 5.4	541 1 033 2 738 4 181 2 393 1 102 983 4.0	34 128 380 789 404 188 151 4.1	131 108 219 663 364 154 74 4.1	48 134 348 693 337 197 170 4.1	113 262 1 029 1 335 791 335 395 4.0	215 401 762 701 497 228 193 3.7
PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use  0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Ladding complete plumbing for exclusive use 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	26 824 18 082 8 351 362 29 96 50 29 6	6 342 3 704 2 512 115 11 6 -	3 654 2 178 1 396 73 7 	4 551 3 043 1 454 48 6 10 5 5	8 685 6 424 2 194 67 - 35 14 10	3 592 2 733 795 59 5 45 31 14	12 503 8 316 3 817 281 89 468 226 209	2 058 1 402 598 53 5 16 10 6	1 696 1 081 590 12 13 17 13 -	1 908 1 260 573 48 27 19 13 6	4 148 2 776 1 251 95 26 112 56 37	2 693 1 797 805 73 18 304 134 160
PERSONS IN UNIT  1 person  2 persons  3 persons  4 persons  5 persons  6 or more persons  Medion  Total persons	3 737 9 035 4 986 5 411 2 451 1 300 2.64 79 669	499 1 629 1 230 1 844 743 403 3.35 21 573	469 961 676 892 403 253 3.09	419 1 319 1 039 1 058 490 236 3.02	1 445 3 655 1 518 1 288 580 234 2.30 22 760	905 1 471 523 329 235 174 2.12 8 788	5 569 3 700 1 830 1 149 449 274 1.75 26 525	827 594 304 209 85 55 1.85	686 550 263 139 49 26 1.81	832 519 278 191 73 34 1.75	1 712 1 214 690 375 181 88 1.84	1 512 823 295 235 61 71 1.49 5 914
UNITS IN STRUCTURE  1, detached or attached 2 3 and 4 5 to 9 10 to 49 50 or more Mobile home or trailer, etc.	22 915 796 158 114 101 40 2 796	4 976 145 54 15 44 4 1 110	2 379 80 42 24 7 10 1 112	3 989 53 6 9 8 12 484	8 214 367 26 27 6 - 80	3 357 151 30 39 36 14 10	4 779 2 038 1 642 1 725 1 560 545 682	353 245 315 423 367 274 97	269 145 318 241 296 144 300	657 347 270 152 265 45 191	2 123 901 441 437 207 69 82	1 377 400 298 472 425 13 12
SELECTED CHARACTERISTICS Heating equipment Steam or hot water system Centrol worm-oir furnoce or electric heat pump Other built-in electric units Floor, woll, or pipeless furnoce Other means Air conditioning Central system 1 or more individual room units House heating fuel Unitity gos Bottled, tonk, or LP gos Electricity Fuel oil, kerosene, etc. Other Income in 1979 below poverty level Percent below poverty level	26 913 1 682 21 719 1 026 821 1 665 10 904 4 880 6 024 26 913 23 226 784 2 041 361 501 1 423 5.3	6 348 203 5 123 706 61 255 2 477 770 6 348 4 512 190 1 486 22 138 243 3.8	3 654 85 3 285 79 54 151 1 879 1 167 712 3 654 3 143 210 165 75 61 234 6.4	4 561 353 3 950 79 77 102 2 128 990 1 138 4 561 4 165 148 126 69 53 242 5.3	8 713 724 7 016 90 281 602 3 405 777 2 628 8 713 8 303 126 154 32 98 367 4.2	3 637 317 2 345 72 348 555 1 015 169 846 3 637 3 103 110 110 163 151 337 9.3	12 948 1 899 6 784 1 286 967 2 032 2 397 1 506 2 891 12 948 10 399 344 1 884 1 198 1 43 2 688 20.7	2 074 303 1 057 629 17 68 1 316 517 799 2 074 1 149 47 47 844 14 20 382 18.4	1 713 319 1 023 256 51 64 1 003 389 614 1 713 1 240 84 375 8 6 303	1 927 289 1 212 125 94 207 797 338 459 1 927 1 606 60 236 4 21 347 18.0	4 260 460 2 322 199 482 797 816 184 632 4 260 3 753 77 308 89 33 838 19.7	2 994 528 1 170 77 323 896 465 465 78 387 2 994 2 651 121 83 63 818 27.3
HOUSEHOLD INCOME IN 1979 Less than \$5,000 \$5,000 to \$9,999 \$10,000 to \$12,499 \$15,000 to \$14,999 \$15,000 to \$19,999 \$20,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$30,000 to \$49,999 \$50,000 or more Median Median	1 687 3 070 1 595 1 800 4 244 4 348 5 751 2 913 1 512 \$21 137 \$24 097	250 310 282 405 1 119 1 246 1 554 806 376 \$23 273 \$26 365	223 392 218 207 621 552 806 412 223 \$21 472 \$24 349	256 398 206 232 612 673 1 154 602 428 \$24 156 \$28 228	491 1 122 587 685 1 330 1 515 1 735 853 402 \$20 434 \$23 036	467 848 302 271 562 362 502 240 83 \$14 359 \$17 246	2 906 3 170 1 487 1 212 1 805 1 087 817 315 1172 \$10 688 \$12 981	436 455 145 261 286 179 175 80 57 \$12 510 \$14 798	308 518 197 103 246 152 113 47 29 \$10 387 \$13 859	315 394 302 199 304 249 98 47 19 \$12 107 \$13 896	855 1 123 526 360 635 290 326 104 41 \$10 722 \$12 937	992 680 317 289 334 217 105 37 26 \$8 451 \$10 696

### 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 8]

	(	Owner-occupied h	ousing units				Re	nter-occupied	I housing units			•
The SMSA	Total	1 unit, detached or offoched	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or ottoched	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home ar troiler, etc.
Occupied housing units Condominium housing units	<b>26 920</b> 168	22 915 65	1 209 103	2 796	12 971 46	<b>4 779</b> 24	2 038	1 642	1 725 14	1 560 8	545	682 -
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER Married-couple families	20 604 855	18 040 523	669 17	1 <b>895</b> 315	4 253 948	2 188 345	<b>708</b> 228	<b>447</b> 128	<b>362</b> 116	261 46	<b>47</b>	240 79
15 to 24 yeors 25 to 34 yeors 35 to 44 yeors	5 032 4 491	4 332 4 139	141 105	559 247	1 474 623	833 367	231 78	149 68	122 38	56 24	Ξ	83 48
45 to 64 years65 years and over Male householder, no wife present	7 506 2 720 <b>2 067</b>	6 661 2 385 1 <b>524</b>	268 138 <b>247</b>	577 197 <b>296</b>	785 423 <b>3 653</b>	468 175 1 <b>152</b>	94 77 <b>467</b>	67 35 <b>46</b> 1	61 25 <b>653</b>	64 71 <b>553</b>	7 34 <b>126</b>	24 6 <b>241</b>
15 to 24 years 25 to 34 years 35 to 44 years	203 721 374	112 543 279	47 74 45	44 104 50	1 168 1 188 345	376 390 124	250 122 23	137 211	183 229 62	143 136	10 27 13	69 73 14 85
45 to 64 years65 years and over	458 311	356 234	45 47 34	50 55 43 <b>605</b>	639 313	156 106	64 8	55 38 20	99 80	54 173 47	24 52 <b>372</b>	_
Female householder, no husband present 15 to 24 years 25 to 34 years	4 249 118 561	3 351 50 414	293 25 14	605 43 133	5 065 1 408 1 206	1 439 320 426	863 268 224	20 <b>734</b> 264 135	<b>710</b> 267 168	<b>746</b> 206 157	372 27 12	201 56 84 36
35 to 44 years	601 1 464 1 505	501 1 159 1 227	35 79 140	65 226 138	424 840 1 187	163 286 244	60 152 159	64 151 120	40 96 139	61 118	33	4
65 years and over Median age YEAR HOUSEHOLDER MOVED INTO UNIT	46.0	46.3	51.3	41.3	32.0	32.8	29.2	30.0	29.1	204 <b>37.0</b>	300 <b>74.</b> 7	30.4
1979 to Morch 1980 1975 to 1978 1970 to 1974	4 550 8 977 4 456	3 536 7 246 3 727	276 415 157	738 1 316 572	7 665 3 402 979	2 573 1 278 376	1 340 452 121	1 096 367 113	1 038 463 159	859 497 135	282 195 49	477 150 26 17
1960 to 1969 1959 ar earlier	4 339 4 598	4 065 4 341	116 245	158 12	552 373	293 259	100 25	55 11	35 30	40 29	12 7	17 12
RODMS 1 raom 2 raams	34 130	23 56	17	11 57	541 1 033	63 144	6 111	38 182	118 238	134 263	182 83	12
3 roams 4 rooms 5 roams	616 4 025 6 661	374 2 710 5 250	44 318 304	198 997 1 107	2 738 4 181	663 1 189 1 184	532 789 354	353 694 295	407 610 233	522 444 153	213 58	48 397 165
6 rooms 7 or more rooms	4 629 10 825	4 055 10 447	244 282	330 96	1 102 983	722 814	169 77	60 20	80 39	30 14	Ė	41 19
Medion PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use	5.9 <b>26 824</b>	6.3 22 869	5.2 1 171	4.6 2 784	4.0 12 503	4.8 4 739	4.0 1 <b>992</b>	3.9	3.7 1 555	3.2 1 407	2.5 <b>539</b>	677
0.50 or less 0.51 to 1.00	18 082 8 351 362	15 565 6 999 294	937 215 19	1 580 1 137 49	8 316 3 817 281	2 986 1 584 130	1 298 636 58	1 074 482	1 120 393	1 091 277	318 221	429 224 18
1.01 to 1.50 1.51 or mare Lacking complete plumbing for exclusive use	29 <b>96</b>	11 46	38	18 12	89 <b>468</b>	39 <b>40</b>	46	26 12 48	26 16 170	23 16 1 <b>53</b>	- 6	6
0.50 or less	50 29 6	25 11 6	25 13	5	226 209	23 17	31 15 —	30 7	84 64 -	47 106	6 -	5 -
1.51 or moreBEDROOMS	11	4	-	7	33	-	-	11	22	-	-	-
None 1 2	45 864 7 433	28 597 5 493	131 548	11 136 1 392	764 4 071 5 764	71 1 028 1 949	29 739 1 007	78 591 892	153 693 776	238 705 575	195 284 66	31 499
3 4 5 or more	11 615 5 241 1 722	10 036 5 097 1 664	375 96 53	1 204 48 5	1 808 464 100	1 222 409 100	246 17 —	69 12 -	103	42 - -	=	126 26 -
HOUSEHOLD INCOME IN 1979 Less than \$5,000	1 687 3 070	1 332 2 358	65	290	2 906 3 170	887	415	353	414	472 498	254	111
\$5,000 to \$9,999 \$10,000 to \$12,499 \$12,500 ta \$14,999	1 595 1 800	1 201 1 434	220 125 109	492 269 257	1 487 1 212	906 573 455 754	459 256 231	492 131 96	506 191 210	159 146	171 28 22 29	138 149 52 91 83 33
\$15,000 to \$19,999 \$20,000 to \$24,999 \$25,000 to \$34,999	4 244 4 348 5 751	3 575 3 772 5 137	138 146 226	531 430 388	1 805 1 087 817	754 503 476	340 162 110	260 184 78	187 84 52	144 55 56 30	16	91 83 33
\$35,000 to \$49,999 \$50,000 or more	2 913 1 512	2 703 1 403	105 75	388 105 34	315 172	146 79	48 17 \$11 416	35 13	37 44	<del>.</del>	12 13	6 19
MeanSELECTED CHARACTERISTICS	\$24 097	\$21 949 \$25 064	\$17 949 \$22 440	\$16 883	\$12 981	\$14 919	\$12 834	\$12 578	\$12 079	\$8 061 \$9 602	\$8 228	\$14 621
Heating equipment Steam or hat water system Central warm-air furnace or electric heat pump	26 913 1 682 21 719	22 908 1 597 18 282	1 209 79 930	2 796 6 2 507	12 968 1 899 6 784	4 776 258 2 870	2 038 183 1 249	1 642 396 802	1 <b>725</b> 432 612	1 <b>560</b> 594 467	<b>545</b> 31 219	. 682 5 565
Other built-in electric units Floor, wall, or pipeless furnoce Other means	1 026 821 1 665	957 728 1 344	56 29 115	13 64 206	1 286 967 2 032	218 460 970	91 199 316	179 84 181	283 81 317	212 104 183	275 5 15	28 34 50
Air conditioning Central system	10 904 4 880	8 749 3 862	<b>570</b> 307	1 585 711	<b>4 397</b> 1 506	1 002 326	<b>468</b> 219	<b>657</b> 254	<b>539</b> 166	<b>824</b> 194	<b>521</b> 152	386 195
Vehicles available	26 298 6 091 20 207	<b>22 426</b> 4 784 17 642	1 168 384 784	2 704 923 1 781	11 008 6 091 4 917	4 408 1 934 2 474	1 <b>781</b> 999 782	1 409 916 493	1 366 878 488	1 146 861 285	237 207 30	661 296 365
House heating fuel Utility gas Bottled, tank, or LP gos Electricity	<b>26 913</b> 23 226 784	22 908 19 930 415	1 209 1 057 21	2 796 2 239 348	12 968 10 399 344	<b>4 776</b> 4 133 165	2 038 1 784 21	1 642 1 323 21	1 725 1 361	1 <b>560</b> 1 145	<b>545</b> 190	682 463 125 74
ruel oil, Kerosene, etc.	2 041 361	1 812 329	89 15	140 17	1 884 198	302 101	188 38 7	282	338 20	345 30	355 -	9
Other Water heating fuel Utility gos	501 <b>26 907</b> 22 321	422 <b>22 902</b> 19 425	27 1 209 1 022	52 <b>2 796</b> 1 874	143 12 944 10 145	75 <b>4 776</b> 4 018	2 038 1 736	16 1 629 1 222	1 725 1 368	34 1 <b>554</b> 1 088	545 259	677 454
8ottled, tonk, ar LP gas Electricity Fuel oil, kerasene, etc	696 3 847 21	394 3 056 21	21 158	281 633	433 2 290 39	138 602 13	51 251	66 332	21 <b>325</b> 11	44 399 6	286	113 95 9
Other Family householder	22 22 725 12 188	19 789	8 7 <b>92</b>	2 144	6 003	2 941	947	686 422	606	17 <b>399</b>	58	366
With awn children under 18 years With awn children under 6 years Female householder, no husband present With own children under 18 years	4 969 1 <b>739</b>	10 752 4 187 1 <b>450</b>	295 144 <b>78</b>	1 141 638 211	3 600 2 093 1 415	1 837 975 <b>606</b>	547 375 <b>203</b>	422 269 180	349 216 190	201 109 <b>123</b>	11	244 149 102 91
With own children under 18 years With own children under 6 years Honfamily householder	1 027 235 <b>4 195</b>	847 167 <b>3 126</b>	29 15 417	151 53 <b>652</b>	1 096 540 <b>6 968</b>	452 179 1 838	147 97 1 <b>091</b>	146 74 <b>956</b>	144 94 1 119	116 61 1 161	487	91 35 316
Percent below poverty level	1 <b>423</b> 5.3	1 115 4.9	71 5.9	237 8.5	2 688 20.7	917 19.2	351 17.2	375 22.8	<b>377</b> 21.9	<b>352</b> 22.6	167 30.6	149 21.8

### Table A=9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

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

	[Doto ore estima	les based on o s	ompie, see intro	Sauction. For mer	aning of symbols,	see introduction	n. For definition	is or terms, see	appendixes A d	no Bj	
The SMSA	Total	) person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
Owner-occupied hausing units Nonrelatives present	<b>26 920</b> 817	3 737	9 035 370	4 986 232	<b>5 411</b> 115	2 451 36	<b>887</b> 32	<b>292</b> 32	121	2.64 2.67	<b>79</b> 669 2 476
To a rooms	780 4 025 6 661 4 629 3 857 6 968 5.9	297 1 272 1 035 490 342 301 4.8	331 1 864 2 491 1 761 1 176 1 412 5.4	60 462 1 426 919 745 1 374 6.1	70 305 1 118 863 988 2 067 6.9	13 82 477 413 387 1 079 7.1	9 33 78 150 107 510 8.0	- 36 26 76 154 7.8	7 7 36 71 8.0	1.78 1.90 2.42 2.57 3.05 3.69	1 564 8 293 18 061 13 518 12 272 25 961
PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use 1.00 or less 1.01 to 1.50 1.51 or more Lacking complete plumbing for exclusive use 1.00 or less 1.01 to 1.50 1.51 ar more	26 824 26 433 362 29 96 79 6	3 708 3 708 - - 29 29 -	9 003 9 003 - - 32 32 -	4 981 4 975 6 - 5 5 -	5 406 5 336 59 11 5 5	2 438 2 356 76 6 13 - 6 7	883 767 111 5 4 - - 4	284 222 62 - 8 8	121 66 48 7 - -	2.64 2.60 5.86 5.08 2.09 1.83 5.00 5.29	79 390 77 239 1 996 155 279 184 35 60
UNITS IN STRUCTURE  1, detoched or attached  2 or more  Mobile home or trailer, etc	22 915 1 209 2 796	2 813 372 552	7 553 458 1 024	4 339 143 504	4 797 124 490	2 220 61 170	834 22 31	255 19 18	104 10 7	2.75 2.01 2.33	68 565 3 231 7 873
VALUE  Specified owner-occupied housing units  \$10,000 to \$10,999 \$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 \$60,000 to \$79,999 \$100,000 to \$149,999 \$150,000 or	20 726 114 489 1 097 1 986 3 997 4 874 5 181 1 719 1 026 243 \$54 700	2 567 55 152 279 557 602 406 335 95 69 17 \$44 300	6 871 43 224 515 788 1 468 1 600 1 564 354 221 94 \$52 100	3 886 55 147 252 819 983 1 045 342 212 31 \$55 800	4 355 9 26 53 207 689 1 142 1 339 511 326 53 \$60 500	2 015 7 32 73 129 285 459 574 303 129 24 \$60 700	728 - - 24 39 88 181 244 75 53 24 \$62 100	207 	97 	2.74 1.55 1.91 2.02 2.05 2.45 2.94 3.16 3.63 3.53 2.84	61 426 215 957 2 335 4 315 10 411 15 586 16 960 6 129 3 650 868
SELECTED CHARACTERISTICS All Income levels in 1979 Median income Median selected monthly owner costs as percentage of	<b>26 920</b> \$21 137	<b>3 737</b> \$9 739	9 035 \$19 896	<b>4 986</b> \$22 650	<b>5 411</b> \$24 796	2 451 \$26 305	<b>887</b> \$25 417	<b>292</b> \$29 167	121 \$25 078	2.64	79 669 
hausehold income	17.7 20.9 10— 1 423 \$2 906	21.9 30.8 16.4 <b>447</b> \$2500—	14.1 20.2 10— <b>338</b> \$3 179	17.7 20.2 10— <b>209</b> \$3 034	19.7 20.6 10— <b>235</b> \$3 467	19.0 20.1 10— 103 \$4 766	20.1 20.8 10— 62 \$3 571	16.1 17.2 10— 22 \$6 250	23.9 23.9 7 \$11 250	2.28	
household income	50+ 50+ 36.7	48.7 50+ 38.5	36.5 50+ 29.5	50+ 50+ 50+	50 + 50 + 50 +	50+ 50+ 50+	50+ 50+ -		45.0 45.0		:::
Renter-occupled housing units Nanrelatives present ROOMS	12 971 1 752	5 569 -	<b>3 700</b> 1 165	1 <b>830</b> 344	1 149 175	<b>449</b> 35	1 <b>32</b> 7	<b>97</b> 26	45	1.75 2.25	26 525 4 198
1 room	541 1 033 2 738 4 181 2 393 1 102 983 4.0	480 858 1 839 1 535 615 149 93 3.3	30 131 719 1 493 863 232 232 4,1	23 26 110 691 496 280 204 4.6	8 18 42 372 264 243 202 5.0	21 73 88 90 177 6.0	- - 13 38 47 34 5.8	 7 4 18 48 20 5.9	- - - 11 13 21 6.4	1.06 1.10 1.24 1.87 2.17 3.11 3.32	612 1 275 3 973 8 422 5 567 3 444 3 232
PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbling for exclusive use 1.00 or less 1.01 to 1.50 1.51 or more 1.00 or less 1.00 to 1.50 1.51 or more	12 503 12 133 281 89 468 435 - 33	5 227 5 227 - - 342 342 - -	3 632 3 612 - 20 68 58 - 10	1 795 1 757 26 12 35 24 -	1 138 1 070 42 26 11	437 355 73 9 12 - - 12	132 81 51 - - - -	97 20 66 11  	45 11 23 11 - -	1.78 1.73 5.49 3.98 1.18 1.14	25 846 23 846 1 556 444 679 574 -
UNITS IN STRUCTURE  1, detached or attached 2	4 779 2 038 1 642 1 725 1 560 545 682	1 370 820 723 922 1 051 477 206	1 398 666 491 486 358 62 239	861 275 291 192 80 6	644 201 106 77 47  74	311 23 27 40 24	94 32 - - - - 6	70 7 4 8 - - 8	31 14 - - - -	2.23 1.80 1.70 1.44 1.24 1.07 2.06	11 996 4 165 3 065 2 907 2 286 577 1 529
Specified renter-occupied housing units 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 Medion  SELECTED CHARACTERISTICS	12 504 883 1 280 2 230 2 570 1 955 1 632 640 576 241 497 \$229	5 410 721 853 1 295 1 162 597 359 102 62 62 197 \$191	3 579 105 268 610 850 677 510 198 129 45 187 \$242	1 742 39 86 183 330 362 403 116 134 40 49 \$276	1 083 13 55 76 165 234 225 96 152 35 32 \$296	421 5 6 33 47 48 89 77 66 23 27 \$333	127 - 6 33 8 9 12 18 16 20 5	97 	45 	1.74 1.11 1.25 1.36 1.64 2.06 2.40 2.67 3.22 2.84 1.78	25 336 1 109 2 030 3 861 4 950 4 482 3 880 1 626 1 546 812 1 040
All income levels in 1979  Median income Median grass rent as percentage af hausehold income Income in 1979 below poverty level Median income Median grass rent as percentage of household income	12 971 \$10 688 25.3 2 688 \$3 303 50+	5 569 \$7 636 27.6 1 186 \$2500— 50+	3 700 \$12 862 23.0 616 \$3 675 50+	1 830 \$13 349 24.8 411 \$4 178 50+	1 149 \$14 796 25.3 306 \$4 299 50+	\$16 914 22.4 <b>76</b> \$4 259 50+	\$18 194 23.5 38 \$4 833 37.1	\$20 521 25.6 31 \$8 565 50+	\$11 875 37.7 24 \$9 167 50+	1.75  1.76 	26 525  

