

**1970  
CENSUS OF  
HOUSING**

Metropolitan  
Housing  
Characteristics

**DUBUQUE, IOWA  
STANDARD METROPOLITAN  
STATISTICAL AREA**

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41	Charleston, W. Va. SMSA	83	Great Falls, Mont. SMSA	125	Macon, Ga. SMSA
42	Charlotte, N.C. SMSA	84	Green Bay, Wis. SMSA	126	Madison, Wis. SMSA

Report number	Area	Report number	Area	Report number	Area
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128	Mansfield, Ohio SMSA	170	Portland, Maine SMSA	212	Stamford, Conn. SMSA
129	McAllen-Pharr-Edinburg, Tex. SMSA	171	Portland, Oreg.-Wash. SMSA	213	Steubenville-Weirton, Ohio-W. Va. SMSA
130	Memphis, Tenn.-Ark. SMSA	172	Providence-Pawtucket-Warwick, R.I.-Mass. SMSA	214	Stockton, Calif. SMSA
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This guide lists all subjects covered in this report. An asterisk (\*) indicates that data are shown for housing units with Negro head of household, and the dagger symbol (†) means that the data are shown for housing units with household head of Spanish heritage; these data are shown when an area has 25,000 or more Negro or Spanish heritage population, respectively.

Subject	Value	Gross rent	Income in 1969	Plumbing facilities by persons per room	Number of rooms	Units in structure	Household composition by age of head	Size of household (persons)	Duration of vacancy	Sales price asked and rent asked
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>										
Year moved into unit .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	— 9 <sup>1</sup>	— 9	6, 16*, 24†	— —	— —	— —	— 9
Duration of vacancy .....	—	—	—	—	—	—	—	—	—	—
<b>UTILIZATION CHARACTERISTICS</b>										
Number of rooms .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	5, 15*, 23†	—	6, 16*, 24†	—	5, 15*, 23†	9	—
Size of household (persons) .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	8, 18*, 26†	8, 18*, 26†	—	—	—
Number of bedrooms .....	1, 11*	2, 12*	3, 13*	—	5, 15*	6, 16*	—	8, 18*	9	10
Persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
<b>PLUMBING CHARACTERISTICS</b>										
Plumbing facilities .....	—	—	—	—	—	—	—	—	9	10
Plumbing facilities by persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
Complete bathrooms .....	1, 11*, 19†	2, 12*, 20†	—	—	5, 15*, 23†	—	—	8, 18*, 26†	—	—
<b>STRUCTURAL CHARACTERISTICS</b>										
Units in structure .....	—	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	—	7, 17*, 25†	8, 18*, 26†	9	10
Year structure built .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	6, 16*, 24†	—	8, 18*, 26†	9	10
Elevator in structure .....	—	2, 12*	—	—	—	—	—	—	—	—
<b>EQUIPMENT AND APPLIANCES</b>										
Heating equipment .....	1, 11*, 19†	—	—	4, 14*, 22†	—	6, 16*, 24†	—	—	9	—
Air conditioning .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Automobiles available .....	—	—	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Second home .....	—	—	3, 13*	—	—	—	—	—	—	—
Automatic clothes washing machine .....	—	—	3, 13*	—	—	—	—	—	—	—
Clothes dryer .....	—	—	3, 13*	—	—	—	—	—	—	—
Dishwasher .....	—	—	3, 13*	—	—	—	—	—	—	—
Home food freezer .....	—	—	3, 13*	—	—	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>										
Value .....	—	—	1, 11*, 19†	1, 11*, 19†	1, 11*, 19†	—	1, 11*, 19†	1, 11*, 19†	—	—
Value-income ratio .....	—	—	—	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent .....	—	—	2, 12*, 20†	2, 12*, 20†	2, 12*, 20†	6, 16*, 24†	7, 17*, 25†	2, 12*, 20†	—	—
Gross rent as percentage of income .....	—	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	—	—	8, 18*, 26†	—	—
Gross rent as percentage of income by income .....	—	—	—	—	—	—	7, 17*, 25†	—	—	—
Sales price asked .....	—	—	—	10 <sup>1</sup>	—	—	—	—	9	—
Rent asked .....	—	—	—	10 <sup>1</sup>	—	10	—	—	9	—
Inclusion of utilities in rent .....	—	—	—	—	—	—	—	—	—	10
<b>HOUSEHOLD CHARACTERISTICS</b>										
Household composition by age of head .....	1, 11*, 19†	7, 17*, 25†	7, 17*, 25†	7, 17*, 25†	—	7, 17*, 25†	—	8, 18*, 26†	—	—
Income in 1969 .....	1, 11*, 19†	2, 12*, 20†	—	4, 14*, 22†	3, 13*, 21†	6, 16*, 24†	7, 17*, 25†	3, 13*, 21†	—	—

<sup>1</sup> Vacant units tabulated by plumbing facilities only.