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 appendixes A and B]

	Median	46.0	60.2 57.7 42.8 37.3 39.2 41.1	38.5 38.5 38.3	!	######################################	32.0	28.0 28.0 33.3 33.8 33.8 33.8	31.9 35.0 23.0	29.3.7.7.8.8.8.9.9.7.7.8.8.9.9.9.9.9.7.7.8.8.9.9.9.9
	ond over	1 505	1 250 221 221 23 111 1 752	1 498		25 8 4 2 1 4 8 8 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1 187	1 150 28 8 1 1.02	1 151 1 36	1 160 200 200 200 174 243 243 243 243 243 243 243 243 243 24
no husband present	45 to 64 years	1 464	773 380 205 61 23 23 1.45 2 621	1 451		28.2 28.2 28.2 28.2 28.2 28.3 28.3 28.3	3	568 76 78 33 33 1 124 1 429	84 1 1	813 105 105 105 107 47 47 194 36 86 86 87 87 87 87 87 87 87 88
	35 to 44 years	3	115 137 213 67 64 54 15 15 1 689	2,411	;	<b>25</b>	424	152 88 E 25 C C C C C C C C C C C C C C C C C C	409 21 15 15	419 46 46 59 65 65 41 87 87 87
Female householder,	years	199	187 123 168 77 77 6 2.26	198		25.25 26.25 27.25 27.25 27.25 26.25 27.25 26.25	1 206	579 231 272 82 87 27 1.60 2 4%	1 187 19 19	1 175 1 178 1 178 1 178 1 183 2 81 2 81 2 81 2 81 2 81
	years	118	35 24 1.86 246	£ ' ' '	3	25 26 100 100 100 100 100 100 100 100 100 10	1 408	657 559 148 44 2 2 287	1 357 26 51 51 10	1 400 109 177 177 177 88 88 498 498 65 65
	ond over	33	246 52 5 5 1.13 400	294		22 23 34 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	313	271 34 8 8 1.08	256	276 376 377 377 377 377 377 377 377 377
present	45 To 64 years	458	328 96 1.20 663 663	458		25.00 25.00	689	529 76 17 17 9 9 1.10	207	<b>62</b> 262 262 262 263 268 268 268 268 268 268 268 268 268 268
	years	374	226 70 22 22 1.33 670	374		25.27 7.27 7.27 7.27 7.27 7.27 7.27 7.27	35	23 74 122 122 122 132	34 3	33 104 228 228 23 118 189 189 189
Mole househ	years	121	258 288 288 281 1.28 1.37	127		25.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	1 188	808 277 41 54 54 1.24 1.24	1118	1 153 252 219 219 219 105 90 143 80 25 25 25 25 25 143
	years	203	109 38 1.43 331	203		23.8 23.8 0 - 1 - 1 - 1 - 5.5	1 168	607 432 103 123 144 1 801	1 103 19 65 7	1 158 178 179 179 147 110 110 160 52 25.2
45 10000	and over	2 720	2 411 247 56 6 6 6 7.06 5 758	2 693 27 27		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	423	389 280 100 100 100 100 100 100 100 100 100 1	, 417 6 6 1	<b>2</b> 428428848
. 4	years	7 506	3 582 1 789 1 188 360 2.60	7 492 107 14 4		2.348.4.2.3.4.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3	785	392 173 173 2,50 2,50 2,172	769 22 16 -	716 228 149 80 80 75 75 26 82 82
1 K	years	4 491	349 637 1 767 1 097 641 19 487	4 478 135 13		3 4 53 1 1 003 1 1 003 1 2 6 3 3 4 6 4 2 1 0 0 4 2 1 0	623	88 145 165 109 116 3,98 2 654	623 120 -	589 135 96 86 86 17 17 73 73 48 22.3
Marrier 25 to 24	years	5 032	948 1 233 1 978 632 241 3.67 18 660	5 027 113 5		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 474	432 396 406 203 37 37 4 803	1 462 75 12	1 389 347 325 198 198 110 112 99 17
15 to 24	years	855	397 278 147 27 27 6 2.61 2.61	855 12 1		25.0 25.0 25.0 25.0 33.3 33.3 33.0 10	948	489 309 136 14 14 2.47	931 15 17 4	919 88 164 114 116 88 88 129 25,3
	Total	26 920	3 737 9 035 4 786 5 4 786 2 4 51 1 300 1 2 669	26 824 391 96 17		25.05 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12 971	5 569 3 700 1 830 1 149 449 274 26 525	12 503 370 468 33	12 504 2 100 2 100 1 836 1 408 925 2 121 619 25.3
The SMSA		Owner-occupied housing units	PERSONS IN UNIT  2 persons 2 persons 3 persons 5 persons 5 persons 6 persons 7 persons	PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use 1.01 or more persons per room Lacking complete plumbing for exclusive use 1.01 or more persons per room	MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979	With a mortgage less than 15 percent 15 to 19 percent 30 to 24 percent 30 to 42 percent 40 to computed 40 to mortgage 40 to mortgage 40 to mortgage 40 to 10 to 14 percent 15 to 19 percent 25 to 29 percent 30 to 24 percent 30 to 24 percent 30 to 34 percent	Renter-occupied housing units	Persons 2 persons 3 persons 4 persons 5 persons 5 persons 6 more persons Medium Total persons	PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use	GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979 Specified entire-completed housing units. Specified housing units. Specifie

## 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]

				Mole hous				on. For definite		Female hou			
The SMSA	Total	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	3 737	1 373	109	464	226	328	246	2 364	39	187	115	773	1 250
PLUMBING FACILITIES Complete plumbing for exclusive use Lacking complete plumbing for exclusive use	3 708 29	1 364 9	109	464	22 <u>6</u>	328	237 9	2 344 20	39	187	115	760 13	1 243 7
UNITS IN STRUCTURE  1, detoched or othoched  2 or more  Mobile home or troller, etc.	2 813 372 552	1 024 172 177	64 23 22	353 52 59	177 33 16	247 38 43	183 26 37	1 789 200 375	15 12 12	122 5 60	77 21 17	551 62 160	1 024 100 126
HOUSEHOLD INCOME IN 1979 Less than \$5,000	881 1 034	260 204	17 13 12	70 43	6 15	58 58	109 75	621 830		33 32 38 59	12 38 19	137 283	439 438
\$10,000 to \$12,499 \$12,500 to \$14,999 \$15,000 to \$19,999 \$20,000 to \$24,999	368 399 415 345	69 148 243 214	28 15 12	43 23 88 118 55	10 6 61 58 35	11 14 35 72	13 12 14 17	299 251 172 131	=	59 25	5 23 13	. 138 82 69 53	438 104 105 55 65 27
\$25,000 to \$34,999 \$35,000 to \$49,999 Median	160 52 83 \$9 739 \$13 453	123 40 72 \$15 107 \$19 678	5 7 \$13 616 \$17 853	42 11 14 \$15 426 \$17 216	5 30 \$20 915 \$36 538	24 15 \$16 983 \$19 823	5 745 \$5 745 \$9 445	37 12 11 \$8 168 \$9 837	\$7 321 \$7 519	\$11 875 \$11 056	\$10 987	5 - 6 \$9 308	\$6 860 \$9 033
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS	\$13 453	\$19 678	\$17 853	\$17 216	\$36 538	\$19 823	\$9 445	\$9 837	\$7 519	\$11 056	\$12 241	\$10 601	\$9 033
Specified owner-occupied housing units With a mortgage Less than \$200	2 567 1 163 134	925 637 65	59 54 15	328 292 21	161 143 9 14	196 131 20	181 17 - 11	1 642 526 69	15 15 -	116 103 -	77 62 7	490 227 51	944 119 11
\$200 to \$249 \$250 to \$299 \$300 to \$349 \$350 to \$349	146 133 213 126	70 37 103 77	14	14 63 27	18	34 5 20	6	76 96 110 49	- - 7	13 35 21	18 33 -	48 34 25 21	24 31 17 -
\$400 to \$499 \$500 to \$599 \$600 to \$749 \$750 or more	229 132 22 28	175 72 16 22	7 7 - -	114 43 3	19 22 13 9	35 - - 6	-	54 60 6 6	8 -	21 7 6	=	20 22 -	5 31 -
Median Not mortgaged Less than \$50	\$340 1 <b>404</b> 39	\$378 <b>288</b> 24 57	\$304 5 - 5	\$420 <b>36</b> 17	\$389 18	\$316 65	\$239 164 - 7 31	\$310 1 116 15	\$403 _ _	\$358 13 -	\$303 15	\$271 263	\$290 <b>825</b> 15
\$50 to \$74	231 423 314 195	109 44 25 17	- - -	13 6	8 -	11 8 22 19	80 22 -	174 314 270 170	=	- - 8	7 - -	26 55 75 39	140 252 195 123
\$150 to \$199 \$200 to \$249 \$250 or more	110 60 32 \$101	17 12 - \$89	\$63	- - \$77	- - \$72	5 - \$115	12 12 - \$89	93 48 32 \$105	=	5 - - \$145	- - \$73	31 , 24 13 \$117	123 57 24 19 \$101
SELECTED CHARACTERISTICS Median selected monthly owner costs as percentage of household income in 1979	21.9	22.9	16.8	29.0	17.7	17.2	20.4	21.4	50+	35.7	21.6	22.4	19.5
With a mortgage Not mortgaged Income in 1979 below poverty level Percent below poverty level	30.8 16.4 <b>447</b> 12.0	27.2 13.3 <b>134</b> 9.8	18.6 10— <b>6</b> 5.5	29.8 10— <b>56</b> 12.1	18.8 10 6 2.7	18.9 10— <b>41</b> 12.5	50+ 18.4 <b>25</b> 10.2	35.5 17.0 <b>313</b> 13.2	50+ - - -	36.0 19.1 12 6.4	23.8 15.3 —	33.8 14.5 112 14.5	46.4 17.9 189 15.1
Renter-occupied housing units	5 569	2 454	607	808	239	529	271	3 115	657	579	161	568	1 150
PLUMBING FACILITIES Complete plumbing for exclusive use Lacking complete plumbing for exclusive use	5 227 342	2 172 282	556 51	738 70	205 34	459 70	214 57	3 055 60	639 18	573 6	161	568	1 114 36
UNITS IN STRUCTURE  1, detoched or attached	1 370 820 723	709 249 278	182 129 57	229 59 134	74 6 42	127 55 38	97 - 7	661 571 445	85 132 116	163 147 50	44 23 48	147 118 111	222 151 120
5 to 9	922 1 051 477 206	492 484 116 126	135 84 _ 20	134 182 136 27 41	41 49 13 14	66 168 24 51	68 47 52	430 567 361 80	136 134 27 27	96 100 7 16	8 26 - 12	58 103 27 4	132 204 300 21
HOUSEHOLD INCOME IN 1979 Less than \$5,000	1 881 1 677	631 613	148	123 173 166	30 80	141 93	189 47	1 250 1 064	273 274	81 234 104	41	234 143	
\$10,000 to \$12,499 \$12,500 to \$14,999 \$15,000 to \$19,999 \$20,000 to \$24,999	665 467 469 229	338 199 358 169	220 75 37 87 27	166 88 168 49	13 28 38 21	78 41 53 65	6 5 12 7	327 268 111 60	38 50 6	104 94 59	63 26 18 13	143 73 47 15 37	621 350 86 59 18 16
\$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or more	86 63 32	80 47 19	6	22 13 6	15 8 6	31 20 7	5 - -	6 16 13	9	7	=	6 - 13	-
Median Mean GROSS RENT	\$7 636 \$9 248	\$9 869 \$11 289	\$8 740 \$9 606	\$11 627 \$12 255	\$11 827 \$14 329	\$10 978 \$13 142	\$4 031 \$5 882	\$6 349 \$7 640	\$5 754 \$6 815	\$9 541 \$9 698	\$8 848 \$8 615	\$6 761 \$9 353	\$4 768 \$6 092
Specified renter-occupied housing units Less than \$100 \$100 to \$149	5 410 721 853	2 361 335 364	602 13 92	<b>780</b> 82 78	227 21 44	518 108 136	234 111 14	3 049 386 489	657 12 120	<b>557</b> 78	161 5 13	551 79 95	1 123 290 183
\$150 to \$199 \$200 to \$249 \$250 to \$299 \$300 to \$349	1 295 1 162 597 359	582 508 260 138	218 166 33 47	222 171 129 43	22 64 49 9	90 72 38 25	30   35   11   14	713 654 337 221	155 217 52 61	174 159 89 38	40 45 20 7	111 103 65 48	233 130 111 67
\$350 to \$399 \$400 to \$499 \$500 or more No cosh rent	102 62 62 197	49 15 35 75	15 10 8	27 9 12 7	6	7 - 13	-	53 47 27	10 9 7	6 6 7	14 17 -	48 13 6 7	67 10 9 6
Medion	\$191	\$191	\$195	\$201	\$220	29 \$151	19 \$95	\$192 \$192	14 \$206	\$207	\$228	24 \$186	\$157
Income in 1979 below poverty level	27.6 1 186 21.3	23.7 374 15.2	28.5 82 13.5	22.6 61 7.5	18.0 15 6.3	17.2 99 18.7	33.6 117 43.2	30.9 812 26.1	44.2 197 30.0	25.2 69 11.9	36.1 34 21.1	27.8 180 31.7	29.7 332 28.9

### 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									-	
ROOMS	The SMSA	Total			6 or more months	The SMSA	Total			
1   1   2   2   6   4   7   1   1   1   1   1   1   1   1   1	Vacant for sale only housing units	549	151	223	175	Vacant for rent housing units	1 366	836	355	175
A comms	ROOMS					ROOMS				
Second		22	6	4	12			23	21	11
Tooms	5 rooms	137	26	76	35	3 rooms	360	l 207 l	82 82	71
Median	7 rooms	76	8	34 34	34		462 241		164 18	45
PLUMBING FACILITIES   Complete plumbing for exclusive use		98 5.8		25 5.5			86 39	47 25		11
Complete plumbing for exclusive use	PLUMBING FACILITIES					The same of the sa	3.8	3.9	3.8	3.3
None		537	151	223						
None		12	_	-	12	Complete plumbing for exclusive use	1 294 72			
18						BEDBOOMS				
24	]	18	- 6	4 -	12		55		21	,,
VEAR STRUCTURE BUILT   775 to Morch 1980		267	56 68	113	86	]	516	318	115	83
YEAR STRUCTURE BUILT		76 24		28 5		3	196	137	32	27
1960 to 1969	YEAR STRUCTURE BUILT						31 8	18	13	=
1960 to 1969		324	50		104	YEAR STRUCTURE BUILT				
1949 to 1949   92	1960 to 1969	45	26	5	14					12
1940 to 1949   1949	1940 to 1949	29	15	10	4	1960 to 1969	94	62	13	19
1, detached or ottoched	1939 or earlier	43	13	13	17	1940 to 1949	265	144	47	74
2 or more						1939 ar earlier	386	228	118	40
HEATING EQUIPMENT		477 37	9	22		UNITS IN STRUCTURE				
Central heating system		35	17	18	-			272	104	78
Centrol nearing system   S29   143   213   167   10 to 49   160   131   23   6   50 or more   26   26   26   2   6   16   16   16	HEATING EQUIPMENT					3 and 4	193	112	51	30
Name			145		167 8	10 to 49	160	131		
Specified vocant for sale only housing units			-	- '-	-	Mobile home or troiler		26 67	40	16
Specified vecant for sale only housing units	PRICE ASKED					RENT ASKED				
\$10,000 to \$19,999		459	111	183	165		1 366	834	355	175
\$40 000 to \$49,999	\$10,000 to \$19,999	13	6	7	-	Less than \$100	118	54	28	36
\$50,000 to \$59,999	\$30,000 ta \$39,999	24	3		10	\$150 to \$199	364	211	104	49
\$60,000 to \$79,999	\$50,000 to \$59,999	78	16	37	25	\$250 to \$299	323	201	91	31
\$100,000 or more\$194 \$204 \$198 \$146	\$60,000 to \$79,999	53		84		\$400 or more	35	28	7	-
Megign \$60 100   \$04 200   \$09 300   \$75 700		\$65 100	\$54 200	\$59 300	17 \$75 700	Median	\$194	\$204	\$198	\$146

## 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]

			ж	, 000 11111000				modection. 70			- оррожение			
		Price osked	Specified	vocant far s	ale only hav	sing units			Rent oske	d—Specified	vacant for	rent housing	units	
The SMSA	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 (dallars)
Total	459	-	25	105	308	21	65 100	1 366	118	595	550	68	35	194
PLUMBING FACILITIES														
Complete plumbing for exclusive use Locking complete plumbing for exclusive use	451 8	=	17 8	105	308	21 —	65 500 26 300	1 294 72	80 38	567 28	544 6	68	35 -	200 95
BEDROOMS														
Nane	4 18 92 245 76	=	14 4 7	4 - 32 59	- 4 52 169 64	- 4 10 7	42 500 25 900 52 100 65 100 74 600	55 516 560 196	26 55 26 11	23 346 152 66	6 94 345 95 10	9 33 20	12 4 4 15	142 161 225 218 396
5 or more YEAR STRUCTURE BUILT	24	=	-	5	19	<u>-</u>	78 900	8	-	. 8	-	-	-	155
1975 to March 1980	275 28 40 52 25 39	=	11 - 14 -	29 7 3 19 15 32	214 21 37 19 10 7	21 - - - -	68 700 70 600 76 000 45 000 47 500 45 500	240 188 94 193 265 386	- - 7 - 35 76	36 29 34 103 142 251	190 125 34 85 72 44	14 19 11 5 4 15	15 8 - 12 -	276 257 209 191 169 153
UNITS IN STRUCTURE														
1, detached or attached 2 or mare Mabile hame ar trailer	459	:::	25 	105	308	21	65 100	. 454 789 123	64 54 -	210 332 53	131 357 62	30 30 8	19 16 -	163 203 208

## Table B-1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based an a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

	[Data are estimat	es based an	a sample, see	e Introduction	. For meanin	g of symbols,	see Introduc	tion. For det	initions of ten	ms, see appen	dixes A and 8		
Billings city	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 ta \$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 awner-occupied housing units	13 589	44	275	707	1 276	2 763	3 322	3 438	1 054	574	136	54 500	59 000
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER Married-couple families  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  15 to 24 years  25 to 34 years  25 to 34 years  25 to 34 years  35 to 44 years  25 to 34 years  35 to 44 years  35 to 44 years  35 to 42 years  35 to 44 years  35 to 49 years  45 to 69 years and over  Median age	10 248 277 2 225 2 015 4 107 1 624 884 91 304 173 159 157 2 457 34 320 3355 851 897 49,3	15 	136 	371 38 38 25 164 161 125 40 8 8 28 28 27 211 6 87 90 62.7	718 34 81 37 307 259 109 20 6 23 14 44 449 - 8 8 208 59,8	1 922 1111524 258 686 686 343 158 27 81 6 6 6 32 21 683 21 9 119 252 232 49.0	2 688 788 708 578 1 008 316 175 33 70 12 41 19 459 - 62 81 1190	2 853 511 662 645 1 143 352 208 6 79 93 30 - - - - - - - - - - - - - - - - - -	937 	507 -59 149 258 41 22 -8 14  45  10  12 23 48.5	101 	57 000 49 300 56 300 63 400 58 500 48 800 49 600 51 100 64 400 48 800 47 100 43 600 49 400 49 400 40 400 40 400 40 400	61 700 50 800 59 900 70 700 63 500 50 600 51 500 51 300 51 600 64 600 50 100 45 100 45 100 45 100 45 800 51 800 51 800 51 800
YEAR HOUSEHOLDER MOVED INTO UNIT 1979 to March 1980 1975 to 1978 1970 to 1974 1960 to 1969 1959 or earlier	1 837 3 675 2 234 2 801 3 042	- 7 7 30	9 22 40 33 171	51 93 93 143 327	126 217 166 241 526	386 700 375 612 690	433 928 637 725 599	585 1 080 566 680 527	114 431 237 192 80	98 177 95 137 67	35 27 18 31 25	57 800 58 700 56 100 54 100 47 100	63 800 63 400 60 700 59 200 49 200
ROOMS 1 to 3 rooms	266 1 500 3 124 2 291 2 091 4 317 6.3	29 15 - - - 4.3	35 77 101 20 13 29 4.8	77 265 208 86 51 20 4.6	59 378 398 221 140 80 5.0	27 405 1 055 566 361 349 5.4	58 225 733 671 695 940 6.5	6 94 549 593 622 1 574 7.3	20 60 118 136 720 8.5	4 7 5 16 73 469 8.5+	- - - 136 8.5+	32 800 40 000 48 100 53 500 56 500 69 900	37 000 40 300 48 200 54 700 60 000 76 400
BEDROGMS Nane	12 385 3 311 5 621 3 210 1 050	7 37 - - -	51 138 52 27 7	113 413 146 29 6	109 656 382 109 20	58 1 033 1 337 264 71	6 30 612 1 525 956 193	6 342 1 611 1 122 357	13 63 386 388 204	- 4 17 160 239 154	- - 22 76 · 38	62 500 32 400 44 000 54 800 63 300 75 800	62 500 34 800 44 200 58 600 70 700 80 100
YEAR STRUCTURE BUILT 1975 to March 1980 1970 to 1974 1960 to 1969 1950 to 1959 1940 to 1949 1939 or earlier	1 712 983 2 649 4 449 1 730 2 066	7 7 15 -	- 13 40 65 157	8 - 6 199 200 294	32 32 93 396 339 384	158 92 400 1 083 523 507	256 218 814 1 384 288 362	675 397 852 1 037 217 260	336 147 267 205 63 36	185 78 166 71 35 39	62 12 31 19 -	70 700 66 000 59 900 52 900 45 800 43 400	78 800 71 400 65 900 55 000 47 700 45 600
HOUSEHOLD INCOME IN 1979 Less than \$5,000. \$5,000 to \$9,999 \$10,000 to \$12,499 \$12,500 to \$14,999 \$15,000 to \$24,999 \$25,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$34,999 \$50,000 or \$34,999 \$50,000 or \$70,000 to \$84,999	690 1 569 721 806 1 917 2 175 3 178 1 636 897 \$22 328 \$25 425	15 15 - 7 7 7 - - \$7 500 \$9 626	49 90 41 36 36 4 12 7 - \$9 925 \$11 506	108 212 71 54 136 89 14 7 16 \$11 180 \$13 516	116 331 98 132 123 179 180 62 55 \$14 261 \$19 589	98 433 224 232 556 457 576 149 38 \$18 734 \$19 594	91 227 128 151 695 919 395 \$95 \$22 789 \$24 179	131 219 106 158 362 608 997 596 261 \$26 068 \$28 208	41 33 45 24 43 81 320 289 178 \$32 584 \$38 036	30 6 8 19 33 55 139 104 180 \$34 762 \$44 919	11 3 - - 21 27 74 \$54 570 \$73 889	46 100 43 400 46 700 48 200 51 400 54 900 58 600 66 300 79 200	50 700 44 100 48 800 49 600 52 200 56 600 63 400 70 900 90 700
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979 With a mortgage Less than 15 percent 15 to 19 percent 25 to 29 percent 30 to 34 percent 35 percent armore Naf computed Median Not mortgaged Less than 10 percent 10 to 14 percent 15 to 19 percent 25 to 29 percent 35 percent armore Not mortgaged Less than 10 percent 10 to 14 percent 15 to 19 percent 25 to 29 percent 35 percent armore Not mortgaged Not mortgag	9 805 3 209 1 646 1 501 1 133 753 1 505 58 20.1 3 784 1 924 817 490 241 126 51 135	7	38 38 13	215 53 34 26 26 23 47 62 23.4 492 200 104 90 55 14 8 21	552 227 1048 53 33 36 6 17.2 724 308 170 136 67 23 12 12 18	1 944 527 371 307 268 166 300 5 5 21.2 819 373 231 104 41 123 14 33 	2 737 982 538 352 278 240 336 111 8.5 585 367 105 37 54 10	2 838 943 373 461 329 196 512 244 21.0 600 376 88 58 18 27 17 16 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	926 282 152 192 124 4 130 20.8 128 7 75 7 55 19 5 6 6 6 17 17	455 145 622 93 45 39 65 20.9 119 68 22 15	93 37 12 18 6 20 19.0 43 33 5 5 5 10 - 10 -	57 600 57 600 54 800 55 800 57 800 55 700 59 200 60 300 43 200 43 200 43 200 43 200 44 600 47 000 47 000	62 700 63 000 61 000 66 000 62 300 59 500 62 400 62 000 49 300 45 400 44 600 42 300 42 000 49 200 56 500
SELECTED CHARACTERISTICS Complete plumbing for exclusive use	13 589	44	275	707	1 276	2 763	3 322	3 438	1 054	574	136	54 500	59 000
1.01 or more persons per room  Lacking complete plumbing for exclusive use 1.01 or more persons per room  Heating equipment Central heating system Air conditioning Central system Income in 1979 below poverty level Percent below poverty level	120 - 13 582 13 025 5 775 2 340 510 3.8	- 44 36 7 - 15 34.1	275 194 92 29 34 12.4	707 564 192 14 74 10.5	19 - 1 276 1 149 459 21 49 3.8	2 763 2 673 984 218 82 3.0	53 - 3 315 3 251 1 535 418 95 2.9	3 438 3 407 1 375 714 102 3.0	1 054 1 041 643 492 33 3.1	574 574 364 323 20 3.5	136 136 124 111 6 4.4	50 000 	47 900 

### 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 8]

	[Data dia azimot	es based on a	Scripie, see ii	inodoction. To	inediality of a	symbols, see it	modelion, re	or definitions of	Terms, see of	pendixes A on	0 0)	
Billings 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	9 979	790	1 085	1 935	1 977	1 542	1 236	492	483	161	278	223
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER Married-couple families 15 to 24 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and aver Male householder, no wife present	2 954 730 991 364 553 316 2 871 926	56 11 15 13 6 11 314 24	157 36 34 11 38 38 379 116	347 90 99 56 56 46 672 251	494 190 124 49 78 53 566 216	606 204 239 37 73 53 394 145	583 148 213 88 97 37 236 95	273 26 137 18 60 32 90 38	272 8 104 64 83 13 115	83 6 18 22 22 15 33	83 11 8 6 40 18 72 28	282 258 296 307 303 251 203
15 to 24 years	1 164 940 346 715	75 13 96 106 <b>420</b> 29 33 23 64 271	76 45 109 33 <b>549</b> 152 101 58	252 49 90 30 916 259 226 55	178 61 76 35 917 348 243 71 134	182 19 37 11 <b>542</b> 146 168 44 81	84 18 25 14 417 158 82 46 64 67	47 - 5 - 129 33 34 14 38	74 20 8 - 96 13 38 24 6	12 8 13 - 45 7 10 3 19	8 17 19 123 19 5 8	258 296 307 303 251 203 209 222 210 173 104 206 217 218 201 160
65 years and over	989 31.7	271 64.6	152 <b>38.3</b>	189 <b>29.6</b>	121 <b>28.0</b>	103 <b>28.7</b>	67 30.0	10 32.0	15 <b>34.7</b>	43.2	36 55 <b>61.3</b>	160
YEAR HOUSEHOLDER MOVED INTO UNIT 1979 to March 1980 1975 to 1978 1970 to 1974 1960 to 1969 1959 or earlier	5 991 2 576 761 411 240	303 307 138 34 8	586 295 118 61 25	1 112 546 145 70 62	1 260 480 106 114 17	997 408 77 49 11	886 252 66 25 7	317 103 57 10 5	348 119 16 -	139 10 6 -	43 56 32 48 99	236 212 183 207 187
ROOMS 1 room	508 903 2 341 3 154 1 703 763 607 3.9	176 216 262 69 57 6	118 226 418 200 88 18 17 3.0	92 269 775 530 178 53 38 3.3	39 116 606 744 327 96 49 3.8	16 31 144 789 381 144 37 4.2	9 36 53 583 322 148 85 4.4	- 7 707 152 131 95 5.4	9 - 11 49 123 147 144 5.8	36 9 7 17 10 17 65 5.6	13  58 66 65 3 73 4.5	130 152 184 250 274 321 369
PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979 All income levels in 1979 Complete plumbing for exclusive use 0.50 or less 0.51 to 1.00	9 979 9 562 6 440 2 858	<b>790</b> 608 469 132	1 085 944 651 277	1 935 1 889 1 309 506	1 977 1 952 1 419 504	1 542 1 542 1 034 488	1 236 1 236 777 397	<b>492</b> 484 271 189	483 483 222 252	161 161 72 82	278 263 216 31 13	223 228 221 249
1.01 to 1.50	201 63 417 197 187 - 33	7 182 66 116	12 4 141 85 42 - 14	63 11 46 23 4 - 19	21 8 25 10 15 -	20 - - - - -	39 23 - - - - -	24 - 8 8 - -	9 - - - - -	7 - - - -	13 3 15 5 10 -	228 221 249 244 262 103 111 86
Income in 1979 below poverty level  Complete plumbing far exclusive use  1.01 or more persons per room  Locking complete plumbing for exclusive use  1.01 or more persons per room  BEDROOMS	2 200 2 060 128 140 21	<b>403</b> 345 7 58	324 265 10 59 14	487 473 53 14 7	381 372 12 9	228 228 14 -	189 189 18 - -	52 52 14 - -	<b>52</b> 52	12 12 - - -	<b>72</b> 72 - - -	185 191 198 104 111
None	713 3 463 4 349 1 103 301 50	204 468 91 23 4	211 589 209 58 18	171 1 164 521 62 17	39 863 971 67 30 7	21 199 1 168 129 25 -	9 79 894 207 34 13	14 214 224 35 5	9 6 152 241 75	36 19 24 33 . 38	13 62 105 59 25 14	129 180 266 344 364 342
UNITS IN STRUCTURE  1, detoched or oftoched  2  3 and 4  5 to 9  10 to 49  50 or more  Mobile hame ar troiler, etc.	3 283 1 737 1 369 1 558 1 290 545 197	78 31 120 213 170 178	242 200 143 215 174 77 34	518 419 265 390 229 52 62	600 416 273 240 355 56 37	457 287 263 212 211 83 29	507 191 208 178 94 35 23	284 87 56 49 16	327 78 31 33 5 9	91 6 3 7 48 6	179 22 7 28 29 7 6	261 220 224 194 209 180 200
YEAR STRUCTURE BUILT 1975 to March 1980	1 471 1 176 1 479 1 994 1 535 2 324	180 133 73 45 92 267	87 56 77 140 201 524	85 133 239 437 397 644	160 231 369 503 370 344	314 279 248 382 185 134	365 151 218 227 134 141	107 73 83 113 39 77	126 72 89 115 29 52	31 42 45 11 11 21	16 6 38 2! 77 120	286 256 245 232 204 171
STORIES IN STRUCTURE   1 to 3	9 585 394 364	709 81 81	993 92 81	1 876 59 52	1 926 51 44	1 486 56 56	1 196 40 35	492 - -	483 - -	152 9 9	272 6 6	224 183 181
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979 Less than 15 percent 15 to 19 percent 20 to 24 percent 30 to 34 percent 30 to 34 percent 50 percent or more Not computed	1 565 1 568 1 454 1 185 786 1 271 1 772 378 25.9	173 126 186 118 60 86 34 7	234 184 176 92 75 145 174 5	314 305 315 190 129 253 399 30 25.5	352 236 260 274 187 186 466 16 27.4	220 276 264 153 134 233 233 29 24.9	115 253 117 162 88 224 269 8	84 92 54 93 66 67 36	53 82 72 74 33 52 117 -	· 20 14 10 29 14 25 44 5 31.8	   278	207 234 209 230 237 235 228 238
SELECTED CHARACTERISTICS Hearling equipment Central heating system Air conditioning Central system	9 979 8 473 3 352 1 170	<b>790</b> 559 <b>278</b> 32	1 085 750 292 71	1 935 1 450 279 37	1 977 1 730 658 155	1 542 1 487 664 247	1 236 1 172 580 253	492 470 197 179	483 477 194 125	161 161 102 48	278 217 108 23	223 238 259 306

## 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 8]

	Household income in 1979												
Billings city				\$10,000	\$12,500	\$15,000	\$20,000	\$25,000	\$35,000				Income in 1979 below
	Total	Less than \$5,000	\$5,000 to \$9,999	\$12,499	\$14,999	\$19,999	\$24,999	\$34,999	\$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	poverty level
Owner-occupied housing units	16 205	923	2 008	996	1 079	2 216	2 564	3 532	1 864	1 023	21 579	24 733	714
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER	75 200												
Married-couple families	11 <b>837</b> 430	<b>262</b> 16	<b>900</b> 37	<b>498</b> 39	<b>639</b> 35	1 671 87	2 102 91	3 165 90	1 690 18	910 17	24 608 20 037	28 078 22 610	251
25 to 34 years	2 572 2 212	31 43	70 24	88 18	156 70	485 275	786 331	739 827	135 387	82 237	22 489 28 165	24 171 32 042	21 36 49
45 to 64 years65 years and over	4 703 1 920	88 84	180 589	146 207	202 176	524 300	696 198	1 274 235	1 053 97	540	28 623 13 636	33 404 16 924	49 96 49
Male householder, no wife present	1 <b>263</b> 153	135 17	155	<b>90</b> 18	125 24	1 <b>86</b> 26	228 24	1 <b>78</b> 12	94 18	34 <b>72</b> 7	18 750 17 578	21 498 22 135	81
25 to 34 years	415 240	32	30 15	23 18	79 10	70 50	47 55	81 49	33 10	20 27	18 838 21 591	21 390 27 809	25 14
45 to 64 years65 years and over	241 214	13 67	51 52	7 24	12	26 14	77 25	30 6	19 14	18	21 013 8 750	23 476 11 946	13 23
Female householder, no husband present	3 105 74	<b>526</b> 6	953 46	<b>408</b> 13	315	<b>359</b> 5	234	189 4	80	41	10 450 8 558	13 297 9 403	<b>382</b> 6
25 to 34 years	385 422	49 50	121 53	55 65	47 47	54 107	18 51	20 43	7	14	11 023 14 787	15 214 15 013	57 46
45 to 64 years65 years and over	1 096 1 128	117 304	348 385	177 98	99 122	133 60	90 75	62 60	55 12	15 12	11 172 8 445	14 420 11 166	122 151
Median age	49.4	64.5	65.4	56.2	52.5	43.7	41.0	43.9	50.4	48.1	•••	•••	55.3
YEAR HOUSEHOLDER MOVED INTO UNIT 1979 to Morch 1980	2 467	117	196	162	233	472	447	493	185	162	20 527	24 234	117
1975 to 1978	4 670 2 618	204 147	399 296	277 121	265 153 135	613 338	816 527	1 231 591	562 269	303 176	23- 278 22- 452	26 569 24 852	223 116
1960 to 1969 1959 or earlier	3 079 3 371	140 315	340 777	177 259	135 293	424 369	392 382	674 543	567 281	230 152	24 185 15 501	27 056 20 342	80 178
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use  1.01 or more persons per room	16 167 140	923 6	1 983	<b>996</b> 8	1 <b>079</b> 13	2 216 28	2 560 20	3 523 26	1 <b>864</b> 18	1 023 13	21 594 23 375	24 758 25 395	706
Lacking complete plumbing for exclusive use  1.01 or more persons per room	38	-	25	-	-	-	4	9	-	-	9 167	13 958	8
Heating equipment  Central heating system	16 198 15 512	<b>923</b> 802	2 008 1 784	996 928	1 079 1 029	2 209 2 165	2 564 2 498	3 532 3 451	1 864 1 838	1 023 1 017	21 585 21 939	24 736 25 228	714 607
Air conditioning	7 <b>256</b> 3 107	362 164	714 217	505 183	<b>464</b> 186	923 278	1 079 363	1 591 666	1 040	578 418	22 757 27 172	27 144 33 161	245 118
Vehicles available	15 705 4 360	7 <b>43</b> 432	1 764 1 082	<b>973</b> 547	1 054	2 205 679	2 554 508	3 532 379	1 864 149	1 016 98	21 997 13 112	25 266 16 253	624 306
2 or more	11 345 16 198	311 <b>923</b>	682 2 008	426 <b>996</b>	486 568 1 <b>079</b>	1 526 2 209	2 046 2 564	3 153 <b>3 532</b>	1 715 1 864	918 1 023	25 294 21 585	28 730 24 736	318 714
Utility gos	15 696 48	875 20	1 966 7	950 8	1 021	2 131	2 499	3 426	1 835	993	21 667 6 429	24 854 12 246	666
ElectricityFuel oil, kerosene, etc	414	28	27	38	42	78 —	54 6	94	23	30 .	19 464 23 750	22 520 22 560	20
Other	34 6.1	4.9	8 4.9	5.3	16 <b>5.3</b>	5.9	5 6.0	5 <b>6.7</b>	7.4	8.3	13 906	15 333	5.1
Specified awner-occupied housing units	13 589	690	1 569	721	806	1 917	2 175	3 178	1 636	897	22 328	25 425	510
MORTGAGE STATUS AND SELECTED MONTHLY												7 10	
OWNER COSTS With a mortgage	9 805	320	689	380	506	1 475	1 738	2 687	1 301	709	24 361	27 516	312
Less than \$200 \$200 to \$249	557 1 451	17	95 184	49 55	46 97	86 259	88 222	121 329	44 216	11 31	19 044 21 549	20 356 22 719	25 42
\$250 to \$299 \$300 to \$349	1 274 901	58 38 25	76 81	61 55	37 98	166 117	268 150	395 210	185 116	48 49	24 831 21 285	25 451 25 983	44 25 39
\$350 to \$399 \$400 to \$499	1 019 2 037	48	88 83	48 36	57 101	220 377	127 435	275 589	85 238	71 127	21 123 23 524	24 737 27 411	39 48
\$500 to \$599 \$600 to \$749	1 310 879	51 55	51 28	30 26	50 20	156 84	282 145	389 296	164 157	133 123	24 910 26 736	29 400 35 806	56
\$750 or more Median	377 \$385	28 \$373	3 \$293	20 \$323	\$337	10 \$375	21 \$403	83 \$402	96 \$402	116 \$513	31 237	49 404	28 \$376
Not mortgaged	3 784	370	880	341	300	442	437	491	335	188	15 009	20 007	198
Less than \$50 \$50 to \$74	61 247	24 69	23 99	22 97	25	7 5	20	7	7	-	5 903 7 682	10 791 9 298	20 45
\$75 to \$99 \$100 to \$124	868 952	129 78	334 236	91	67 108	77 147	58 112	76 96	22 68 58	8 16	9 303 14 144	12 705 17 074	45 66 26 7 25
\$125 to \$149 \$150 to \$199	678 663 176	78 31 30	133 34 12	56 67	51 4 <u>2</u>	102 76	94 103	123 137	107	30 67 25	18 534 23 347	21 330 27 985	25
\$200 to \$249 \$250 or more	139	9	9	8	7	20 8	37 13	41 11	34 39	42	29 231 39 339	37 284 42 392	9
Median	\$119	\$93	\$99	\$114	\$113	\$122	\$133	\$139	\$156	\$180	•••	•••	\$88
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD													
INCOME IN 1979 With a mortgage	9 805	320	689	380	506	1 475	1 738	2 687	1 301	709	24 361	27 516	312
Less than 15 percent	3 209 1 646	-	7 8	9 32	23 79	158 312	421 326	1 096 584	866 233	629 72	33 607 26 019	41 291 27 216	15
20 to 24 percent 25 to 29 percent	) 501 1 133	-	35 50	38 60	60 105	241 272	390 321	582 287	147 38	8	24 836 21 052	25 216 21 457	-
30 to 34 percent	753	242	96	59 182	71	271	149	90	17	=	18 093 9 977	18 063	239
35 percent or more Not computed Median	1 505 58 20,1	262 58 50+	493 - 46.6	34.3	168 - 29.3	221 25.5	131 - 21.6	48 - 17.1	12.3	10—	2500—	11 231 -2 903	58 50+
Not mortgaged	3 784 1 924	370	880	341	300	442	437	491	335	188	15 009	20 007	198
Less than 10 percent	817	9 18	45 288	78 160	138 145	321 93	332 105	483 3	330 5	188	25 819 11 602	30 255 12 640	9
15 to 19 percent	490 241	29 99 59	330 128	81 14	17	28	_	5	=	=	7 950 5 648	8 767 5 898	16 28 29
25 to 29 percent 30 to 34 percent	126 51	59 36	59 15	8	_	=	Ξ	Ξ	=	=	5 244 4 271	5 774 4 836	29
35 percent or moreNot computed	135	120	15	_	Ξ	=	Ξ	-	-	_	3 399	3 543	11 94 -
Median	10—	27.5	16.6	12.9	10.4	10—	10-	10—	10—	10—	•••	•••	32.7

### 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]

					Ho	usehold incor	me in 1979						
Billings city	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)	Income in 1979 below poverty level
Renter-occupied housing units	10 060	2 439	2 594	1 150	899	1 323	755	543	233	124	9 994	12 320	2 225
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER  Married-couple families  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  65 years and over  Male householder, no wife present  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  65 years and over  Female householder, no husband present  15 to 24 years  25 to 34 years  35 to 44 years  45 to 64 years  35 to 44 years  45 to 64 years  45 to 64 years  45 to 64 years	2 965 730 995 371 553 316 2 904 926 980 248 488 8262 4 191 1 167 953 346 720	307 93 71 68 54 21 645 201 122 26 129 167 1 487 412 213 85 256	511 144 80 66 83 138 710 267 208 83 93 59 1 373 427 335 122	413 147 139 23 37 67 336 86 144 21 71 14 401 65 120 47 83	265 102 92 11 24 36 245 72 122 20 26 5 389 101 121 39 69	566 103 265 64 112 22 483 191 181 47 52 12 274 107 80 35 28	437 116 137 73 100 11 203 38 100 16 49 - 115 19 27 -	250 12 120 466 599 13 182 566 73 21 27 5 111 19 57 7	167 7 91 16 45 8 56 9 13 8 26 10	49 6 - 4 39 - 44 6 17 6 15 - 31 12 -	14 873 12 177 16 782 17 188 18 581 9 973 10 722 9 918 12 828 11 786 10 775 4 362 7 036 6 750 9 039 8 509	16 815 13 806 18 367 16 017 21 448 11 712 12 824 11 897 14 452 14 852 14 859 6 113 8 790 6 113 8 790 9 982 10 399 9 935	408 111 92 110 68 27 491 188 79 19 97 108 1 326 462 240 110
65 years and over	1 005 31.8	521 41.2	294 <b>30.8</b>	86 <b>30.2</b>	59 <b>29.1</b>	24 29.4	21 <b>32.9</b>	32.6	33.6	13 48.6	7 453 4 890	6 413	287 <b>32.9</b>
YEAR HOUSEHOLDER MOVED INTO UNIT  1979 to Morch 1980	6 005 2 606 783 411 255	1 382 644 198 118 97	1 637 617 203 85 52	645 336 85 47 37	490 255 86 29 39	856 344 91 27 5	440 176 79 54 6	319 170 16 33 5	138 50 25 12 8	98 14 - 6 6	9 951 10 313 9 762 10 133 7 383	12 568 12 027 11 569 13 243 10 280	1 415 495 154 99 62
PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use	9 643 4 519	2 262	2 441 1 695	1 111	<b>882</b> 629	1 309 836	748 455	538	<b>228</b> 122	1 <b>24</b> 79	10 267 9 890	12 546 11 977	2 085
0.50 or less	6 518 2 861 201 63 417 197 187 — 33	1 604 605 38 15 177 74 96	660 72 14 153 73 66	773 312 21 5 39 20 7 -	229 14 10 17 17 - -	443 30  14 8 6 	455 277 4 12 7  7	325 189 17 7 5 5	101 5 - 5 - 5	45 - - - - - -	9 890 11 326 9 505 11 250 5 787 6 156 4 902 6 696	11 977 13 868 12 146 12 630 7 083 7 329 6 858 6 892	1 220 737 102 26 140 48 71 -
SELECTED CHARACTERISTICS													
Heating equipment Central heating system Air conditioning Central system Vehicles available 1 2 or more House heating fuel Utility gas Battled, tank, or LP gas Electricity Fuel oil, kerosene, etc. Other Median rooms	10 060 8 518 3 378 1 176 8 284 4 856 3 428 10 060 8 332 119 1 499 60 50 3.9	2 439 1 884 676 135 1 477 1 184 293 2 439 1 875 35 472 2 3 34 3.2	2 594 2 132 800 223 1 977 1 462 515 2 594 2 125 29 405 25 10 3.7	1 150 970 367 154 1 060 695 365 1 150 989 10 146 5	899 760 316 106 855 517 338 899 768 — 125 —	1 323 1 206 452 174 1 285 574 711 1 323 1 127 11 185 	755 702 298 109 748 255 493 755 670 10 75	543 516 264 154 525 104 421 543 479 24 33 7	233 224 118 58 233 40 193 233 187  46  5.0	124 124 87 63 124 25 99 124 112 - 12	9 994 10 626 11 451 14 292 11 623 9 373 16 278 9 994 10 420 9 338 8 564 5 921 3 977	12 320 13 015 14 447 18 222 13 750 10 477 18 388 12 320 12 663 10 903 8 031 4 706	2 225 1 734 146 1 478 1 045 433 2 225 1 763 40 377 23 22 3.6
Specified renter-occupied housing units	9 979	2 405	2 575	1 144	887	1 313	755	543	233	124	10 021	12 357	2 200
CONTRACT RENT  Less thon \$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 cosh rent Median	984 1 452 2 409 1 894 1 775 600 394 124 69 278 \$200	649 489 540 344 196 59 14 10 7 97 \$151	243 502 743 460 385 78 43 22 16 83 \$179	40 142 402 216 250 57 20 5 - 12 \$197	19 121 226 241 149 50 51 18 -	6 131 260 298 354 135 83 11 6 29 \$244	22 41 140 143 233 77 45 28 - 26 \$255	12 75 130 145 59 84 12 13 13	5 8 16 43 37 60 37 14 13 - \$306	- 6 7 19 26 25 17 4 14 6 \$302	4 187 7 124 9 525 11 655 13 448 16 591 19 028 19 091 28 542 7 819	5 367 8 461 10 548 13 207 15 036 19 917 22 329 19 841 30 416 11 952	472 434 523 340 224 104 14 10 7 7 72 \$164
GROSS RENT	790	540	104	16			17				4 047	4 710	403
Less thon \$100 \$104 \$104 to \$149 \$150 to \$149 \$150 to \$199 \$200 to \$249 \$250 to \$299 \$300 to \$349 \$350 to \$349 \$350 to \$399 \$400 to \$499 \$500 or more \$100 to	790 1 085 1 935 1 977 1 542 1 236 492 483 161 278 \$223	560 392 509 432 184 156 15 48 12 97 \$170	194 399 633 551 351 240 34 64 26 83 \$201	15 105 322 268 169 187 46 14 6	4 78 174 234 184 101 54 28 18 12 \$236	75 180 198 339 232 151 92 17 29 \$278	17 24 65 158 133 170 71 63 28 26 \$289	7 22 99 128 95 54 102 23 13 \$305	5 17 29 36 36 42 55 13 \$341	13 8 18 19 25 17 18 6 \$352	6 536 8 546 10 051 13 410 13 366 17 266 19 784 20 625 7 819	4 719 7 762 9 518 11 561 14 654 15 307 21 572 22 078 23 437 11 952	403 324 487 381 228 189 52 52 12 72 \$185
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
Less than 15 percent	1 565 1 568 1 454 1 185 786 1 271 1 772 378 25.9	16 78 161 141 105 311 1 396 197 50+	121 172 342 400 386 711 360 83 32.7	60 208 296 214 170 173 11 12 25.0	118 234 244 167 58 49 5 12 21.8	305 377 313 204 58 27 - 29	291 331 49 52 6 - 26 16.1	333 138 49 7 3 - - 13 13.7	211 22 - - - - - - 10.6	110 8  - - - 6 10—	22 462 16 437 11 892 10 602 8 953 6 993 3 540 4 677	25 723 16 731 11 963 11 005 9 241 7 278 3 761 8 489	25 60 143 139 75 329 1 257 172 50+