# INTRODUCTION

# APPENDIXES

A. Area Classifications .....	App-1
B. Definitions and Explanations of Subject Characteristics ...	App-2
C. Accuracy of the Data .....	App-14
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## GENERAL

This report presents cross-tabulations of housing and household characteristics from the 1970 Census of Population and Housing for the standard metropolitan statistical area, its central city or cities, and its places of 50,000 inhabitants or more. Legal provision for this census, which was conducted as of April 1, 1970, was made in the Act of Congress of August 31, 1954 (amended August 1957), which codified Title 13, United States Code.

This report series contains 248 reports as listed on page II. There is one report for each standard metropolitan statistical area (recognized as of February 1971) in the United States and Puerto Rico, as well as a summary report for the United States.

This series of reports is one of the several series which present the information compiled from the census. For a description of the full data dissemination program of the 1970 Population and Housing Census, see Appendix D, "Publication and Computer Summary Tape Program."

The content and procedures of the 1970 census were determined after evaluation of the results of the 1960 census, consultation with a wide variety of users of census data, and extensive field pretesting. A number of

changes were introduced in 1970 to improve the usefulness of the census results. For most of the characteristics shown in this report, the changes do not, however, affect to any appreciable extent the comparability of the 1970 data with those for 1960; 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 later reports of the 1970 census.

**Organization of the text.**—The text consists of this introduction and four appendixes which appear after the tables. Appendix A describes the various area classifications (e.g., places, standard metropolitan statistical areas, etc.) and briefly explains the residence rules used in counting the population. Appendix B provides definitions and explanations for the subjects covered in this report, including facsimiles of the 1970 census questionnaire pages and a facsimile of the instruction sheet. Appendix C presents information on sources of error in the data, editing procedures, the sample design, ratio estimation, and sampling variability. Appendix D summarizes the data dissemination program of the 1970 census.

**Content of the tables.**—A series of standard tables is presented for each area shown in this report. Tables 1 to 8 present statistics for owner-occupied and renter-occupied units. Tables 9 and 10 present statistics for vacant units, separately for units for

sale and for units for rent. Data for housing units with Negro head of household are presented in tables 11 to 18, and data for housing units with heads of Spanish heritage (i.e., heads of Spanish language or surname or of Puerto Rican birth or parentage) are presented in tables 19 to 26; these tables, which have the same subject content as tables 1 to 8, are published for those standard metropolitan statistical areas, cities or places that have a population of 25,000 or more for the particular group. The finding guide on page IV lists the characteristics covered in this report and shows the tables in which the various types of statistics appear.

The prefix letter "A" has been assigned to the tables for the total standard metropolitan statistical area; tables for the central cities and places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.

**Sample size.**—The statistics presented in this report are based on a sample of housing units. More specifically, the data are derived from the 15-percent and 5-percent sample questionnaires (see "Data Collection Procedures," below). Some items appeared on both sample questionnaires and, therefore, are based on a 20-percent sample of housing units. The sampling rate for each subject is shown in table A of Appendix C, "Accuracy of the Data." Appendix C also presents information on the sampling variability associated with these data.

Statistics for some subgroups (e.g., households in owner-occupied units with incomes of less than \$2,000 or renter-occupied 1-room units) may differ from table to table or within the same table when the figures are tabulated from different samples.

**Derived figures (medians, etc.).**—Shown in this report are medians as well as certain percentages and ratios. The median, which is 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 fall below the median and one-half of the cases exceed the median. For all types of derived figures in this report, the figure is not presented (but indicated by three dots "...") if there are fewer than the prescribed number of units in the distribution or the base. For the 20-percent sample, the minimum number of housing units is 100; for the 15-percent sample, the minimum is 132; and for the 5-percent sample, the minimum is 400.

Medians for rooms and persons are rounded to the nearest tenth, for value to the nearest hundred dollars, and for 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 up 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. When the median falls in the lower terminal category of an open-end 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 \$5,000," it is shown as "\$5,000—." When the median falls in the upper terminal category of an open-end distribution, the method of presentation is to show the initial value of the

terminal category followed by a plus sign; thus, for example, if the median falls in the category "\$50,000 or more," it is shown as "\$50,000+."

**Symbols.**—A dash "—" signifies zero. Three dots "..." mean not applicable, or that the base for a derived figure is too small for it to be shown, or that the data are being withheld to avoid disclosure of information for individual housing units. The symbol "U" means that the place is unincorporated.