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 8]

	[Data are estime	nes pasea on a	sample, see init	odociion. Poi in	leaning or symbo	ois, see introduct	ion. For demini	ons of terms, se	e oppendixes A	ana ol	
Billings city	Total	Less than \$200	\$200 ta \$249	\$250 ta \$299	\$300 ta \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or mare	Median (dollars)
Specified owner-occupied housing units	9 805	557	1 451	1 274	901	1 019	2 037	1 310	879	377	385
PERSONS IN UNIT	820	97	104	97	167	100	120	103	16	16	334
2 persons	2 833 2 175	241	622 277	369 312	213 212	292 256	529 484	313	212	41	334 343 383 422 432 461 331 464
4 persons5 persons	2 395 1 032	120 50 39	264 120	310 125	184 78	251 88	587 208	253 351 148	168 268 152 57	93 130 74	422 432
6 persons	410 75	5 5	50 14	48 13	31	32	61	103 25	57	23	461 331
8 or more personsMedian	65 3.07	2.25	2.50	3.05	7 2.83	2.96	39 3.26	14 3.44	5 3.66	3.80	464
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER											
Married-couple families	<b>7 906</b> 267	407 11	1 095	1 <b>023</b> 26	672 6	806 22	1 <b>711</b> 141	1 061 44	<b>791</b> 17	340	<b>397</b> 431
15 to 24 years 25 to 34 years 35 to 44 years	2 182 1 911	18 30	74 128	116 280	228 111	270 188	668 417	382 396	340 201	86 160 94	431 453 455 304 243 <b>407</b> 377
45 to 64 years	3 138 408	284 64	732 161	531 70	307 20	301 25 <b>76</b>	446 39	216 23	227 6	_	304 243
65 years and over	650 91	30 284 64 39	69 11	33	20 96 14	76 10	159 28	23 99 7	64	15	<b>407</b> 377
25 to 34 years	283 163	15 9	5 14	28 5	47 5	14 41	88 16	55 37	26 32	5 4	439 457
45 to 64 years65 years and over	95 18	_	33 6	_	18 12	11	27	_	_	6	340 313
Female householder, no husband present 15 to 24 years	1 249 21	m	287	218	133	137 14	1 <b>67</b> 7	150	24	22	303 388 379
25 to 34 years 35 to 44 years	296 334	6 22	19 89	65 55 67	33 39	43 40	81 27	39 52	10	10	379 301
45 to 64 years65 years and over	480 118	22 75 8	89 153 26	67 31	44 17	40	47	52 28 31	14	12	301 259 290
Median age	42.0	54.8	26 <b>52.</b> 5	47.0	43.1	38.8	35.1	37.1	36.6	40.6	
YEAR HOUSEHOLDER MOVED INTO UNIT											
1979 to March 1980 1975 to 1978 1970 to 1974	1 743 3 397	31 46	24 105 354 704	96 177	94 333 252 146	108 487	545 997 308	401 623	294 483	150 146	496 445 313
1960 to 1969	1 915 2 008	46 86 205 189	354 704	452 462 87	252 146	217 162	156	152 105	46 44	48 24	313 260 234
1959 or earlier	742	189	264	87	76	45	31	29	12	9	234
ROOMS  1 to 3 rooms	130	24	_	8	27	7	34	10	7	13	303
4 rooms	733 1 954	141	149	65	115	72	116	40 168	29 95 67	'6	393 305 315 347 389
5 rooms	1 619	96	417 279 251 355	65 339 256 229 377	187 188 121	223 157 181 379	357 340 355 835	206	67	30 41	347
7 rooms 8 or more rooms Median	1 615 3 754 6.8	164 96 64 68 5.2	355 6.1	377 6.4	263 6.1	379 6.8	835 7.0	201 685 7.6	172 509 7.9	283 8.5+	452
YEAR STRUCTURE BUILT	0.0	J.2	0.1	0.4	0.1	0.0	7.0	7.0	7.7	0.5+	
1975 to March 1980	1 612	33	13	20 117	25	57	392	451	403	218	559
1970 to 1974 1960 to 1969 1950 to 1959	898 2 325	54	76 337	478	25 57 222	81 253	262 491	144 281	121 165 122	40 44	452 364
1940 to 1949	3 175 958	54 278 99 93	76 337 666 182	461 100	386 135	404 101	543 178	267 111	37	44 48 15	452 364 324 336 333
1939 or earlier	837	93	177	98	76	123	171	56	31	12	333
VALUE tess than \$10 000	7	_	7	_	_	_	_	_	_	_	225
Less than \$10,000	38 215	21 48	- 87	32	6	7 20	4 20	_	_	_	193
\$30,000 to \$39,999 \$40,000 to \$49,999	552 1 944	98 173	107 476	141 223	108	41 264	43 425 694	14 111	- 8		193 234 275 319 354
\$50,000 to \$59,999 \$60,000 to \$79,999	2 737 2 838	141	550 208	428 410	260 225 229	291 260	694 569	300 598	8 89 413	4 19 75 101	354 442
\$80,000 to \$99,999 \$100,000 to \$149,999	926 455	70	16	40	40 25	93 43	206 59	209 65	221	101 120	533 637
\$150,000 or more	93 \$57 600			-	-	-	17	13 \$65 900	143	\$98 200	750+
SELECTED MONTHLY OWNER COSTS AS	\$37 600	\$45 900	\$50 700	\$54 900	\$52 800	\$55 900	\$57 000	\$65 900	\$76 900	\$70 200	•••
PERCENTAGE OF HOUSEHOLD INCOME IN 1979											
Less than 15 percent	3 209 1 646	389 63	870 239	739 271	316 201 94	246 227 199	318 380	172 136	114 66	45 63 49	273 361 444
20 to 24 percent 25 to 29 percent	1 501 1 133	63 43 19	870 239 75 56 82	71	94 118	93	538 301	276 270	156 173	49 50 50	471
30 to 34 percent	753 1 505	7 36	82 118	53 33 102	44 122	62 192	218 261	159 288	98 272	50 114	473 465
Not computed Median	58 20.1	10.9	11	13.9	18.3	20.9	21 22.9	26.2	28.0	27.8	467
SELECTED CHARACTERISTICS	20.1	,,,,	,5.5	,	,5.5	20.7	22.7	25,2	25,0	2,,,0	
Heating equipment	9 798	557	1 451	1 274	901	1 019	2 030	1 310	879	377	385
Steam or hat water system Central worm-air fumace or electric heat pump	559 8 832	31 478	1 339	1 169	49 799	78 894	1 885	1 151	61 784	27 333	403 385 524 305 358
Other built-in electric units Floor, wall, or pipeless furnace	125 107	23 16	13	19 15	26	20	15 10	31	34	5	305
Other means	175 <b>4 318</b>	16 <b>234</b>	37 <b>701</b>	10 511	20 371	27 354 150	36 <b>868</b>	17 <b>544</b>	478	12 257	398
1 or more individual room units	1 896 2 422	234 33 201	141 560	157 354	158 213	204	395 473	288 256	356 122	218 39	479 323
House heating fuel	<b>9 798</b> 9 473	557 528	1 <b>451</b> 1 <b>433</b>	1 <b>274</b> 1 241	901 888	1 <b>019</b> 987	2 030 2 002	1 310 1 246	<b>879</b> 800	377 348	<b>385</b> 383
Bottled, tank, or LP gasElectricity	30 274	8 21	8 5	33	7	7 19	28	60	7 72	29	385 383 244 540 375 321
Fuel oil, kerosene, etcOther	6 15	-	5	-	- 6	6		4	=		375 321
										1	

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

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

	[Dato ore estimote	s bosed on a som	ple, see Introducti	ion. For meaning	of symbols, see I	Introduction. For	definitions of term	is, see appendixes	A oud Bl	
Billings city	Total	Less thon \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Medion (dollars)
Specified owner-occupied housing units	3 784	61	247	868	952	678	663	176	139	119
PERSONS IN UNIT	3 704	0,	24/	000	752	6/6	000	1,0	137	117
l person	1 046	31	132	295	246	158	104	48	32	107
2 persons3 persons	1 999	30	132 107 8	399 116	246 581 92 10	158 355 99 37 22	377 87	48 75 31	75 19	120
4 persons	153	=	-	24	10	37	55 26	14	13	155
5 persons6 persons	452 153 103 24	_	_	24 24 10	23	7:	7	8 -	_	120 128 ( 155 130 ( 132 ( 175 )
7 persons 8 or more persons	7	_	-	_	-	_	7	Ξ:	_	175
Median	1.92	1.48	1.44	1.85	1.90	2.01	2.10	2.03	2.00	
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER										
Married-couple families	2 342 10	12	90	<b>475</b> 10	612	453	499	122	79	124
15 to 24 years 25 to 34 years	43	_	-	10	Ξ.	20	13	-	- 6	139
35 to 44 years	104 969	7	7	127 127	5 264	20 20 220 193	46 229 211	5 69	6 46 27	155 134
65 years and over	1 216 234	5 16	83 <b>40</b>	10 22 127 306 89	264 343 <b>42</b>	193 10	211 25	48 12	27	124 88 139 155 134 116 92
15 to 24 years	21	- 9	-	- 6	- 6	-	-	-	-	- 1
25 to 34 years	10	-	10	-	_			=	_	63
45 to 64 years	64 139	7	10 14 16	8 75	14 22 <b>298</b>	10	12 13 1 <b>39</b>	6	1 7	81 63 118 90 113 98 128 88 119
65 years and over Female householder, no husband present 15 to 24 years	1 <b>208</b>	33	117	<b>304</b>	298	215	139	42	60	113
25 to 34 years	24 21	- 7	-	11	-	8 7	5	-	-	128
15 to 24 years	371 779	11	27 90	70	101	58	61	18 24	25 35	119
65 years and over	779 <b>66.9</b>	15 <b>63.4</b>	90 72.5	209 71.2	197 <b>66.8</b>	142 64.8	67 <b>63.2</b>	62.9	35 <b>63.5</b>	110
YEAR HOUSEHOLDER MOVED INTO UNIT										
1979 to Morch 1980	94	16	7	22 54	13	13	17	6	_	104
1975 to 1978	278 319	16 7	7	54 48	39 82	13 68 48	58 84	6 30	30 9	104 133 131 133 113
1960 to 1969 1959 or earlier	793 2 300	8 14	48 174	136 608	150 668	172 377	196 308	49 85	34 66	133
	2 300	14	1/4	000	000	3//	308	65	00	113
ROOMS	124	17	40	24	7	1,				71
1 to 3 rooms	136 767	26	60 67 65 26 21	36 280 309	232	16 111	44	7	-	71 101 113 121 143 169
5 rooms6 rooms	1 170 672	18	65 26	309 177	232 363 157 102	239 124 97	145 152	12 1	19 17	113
7 rooms 8 or more rooms	476 563	_	21 8	46 20	102 91	97 91	138 184	12 19 65 73 7.3	7 96	143
Median	5.3	4.0	4.4	4.9	5.2	5.4	6.4	7.3	8.5+	
YEAR STRUCTURE BUILT										
1975 to March 1980	100 85	7	_	27	21	31 6	6 36	6	23 9	138
1960 to 1969	324	-	_	38	30	43	136	43	34	169
1960 to 1969 1950 to 1959 1940 to 1949	1 274 772	-	58 54	219 236 348	30 354 261.	251 125 222	292 77	6 43 78 12 31	34 22 7	138 162 169 126 109 107
1939 or earlier	1 229	47	135	348	286	222	116	31	44	107
VALUE		_		_						
Less than \$10,000	37 237	34	23 39 83 47 44	7 78	86	-	-	_		63 90 96 105 113 132 160 197
\$20,000 to \$29,999	492 724	13	83 47	175 270	131	61 154	23	6	_	96 105
\$40,000 to \$49,999 \$50,000 to \$59,999	819 585	7	44 11	206	131 224 290 156	162 150	23 29 96 145	6	8	113
\$60,000 to \$79,999	600	_	'-	270 206 85 42	60	138	291	6 38 55 49	14	160
\$80,000 to \$99,999 \$100,000 to \$149,999	128 119	_	_	5 -	5	6 -	51 28	49	12 69	250+
\$100,000 to \$149,999 \$150,000 or more Median	43 \$45 400	\$14 400	\$27 000	\$35 700	\$41 400	\$48 000	\$64 700	\$75 500	\$132 900	250+
SELECTED MONTHLY OWNER COSTS AS	, 15 150	Ţ.¬ ¬••	,_, 000	<del>,</del> 35 ,00	<b>41, 430</b>	7.0 000	73.700	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.32 730	
PERCENTAGE OF HOUSEHOLD INCOME IN 1979										
Less than 10 percent	1 924	35 18	112	364 209	482	393	359	97	82	123
10 to 14 percent	817 490	18	70 21 29	138	147	93 66	163 70	40 27	18 13	113
20 to 24 percent	241 126	_	29	138 105 21	206 147 32 37 15	61	14 12 15	- 6	- 8	114 113 97 123 124 134
30 to 34 percent	51 135	-	7	11 20	15 33	34 10 21	15 30	- 6	18	124
Not computed	-		-	-	-	-	-	-	-	-
Median	10—	10—	10.8	11.7	10—	10—	10—	10	10—	
SELECTED CHARACTERISTICS Hearing equipment	3 784		247	040	952	670	442	176	139	119
Steam or hot water system	376	61	247 7	868 48 575	45 802	678 62	663 132 517	43 133	39	160
Central warm-air furnace or electric heat pump Other built-in electric units	2 844 6	31	113	-		573 -	-	133	100	122 113
Floar, wall, or pipeless furnaceOther means	176 382	7 23	33 94 <b>47</b>	100	6 17 82	12 31	7	-	-	87 88
Air conditioning	1 <b>457</b> 444	23 21	47	283	333	273	291	127	82 75	129
1 or more individual room units	1 013	7 14 61	47	100 145 <b>283</b> 37 246 <b>868</b> 868	264	81 192	130 161	45 82 1 <b>76</b>	7	160 122 113 87 88 129 161 119
House heating fuelUtility gas	3 784 3 725	61 53	247 240	868 868	82 333 69 264 952 934 7	678 657	663 658	1 <b>76</b> 176	139 139	119 119
Bottled, tank, or LP gas Electricity	7 41	8	7	-	7 6	15	5		-	113 123
Fuel oil, kerosene, etc	-	-		-		_	-	-	-	-
Other	11	-	-	-	5	6	-	_	_	127

## 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]

6.000	Owner-occupied housing units						Renter-occupied housing units						
Billings city	Total	1975 to Morch 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to Morch 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	
Occupied housing units	16 205	2 468	1 575	2 952	6 874	2 336	10 060	1 477	1 182	1 479	3 561	2 361	
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER Martied-couple families 15 to 24 years 25 to 34 years 35 to 44 years 45 to 64 years 65 years and over Male householder, no wife present 15 to 24 years 25 to 34 years 45 to 64 years 45 to 64 years 45 to 64 years 65 years and over Female householder, no husband present 15 to 24 years 25 to 34 years	11 837 430 2 572 2 212 4 703 1 920 1 263 153 415 240 241 214 3 105 74	1 951 166 656 592 471 66 249 62 13 19 268 23	1 112 30 266 306 404 106 162 12 65 41 26 18 301 17 34	2 427 55 453 503 1 215 201 91 14 25 17 29 6 434 13 63 89	4 929 106 972 606 2 206 1 039 544 39 183 105 131 86 1 401 14	1 418 73 225 205 407 508 217 22 53 15 42 85 701 7	2 965 730 995 371 553 316 2 904 980 248 488 262 4 191 1 167	510 106 189 63 96 56 338 86 135 39 54 24 629 205	353 120 103 222 73 35 289 79 133 	454 123 146 43 94 48 410 158 119 59 54 20 615 172 127	1 121 260 439 178 161 83 988 391 348 154 37 1 452 475 455 85	527 121 118 65 129 44 879 212 245 92 148 955 190 154 932 243 141,0	
35 to 44 years	422 1 096 1 128 49.4	39 69 46 <b>36.8</b>	82 136 32 <b>43.6</b>	89 139 130 <b>47.9</b>	177 551 522 <b>54.1</b>	35 201 398 <b>61.0</b>	346 720 1 005 31.8	68 48 214 <b>32.8</b>	37 87 168 31.2	60 119 137 <b>31.6</b>	85 234 203 <b>29.4</b>	96 232 283 <b>41.0</b>	
1979 to Morch 1980. 1975 to 1978. 1970 to 1974. 1960 to 1969. 1959 or earlier.	2 467 4 670 2 618 3 079 3 371	1 007 1 461 - - -	247 565 763 - -	367 734 563 1 288	625 1 461 1 025 1 366 2 397	221 449 267 425 974	6 005 2 606 783 411 255	1 152 325 - - -	661 390 131 - -	897 382 96 104	2 198 819 260 171 113	1 097 690 296 136 142	
ROOMS   1   1   1   1   1   1   1   1   1	12 69 319 2 389 3 836 2 677 6 903 6.1	11 32 335 517 417 1 156 6.3	13 22 350 307 219 664 5.9	23 33 216 541 440 1 699 7.0	12 11 137 1 093 1 751 1 195 2 675 5.9	- 11 95 395 720 406 709 5.4	508 908 2 351 3 169 1 732 774 618 3.9	34 91 295 594 286 111 66 4.0	131 83 185 434 221 103 25 3.9	48 114 310 534 226 130 117 4.0	96 251 904 1 106 656 261 287 4.0	199 369 657 501 343 169 123 3.4	
PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more Lacking complete plumbing for exclusive use 0.50 or less 0.51 to 1.00 1.01 to 1.50 1.51 or more	16 167 11 849 4 178 135 5 38 25 13	2 468 1 672 756 35 5 - - -	1 575 1 078 489 8 - - - - -	2 952 2 134 790 28 - - - -	6 855 • 5 128 1 686 41 	2 317 1 837 457 23 - 19 11 8 -	9 643 6 518 2 861 201 63 417 197 187 —	1 461 1 058 363 35 5 16 10 6	1 165 743 403 12 7 17 13 -	1 465 989 434 20 22 14 8 6	3 449 2 333 1 030 75 11 112 56 37 -	2 103 1 395 631 59 18 258 110 138	
PERSONS IN UNIT  1 person	2 587 5 872 3 015 2 843 1 258 630 2.44 45 296	290 706 477 641 237 117 3.00 7 753	214 529 305 308 116 103 2.65 4 899	278 909 673 655 298 139 2.93	1 168 2 800 1 223 1 029 476 178 2.31	637 928 337 210 131 93 2.07	4 672 2 849 1 269 804 283 183 1.63	659 446 173 138 24 37 1.68 2 801	540 351 168 90 26 7 1.65	692 401 162 155 58 11 1.62	1 534 984 573 271 126 73 1.75	1 247 667 193 150 49 55 1.45	
UNITS IN STRUCTURE  1, detoched or attached  2  3 and 4  5 to 9  10 to 49  50 or more  Mobile home or trailer, etc.	14 222 636 123 78 49 19 1 078	1 804 99 42 15 20 - 488	1 048 54 36 11 7 5	2 740 40 6 9 - 7 150	6 478 327 26 17 - 26	2 152 116 13 26 22 7	3 364 1 737 1 369 1 558 1 290 545 197	190 147 242 349 257 274	175 85 212 226 275 144 65	444 302 238 135 249 45 66	1 613 842 414 398 177 69 48	942 361 263 450 332 13	
SELECTED CHARACTERISTICS Hearing equipment Steam or hot water system Centrol worm-air furnoce or electric heat pump Other built-in electric units Hoor, woll, or pipeless furnoce Other means Ar conditioning Centrol system 1 or more individual room units House hearing fuel Unity gos Bottled, tonk, or LP gos Electricity Fuel oil, kerosene, etc. Other Income in 1979 below poverty level Percent below poverty level	16 198 1 055 13 965 163 329 686 7 256 3 107 4 149 16 198 15 696 48 414 6 34 714 4.4	2 468 31 2 264 126 6 41 1 180 841 339 2 468 2 164 18 282 4	1 575 35 1 515 5 10 10 959 891 268 1 575 1 560	2 952 231 2 677 - 22 22 1 481 721 760 2 952 2 914 - - 11 101	6 867 540 5 856 26 84 361 2 930 716 2 214 6 867 6 784 14 57 6	2 336 218 1 653 6 207 252 706 138 2 336 2 274 16 38 - 8	10 060 1 615 5 122 1 035 746 1 542 3 378 3 176 2 202 10 060 8 332 119 60 50 2 225	1 477 208 669 545 17 38 1 037 398 639 1 477 717 21 726 - 13	1 182 265 635 202 46 34 729 292 437 1 182 886 7 289	1 479 246 908 83 82 160 570 240 330 1 479 1 278 17 168 - 16	3 561 394 1 997 155 360 655 674 174 500 3 561 3 229 44 247 35 6	2 361 502 913 50 241 655 368 2 361 2 226 2 30 69 25 15 701 29,7	
HOUSEHOLD INCOME IN 1979 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 \$24,999 \$35,000 to \$44,999 \$35,000 to \$49,999 \$50,000 or more Median	923 2 008 996 1 079 2 216 2 564 3 532 1 864 1 023 \$21 579 \$24 733	4.5 117 111 150 178 285 436 655 344 192 \$24 516 \$28 503	104 177 130 95 210 248 319 173 119 \$21 430 \$25 179	3.4 125 217 113 94 383 474 474 798 432 316 \$25 689 \$29 843	3.5 320 892 450 537 975 1 177 1 449 734 340 \$21 002 \$23 462	7.0 257 611 153 175 363 229 311 181 56 \$14 600 \$17 731	22.1 2 439 2 594 1 150 899 1 323 755 543 233 124 \$9 994 \$12 320	364 318 108 193 189 81 106 69 49 \$11 308 \$14 339	232 386 94 65 185 117 57 29 17 \$9 685 \$13 179	251 333 253 137 227 171 61 40 \$11 537 \$12 985	748 968 430 300 520 248 251 70 26 \$10 375 \$12 452	844 589 265 204 202 138 68 25 26 \$7 496 \$10 009	

## Table B-8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

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

	Owner-occupied housing units				Renter-occupied housing units							
Billings city	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	) 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 Condominium housing units	16 205 140	14 222 55	<b>905</b> 85	1 078	10 060 33	<b>3 364</b> 19	1 737 -	1 369	1 558 6	1 290 8	<b>545</b>	197
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER Maried-couple families 15 to 24 years 25 to 34 years	11 <b>837</b> 430 2 572	10 731 277 2 328	<b>475</b> 11 110	<b>631</b> 142 134	2 965 730 995	1 441 232 555	<b>546</b> 204 152	361 104 122	300 101 105	195 46 48	47 6 -	<b>75</b> 37 13
35 to 44 years 45 to 64 years 65 years and over Male householder, no wife present	2 212 4 703 1 920 1 263	2 136 4 300 1 690 956	47 192 115 <b>198</b>	29 211 115 <b>109</b>	371 553 316 2 904	239 307 108 <b>847</b>	51 68 71 <b>438</b>	47 59 29 <b>390</b>	23 54 17 <b>597</b>	11 39 51	7 34 126	19
15 to 24 years 25 to 34 years 35 to 44 years	153 415 240	96 325 183	39 53 39 33 34	18 37 18	926 980 248	269 316 75	250 110 23 55	117 182 40	156 207 62	433 107 110 35 134	10 27 13	6 73 17 28
45 to 64 years	241 214 3 105 74	195 157 <b>2 535</b> 34	33 34 <b>232</b> 13	13 23 <b>338</b> 27	488 262 4 191 1 167	117 70 1 076 248	753 228	38 13 618 229	92 80 <b>661</b> 262	47	24 52 <b>372</b> 27	28 - 49
25 to 34 years 35 to 44 years 45 to 64 years	385 422 1 096	326 359 893	9 31 58	50 32 145 84	953 346 720	311 132 214	205 50 139	99 58 130 102	148 40 89	662 173 150 54 111	27 12 - 33 300	28 12 4
65 years and over	1 128 <b>49.4</b>	923 <b>49.2</b>	121 <b>54.7</b>	49.3	1 005 31.8	171 <b>32.6</b>	131 28.6	29.6	122 <b>29.1</b>	174 <b>36.1</b>	74.7	31.5
1979 to March 1980	2 467 4 670 2 618 3 079	1 929 3 887 2 325 2 920	223 299 102 83	315 484 191 76	6 005 2 606 783 411	1 872 862 275 185	1 165 367 95 85	941 284 91 42	932 410 151 35	689 439 116 40	282 195 49 12	124 49 6 12
1959 or earlier	3 371	3 161 12	198	12	255 508	170 46	85 25 6	11	30 116	120	7	6
2 rooms	69 319 2 389 3 836	24 230 1 622 3 266	21 276 205	34 68 491 365	908 2 351 3 169 1 732	108 516 868 824	111 501 666 294	169 313 553 228	214 382 535 197	223 404 376 137	182 83 213 58	22 113 43
6 rooms 7 or more rooms Median	2 677 6 903 6.1	2 394 6 674 6.3	196 196 5.2	87 33 4.4	774 618 3.9	480 522 4.7	119 40 3.9	60 8 3.8	80 34 3.6	30 3.2	2.5	5 14 4.2
PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use  0.50 or less  0.51 to 1.00	16 167 11 849 4 178	14 222 10 329 3 758	<b>867</b> 733 134	1 078 ,787 286	9 643 6 518 2 861	3 346 2 048 1 167	1 691 1 144 499	1 329 918 373	1 388 1 020 348	1 153 908 223	<b>539</b> 318 221	197 162 30
1.01 to 1.50	135 5 <b>38</b>	135	38	5	201 63 417	100 31 18	48	26 12 <b>40</b>	4 16 170	18 4 <b>137</b>	- - 6	5 -
Lacking complete plumbing for exclusive use	25 13 - -	=	25 13 - -		197 187 	1 <u>1</u>	31 15 - -	22 7 — 11	84 64 - 22	47 90 ~ –	6 - -	=
BEDROOMS None	12 560	12 385	91	_ 84	713 3 478	54 788	29 707	72 538	147 639	216 517	195 284	- 5
2	4 590 6 512 3 408	3 534 5 862 3 340	429 297 59	627 353 9	4 387 1 127 305	1 418 778 276	848 136 17	699 48 12	677 95 -	523 34 —	66	156 36 -
5 or more	1 123 923 2 008	1 089 736 1 626	29 38 174	149 208	2 439 2 594	50 671 698	385 396	328 399	379 472	407 421	254 171	15 37
\$5,000 to \$9,999 \$10,000 to \$12,499 \$12,500 to \$14,999 \$15,000 to \$19,999	996 1 079 2 216	741 876 1 966	101 97 96	208 154 106 154	1 150 899 1 323	392 312	244 185 284 112	111 82 212	184 178 158 60	136 109 104 39	28 22 29 16	37 55 11 31 38
\$20,000 to \$24,999 \$25,000 to \$34,999 \$50,000 to \$49,999 \$50,000 or more	2 564 3 532 1 864 1 023	2 282 3 276 1 749 970	113 166 77 43	169 90 38 10 \$13 160	755 543 233 124 \$9 994	505 356 286 93 51	73 41 17	134 78 19 6	46 37 44	44 30	12	4 - 6
Median	\$21 579 \$24 733	\$22 401 \$25 685	\$17 471 \$21 533	\$14 860	\$12 320	\$11 996 \$14 189	\$10 897 \$12 352	\$9 423 \$11 976	\$9 227 \$11 999	\$7 689 \$9 313	\$5 445 \$8 228	\$12 114 \$16 051
Heating equipment Steam or hot water system Central warm-air furnace or electric heat pump Other built-in electric units	16 198 1 055 13 965 163	14 215 989 12 215 131	905 60 749 32	1 078 6 1 001	10 060 1 615 5 122 1 035	3 364 186 2 046 130	1 737 154 1 059 72	1 369 319 677 143	1 558 387 567 243	1 290 538 402 168	545 31 219 275	197 - 152 4
Floor, wall, or pipeless furnace Other means Air conditioning	329 686 <b>7 256</b>	287 593 6 102	5 50	37 34 <b>700</b>	746 1 542 3 378	309 693 <b>683</b>	177 275 <b>373</b>	70 160 <b>509</b>	74 287 <b>465</b>	92 90 <b>702</b>	5 15 <b>521</b>	19 22 125 48 193
Central system	3 107 15 705 4 360 11 345	2 525 13 827 3 548 10 279	454 230 864 312 552	352 1 014 500 514	1 176 8 284 4 856 3 428	246 3 047 1 389 1 658	178 1 501 902 599	199 1 165 770 395	159 1 223 811 412	194 <b>918</b> 697 221	152 <b>237</b> 207 30	193 80 113 197 180
House heating fuel Utility gas Bottled, tank, or LP gas	16 198 15 696 48	14 215 13 819 37	<b>905</b> 842	1 078 1 035 11	10 060 8 332 119	3 364 3 108 76	1 737 1 528 9	1 369 1 111 15	1 558 1 253 6	1 <b>290</b> 962 6	545 190 - 355	197 180 7 10
Electricity Fuel oil, kerosene, etc. Other Water heating fuel	414 6 34 16 205	327 6 26 14 222	55 8 905	32 - 1 078	1 499 60 50 10 041	175 5 - 3 364	169 31 - 1 <b>73</b> 7	227 16 1 356	287 12 - 1 558	276 12 34 1 284	_ 545	197
Utility gas  Bottled, tank, or LP gas  Electricity  Fuel oil kerasene, etc.	15 147 128 916	13 464 106 646 6	808 6 83	875 16 187	8 142 226 1 630 17	3 036 82 246	1 481 39 217	1 055 54 238	1 254 16 277 11	886 28 347 6	259 286	171 7 19
Other Family householder With own children under 18 years	13 311 6 481	12 636 6 025	8 <b>548</b> 183	727 273	26 <b>4 258</b> 2 485	2 006 1 280	726 404	9 545 309	513 285	17 <b>308</b> 163 96	58	102
Female householder, no husband present  With own children under 18 years  With own children under 4 years	2 445 1 <b>243</b> 729 166	2 167 1 108 651 130	84 51 25 15	194 84 53 21	1 473 1 079 821 431	669 449 342 147	298 173 125 85	216 139 105 63	179 172 126 83	96 108 101 53	ı <u>ı</u>	102 44 15 27 22
Nonfamily householder. Income in 1979 below poverty level Percent below poverty level	2 894 714 4.4	2 186 556 3.9	357 49 5.4	351 109 10.1	5 802 2 225 22.1	1 358 695 20.7	1 011 331 19.1	824 329 24.0	1 045 357 22.9	982 320 24.8	487 167 30.6	95 26 13.2

## Table B-9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Date are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

	(Data are estimo	res basea on o s	ompie, see intro	oduction. For med	ming or symbols,	, see infroduction	i, ror definition	s or terms, see	oppendixes A o	ing of	
Billings city	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Medion	Total persons
Owner-occupied housing units Nonrelatives present	16 <b>205</b> 513	2 587 -	5 <b>872</b> 240	3 015 171	2 843 51	1 258 24	<b>458</b> 15	103 12	69	2.44 2.60	<b>45 296</b> 1 517
ROOMS 1 to 3 rooms 4 rooms 5 rooms	400 2 389 3 836	178 852	172 1 158	16 242 797	34 112	- 14	- 11 27	- 19	Ξ	1.63 1.80	697 4 544 9 503
5 rooms 6 rooms 8 or more rooms	2 677 2 266 4 637	852 752 333 249 223	1 568 1 108 820 1 046	548 389 1 023	493 425 516 1 263	180 212 194 658	51 39 330	29 55	30 39	2.24 2.41 2.66 3.52	7 291 6 709 16 552
MedianPLUMBING FACILITIES BY PERSONS PER ROOM	6.1	4.9 2 576	5.5 5 858	6.3 3 015	7.2	7.6 1 258	8.5+ 458	8.5+ 95	7.7	•••	45 182
Complete plumbing for exclusive use	16 027 135	2 576 -	5 858	3 015	2 804 29 5	1 244 1 244	420 38	76 19	34 35	2.44 2.43 6.14 4.00	44 427   729
1.51 or more	38 38 -	n 11	14 14 -	<u>-</u>	5 5 -	- -	=	8 8 -	-	2.07 2.07	26 114 114
UNITS IN STRUCTURE  1, detached ar attoched	14 222 905	1 965 316	5 033 341	2 740 115	2 678	1 205	447 11	89	65	2.54 1.90 1.97	40 442 2 318
2 or more Mobile home or trailer, etc VALUE	1 078	306	498	160	102	41 12	-	14	-		2 536
Specified owner-occupied housing units Less than \$10,000	13 589 44 275 707	1 866 15 96	4 832 29 116 338	2 627 - 38 79	2 548 - 19 24	1 135 - 6 42	434 - - 10	82 - - 6	65 - -	2.54 1.74 1.86 1.93	38 383 69 494
\$30,000 to \$39,999 \$40,000 to \$49,999	1 276 2 763 3 322	208 398 489 275	548 1 074 1 153	151 509 704	91 467 691	71 153 313	17 51 130	20 15	- - 41	1.73 1.94 2.33 2.83 2.91	1 466 2 543 6 642 10 401
tess than \$10,000 \$10,000 to \$19,999 \$20,000 to \$29,999 \$30,000 to \$39,999 \$50,000 to \$49,999 \$60,000 to \$59,999 \$60,000 to \$79,999 \$100,000 to \$149,999 \$150,000 to \$149,999	3 438 1 054 574	264 69 35	1 143 240 148	757 220 142	775 312 145	310 150 73 17	149 38 31	21 20 -	19 5 -	3.49 3.23	10 674 3 710 1 977
\$150,000 or more Median SELECTED CHARACTERISTICS	\$54 500	\$44 700	\$52 400	\$57 000	\$59 700	\$59 100	\$61 200	\$62 500	\$58 800	2.80	407
All income levels in 1979  Median income  Median selected monthly owner costs as percentage of	16 205 \$21 579	2 587 \$9 946	<b>5 872</b> \$20 714	3 015 \$23 738	2 843 \$25 959	1 258 \$29 100	\$28 172	\$27 679	\$24 464	2.44	45 296
household income With a mortgage Not mortgaged	16.9 20.1 10—	21.7 31.9 16.1	13.8 19.0 10—	16.9 19.2 10	19.1 19.8 10—	17.0 18.2 10—	19.7 20.3 10—	19.3 20.4 10—	23.5 23.5 —	:::	:::
Not mortgoged	714 \$2 908 50+	\$2500— 50.0	155 \$3 490 29.6	\$3 456 50+	\$3 088 50+	\$2500— 50+	\$2500—	\$8 750	-	2.05	:::
With a mortgageNot mortgaged	50+ 32.7	50+ 36.3	50+ 26.5	50+ 50+	50+	50+ 17.5	=	=	-	:::	:::
Renter-occupied housing units Nonrelatives present	10 060 1 361	4 672	2 849 980	1 269 240	804 119	283 8	83 -	65 14	35	<b>1.63</b> 2.19	19 873 3 184
ROOMS 1 room 2 rooms 3 rooms	508 908 2 351	462 779 1 585	30 96 612	16 21 100	12 31	- - 16	=	- - 7	=	1.05 1.08 1.24	555 1 073 3 373
4 rooms	3 169 1 732 774	1 217 465 81	1 193 628 180	489 348 167	206 194 192	47 42 81	13 33 28 9	4 11 32	. 11	1.81 2.14 3.25	6 242 4 057 2 520
7 or more rooms Median PLUMBING FACILITIES BY PERSONS PER ROOM	618 3.9	83 3.2	110 4.1	128 4.5	169 5.3	97 6.0	9 5.4	11 5.8	6.0	3.41	2 053
Complete plumbing for exclusive use	9 643 9 379 201	4 360 4 360	2 787 2 767	1 238 1 212 21	804 761 31	271 220 47	<b>83</b> 37 46	65 11 43	35 11 13	1.67 1.62 5.53	19 308 17 845 1 130
1.51 or more	63 417 384	312 312	20 <b>62</b> 52	5 31 20	12 - -	12	=	11 -	ii -	4.04 1.17 1.12	333 565 460
1.01 to 1.50 1.51 or more	33	-	10	11	-	12	=	=	=	3.09	105
1, detached or attached	3 364 1 737 1 369	994 750 636 860	979 586 412	580 206 221	457 146 83	218 14 13	59 24 	46 7 4 8	31 4 -	2.20 1.70 1.62	8 471 3 479 2 536
5 to 9	1 558 1 290 545 197	890   477	432 283 62 95	171 64 6	65 42 	22 11 - 5	Ξ	8 - -	Ξ	1.41 1.22 1.07	2 536 2 567 1 845 577
GROSS RENT Specified renter-occupied housing units	9 979	65 4 617	2 837	1 259	11 800	283	83	65	35	1.85 1.63	398 19 738
Less than \$100	790 1 085 1 935	639 731 1 131	99 232 511	39 65 164	13 39 67	6 29	- 6 33	-	6	1.12 1.24 1.36	974 1 634 3 353 3 658
\$200 to \$249	1 977 1 542 1 236 492	989 496 297	627 571 411 146	243 253 263 98	71 171 174 81	31 38 56 47 49 13	8 - 5 10	8 9 19 18	- 4 11	1.36 1.50 1.98 2.28	3 658 3 480 3 033 1 288 1 277 553
\$400 to \$499 \$500 or more No cosh rent	483 161 278	85 62 52 135	7 102 35 103	103 21 10	144 24 16	14	16 5 -	11	7 - -	2.65 3.25 2.31 1.54	1 277 553 488
Median SELECTED CHARACTERISTICS All income levels in 1979	\$223 10 060	\$190 4 672	\$241 2 849	\$271 1 269	\$309 <b>804</b>	\$327 283	\$216 83	\$341 65	\$334 35	1.63	19 873
Median income	\$9 994 25.9 2 225	\$7 497 27.6 1 002	\$12 552 23.4 540	\$11 985 25.5 <b>339</b>	\$14 650 26.3 220	\$17 716 23.3 50 \$3 750	\$15 139 24.5 27	\$15 536 28.2 23	\$9 931 50+ 24	1.70	
Median income Median gross rent as percentage of household income _	\$3 341 50+	\$2 619 50+	\$3 619 50+	\$4 164 50+	\$4 388 50+	\$3 750 50+	\$6 607 32.0	\$8 487 49.3	\$9 167 50+	:::	:::

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

Table

[Dato are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and 8]

		Median	49.4	6.000 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	49.4 61.3 -		<b>6.1</b> 4.6.4.8.8.9.9.9.7.7.7.6.8.9.9.7.7.7.6.8.9.9.7.7.7.6.8.9.9.7.8.9.9.9.7.7.6.8.9.9.7.8.9.9.9.7.8.9.9.9.9.9.9.9.9.9.9	31.8	33.7.8	31.8 36.4 33.1 23.0	31.7 33.5 31.7 29.7 30.3 30.3 30.3
Ī		65 years and over	1 128	925 176 16 11.11 1 340	1 128		888 888 1.7.5	1 005	987 18 1.01 984	369	989 46 1113 1134 184 184 187 219 219 29.2
	d present	45 to 64 years	960 1	262 262 167 167 1.15 1.15 1.25 1.25	1 089		88 48 88 88 88 88 88 88 88 88 88 88 88 8	720	4% 75 75 65 40 11.23 1 230	37	715 86 87 77 97 87 88 88 87
	Femole householder, no husband present	35 to 44 years	<b>723</b>	2,53 1,563 1,563	422		<b>%</b>	346	24 68 38 69 1.85 857	15 - 15	346 46 16 22 28 27 27 33 33 33
	Femole househo	25 to 34 years	385	128 76 130 45 45 6 6 854	385		356 242 252 253 358 358 247 247 253 253 253 253 253 253 253 253 253 253	953	495 188 187 49 19 1.46	934 7 19	27.2
		15 to 24 years	74	24 24 177	47		\$2.2   1   1   2   4   2   2   2   2   2   2   2   2	1 167	541 137 137 1.60 1 920	116 28 51 01 01	1 164 82 99 94 145 148 249 380 380 443 37.9
<u>.</u>		65 years and over	214	167 39 1.14 1.14 276	202		181 133 133 145 145 145 145 145 145 145 145 145 145	262	232 22 22 8 8 8 1.06 265	212	25 23 23 25 25 25 31.6
pendixes A ond	present	45 to 64 years	241	172 46 7 10 10 1.20 353	241		85.5 85.5 86.5 86.5 86.5 86.5 86.5 86.5	3	428 52 5 1.07	426 - - -	<b>476</b> 188 188 33 33 34 17 17 18.1
terms, see op	holder, no wife present	35 to 44 years	240	153 28 28 13 13 14 460	240		173 163 163 173 173 173 173 174 175 175 175 175 175 175 175 175 175 175	248	167 59 9 13 1.24	222 - 28 - 28	<b>2</b> 28 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
9	Mole householder,	25 to 34 years	415	249 111 47 - 8 1.33 671	415		28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0	086	682 236 19 35 35 1.22 1 440	917	980 215 182 192 119 73 73 73 73 73
ifroduction. For		15 to 24 years	153	87 34 32 32 1.38 241	153		23.1.2.2.1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1	926	495 363 60 8 8 1.44	865 4 61	926 127 127 135 113 113 135 43 43
symbols, see In		65 years and over	1 920	1 705 178 37 - - 2.06 4 065	1 916		20 1 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2	316	291	316	316 37 37 38 38 38 59 59 18
meaning of	es 	45 to 64 years	4 703	2 323 1 127 734 327 192 2.53 13 711	4 693 49 10		4 10 1 10 1 10 1 10 1 10 1 10 1 10 1 10	553	276 276 114 109 28 26 26 25 1 528	548 17	553 158 141 158 150 150 150 160 160 160 160 160 160 160 160 160 16
	ed-couple fomilie	35 to 44 yeors	2 212	167 341 893 515 286 4.17 9 576	2 212 37 -		2010 1 282 2824 2824 2824 2824 2824 2824 2824	37.1	60 103 50 3.74 1 661	371	<b>38</b> 88 84 77 76 76 76 76 76 76 76 76 76 76 76 76
sample, see in	Morried	25 to 34 years	2 572	544 641 964 313 3.60 9 355	2 567 54 5		2 225 2 182 2 182 2 182 3 2 182 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	995	282 302 259 126 3.21 3 326	983 2225	991 233 233 140 130 87 87 86 86 87
o uo paspo sa		15 to 24 years	64	230 137 47 16 16 2.43	430		277 287 283 284 25.8 25.8 10 10 10 10	730	205 205 98 98 14 12.38	713	730 730 1338 123 123 104 104 114 25.4
Uoto ore estimotes based on o sample, see intr		Total	16 205	2 587 2 872 3 015 2 843 1 258 630 244 45 296	16 167 140 38		13 589 9 805 3 209 1 646 1 133 1 133 1 135 1 135	10 060	4 672 2 849 1 269 804 283 1 183 1 1,63	9 643 264 417 33	9 979 1 565 1 565 1 565 1 185 1 185 1 772 1 772 25.9
		Billings city	Owner-occupied housing units	PERSONS IN UNIT  person  persons  persons  persons  persons  persons  con more persons  for more persons  Total persons	PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use	MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979	With a mortgage.  With a mortgage.  15 to 19 percent 25 to 29 percent 25 to 39 percent 30 to 34 percent 31 to 19 percent 32 to 29 percent 33 percent or more 34 percent 35 to 29 percent 35 to 29 percent 36 to 24 percent 36 to 24 percent 37 to 29 percent 38 to 24 percent 38 to 24 percent 39 to 24 percent 30 to 34 percent	Rentse-eccupied housing units	PERSONS IN UNIT 1 person 2 persons 3 persons 5 persons 6 con more persons 6 widon Totol persons	PLUMBING FACILITIES BY PERSONS PER ROOM Complete plumbing for exclusive use 1.0 or mane persons per room Locking complete plumbing for exclusive use 1.01 or mare persons per room	GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979 Less than 15 percent 20 to 24 percent 25 to 29 percent 35 to 49 percent 35 to 49 percent 35 to 49 percent Mort computed Medion