**Boundaries.**—The data shown for 1970 relate to the boundaries as they existed on January 1, 1970. Information on boundary changes between 1960 and 1970 for certain types of areas is given in the 1970 Population Census PC(1)-A reports.

#### DATA COLLECTION PROCEDURES

The 1970 census was conducted primarily through self-enumeration. In 1960, self-enumeration was first introduced on a nationwide scale as a substitute for the traditional census direct interview.

A census questionnaire was delivered by postal carriers to every household several days before Census Day, April 1, 1970. This questionnaire contained certain explanatory information and was accompanied by an instruction sheet; in areas with comparatively large proportions of Spanish-speaking persons, a Spanish version of the instruction sheet was also enclosed. Some of this material is reproduced in Appendix B, "Definitions and Explanations of Subject Characteristics."

In the larger metropolitan areas and some adjacent counties, altogether containing about three-fifths of the

population of the United States, the householder was requested to fill out and mail back the form on Census Day. Approximately 87 percent of the householders did so. The mailed-back forms were reviewed by the census enumerator (or, in some localities, a census clerk) and if the form was determined to be incomplete or inconsistent, a followup was made. The bulk of these followups were made by telephone, the rest by personal visit. For the households that did not mail back their forms, a followup was also made, in almost all cases by personal visit and in the remainder by telephone; vacant units were enumerated by personal visit.

For the remaining two-fifths of the population, the householder was requested to fill out the form and give it to the enumerator when he called; approximately 80 percent did so. Incomplete and unfilled forms were completed by interview during the enumerator's visit.

Three types of questionnaires were used throughout the country: 80 percent of the households answered a form containing a limited number of population and housing questions and the remainder, split into 15-percent and 5-percent samples, answered forms which contained these questions as well as a number of additional questions. Some of the additional questions were the same on the 15-percent and 5-percent versions; others were different. A random procedure was used to determine which of the three forms any particular household answered.

In the metropolitan and adjacent areas, the designated type was sent to each household. In the remaining areas, the questionnaire with a limited number of questions was distributed to all households and the enumerators

interviewed for the additional questions in those households designated for the 15-percent and 5-percent samples.

The subjects covered in this report are all drawn from the 15-percent and 5-percent sample questionnaires.

#### PROCESSING PROCEDURES

The 1970 census questionnaires were specially designed to be processed by FOSDIC (Film Optical

Sensing Device for Input to Computers). Respondents and enumerators (and for some few items, census clerks) marked the answers in predesignated positions which could be "read" by FOSDIC, from a microfilm copy of the questionnaire, onto computer magnetic 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 (see Appendix C, "Accuracy of the Data"). One of the end results of this operation was a computer tape from which the tables in this report were prepared on a cathode-ray-tube phototypesetting machine at the Government Printing Office. Another end result was the summary tape which is available for purchase, as described in Appendix D, "Publication and Computer Summary Tape Program."

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METROPOLITAN HOUSING CHARACTERISTICS

**Dubuque, Iowa**  
STANDARD METROPOLITAN STATISTICAL AREA

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**MAP**

Counties, Standard Metropolitan Statistical Areas, and Selected Places X

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[The prefix letter "A" refers to tables for the total SMSA; tables for central cities and for places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.]

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		<i>Pages</i>	<i>Pages</i>	<i>Pages</i>
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Dubuque .....	B	10 to 18	—	—



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Table A-1. Value of Owner Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 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)
<b>Specified owner occupied<sup>1</sup></b>	<b>13 827</b>	<b>154</b>	<b>599</b>	<b>948</b>	<b>1 481</b>	<b>1 772</b>	<b>3 627</b>	<b>2 825</b>	<b>1 685</b>	<b>493</b>	<b>243</b>	<b>17 900</b>
<b>ROOMS</b>												
1 and 2 rooms	27	6	5	—	—	—	5	6	5	—	—	...
3 rooms	135	15	40	10	31	20	19	—	—	—	—	10 200
4 rooms	1 352	34	123	109	220	251	376	144	85	5	5	14 400
5 rooms	5 177	28	220	249	394	547	1 650	1 413	611	50	15	18 700
6 rooms	3 758	33	131	345	470	550	945	708	469	91	16	17 000
7 rooms	1 941	21	43	146	229	233	424	403	279	133	30	18 300
8 rooms or more	1 437	17	37	89	137	171	208	151	236	214	177	22 000
Median	5.6	5.3	5.1	5.8	5.7	5.6	5.4	5.4	5.8	7.3	7.5+	...
<b>PERSONS</b>												
1 person	1 498	43	192	171	251	255	331	135	88	26	6	13 400
2 persons	3 521	46	171	274	423	604	1 001	499	335	85	83	16 200
3 persons	1 951	24	115	164	192	178	531	436	224	78	9	18 000
4 persons	2 047	6	21	65	168	226	487	618	325	79	52	20 400
5 persons	1 783	4	21	93	158	172	470	452	299	84	30	19 800
6 persons or more	3 027	31	79	181	289	337	807	685	414	141	63	18 900
Median	3.5	2.2	2.1	2.7	2.8	2.7	3.4	4.1	4.1	4.2	4.0	...
Units with roomers, boarders, or lodgers	207	3	4	24	29	35	50	29	26	7	—	15 600
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	<b>13 556</b>	<b>123</b>	<b>499</b>	<b>888</b>	<b>1 449</b>	<b>1 754</b>	<b>3 608</b>	<b>2 819</b>	<b>1 685</b>	<b>493</b>	<b>238</b>	<b>18 000</b>
0.50 or less	5 916	77	299	499	776	959	1 552	828	565	217	144	16 000
0.51 to 1.00	5 922	41	155	285	498	588	1 500	1 581	934	252	88	19 700
1.01 to 1.50	1 448	5	31	94	140	170	476	326	176	24	6	18 300
1.51 or more	270	—	14	10	35	37	80	84	10	—	—	17 500
<b>Lacking some or all plumbing facilities</b>	<b>271</b>	<b>31</b>	<b>100</b>	<b>60</b>	<b>32</b>	<b>18</b>	<b>19</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>7 700</b>
0.50 or less	216	26	86	47	22	14	15	6	—	—	—	7 400
0.51 to 1.00	28	5	9	—	10	4	—	—	—	—	—	...
1.01 to 1.50	4	—	—	—	—	—	—	—	—	—	—	...
1.51 or more	23	—	5	13	—	—	—	—	—	—	5	...
<b>BEDROOMS</b>												
None and 1	599	81	96	64	81	108	87	43	39	—	—	11 800
2	3 000	61	218	387	468	543	844	331	106	—	42	14 200
3	8 045	36	220	362	674	845	2 840	2 088	1 088	252	108	19 100
4 or more	2 315	—	15	164	269	223	551	324	336	279	154	19 300
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	341	—	—	—	4	10	55	80	104	67	21	27 100
1965 to 1968	1 361	—	4	—	5	29	186	559	424	122	32	24 100
1960 to 1964	2 011	—	18	32	20	49	537	818	361	132	44	22 100
1950 to 1959	2 963	11	32	48	177	280	1 037	818	418	79	43	19 600
1940 to 1949	964	—	4	27	86	198	344	150	99	27	25	17 600
1939 or earlier	6 187	139	541	841	1 189	1 206	1 468	400	279	66	58	13 300
<b>COMPLETE BATHROOMS</b>												
1 and 1 1/2	11 177	112	457	824	1 334	1 617	3 153	2 278	1 224	135	43	17 200
2 and 2 1/2	2 120	—	36	49	107	128	421	541	454	301	83	22 900
3 or more	201	—	—	—	—	—	6	—	51	53	91	47 300
None or also used by another household	357	44	111	73	43	30	27	22	—	—	7	8 300