# 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 oppendixes A and B]

				Mole hous	eholder					Female hou	seholder		
Billings city	Total	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years ond over	Total	15 to 24 yeors	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over
Owner-occupied housing units	2 587	828	87	249	153	172	167	1 759	19	128	94	593	925
PLUMBING FACILITIES Complete plumbing for exclusive use Lacking complete plumbing for exclusive use	2 576 11	824 4	87 -	249	153	1 <b>72</b> -	163 4	1 752 7	19	128	94	586 7	925 -
UNITS IN STRUCTURE  1, detached  2 or more  Mobile home or troiler, etc	1 965 316 306	621 150 57	59 23 5	184 41 24	121 27 5	133 33 6	124 26 17	1 344 166 249	7	100	56 21 17	427 58 108	754 87 84
HOUSEHOLD INCOME IN 1979 Less than \$5,000. \$5,000 to \$9,999. \$10,000 to \$12,499. \$12,500 to \$14,999.	541 760 272 277	128 135 45 97	17 7 5 24	32 26 17 61	6 7 10	51 	67 44 13	413 625 227 180	19 -	16 26 23	4 32 19 5	96 234 100 47	297 314 85
\$15,000 to \$19,999 \$20,000 to \$34,999 \$35,000 to \$49,999	258 285 108 35	126 163 71 23	10 12 5	49 25 31 5	39 45 18 5	14 64 17 13	14 17 - -	132 122 37 12	=	38 25 - - -	16 13 5	56 49 5	85 90 35 60 27 12
\$50,000 or more	\$9 946 \$12 978	\$15 479 \$18 321	\$14 010 \$19 678	\$14 529 \$16 743	\$21 098 \$28 573	\$20 721 \$20 047	\$6 473 \$8 798	\$8 624 \$10 463	\$8 173 \$8 512	\$12 391 \$11 647	\$11 447 \$12 777	\$9 128 \$10 928	\$7 364 \$9 805
OWNER COSTS Specified owner-occupied housing units	1 866	571	54	174	111	108	124	1 295	7	94	56	405	733
With a mortgage Less thon \$200 \$200 to \$249 \$250 to \$299 \$330 to \$349 \$350 to \$349 \$400 to \$499 \$500 to \$599	820 97 104 97 167 100 120	390 39 52 13 79 58 80 43	54 15 11 - 14 - 7 7	159 15 - 8 47 14 53 19	101 9 14 5  33 6 17	64 - 21 - 12 11 14 -	12 - 6 - 6 - -	430 58 52 84 88 42 40 60	7 - 7	81 - - 13 25 21 15 7	49 7 4 11 27 - -	196 51 35 29 19 14 20 22	97 - 13 31 17 - 5 31
\$600 to \$749 \$750 or more Median Not mortgoged Les with \$50	16 16 \$334 <b>1 046</b> 31	16 10 \$360 181 16	\$304 -	\$384 15	13 4 \$384 10	\$346 44	\$275 112	\$312 <b>865</b> 15	\$375 	\$356 13	\$305 7	\$271 <b>209</b>	\$313 636 15
\$50 to \$74 \$75 to \$99 \$100 to \$124 \$125 to \$149 \$150 to \$199 \$200 to \$249 \$250 or more	132 295 246 158 104 48 32	28 74 36 10 11 6	-	6	10 - - - - -	7 8 14 10 5 -	11 60 22 - 6 6	104 221 210 148 93 42 32	-	- - 8 5 -	7	20 43 50 34 31 18 13	84 171 160 106 57 24 19
MedianSELECTED CHARACTERISTICS	\$107	\$91	=	\$50—	\$63	\$113	\$91	\$111	-	\$145	\$88	\$121	\$107
Madian selected monthly owner costs as percentage of household income in 1979  With a mortgage Not mortgaged Income in 1979 below poverty level Percent below poverty level	21.7 31.9 16.1 271 10.5	22.5 26.9 12.0 58 7.0	18.6 18.6 	29.1 29.8 10— 25 10.0	, 18.4 19.6 10— 6 3.9	13.8 20.7 10— 6 3.5	22.2 42.0 21.4 15 9.0	21.3 35.7 16.7 213 12.1	50+ 50+ - -	36.0 36.3 19.1 6 4.7	22.9 24.0 10—	21.9 34.0 14.5 78 13.2	19.1 46.4 17.5 129 13.9
Renter-eccupied housing units	4 672	2 004	495	682	167	428	232	2 668	541	495	149	496	987
PLUMBING FACILITIES Complete plumbing for exclusive use Lacking complete plumbing for exclusive use UNITS IN STRUCTURE	4 360 312	1 752 252	444 51	619 63	141 26	366 62	182 50	2 608 60	523 18	489 6	149	496 -	951 36
1, detoched or attached	994 750 636 860 890 477 65	500 249 248 456 392 116 43	115 129 57 115 71 - 8	187 59 126 166 110 27 7	45 6 27 41 35 13	88 55 38 66 129 24 28	65 - - 68 47 52 -	494 501 388 404 498 361 22	63 102 104 136 109 27	111 140 50 87 93 7	44 23 42 8 26 -	116 105 90 58 96 27 4	160 131 102 115 174 300 5
HOUSEHOLD INCOME IN 1979 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 -	1 592 1 447 567 398 352 161 82	541 554 265 142 256 110	134 185 62 37 54	95 173 135 68 127 49	26 56 6 12 31 7	129 93 56 20 32 44	157 47 6 5 12	1 051 893 302 256 96 51	208 232 38 50 6 7	67 195 87 94 52	41 51 26 18 13	214 128 65 35 7 28	521 287 86 59 18
\$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or more	82 41 32 \$7 497 \$9 095	76 41 19 \$9 173 \$11 045	7 6 \$8 360 \$9 077	49 22 7 6 \$11 352 \$12 226	15 8 6 \$10 625 \$15 049	44 27 20 7 \$9 535 \$12 642	5 - \$4 218 \$5 942	6 - 13 \$6 499 \$7 630	\$6 100 \$6 723	\$9 688 \$9 521	\$8 878 \$8 624	6 - 13 \$6 328 \$9 119	- \$4 836 \$6 280
GROSS RENT Specified renter-occupied housing units Less than \$100 \$100 to \$149 \$150 to \$149 \$150 to \$149 \$200 to \$249 \$250 to \$299 \$3300 to \$349 \$330 to \$349 \$350 to \$399 \$400 to \$499 \$500 or more No cash rent Median	4 617 639 731 1 131 989 496 297 85 62 52 135 \$190	1 977 299 309 507 420 200 111 42 15 25 49 \$187	495 13 81 170 143 33 32 15 - - 8 \$	682 75 64 207 141 111 36 27 9 12 - \$199	160 13 41 22 50 14 9 - 6 - 5 \$202	422 96 109 78 58 31 20 - 13 17 \$148	218 102 14 30 28 11 14 - - 19 \$96	2 640 340 422 624 569 296 186 43 47 27 86 \$192	541 12 106 140 174 45 41 - 9 7 7 7 \$202	488 -9 161 133 75 31 6 7 - \$204	149 5 13 34 45 14 7 14 17 - \$228	491 64 82 100 96 59 40 13 6 7 24	971 259 152 189 121 103 67 10 9 6 55 \$161
SELECTED CHARACTERISTICS Median gross rent as percentage of household income in 1979 Income in 1979 below poverty level Percent below poverty level	27.6 1 002 21.4	24.1 315 15.7	29.2 75 15.2	<b>22.7</b> 49 7.2	17.1 14 8.4	18.0 92 21.5	33.3 85 36.6	29.9 687 25.7	38.1 151 27.9	25.3 55 11.1	36.5 34 22.8	28.9 160 32.3	29.3 287 29.1

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

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

								•	
Billings city	Total	Less thon 2 months	2 up to 6 months	6 or more months	Billings city	Total	Less than 2 months	2 up to 6 manths	6 or more months
Vacant for sale only housing units	312	85	142	85	Vacant for rent housing units	999	681	228	90
ROOMS					ROOMS				
1 to 3 raoms	14 27	6	4 8	4 6	1 room	34	23 78	6	5
5 rooms6 rooms	69 89	13 12 27	57 30	32	3 rooms	308 362	178	70 117	60
7 rooms 8 or more rooms	42 71	27	30 28 15	14 29	5 rooms6 rooms	144	234 120 23	10	14
Median	6.0	5.9	5.6	6.5	7 ar more rooms	39 3.7	23 25 3.8	14 3.8	3.2
PLUMBING FACILITIES					PLUMBING FACILITIES				
Complete plumbing for exclusive use Locking complete plumbing for exclusive use	312 -	85 -	142	85	Camplete plumbing for exclusive use	950	648	222	80
BEDROOMS					Lacking camplete plumbing for exclusive use	49	33	6	10
None	4 10	-	4	- 4	BEDROOMS				
3	84 147	35 33	43 72	6 42	None	34 424	23 289	6 80	5 55 24
4 5 or more	53 14	11	18	24	2	410 110	264 97	122	24
YEAR STRUCTURE BUILT			Ĵ	ĺ	4 5 or more	21	8 -	13	-
1975 to Morch 1980	188	28	102	58	YEAR STRUCTURE BUILT				
1970 to 1974	9 28	- 18	9 5	5	1975 to March 1980	213	128	73	12
1950 to 1959	34 26	18 12	3 10	13 4	1970 to 1974	84 69	62 48	22 13	- 8
1939 or earlier	27	9	13	5	1950 to 1959	174 180	150 119	10 30	14 31
UNITS IN STRUCTURE  1, detached or attached	274	73	122	79	1939 or eorlier	279	174	80	25
7, detached 1 diddred 2 or more 2 or more 2 or more 2 or Mobile home or troiler 2 or more 2 or m	274 22 16	73	122 7 13	6	UNITS IN STRUCTURE				
No. To Allendaria	10	J	13	_	1, detached or attached	283 145	204 99	51 22	28 24
HEATING EQUIPMENT Central heating system	298	85	132	81	3 and 45 to 9	169 210 125	105 108	38 90 15	26 12
Other means	14 -	_	10	4	10 to 49 50 or more Mobile home or trailer	19	110 19 36	12	-
PRICE ASKED						40	30	12	-
Specified vacant for sale only housing units	265	64	122	79	RENT ASKED	999	401	000	90
Less than \$10,000 \$10,000 to \$19,999	- 6	6	-	=	Specified vacant for rent housing units Less than \$100 \$100 to \$149	91 150	681 54 90	228 21 25	16 35
\$20,000 to \$29,999 \$30,000 to \$39,999	- 9 50	- 27	4	5	\$150 to \$199 \$200 to \$249	274 148	190 129	65 19	19
\$40,000 to \$49,999 \$50,000 to \$59,999 \$60,000 ta \$79,999	46 127	27	16 37 65	9 35	\$250 ta \$299	261 - 48	169 29	72 19	20
\$80,000 to \$99,999	13 13 14	- 1	65	13	\$300 ta \$399 \$400 or more Median	27 \$197	20 \$202	\$205	\$128
\$100,000 or more		\$49 600	\$62 200	\$76 600	integral	φ177	\$2UZ	ψ203	4120

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

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

		Price asked	—Specified v	vacant far s	ale only hou	ising units			Rent oske	d — Specified	d vacant for	rent hausing	units	
Billings city	Total	Less thon \$10,000	\$10,000 ta \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollors)	Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or mare	Median (dollors)
Total	265	-	6	59	186	14	65 200	999	91	424	409	48	27	197
PLUMBING FACILITIES														
Complete plumbing for exclusive useLacking complete plumbing for exclusive use	265 -	Ξ	6 -	59 -	186	14 -	65 200 ~	950 49	53 38	413 11	409	48 -	27 	202 80
BEDROOMS														
None	4 10 51 133 53 14	-	6 - - -	4 - 11 34 5 5	- 4 36 89 48 9	- 4 10 -	42 500 17 100 54 000 65 700 73 600 76 100	34 424 410 110 21	19 55 17 - -	9 292 87 36 -	60 281 62 -	5 25 12 6	12 - - 15	95 157 251 222 456
YEAR STRUCTURE BUILT														
1975 to Morch 1980	. 162 . 9 23 22 22 27	-	- - 6 - -	7 - 13 12 27	141 9 23 3 10	14 - - - - -	68 000 72 500 76 600 44 200 49 000 45 200	213 84 69 174 180 279	- 7 - 17 67	32 4 9 84 104 191	167 62 34 85 47 14	14 11 11 5 - 7	7 8 - 12	274 282 234 202 178 153
UNITS IN STRUCTURE														
1, detached or attached 2 or more Mobile home or trailer	265 	:::	 :::	59 	186	14 	65 200	283 668 48	44 47 –	122 282 20	84 297 28	18 30 -	15 12 -	171 202 206

## 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	Housing units				
Places of 50,000 or More and Central Cities of SMSA's	100-percent count	Percent in sample			
The SMSA	42 756	15.9			
PLACES OF 50,000 OR MORE AND CENTRAL CITIES OF SMSA's					
Billings city	28 000	15.9			



## Appendix A.—Area Classifications

REGIONS	A-
STATES	A-
PLACES	A
Incorporated Places	A-
Census Designated Places	A-
STANDARD METROPOLITAN	
STATISTICAL AREAS	A-
Definition	A-1
SMSA Titles	A-
New SMSA Standards	A-2
BOUNDARY CHANGES	A-2
AREA MEASUREMENT	A-2

## **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.

## Appendix B.—Definitions and Explanations of Subject Characteristics

GENERAL	B1	Persons	B6
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sus Group Quarters Data	B-2	Units in Structure	B-6
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ing Houses, Etc	B-2	Passenger Elevator	B-6
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Occupied Housing Units	B-2	Census Plumbing Facilities	
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		and agricultural field for the pr	pul

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 ptocedural 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 cupancy 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 alter-" native 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 guarters, 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.

**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 undoubtly 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 guestion.) 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 livir 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 F).

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 appen-

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.

Madian 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 nonfamily 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.

## 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)

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



## Appendix C.—General Enumeration and Processing Procedures

USUAL PLACE OF RESIDENCE	C-1
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Crews of Merchant Vessels	
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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 longform 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.

## Appendix D. — Accuracy of the Data

D-1
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D-3
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D_6

## 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. these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

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

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

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

## **ERRORS IN THE DATA**

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

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

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

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

## Calculation of Standard Errors

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

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

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

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

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

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

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

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

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

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

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

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

Medians-For the standard error of a median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as N/2). Treat N/2 as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and 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 house-holders. 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 In small counties with a boundaries. sample count of less than 400 persons. the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

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

## **PERSONS**

## Stage I-Type of Household

Group	reisons in mousing office with a
	Family With Own Children
*	Under 18
% <b>1</b> − −	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
<b>5</b>	8 or more persons in housing unit

Persons in Housing Units With a Family Without Own Children Under 18

6-10 2 persons in housing unit through 8 or more persons in housing unit

Persons in All Other Housing Units

11 1 person in housing unit 12-16 2 persons in housing unit through 8 or more persons in housing unit

17 Persons in group quarters

## Stage II—Householder/ Nonhouseholder

Group

Householder

Nonhouseholder (including persons in group quarters)

# Stage III—Age/Sex/Race/Spanish Origin

Group	White Race
4.8	Persons of Spanish Origin
•	Male
1	0 to 4 years of age
2	5 to 14 years of age
<b>3</b> y	15 to 19 years of age
3 / 4 ,	20 to 24 years of age
5 %	25 to 34 years of age
6	35 to 44 years of ago
7	45 to 64 years of ago
8	65 years of age or olde
	,
•	Female
9-16	Same age categories a
	groups 1 to 8

Persons Not of Spanish Origin
17-32 Same age and sex categories as groups 1 to 16

Black Race

33.64 Same age-sex-Spanish origin categories as groups 1 to 32

Asian, Pacific Islander Race
65-96 Same age-sex-Spanish origin
categories as groups 1 to 32

American Indian, Eskimo, or Aleut Race

97-128 Same age-sex-Spanish origin categories as groups 1 to 32

Other Race (includes those races not listed above)

129-160 Same age-sex-Spanish origin categories as groups 1 to 32

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

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

tion procedure. For the first and second stages, any group that did not meet certain criteria concerning the 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
	Housing Units With a Family
	Without Own Children Under 18
6-10	2 persons in housing unit
	through 8 or more persons
	in housing unit

All Other Housing Units

11 1 person in housing unit
12-16 2 persons in housing unit
through 8 or more persons
in housing unit

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

Group	Owner
	White Race (householder)
	Persons of Spanish Origin
	(householder)
	Value of House
1	\$0 to \$9,999
2	\$10,000 to \$19,999
3	\$20,000 to \$24,999
4	\$25,000 to \$49,999
5	\$50,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000+
8	Other Owners

Persons Not of Spanish Origin

9-16	Same value categories					
	as groups 1 to 8					
	Black Race					
17-32	Same value—Spanish origin					
	categories as groups 1					
	to 16					
	A in a Design tolerator Dane					
33-48	Asian, Pacific Islander Race Same value—Spanish origin					
33-40	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 84	\$100 to \$149 \$150 to \$199					
85	\$200 to \$249					
86	\$250 to \$249					
87	\$300 to \$399					
88	\$400 to \$499					
89	\$500+					
90	Other Renter					
91	No Cash Rent					
	Danish at at Charlet					
	Persons not of Spanish origin					
	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					

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

Vacant for Rent
 Vacant for Sale
 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 precanvass 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 In addition, respondents' household. 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, longform 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. 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 renteroccupied 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	2/ Stze of publication area													
Total 1/	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 20	16 21	16 22	16 22	16 22	16 22	16 22	16 22	16 22	16 22	16 22	16 22	16 22	16 22
250	25	30	35	35	35	35	35	35	35	35	35	35	35	35
1 000	_	35 -	45 55	45 65	50 65	50 70	50   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	_	-	_		_	170 170	200 230	210 250	220 270	220 270	220 270	220 270	220 270	220 270
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 5 480
										3.				7 400

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

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

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 percen	<u>l</u> / tage					
	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	θ.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

Table C. Standard Error Adjustment Factors

IPercent of persons or housing units in sample!

Characteristic	Less than 19 Percent	19 to 33 Percent	More than 33 Percent
Household type	1.1	1.1	0.5
Age and sex of householder	1.0	1.0	0.5
Occupancy status	1.1	0.7	0.5
Vacant price asked and vacant rent asked	1.1	0.7	0.5
Tenure	1.1	0.9	0.5
Units in structure	1.1	0.9	0.5
Stories in structure	0.9	0.8	0.4
Passenger elevator	0.9	0.7	0.4
Persons in unit	1.1	1.0	0.5
Year structure built	1.1	0.9	0.5
Year householder moved into			
housing unit	1.1	1.0	0.5
Heating equipment and fuel	1.1	0.9	0.5
Number of bedrooms	1.1	1.0	0.6
Rooms	1.1	i.0	0.5
Telephone in housing unit	1.1	1.0	0.5
Air conditioning	1.3	1.1	0.6
Vehicles available	1.1	1.0	0.5
Gross rent and contract rent	1.1	0.9	0.5
Gross rent as a percentage of household			
income in 1979	1.1	0.8	0.5
Mortgage status and selected monthly			
owner costs	1.1	0.8	0.5
Household income	1.1	1.0	0.5
Poverty status: Housing	1.1	1.0	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

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

#### **INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10**

- 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.
- 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 "O" 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.

 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 By the week	30
Every other we	ek 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, well, or pipeless furnace delivers warm eir 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 instelled 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.

 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 nr 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.
  - 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.
- If the person works only during certain seasons or on a day-to-day basis when work is available, mark No.
- 26a. Mark Yes if the person tried to get a job or to start a business or professional practice at any time in the last four weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.
  - b. Mark No, already has a job if the person was on layoff or was expecting to report to a job within 30 days.

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

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

#### **INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29**

- 27. Look at the instructions for 22a to see what to count as work. Mark Never worked if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm and (3) never served in the Armed Forces.
- 28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."
  - b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity at the place where the person works. Enter what is made, what is sold, or what service is given.