<b>HOUSEHOLD COMPOSITION</b>												
<b>Two-or-more-person households</b>	<b>12 329</b>	<b>111</b>	<b>407</b>	<b>777</b>	<b>1 230</b>	<b>1 517</b>	<b>3 296</b>	<b>2 690</b>	<b>1 597</b>	<b>467</b>	<b>237</b>	<b>18 400</b>
Male head, wife present, no nonrelatives	10 904	87	319	612	1 019	1 291	2 935	2 513	1 491	424	213	18 800
Under 25 years	199	—	17	14	26	25	64	29	19	5	—	17 700
25 to 34 years	2 249	—	34	84	174	247	613	649	350	76	22	19 800
35 to 44 years	2 717	—	26	42	129	182	647	798	457	142	58	20 600
45 to 64 years	4 253	39	117	274	393	526	1 231	850	556	171	96	18 400
65 years and over	1 486	22	109	111	244	257	380	187	109	30	37	15 000
Other male head	482	—	15	68	79	54	137	43	45	23	18	15 600
Under 65 years	289	—	10	34	47	29	74	29	35	23	8	16 000
65 years and over	193	—	5	34	32	25	63	14	10	—	10	15 000
Female head	943	24	73	97	132	172	224	134	61	20	6	14 600
Under 65 years	535	17	50	29	56	84	123	107	53	16	—	16 700
65 years and over	408	7	23	68	76	88	101	27	8	4	6	13 400
<b>One-person households</b>	<b>1 498</b>	<b>43</b>	<b>192</b>	<b>171</b>	<b>251</b>	<b>255</b>	<b>331</b>	<b>135</b>	<b>88</b>	<b>26</b>	<b>6</b>	<b>13 400</b>
Under 65 years	1 059	10	48	44	56	56	102	54	24	10	6	14 200
65 years and over	439	33	144	127	195	150	229	81	64	16	—	12 800
<b>INCOME IN 1969</b>												
Less than \$2,000	1 167	43	163	146	240	214	203	74	59	5	20	12 400
\$2,000 to \$2,999	670	21	67	72	109	148	179	64	10	—	—	13 600
\$3,000 to \$3,999	555	9	78	91	61	114	110	41	36	9	6	13 300
\$4,000 to \$4,999	487	5	24	57	89	63	127	74	29	14	5	15 200
\$5,000 to \$5,999	439	10	45	56	55	80	128	29	31	—	5	14 200
\$6,000 to \$6,999	491	6	43	63	54	75	150	90	10	—	—	15 100
\$7,000 to \$9,999	2 631	28	93	186	341	360	825	540	223	20	15	17 000
\$10,000 to \$14,999	4 589	28	66	207	423	479	1 331	1 241	675	130	9	19 200
\$15,000 to \$24,999	2 227	4	14	65	84	206	527	606	493	177	51	21 800
\$25,000 or more	571	—	6	5	25	33	47	66	119	138	132	33 700
Median	\$10 500	\$4 800	\$3 900	\$6 800	\$8 200	\$8 600	\$10 300	\$12 000	\$13 300	\$18 900	\$28 100	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	1 167	6	30	42	68	108	240	322	233	92	26	21 400
1968	977	—	42	59	89	58	211	205	60	27	20	20 700
1967	788	—	21	36	29	134	183	187	124	58	19	19 800
1965 and 1966	1 793	14	26	68	168	201	391	534	298	64	26	20 300
1960 to 1964	2 971	32	118	97	283	238	851	782	394	141	35	19 300
1950 to 1959	3 659	43	132	317	419	626	1 097	580	334	41	70	16 500
1949 or earlier	2 500	61	235	327	428	410	634	210	141	33	21	13 700
<b>HEATING EQUIPMENT</b>												
Steam or hot water	1 545	17	35	110	221	189	380	224	225	110	34	17 800
Warm-air furnace	11 493	80	375	689	1 142	1 520	3 161	2 516	1 433	378	199	18 200
Built-in electric units	93	—	—	—	6	—	—	—	18	5	—	...
Floor, wall, or pipeless furnace	55	15	11	9	16	—	—	—	—	—	—	...
Other means	641	42	178	140	96	63	40	43	9	—	10	9 300
None	—	—	—	—	—	—	—	—	—	—	—	...
<b>AIR CONDITIONING</b>												
Room unit(s)	3 223	8	60	200	262	440	930	708	467	93	55	18 700
Central system	1 393	—	—	23	31	45	172	386	401	215	120	26 000
None	9 239	148	544	723	1 191	1 290	2 505	1 747	861	181	49	16 500