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

Unacceptable	Acceptable
Furniture company	Metal furniture manufacturing
Grocery store	Wholesale grocery store
Oil company	Retail gas station
Ranch	Cattle ranch

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

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

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

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

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

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

Unacceptable	Acceptable
Clerk	Production clerk
Helper	Carpenter's helper
Mechanic	Auto engine mechanic
Nurse	Registered nurse

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

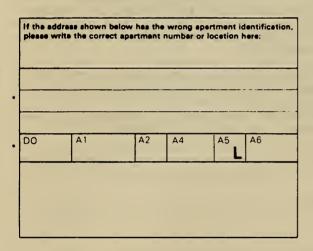
### **INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33**

- 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.
  - 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.
- Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.
- 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



### 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.

U.S. Department of Commerce Bureau of the Census Form D-2

Please continue -

### Page 1

### 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.

1. What is the name of each person who was living

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.

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#### Note

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

Then please:

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

ge 2	_	ALSO ANSWER THE HOUSING QUESTIONS ON PA	AGE 3
Here are the	These are the columns	PERSON in column 1 PERSON in column 2	
QUESTIONS	Please fill one column for each person listed in Question 1.		Middle initie
in column :  Fill one circle  If "Other rela	person related to the person 1?  e.  ative" of person in column 1, lationship, such as mother-in-law,	If relative of person in column 1:   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.   If not related to person in column 1:   Roomer, boarder   Other nonre   Partner, roommate   Paid employee	ive
3. Sex Fill one	e circle.	O Male O Female O Male O Female	=/
4. Is this person		O White O Asian Indian O Black or Negro O Hawaiian O Japanese O Guamanian O Chine'se O Samoan O Korean O Aleut O Vietnamese O Other — Specify O Indian (Amer.) Print tribe → Asian Indian O White O Asian Indian O Black or Negro O Hawaiian	\
a. Print age at b. Print month	and fill one circle.  The spaces, and fill one circle	b. Month of birth   9 0   1 0   1 0   b. Month of birth   9 0   1 0   1 0   2 0   2 0   3 0   3 0   4	000000
6. Marital stat			0
7. Is this personigin or de		O No (not Spanish/Hispanic) O Yes, Mexican, Mexican-Amer., Chicano O Yes, Puerto Rican O Yes, Cuban O Yes, Other Spanish/Hispanic O Yes, other Spanish/Hispanic O Shriced O No (not Spanish/Hispanic) O Yes, Mexican, Mexican-Amer., Chicano O Yes, Puerto Rican O Yes, Cuban O Yes, other Spanish/Hispanic	icano
attended re any time? kindergarten, e	uary 1, 1980, has this person agular school or college at Fill one circle. Count nursery school, elementary school, and schooling which school diploma or college degree.	<ul> <li>No, has not attended since February 1</li> <li>Yes, public school, public college</li> <li>Yes, private, church-related</li> <li>Yes, private, not church-related</li> <li>Yes, private, not church-related</li> </ul>	ry 1
	highest grade (or year) of ool this person has ever	Highest grade attended:  O Nursery school Elementary through high school (grade or year)  1 2 3 4 5 6 7 8 9 10 11 12  O O O O O O O O O O O O O O O O O O O	year)
person is in.	ding school, mark grade if high school was finished cy test (GED), mark "12."	College (academic year)	
	erson finish the highest year) attended? cle.	O Now attending this grade (or year) O Finished this grade (or year) O Did not finish this grade (or year) O Did not finish this grade (or year)	
		CENSUS USE ONLY A. OI ON OO USE ONLY A. OI ON O	0

Page 3

		VER QUESTIONS H1 — H12	3
PERSON in column 7	If you listed more than 7 persons in Question 1, FOR YOUR	R HOUSEHOLD	
The second secon	please see note on page 20.		
If relative of person in column 1:	H1. Did you leave anyone out of Question 1 because you were not sure if the person should be listed — for example, a new baby still in the hospital, a lodger who also has another home, or a person who stays here	○ No	
O Husband/wife   O Father/mother	once in a while and has no other home?	O Yes, a condominium	41
O Son/daughter O Other relative	O Yes — On page 20 give name(s) and reason left out.	H10. If this is a one-family house —	Г
O Brother/sister	O No	a. Is the house on a property of 10 or more acres?  O Yes  O No	
If not related to person in column 1:	H2. Did you list anyone in Question 1 who is away from home now — for example, on a vacation or in a hospital?		4
O Roomer, boarder O Other nonrelative. O Paid employee	Yes — On page 20 give name(s) and reason person is away.	b. Is any part of the property used as a commercial establishment or medical office?  O Yes  O No	
	H3. Is anyone visiting here who is not already listed?	H11. If you live in a one-family house or a condominium	+
O Male O Female	O Yes — On page 20 give name of each visitor for whom there is no one	unit which you own or are buying -	
O White O Asian Indian	at the home address to report the person to a census taker.	What is the value of this property, that is, how	
O Black or Negro O Hawaiian	O No	much do you think this property (house and lot or condominium unit) would sell for if it were for sale?	,
O Japanese O Guamanian O Chinese O Samoan	H4. How many living quarters, occupied and vacant, are at this	Solidarina and and activity would sell to the word for seller	
O Filipino O Eskimo	address?	Do not answer this question if this is -	
O Korean O Aleut	One 2 apartments or living quarters	A mobile home or trailer     A house on 10 or more acres	1
O Vietnamese O Other — Specify Indian (Amer.)	2 apartments or living quarters     3 apartments or living quarters	A house with a commercial establishment	П
Print	O 4 apartments or living quarters	or medical office on the property	1
tribe	5 apartments or living quarters     6 apartments or living quarters	O Less than \$10,000 O \$50,000 to \$54,999	1
a. Age at last c. Year of birth birthday [ 1 ]	O 7 apartments or living quarters	O \$10,000 to \$14,999 O \$55,000 to \$59,999	
	O 8 apartments or living quarters	○ \$15,000 to \$17,499 ○ \$60,000 to \$64,999 ○ \$17,500 to \$19,999 ○ \$65,000 to \$69,999	I
1 • 18 0 10 0 10 0 10 0 10 0 10 0 10 0 1	9 apartments or living quarters     10 or more apartments or living quarters	○ \$20,000 to \$22,499 ○ \$70,000 to \$74,999	1
b. Month of   9 0   1 0   1 0   1 0   1 0   2 0   2 0   2 0		○ \$22,500 to \$24,999 ○ \$75,000 to \$79,999	
3030	O This is a mobile home or trailer	O \$25,000 to \$27,499 O \$80,000 to \$89,999	
4040	15. Do you enter your living quarters —	○ \$27,500 to \$29,999 ○ \$90,000 to \$99,999 ○ \$30,000 to \$34,999 ○ \$100,000 to \$124,999	
O Jan.—Mar. 6 0 6 0	O Directly from the outside or through a common or public hall?	O \$35,000 to \$39,999 O \$125,000 to \$149,999	
O Apr.—June 7 0 7 0	Through someone else's living quarters?	O \$40,000 to \$44,999 O \$150,000 to \$199,999	
O July-Sept.   8 O   8 O   9 O	H6. Do you have complete plumbing facilities in your living quarters, that is, hot and cold piped water, a flush toilet, and a bathtub or	○ \$45,000 to \$49,999 ○ \$200,000 or more	4
0 00. 000.	shower?	H12. If you pay rent for your living quarters —	ı
O Now married O Separated	O Yes, for this household only	What is the monthly rent?  If rent is not paid by the month, see the instruction	
O Widowed O Never married O Divorced	O Yes, but also used by another household	guide on how to figure a monthly rent.	١.
	No, have some but not all plumbing facilities     No plumbing facilities in living quarters	O Less than \$50 O \$160 to \$169	ľ
<ul> <li>No (not Spanish/Hispanic)</li> <li>Yes, Mexican, Mexican-Amer., Chicano</li> </ul>	H7. How many rooms do you have in your living quarters?	○ \$50 to \$59 ○ \$170 to \$179 ○ \$60 to \$69 ○ \$180 to \$189	I
O Yes, Puerto Rican	Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.	0 \$70 to \$79 0 \$190 to \$199	1
O Yes, Cuban	O 1 room O 4 rooms O 7 rooms	O \$80 to \$89	
O Yes, other Spanish/Hispanic	○ 2 rooms ○ 5 rooms ○ 8 rooms	O \$90 to \$99	
O No, has not attended since February 1	O 3 rooms O 6 rooms O 9 or more rooms	○ \$100 to \$109 ○ \$250 to \$274 ○ \$110 to \$119 ○ \$275 to \$299	
O Yes, public school, public college	H8. Are your living quarters —	0 \$120 to \$129	
<ul> <li>Yes, private, church-related</li> <li>Yes, private, not church-related</li> </ul>	Owned or being bought by you or by someone else in this household		I
	Rented for cash rent?     Occupied without payment of cash rent?	○ \$140 to \$149	1
Highest grade attended:	······		4
O Nursery school O Kindergarten	FOR CENSUS US	- minimum in	4
Elementary through high school (grade or year)  1 2 3 4 5 6 7 8 9 10 11 12	A4. Block   A6. Serial   B. Type of unit or quarters For vacant u		2
000000 00 000 0	Occupied O Year	round use O Less than 1 month	
	Continuation O Seas	onal/Mig. — Sklp C2, Up to 6 months	-
1 2 3 4 5 6 7 8 or more	C2. Vacancy		
0000000	a a a a a a a a a a a a a a a a a a a		1
O Never attended school-Skip question 10	333 3333 O Regular O Fors	ale only O 2 or more years 3 3 3	
Now attending this grade (or year)	elsewhere O Kenti	for occasional use  E. Indicators  4 4 4 5 5 5	
O Finished this grade (or year)	GGG GGGG Group quarters O Othe	r vacant 1. 00 Mail return 666	
O Did not finish this grade (or year)	2 2 2 2 2 2 2 O First form C3. Is this un	it boarded up? 2. O Pop./F 2 ? ?	1
CENSUS A. OI ON OO	888 8888 O Continuation O Yes	0 No 00 999	_
USE ONLY			

. Which best describes this building?	ALSO ANSWER THESE H21a. Which fuel is used most for house heating?	CENSUS
Include all opartments, flats, etc., even if vacant.		USE
	O Gas: from underground pipes  Coal or coke	H22a.
O A mobile home or trailer	serving the neighborhood Wood	
A one-family house detached from any other house	O Gas: bottled, tank, or LP O Other fuel	000
A one-family house attached to one or more houses	O Electricity O No fuel used	I I
O A building for 2 families	O Fuel oil, kerosene, etc.	S S
O A building for 3 or 4 families	b. Which fuel is used most for water heating?	3 3
O A building for 5 to 9 families	THE RESIDENCE OF THE PROPERTY	9 9 1
O A building for 10 to 19 families	O Gas: from underground pipes	5 5
O A building for 20 to 49 families	serving the neighborhood Wood	6 6 0
O A building for 50 or more families	Gas: bottled, tank, or LP Other fuel	7 7
0. 44 - 4 4 - 4 4 -	( ) Electricity	88
O A boat, tent, van, etc.	O Fuel oil, kerosene, etc.	99
a. How many stories (floors) are in this building?	c. Which fuel is used most for cooking?	H22b.
Count an attic or basement as a story if it has any finished rooms for living purposes	s. O Gas: from underground pipes O Coal or coke	00
	serving the neighborhood	1 1
0 1 to 3 — Skip to H15 0 7 to 12	O Gas: bottled, tank, or LP	8 8
O 4 to 6 O 13 or more stories	O Electricity Other fuel	3 3
	O Fuel oil, kerosene, etc.	99
b. Is there a passenger elevator in this building?		5 5
O Yes O No	H22. What are the costs of utilities and fuels for your living quarters?	6 6
	a. Electricity	7 7
a to this hullding	\$ .00 OR O Included in rent or no charge	8 8
a. Is this building —	Average monthly cost   © Electricity not used	9 9
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?	b. Gas	H22c.
On a place of 10 or more acres?	\$ .00 OR O Included in rent or no charge O Gas not used	00
	Average monthly cost Gas not used	1 1
b. Last year, 1979, did sales of crops, livestock, and other farm products	c. Water	] è è
from this place amount to —	\$ .00 OR O Included in rent or no charge	3 3
		1
O Less than \$50 (or None) O \$250 to \$599 O \$1,000 to \$2,499	Yearly cost	
○ \$50 to \$249	d. Oil, coal, kerosene, wood, etc.	5 5
	e on op O Included in rent or no charge	66
. Do you get water from —	There finds not used	? ?
A public system (city water department, etc.) or private company?	Yearly cost	8 8
		9 9
	H23. Do you have complete kitchen facilities? Complete kitchen facilities	
An individual drilled well?     An individual drig well?	H23. Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.	1106
O An individual dug well?	are a sink with piped water, a range or cookstove, and a refrigerator.	H22d.
		000
O An individual dug well?	are a sink with piped water, a range or cookstove, and a refrigerator.	000
An individual dug well?     Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer?	ere a sink with piped water, a range or cookstove, and a refrigerator.  O Yes  No	2 S S S S S S S S S S S S S S S S S S S
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> </ul>	ere a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.	2 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> <li>No, connected to septic tank or cesspool</li> </ul>	ere a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms	0000
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> </ul>	ere a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.	000 111 222 333 444 555
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)? Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  3 bedrooms  5 or more bedrooms	000 111 222 333 444 555 666
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  About when was this building originally built? Mark when the building was	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  3 bedrooms  5 or more bedrooms  H25. How many bathrooms do you have?	000 111 222 333 444 555
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> <li>No, connected to septic tank or cesspool</li> <li>No, use other means</li> <li>About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</li> </ul>	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  3 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	000 111 222 333 444 555 666
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> <li>No, connected to septic tank or cesspool</li> <li>No, use other means</li> <li>About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</li> <li>1979 or 1980</li> <li>1960 to 1969</li> <li>1940 to 1949</li> </ul>	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  3 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.	000 111 223 333 444 555 666 777
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> <li>No, connected to septic tank or cesspool</li> <li>No, use other means</li> <li>About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</li> <li>1979 or 1980</li> <li>1960 to 1969</li> <li>1940 to 1949</li> <li>1975 to 1978</li> <li>1950 to 1959</li> <li>1939 or earlier</li> </ul>	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  H25. How many bathrooms do you have?  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet or bathtub or shower, but does	000 111 222 333 444 555 666 777 888
<ul> <li>An individual dug well?</li> <li>Some other source (a spring, creek, river, cistern, etc.)?</li> <li>Is this building connected to a public sewer?</li> <li>Yes, connected to public sewer</li> <li>No, connected to septic tank or cesspool</li> <li>No, use other means</li> <li>About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</li> <li>1979 or 1980</li> <li>1960 to 1969</li> <li>1940 to 1949</li> </ul>	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  4 complete bathroom is a room with flush tollet, bathtub or shower, and wath basin with piped water.  A half bathroom has at least a flush tollet of bathtub or shower, but does not have all the facilities for a complete bathroom.	000 111 222 333 444 555 666 777 888
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  3 bedrooms  5 or more bedrooms  4 bedrooms  5 or more bedrooms  4 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	000 111 222 333 444 555 666 777 888
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  5 or more bedrooms  hedrooms  5 or more bedrooms  M25. How many bathrooms do you have?  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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	000 111 222 333 444 555 666 777 888
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)?	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  5 or more bedrooms  1 bedrooms  4 bedrooms  5 or more bedrooms  M25. How many bathrooms do you have?  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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)	0 0 0 1 1 1 1 2 2 3 3 3 4 4 4 5 5 6 6 6 7 7 7 8 8 8 9 9 9 9
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  5 or more bedrooms  hedrooms  5 or more bedrooms  M25. How many bathrooms do you have?  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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	000 III 222 333 444 555 666 777 888 999
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)?	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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, plus half bath(s)  2 or more complete bathrooms	0 0 0 1 1 1 2 2 3 3 3 4 4 4 4 5 5 5 6 6 7 7 7 8 8 9 9 9 9 0 1 1 1 2 2 2
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1940 to 1949 1975 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1950 to 1959	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  H24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  5 or more bedrooms  1 bedrooms  4 bedrooms  5 or more bedrooms  M25. How many bathrooms do you have?  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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)	0 0 0 1 1 1 2 2 3 3 3 4 4 5 5 6 6 7 7 7 8 8 9 9 9 0 1 1 2 2 3 3 3
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1950 to 1959 1975 to 1978 1999 or earlier	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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, plus half bath(s)  2 or more complete bathrooms	0 0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 9 1 1 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1979 or 1980 1975 to 1978 1970 to 1974 Always lived here	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  No  No bedrooms of 2 bedrooms of 4 bedrooms  No bedrooms of 3 bedrooms of 5 or more bedrooms  No bedrooms of 3 bedrooms of 5 or more bedrooms  No bedrooms of 3 bedrooms of 5 or more bedrooms  No bedrooms of 3 bedrooms of 5 or more bedrooms  No bedrooms of 3 bedrooms of 5 or more bedrooms  No bedrooms of 3 bedrooms of 5 or more bedrooms  No bedroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet of 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?  No	0 0 0 1 1 1 2 2 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1950 to 1959 1975 to 1978 1970 to 1974 Always lived here 1960 to 1969	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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?	00123345667899 01123345667899 0112334566
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1950 to 1959 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  No  No bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom 2 bedrooms 4 bedrooms  1 bedroom 3 bedrooms 5 or more bedrooms  No bedroom 1 a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet of 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  No bathrooms  No bathroom in your living quarters?  Yes  No  No  No  No  No  No  No  No  No  N	000 112334556677899 011233456677899
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1970 to 1974 New are your living quarters heated? Fill one circle for the kind of heat used most.	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  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 of bathtub or shower, but does not have all the facilities for a complete bathroom.  No bathroom, or only a half 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  No  No you have air conditioning?  Yes, a central air-conditioning system	Ø Ø Ø I I Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  How are your living quarters heated? Fill one circle for the kind of heat used most. Steam or hot water system	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wath basin with piped water.  A half bathroom has at least a flush tollet of 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  No  Yes, a central air-conditioning system  Yes, 1 individual room unit	000 112334556677899 011233456677899
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1950 to 1959 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  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	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  3 bedrooms  5 or more bedrooms  4 bedrooms  5 or more bedrooms  4 complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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, plus half bath(s)  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  No  Yes, a central air-conditioning system  Yes, 1 individual room unit  Yes, 2 or more individual room units	0012334566789 01123456789 01123456789
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1975 to 1978 1950 to 1959 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1979 or 1980 1975 to 1978 1979 or 1980 1970 to 1974 Always lived here 1960 to 1969  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)	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wath basin with piped water.  A half bathroom has at least a flush tollet of 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  No  Yes, a central air-conditioning system  Yes, 1 individual room unit	Ø Ø Ø I I Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1979 or 1980 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  How are your living quarters heeted? 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	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  M24. How many bedrooms do you have? Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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  2 or more complete bathrooms  No bathroom, plus half bath(s)  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  No  No  Yes, a central air-conditioning system  Yes, 1 individual room unit  Yes, 2 or more individual room units  No	0012334566789 01123456789 01123456789
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (ar apartment)? 1979 or 1980 1975 to 1978 1979 or 1980 1950 to 1959 1975 to 1978 1970 to 1974 Always lived here 1960 to 1969  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,	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  No  M24. How many bedrooms do you have? Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet of bathtub or shower, but does not have all the facilities for a complete bathroom.  No bathroom, or only a half bathroom  1 complete bathroom  2 or more complete bathrooms  No bathroom, or only a half bath(s)  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  No  H27. Do you have air conditioning?  Yes, a central air-conditioning system  Yes, 2 or more individual room units  No  No  No  H28. How many automobiles are kept at home for use by members	0 0 0 1 1 2 3 3 4 5 5 6 6 7 7 8 9 9 0 0 1 1 2 3 3 4 5 5 6 7 7 8 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1970 to 1974 Always lived here 1960 to 1969 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	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wath basin with piped water.  A half bathroom has at least a flush tollet of bathtub or shower, but does not have all the facilities for a complete bathroom.  No bathroom, or only a half bathroom  1 complete bathroom  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  No  H27. Do you have air conditioning?  Yes, a central air-conditioning system  Yes, 2 or more individual room units  No  No  H28. How many automobiles are kept at home for use by members of your household?	Ø Ø I I 2 3 3 4 4 5 6 6 7 7 8 9 9 9 I I 2 3 3 4 5 6 6 7 7 8 9 9 9 I I 2 3 3 4 5 6 6 7 7 8 9 9 9 I I 2 2
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (ar apartment)? 1979 or 1980 1975 to 1978 1979 or 1980 1950 to 1959 1975 to 1978 1970 to 1974 Always lived here 1960 to 1969  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,	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  5 or more bedrooms  heteroom so you have?  A complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet 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, plus half bath(s)  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  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  2 bedrooms  A bedrooms  4 bedrooms  5 or other purposes.  A bedrooms  5 or more bedrooms  4 bedrooms  5 or more bedrooms  4 bedrooms  5 or more bedrooms  4 bedrooms  5 or more bedrooms  H25. How many automobiles are kept at home for use by members  of your household?  None	001233456789901233456789901233456789901233456789901233456789901233
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1949 or earlier 1970 to 1974 New 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, celling, or baseboard)	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  A complete bathroom is a room with flush tollet, bathtub or shower, and wath basin with piped water.  A half bathroom has at least a flush tollet of bathtub or shower, but does not have all the facilities for a complete bathroom.  No bathroom, or only a half bathroom  1 complete bathroom  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  No  H27. Do you have air conditioning?  Yes, a central air-conditioning system  Yes, 2 or more individual room units  No  No  H28. How many automobiles are kept at home for use by members of your household?	0 1 2 3 4 5 6 7 8 9 0 1 2
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  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	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  4 bedrooms  5 or more bedrooms  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 of bathtub or shower, but does not have all the facilities for a complete bathroom.  No bathroom, or only a half 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  No  No  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  2 automobile  3 or more automobiles	000 1123345667889 01123345667889 01123345667889 01123345567889
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (ar apartment)? 1979 or 1980 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  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, celling, or baseboard)  Floor, wall, or pipeless furnace Room heaters with flue or vent, burning gas, oil, or kerosene	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No    No   No   No   No   No	Ø I 2 3 4 5 6 7 8 9 Ø I 2 3 4 5 6 7 8 9 Ø I 2 3 4 5 6 7 8 9 Ø I 2 3 4 5 6 6 7 8 9 Ø I 2 3 4 5 6 6
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  How are your living quarters heeted? 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, ceilling, or baseboard)  Floor, wall, or pipeless furnace Room heaters with flue or vent, burning gas, oil, or kerosene (not portable).	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No    No   No   No   No   No	Ø I 2 3 3 4 5 6 7 8 9 9 0 I 2 3 4 5 6 7 8 9 9 0 I 2 3 4 5 6 7 8 9 9 0 I 2 3 4 5 6 7 8 9 0 0 I 2 3 4 7 8 9 0 0 I 2 3 4 7 8 9 0 0 I 2 3 4 7 8 9 0 0 I 2 3 4 7 8 9 0 0 I 2 3 4 7 8
An individual dug well? Some other source (a spring, creek, river, cistern, etc.)?  Is this building connected to a public sewer? Yes, connected to public sewer No, connected to septic tank or cesspool No, use other means  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 1960 to 1969 1975 to 1978 1950 to 1959 1939 or earlier 1970 to 1974  When did the person listed in column 1 move into this house (or apartment)? 1979 or 1980 1975 to 1978 1949 or earlier 1970 to 1974 Always lived here 1960 to 1969  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, celling, or baseboard)  Floor, wall, or pipeless furnace Room heaters with flue or vent, burning gas, oil, or kerosene	are a sink with piped water, a range or cookstove, and a refrigerator.  Yes  No  No  M24. How many bedrooms do you have?  Count rooms used mainly for sleeping even if used also for other purposes.  No bedroom  2 bedrooms  5 or more bedrooms  1 bedrooms  5 or more bedrooms  4 complete bathroom is a room with flush tollet, bathtub or shower, and wash basin with piped water.  A half bathroom has at least a flush tollet of bathtub or shower, but does not have all the facilities for a complete bathroom.  No bathroom, or only a half bathroom  1 complete bathroom  2 or more complete bathrooms  H26. Do you have a telephone in your living quarters?  Yes  No  No  H27. Do you have air conditioning?  Yes, a central air-conditioning system  Yes, 2 or more individual room units  No  No  H28. How many automobiles are kept at home for use by members of your household?  None  2 automobiles  1 automobile  3 or more automobiles  H29. How many vans or trucks of one-ton capacity or less are kept at	Ø I 2 3 4 5 6 7 8 9 Ø I 2 3 4 5 6 7 8 9 Ø I 2 3 4 5 6 7 8 9 Ø I 2 3 4 5 6 6 7 8 9 Ø I 2 3 4 5 6 6