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

Table A-2. Gross Rent of Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	<b>6 085</b>	<b>379</b>	<b>346</b>	<b>540</b>	<b>559</b>	<b>1 419</b>	<b>1 097</b>	<b>873</b>	<b>492</b>	<b>68</b>	<b>5</b>	<b>307</b>	<b>95</b>
<b>ROOMS</b>													
1 room	302	194	39	10	28	11	14	—	6	—	—	—	50—
2 rooms	468	62	48	125	56	90	42	18	—	—	—	27	69
3 rooms	1 258	61	134	146	164	454	150	75	36	8	—	30	84
4 rooms	1 881	36	61	178	196	458	359	272	191	18	—	112	98
5 rooms	1 195	16	51	56	78	245	277	263	146	9	—	54	109
6 rooms	683	6	9	15	20	111	205	160	90	23	5	39	116
7 rooms	152	4	—	5	12	26	30	36	14	—	—	25	111
8 rooms or more	146	—	4	5	5	24	20	49	9	10	—	20	123
Median	4.0	1.5	3.1	3.4	3.7	3.8	4.5	4.8	4.6	...	...	4.4	...
<b>PERSONS</b>													
1 person	1 938	309	214	310	230	422	205	92	53	6	—	97	74
2 persons	1 723	46	89	145	173	408	328	245	174	19	—	96	98
3 persons	1 017	10	23	43	67	315	216	196	75	28	—	44	103
4 persons	644	14	16	20	47	109	130	169	97	15	5	22	116
5 persons	342	—	4	11	19	48	129	73	42	—	—	16	113
6 persons or more	421	—	—	11	23	89	89	98	51	—	—	32	110
Median	2.1	1.1	1.3	1.4	1.8	2.2	2.6	3.0	2.8	...	...	2.1	...
Units with roomers, boarders, or lodgers	206	10	—	5	31	37	30	58	25	10	—	—	113
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	<b>5 545</b>	<b>149</b>	<b>242</b>	<b>447</b>	<b>520</b>	<b>1 395</b>	<b>1 083</b>	<b>873</b>	<b>486</b>	<b>68</b>	<b>—</b>	<b>282</b>	<b>98</b>
0.50 or less	2 779	100	175	332	294	641	478	340	215	32	—	172	92
0.51 to 1.00	2 369	38	63	87	186	647	508	468	239	36	—	97	105
1.01 to 1.50	329	5	—	22	29	80	87	61	32	—	—	13	105
1.51 or more	68	6	4	6	11	27	10	4	—	—	—	—	...
<b>Lacking some or all plumbing facilities</b>	<b>540</b>	<b>230</b>	<b>104</b>	<b>93</b>	<b>39</b>	<b>24</b>	<b>14</b>	<b>—</b>	<b>6</b>	<b>—</b>	<b>5</b>	<b>23</b>	<b>33</b>
0.50 or less	204	48	54	61	22	13	—	—	—	—	—	6	59
0.51 to 1.00	309	177	50	32	12	—	14	—	6	—	5	13	50—
1.01 to 1.50	22	—	—	—	5	11	—	—	—	—	—	6	...
1.51 or more	5	5	—	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>													
None	290	152	59	22	39	—	18	—	—	—	—	—	...
1	1 968	89	143	356	321	553	162	203	39	—	—	102	81
2	2 464	74	91	55	135	539	709	430	221	43	—	167	107
3 or more	1 164	—	25	—	81	194	309	351	116	88	—	—	118
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	93	—	—	—	6	—	16	16	46	9	—	—	...
1965 to 1968	340	6	5	—	6	33	48	74	157	11	—	—	149
1960 to 1964	185	—	—	11	3	10	31	52	33	10	—	—	132
1950 to 1959	261	9	6	—	17	49	31	63	45	—	—	35	119
1940 to 1949	189	5	8	—	—	35	46	25	34	—	—	36	112
1939 or earlier	5 017	359	327	529	527	1 292	925	643	177	38	5	195	90
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	42	—	—	42	—	—	—	—	—	—	—	—	...
With elevator	22	—	—	22	—	—	—	—	—	—	—	—	...
Walk-up	20	—	—	20	—	—	—	—	—	—	—	—	...
1 to 3 floors	5 844	315	318	391	576	1 286	1 198	984	376	131	—	269	98
<b>COMPLETE BATHROOMS</b>													
1 and 1/2	5 257	112	228	476	496	1 367	1 000	800	458	50	—	270	97
2 or more	179	—	—	7	7	32	12	26	53	7	—	35	136
None or also used by another household	674	298	131	77	54	46	13	—	24	—	7	24	52
<b>INCOME IN 1969</b>													
Less than \$2,000	1 046	168	166	137	115	234	99	34	14	—	—	79	71
\$2,000 to \$2,999	514	67	47	70	45	107	86	59	4	6	—	23	82
\$3,000 to \$3,999	431	18	45	50	63	119	70	34	10	—	—	22	84
\$4,000 to \$4,999	389	11	17	79	33	79	67	25	4	—	—	16	90
\$5,000 to \$5,999	434	25	12	15	52	128	85	54	15	5	—	43	94
\$6,000 to \$6,999	495	30	17	47	86	90	98	58	45	5	—	15	95
\$7,000 to \$9,999	1 397	43	21	109	103	397	290	231	126	21	5	51	100
\$10,000 to \$14,999	1 060	11	10	21	46	222	249	293	147	14	—	47	116
\$15,000 to \$24,999	287	6	11	12	16	38	57	43	89	4	—	11	119
\$25,000 or more	32	—	—	—	5	5	—	17	4	—	—	—	...
Median	\$6 500	\$2 300	\$2 100	\$4 200	\$5 500	\$6 500	\$7 500	\$8 700	\$10 200	...	...	\$5 300	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	2 386	100	124	158	180	610	442	401	284	30	—	57	100
1968	791	8	23	59	27	228	190	141	86	6	—	23	104
1967	582	14	35	81	64	117	79	79	82	5	—	26	93
1965 and 1966	615	57	32	71	69	133	96	99	29	—	—	29	93
1960 to 1964	702	78	50	51	96	170	90	57	37	—	—	73	85
1950 to 1959	667	107	39	99	79	119	76	43	9	7	7	82	76
1949 or earlier	367	46	56	41	42	68	52	6	8	9	—	39	75
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	654	98	47	117	72	176	100	22	17	5	—	...	79
10 to 14 percent	1 305	40	35	82	164	386	282	217	99	—	—	...	97
15 to 19 percent	1 041	28	29	85	79	234	233	235	105	13	—	...	106
20 to 24 percent	671	57	38	32	42	127	128	119	123	5	—	...	106
25 to 34 percent	646	66	31	48	57	150	104	107	68	15	—	...	95
35 percent or more	1 351	78	147	165	139	309	229	173	76	30	5	...	87
Not computed	417	12	19	11	6	37	21	—	4	—	—	307	86
<b>AIR CONDITIONING</b>													
Room unit(s)	1 311	29	44	85	107	240	245	251	215	7	—	88	109
Central system	223	—	7	7	—	13	39	51	93	5	—	8	144
None	4 576	381	308	468	450	1 192	741	524	227	45	7	233	89

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table A-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	Less than	\$2,000	\$3,000	\$4,000	\$5,000	\$6,000	\$7,000	\$10,000	\$15,000	\$25,000	Median (dollars)
		\$2,000	to \$2,999	to \$3,999	to \$4,999	to \$5,999	to \$6,999	to \$9,999	to \$14,999	to \$24,999	or more	
<b>Owner occupied housing units</b>	<b>17 777</b>	<b>1 560</b>	<b>950</b>	<b>764</b>	<b>693</b>	<b>741</b>	<b>681</b>	<b>3 445</b>	<b>5 575</b>	<b>2 657</b>	<b>711</b>	<b>10 000</b>
<b>ROOMS</b>												
1 and 2 rooms	75	11	17	11	-	-	-	26	5	-	5	...
3 rooms	298	79	36	24	35	14	61	25	10	-	5	4 300
4 rooms	2 306	367	207	136	153	176	103	460	497	171	36	7 100
5 rooms	6 071	442	317	264	226	205	236	1 269	2 181	818	113	10 200
6 rooms	4 558	316	218	193	152	186	178	865	1 534	744	172	10 600
7 rooms or more	4 469	345	155	136	127	160	155	764	1 333	914	380	11 500
<b>PERSONS</b>												
1 person	2 056	880	342	246	121	86	57	185	102	17	20	2 400
2 persons	4 528	457	471	356	320	286	260	798	988	458	134	7 400
3 and 4 persons	4 988	91	67	87	150	208	158	1 170	1 893	957	207	11 500
5 persons	2 191	34	19	19	31	65	55	475	933	459	101	12 100
6 persons or more	4 014	98	51	56	71	96	151	817	1 659	766	249	12 000
Units with roomers, boarders, or lodgers	299	57	33	26	4	15	5	34	110	15	-	7 800
<b>BEDROOMS</b>												
Less than 3	5 081	897	545	322	384	281	367	971	848	359	107	6 300
3	9 545	636	407	219	264	258	324	2 240	3 158	1 697	342	10 700
4 or more	3 374	276	103	102	90	175	135	445	1 076	714	258	11 700
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	504	12	-	7	10	15	23	124	184	120	9	11 700
1960 to 1968	4 113	132	91	45	107	102	120	726	1 777	809	204	12 100
1950 to 1959	3 237	171	117	115	82	114	108	641	1 164	560	165	11 200
1949 or earlier	9 923	1 245	742	597	494	510	430	1 954	2 450	1 168	333	8 400
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	1 623	56	26	18	45	56	68	416	662	245	31	11 000
1968	1 257	62	16	29	53	32	24	285	524	157	75	11 200
1960 to 1967	6 532	302	164	134	127	197	193	1 389	2 588	1 175	263	11 500
1959 or earlier	8 365	1 069	701	637	453	483	355	1 281	2 002	1 039	345	8 100
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	12 264	670	370	320	227	463	475	2 730	4 126	2 211	672	11 100
Clothes dryer	11 824	644	263	182	293	424	424	2 577	4 163	2 210	648	11 300
Dishwasher	3 492	163	80	28	35	85	145	484	1 177	909	386	13 100
Home food freezer	8 222	421	266	201	358	276	447	1 733	2 518	1 574	428	10 800
Owned second home	599	-	-	-	-	90	-	218	134	157	-	9 900
With air conditioning	5 582	291	155	145	159	176	141	966	1 886	1 198	465	12 000
Room unit(s)	4 101	235	155	142	103	136	120	819	1 435	751	205	11 200
Central system	1 481	56	-	17	42	40	21	147	451	447	260	14 600
Automobiles available:												
1	9 261	755	538	470	447	470	464	2 189	2 953	812	163	9 000
2	5 813	82	81	71	146	130	120	1 038	2 352	1 428	365	12 600
3 or more	1 014	6	5	6	-	26	18	73	356	356	168	15 500
<b>Renter occupied housing units</b>	<b>6 502</b>	<b>1 075</b>	<b>556</b>	<b>469</b>	<b>403</b>	<b>466</b>	<b>546</b>	<b>1 507</b>	<b>1 119</b>	<b>329</b>	<b>32</b>	<b>6 500</b>