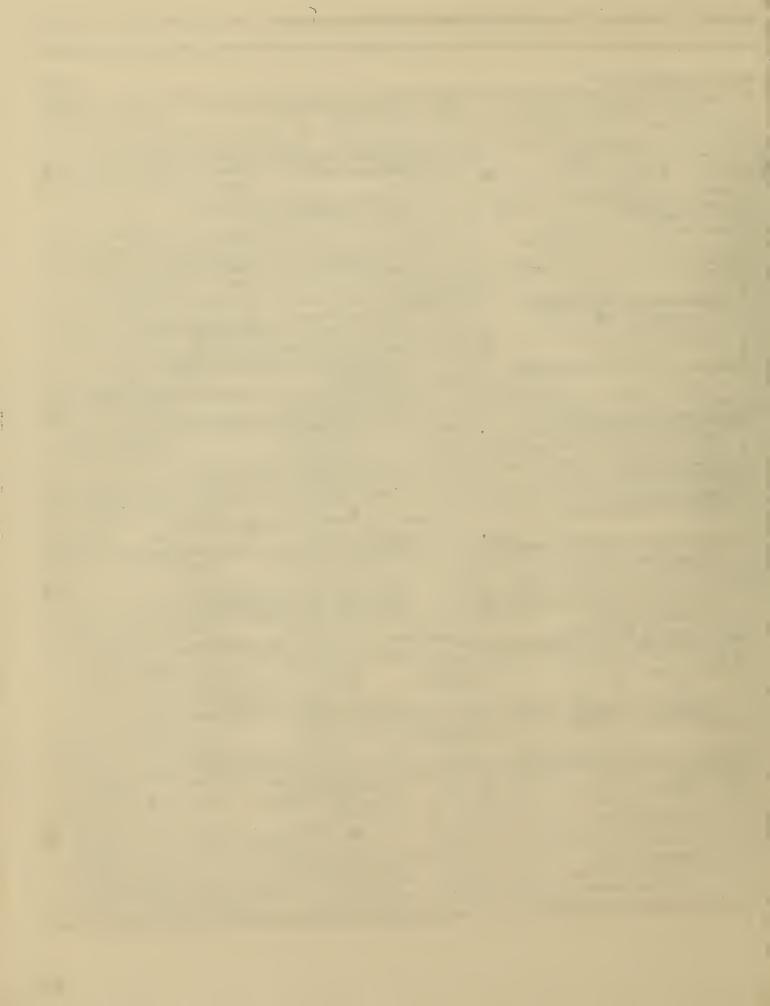
R YOUR HOUSEHOLD							Pa
Please answer H30-H32 If you live in a one-family house							
which you own or are buying, unless this is -							
A mobile home or trailer							
A house on 10 or more acres If any of these, or if you	ou rent your unit	r this is a					
A condominium unit	, skip H30 to H32	and turn to	page 6.				
A house with a commercial establishment or medical office on the property							
. What were the real estate taxes on this property last year?					y payment to		
\$ .00 OR O None .				this property			
. What is the annual premium for fire and hazard insurance on this property?	- \$			00 OR O	No regular pa	ayment requ	ired — Skip to page
What is the annual profitation for the site heart insulation on any property.	d Does	VOLIT PRO	ular monthly	v navment (s	mount entere	d in H32c)	include
\$ .00 OR ○ None				axes on this		d III IIJEC)	meiaae
		Vac tave	r included in				
a. Do you have a mortgage, deed of trust, contract to purchase, or similar			s included in				
debt on this property?	0	No, taxes	paid separat	tely or taxes r	ot required		
O Yes, mortgage, deed of trust, or similar debt					emount entere		include
O Yes, contract to purchase				ed in paymen			
O No — Skip to page 6				parately or no			
Do you have a second or junior mortgage on this property?						_	
O Yes O No							
					Please tur	n to page	6
							_
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FOR CEN:	(1) S.S.	3 3 3 3 0 0	000 111 222 333 444	S.S. 1 2 Yes 3 4	0 0 0 0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4	S.S. 1 2 Yes 3 4-	0 0 0 0 1 1 1 1 2 2 2 3 3 3 3 3 4 4 4 9
FOR CEN:	S.S. Yes	3 3 5 5 1 1 0 0	000 111 222 333 444 555 666	S.S. 1 2 Yes 3 4 0 5 6	0 0 0 0 0 1 1 1 1 1 1 2 2 2 2 3 3 3 3 3 4 4 4 4 4 5 5 5 5 6 6 6 6	S.S. 1 Yes 3 4-5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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FOR CENS	I S.S. Yes No S.S. Yes	0 0 1 1 2 2 3 3 4 4 5 6 7 8 9	Ø Ø Ø I I 2 2 3 3 4 4 5 5 6 6 7 7 8 9 9 9 4	S.S. I 2 3 4 5 5 6 7 0 5 5 8 5 1 2 5 5 8 5 1 2 7 5 5 6 7 7 5 5 6 7 7 5 7 5 7 5 7 5 7 5	0 0 0 0 1 1 1 1 1 1 2 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	S.S. 1 2 Yes 3 4 6 No 7 9 9 6 2. S.S. 1 2 Yes 3 4	0 0 0 0 1 1 1 1 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
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FOR CENS	I S.S. Yes O No O S.S. Yes O No O Ves O	0 1 1 2 3 3 4 4 5 6 7 8 9 1 2 2 3 3 4 5 5 6 7 8 9 1 2 2 3 3 4 5 5	Ø123456789         Ø123456789         Ø123456789         Ø123456789         Ø123456789         Ø123456789         Ø123456789	S.S. I 2 3 4 5 5 No 7 8 9 GQ. GQ. GQ. GQ. S 5 5 5 5	0 0 0 0 1 1 1 1 2 2 2 3 3 4 4 4 5 5 5 5 6 6 6 7 7 7 8 8 8 9 9 9 8 8 8 8 9 9 9 8 8 8 8	S.S. 1 2 3 4 5 5 5 5 5 S.S. 1 2 3 3 4 5 5 5	Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø

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### ANSWER THESE QUESTIONS FOR

Name of Person 1 on page 2:	16. When was this person born?  O Born before April 1965 —  Please go on with questions 17-33	22a. Did this person work at any time last week?  O Yes — Fill this circle if this O No — Fill this circle person worked full If this person
Lest name First name Middle initial  11. In what State or foreign country was this person born?	Turn to next page for next person	time or part time. did not work,  (Count part-time work or did only own such as delivering papers, housework.
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.	17. In April 1975 (five years ago) was this person — a. On active duty in the Armed Forces?  O Yes O No	or helping without pay in school work, a family business or farm. or volunteer Also count active duty work.
	b. Attending college?  O Yes O No	In the Armed Forces.)  Skip to 25
Name of State or foreign country; or Puerto Rico, Guam, etc.		b. How many hours did this person work last week
12. If this person was born in a foreign country —  a. Is this person a naturalized citizen of the United States?	O Yes, full time O No O Yes, part time	(at all jobs)?  Subtract any time off; add overtime or extra hours worked.
O Yes, a naturalized citizen	18a. Is this person a veteran of active-duty military service in the Armed Forces of the United States?	Hours
No, not a citizen     Born abroad of American parents	If service was in National Guard or Reserves only, see instruction guide.	23. At what location did this person work last week?  If this person worked at more than one location, print
b. When did this person come to the United States to stay?	○ Yes ○ No — Skip to 19	where he or she worked most last week.
O 1975 to 1980 O 1965 to 1969 O 1950 to 1959 O 1970 to 1974 O 1960 to 1964 O Before 1950	This denote for each period in which this person served.	If one location cannot be specified, see instruction guide.  a. Address (Number and street)
13a. Does this person speak a language other than English at home?	<ul> <li>○ February 1955—July 1964</li> <li>○ Korean conflict (June 1950—January 1955)</li> <li>○ World War II (September 1940—July 1947)</li> </ul>	If street address is not known, enter the building name, shopping center, or other physical location description.
O Yes O No, only speaks English — Skip to 14	world war I (April 1917-November 1918)	b. Name of city, town, village, borough, etc.
b. What is this language?	19. Does this person have a physical mental, or other health condition which has lasted for 6 or more	
(For example – Chinese, Italian, Spanish, etc.)	months and which	c. Is the place of work inside the incorporated (legal) limits of that city, town, village, borough, etc.?
c. How well does this person speak English?	a. <u>Limits</u> the kind or amount of work this person can do at a job?	O Yes O No, in unincorporated area
O Very well O Not well O Well O Not at all	b. Prevents this person from working at a job? O C. Limits or prevents this person	d. County
14. What is this person's ancestry? If uncertain about	from using public transportation?	
how to report ancestry, see instruction guide.	20. If this person is a female – None 1 2 3 4 5 6  How many babies has she ever	e. State t. ZIP Code
	had, not counting stillbirths?	24a. Last week, how long did it usually take this person
(For example: Afro-Amer., English, French, German, Honduran	Do not count her stepchildren 7 8 9 10 11 12 or more or children she has adopted.	to get from home to work (one way)?
Hungarian, Irish, Italian, Jamaican, Korean, Lebanese, Mexican,		Minutes
Nigerian, Polish, Ukrainian, Venezuelan, etc.)	21. If this person has ever been married —  a. Has this person been married more than once?	b. How did this person usually get to work last week?
15a. Did this person live in this house five years ago	O Once O More than once	If this person used more than one method, give the one
(April 1, 1975)?  If in college or Armed Forces in April 1975, report place	b. Month and year Month and year	usually used for most of the distance.  Car  Taxicab
of residence there.	of marriage? of first marriage?	O Truck Motorcycle
O Born April 1975 or later - Turn to next page for next person		O Van O Bicycle O Bus or streetcar O Walked only
O Yes, this house - Skip to 16	(Month) (Year) (Month) (Year)	O Railroad O Worked at home
O No, different house	c. If married more than once — Did the first marriage end because of the death of the husband (or wife)?	O Subway or elevated O Other — Specify
b. Where did this person live five years ago (April 1, 1975)?	O Yes O No	If car, truck, or van in 24b, go to 24c. Otherwise, skip to 28.
(1) State, foreign country,		
Puerto Rico, Guam, etc.:	Per.   11.	15b. 23.
Guam, etc.:		
(2) County:		333 333 333 333 333 33
(3) City, town,		
village, etc.:	5   5 5 5   5 5 5     5 5 5   5 5 5 5	555 555   555 555 555   55   666 666   666 666   66
(4) Inside the incorporated (legal) limits of that city, town, village, etc.?  O Yes O No, in unincorporated area	7   7   7   7   7   7   7   7   7   7	
O Yes O No, in unincorporated area		33333333333

RSON 1 ON PAGE 2						Page	7
c. When going to work last week, did this person usually —	CENSUS	31a. Last year (1979), did this person days, at a paid job or in a busine		CENSU	JS US	E ONLY	
O Drive alone — Skip to 28 O Drive others only O Share driving O Ride as passenger only	21b.	O Yes	O No — Skip to 31d	31ь. 3	lc.	31d.	
d. How many people, including this person, usually rode	100	O res	O No — Skip to 31d		0 0 I I	00	
to work in the car, truck, or van last week?	0 5 5	b. How many weeks did this person			SS	S S I I I	
0 2 0 4 0 6 0 3 0 5 0 7 or mare	1133	Count paid vacation, paid sick leave,	and military service.	1	33	33	
O 3 O 5 O 7 or more  After answering 24d, skip to 28.	111 5.5		Weeks		5 5	55	
25. Was this person temporarily absent or on layoff from a job	0 6 6	c. During the weeks worked in 197			66	6	
or business <u>last week</u> ?  O Yes, on layoff	IV S S	this person usually work each w		1 1	88	8	
O Yes, on vacation, temporary illness, labor dispute, etc.	099		Hours	۲)	99	9	
O No	22b.	d. Of the weeks not worked in 1975		32a.	3	2b.	
26a. Has this person been looking for work during the last 4 weeks	00	was this person looking for work		000	_	0000	
○ Yes ○ No Skip to 27	S S		Weeks	888	S	5.5.5	e
b. Could this person have taken a job last week?	33	32. Income in 1979 — Fill circles and print dollar amounts.		333		3 3 3 3	9
No, already has a job     No, temporarily ill	5.5	If net income was a loss, write "Loss"	above the dollar amount.	555	5	5555	8
O No, other reasons (in school, etc.)	66	If exact amount is not known, give bes received jointly by household member		666	,	7 7 7 7	G
O Yes, could have taken a job	88			888	8	8888	5
27. When did this person last work, even for a few days?	99	During 1979 did this person rece following sources?	ive any income from the	9 9 9 A	1	9 9 9 9 9 0 A 0	3
O 1980 O 1978 O 1970 to 1974 O 1979 O 1975 to 1977 O 1969 or earlier		If "Yes" to any of the sources below -		32c.		12d.	I
Never worked 31d	A B C	person receive for the entire year		000	0	0000	_
28-30. Current or most recent job activity	DEF	a. Wages, salary, commissions, bor all jobs Report amount before		555	- 1	SSSS	h
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	000	dues, or other items.		333	- 1	3 3 3 3	
this person worked the most hours.	GHJ	O Yes -> \$ O No 7	.00	555	- 1	4444	
If this person had no job or business last week, give information for last job or business since 1975.	000		Annual amount – Dollars)	666	- 1	6666	Ø
28. Industry	K L M	b. Own nonfarm business, partners practice Report net income of		888	i	7777	6, 07
a. For whom did this person work? If now on active duty in the		O. Yes -> s	.00	999		9999	•
Armed Forces, print "AF" and skip to question 31.	000	■ ○ No (A	Annual amount - Dollars)	0 A	0	O A O	G
(Name of company, business, organization, or other employer)	5 2 5	c. Own farm		32e.	3	32f.	9
b. What kind of business or industry was this?	3 3	Report <u>net</u> income after operating ex a tenant farmer or sharecropper.	epenses. Include earnings as	000		111	3
Describe the activity at location where employed.	5.5	○ Yes → §	.00	S S	3	5 5 5	ī
	6.6	O No (7	Annual amount - Dollars)	3 3		333	
(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)	8.8	d. Interest, dividends, royalties, or		5.5		5 5 5	
c. Is this mainly — (Fili one circle)	7 9	Report even small amounts credited  O Yes		66		777	
Manufacturing Retail trade Wholesale trade Other — (agriculture, construction,	AF O	O No *-	.00 Annual amount Dollars)	88	8	888	
service, government, etc.,	1	e. Social Security or Railroad Retir		99	9	999	
29. Occupation a. What kind of work was this person doing?	29.	O Yes - s	.00	32g.	. 3	33.	
	N P Q	○ No (A	Annual amount — Dollars)	000		0000	
(For example: Registered nurse, personnel manager, supervisor of	RST	1. Supplemental Security (SSI), Aid		5 5 5	S	8888	
order department, gasoline engine assembler, grinder operator)  b. What were this person's most important activities or duties?	000	Dependent Children (AFDC), or or public welfare payments	other public assistance	3 3 3		3333	
	UVW	○ Yes → §	.00	5 5 5	5	5 5 5 5	
(For example: Patient care, directing hiring policies, supervising	000	○ No 7/	Annual amount - Dollars)	666		2777	
order clerks, assembling engines, operating grinding mill)  30. Was this person — (Fili one circle)	X Y Z	g. Unemployment compensation,		888	8	8888	
Employee of private company, business, or		pensions, alimony or child supp of income received regularly		999	9	9 9 9 9 1 0 A 0	
individual, for wages, salary, or commissions	0 0	Exclude lump-sum payments such as		- <b>-</b> -		1	
Federal government employee	5.5	or the sale of a home.  O Yes		3 5	S S I I	1111	
Local government employee (city, county, etc.)	333	O No	.00 Annual amount – Dollars)	33	3 3	3 3 3	
Self-employed in own business,	555	33. What was this person's total inco		44	44	444	
professional practice, or farm —  Own business not incorporated	666	Add entries in questions 32a	.00	1	66	666	
Own business incorporated	888	through g; subtract any losses.	Annual amount - Dollars)	7 7 8 8	7 7 8 8	777	
Working without pay in family business or farm	909	If total amount was a loss, write "Loss" above amount.	OR O None	99	99	999	
	-	Please turn to the next page a	and answer the questi	ons for P	ersoi	n 2 on pag	e :



### Appendix F.—Publication and Computer Tape Program

GENERALF-1	PUBLICATIONS-Con.
PUBLICATIONS F-1	HC80-5, Volume 5, Residen-
Population and Housing Census	tial Finance F-4
Reports F–1	HC80-S1-1, Supplementary
PHC80-1, Block Statistics F-1	Reports F-4
PHC80-2, Census Tracts F-2	Evaluation and Reference
PHC80-3, Summary Charac-	Reports
teristics for Governmental	PHC80-E, Evaluation and
Units and Standard Metro-	Research Reports F-4
politan Statistical Areas F-2	PHC80-R, Reference Reports. F-4
PHC80-4, Congressional	PHC80-R1, Users' Guide. F-4
Districts of the 98th	PHC80-R2, History F-4
Congress F-2	PHC80-R3, Alphabetical
PHC80-S1-1, Provisional	Index of Industries and
Estimates of Social, Eco-	Occupations F-4
nomic, and Housing	PHC80-R4, Classified
Characteristics F-2 PHC80-S2, Advance Esti-	Index of Industries and
mates of Social, Economic,	Occupations F-4
and Housing Characteristics . F-2	PHC80-R5, Geographic
Population Census Reports F-2	Identification Code
PC80-1, Volume 1, Charac-	Scheme F-4
teristics of the Population F-2	COMPUTER TAPES F-4
PC80-1-A, Chapter A, Num-	Summary Tape Files F-4
ber of Inhabitants F-2	STF 1 F-4
PC80-1-B, Chapter B, General	STF 2
Population Characteristics F-2	STF 3 F-4
PC80-1-C, Chapter C, General	STF 4 F-5
Social and Economic	STF 5 F–5
Characteristics F-3	Other Computer Tape Files F–5
PC80-1-D, Chapter D,	P.L. 94-171, Population
Detailed Population	CountsF-5
Characteristics F-3	Master Area Reference Files 1 and 2 (MARF) F-5
PC80-2, Volume 2, Subject	Geographic Base File/Dual
Reports F-3	Independent Map Encoding
PC80-S1, Supplementary	(GBF/DIME)F-5
Reports F-3 Housing Census Reports F-3	Public-Use Microdata
riozonig contoco rioporto i i i i i i	Samples F-5
HC80-1, Volume 1, Characteristics of Housing Units F-3	Census/EEO Special File F-5
teristics of Housing Units F-3 HC80-1-A, Chapter A,	MAPS F-5
General Housing	MICROFICHE F-5
Characteristics F-3	STF 1 Microfiche F-5
HC80-1-B, Chapter B,	STF 3 Microfiche F–5
Detailed Housing	P.L. 94-171 Counts Microfiche. F-5
Characteristics F-3	T.E. OT THE COUNTY WIND CONTINUE TO
HC80-2, Volume 2, Metro-	
politan Housing	0545041
Characteristics F-3	GENERAL
HC80-3, Volume 3, Subject	The results of the 1980 Census of Popu-
Reports F-3	lation and Housing are issued in three
HC80-4, Volume 4, Components of Inventory Change F 3	forms: printed reports, computer tape
DEUTS OF INVENTORY LIVANUE F 7	TOTALS, DITTLEU TEDOLIS, COMPUTEL LADE

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 generalpurpose 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, veterar. 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 crossclassifications 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 villeges. 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 nonfarm 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 looseleaf 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 (sample), PC80-1-C, PHC80-2 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.

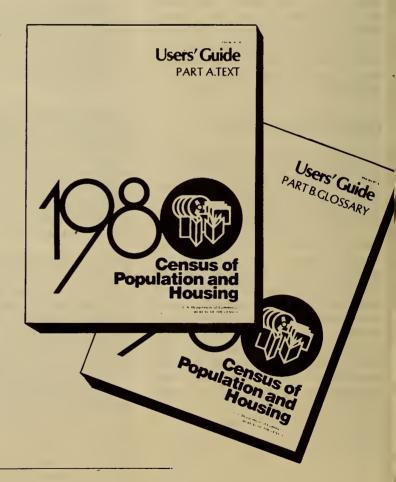
# 1980 Census of Population and Housing

## **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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