<b>ROOMS</b>												
1 room	302	114	41	29	16	21	27	27	22	5	-	2 900
2 rooms	468	157	63	58	59	38	25	52	16	-	-	3 200
3 rooms	1 258	324	137	144	45	98	130	188	141	51	-	4 500
4 rooms	1 924	257	164	78	159	127	158	500	362	107	12	7 100
5 rooms	1 275	120	86	85	57	105	59	370	311	67	15	8 000
6 rooms or more	1 275	103	65	75	67	77	147	370	267	99	5	7 800
<b>PERSONS</b>												
1 person	1 967	798	294	202	128	105	159	177	94	10	-	2 600
2 persons	1 777	131	134	150	122	186	134	444	341	115	20	7 200
3 and 4 persons	1 808	114	102	75	108	132	144	606	404	116	7	8 100
5 persons	385	5	9	10	9	27	47	132	115	26	5	8 900
6 persons or more	565	17	17	32	36	16	62	148	165	62	-	8 900
Units with roomers, boarders, or lodgers	206	28	22	27	34	35	-	36	24	-	-	4 800
<b>BEDROOMS</b>												
None	290	84	22	42	22	19	38	45	18	-	-	...
1	1 968	484	253	289	64	161	143	375	176	23	-	3 900
2	2 578	320	177	106	205	305	148	573	565	142	37	7 100
3 or more	1 477	63	73	52	64	98	235	448	294	150	-	8 000
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	99	5	-	-	7	4	6	22	42	13	-	...
1960 to 1968	536	52	5	5	29	14	50	133	148	83	17	9 500
1950 to 1959	314	24	17	25	16	20	21	78	88	25	-	8 300
1949 or earlier	5 553	994	534	439	351	428	469	1 274	841	208	15	6 100
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	2 486	359	200	199	208	176	229	542	435	138	-	6 400
1968	833	62	68	40	18	33	31	332	202	37	10	8 500
1960 to 1967	2 013	365	156	130	129	121	210	463	355	71	13	6 500
1959 or earlier	1 170	310	139	65	58	92	77	195	147	81	6	5 100
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup>	6 085	1 046	514	431	389	434	495	1 397	1 060	287	32	6 500
Less than 15 percent	1 959	-	-	12	22	47	165	644	765	272	32	10 600
15 to 19 percent	1 041	6	16	35	92	101	130	446	211	4	-	7 900
20 to 24 percent	671	17	56	70	69	128	104	190	37	-	-	6 000
25 to 34 percent	646	55	88	178	115	95	60	55	-	-	-	4 000
35 percent or more	1 351	779	331	114	75	20	21	11	-	-	-	2000-
Not computed	417	189	23	22	16	43	15	51	47	-	-	2 800
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	2 566	179	127	111	160	170	210	738	677	157	37	8 300
Clothes dryer	1 800	83	77	39	103	142	204	479	479	157	37	8 600
Dishwasher	316	-	83	-	43	24	-	90	58	18	-	...
Home food freezer	963	65	74	-	73	91	124	256	207	73	-	7 600
Owned second home	92	-	-	-	-	17	-	19	21	-	-	...
With air conditioning	1 567	147	57	40	92	94	114	411	420	169	23	8 700
Room unit(s)	1 344	133	57	34	85	83	93	365	356	115	23	8 500
Central system	223	14	-	6	7	11	21	46	64	54	-	10 500
Automobiles available:												
1	3 630	327	248	208	210	282	324	1 110	760	155	6	7 600
2	1 004	-	28	41	48	59	101	259	322	130	16	9 600
3 or more	130	4	-	14	11	-	5	31	30	35	-	...

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table A-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	With all plumbing facilities					Lacking some or all plumbing facilities					
	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	
<b>Owner occupied housing units</b>	17 777	17 325	7 617	7 379	1 964	365	452	343	74	12	23
<b>PERSONS</b>											
1 person	2 056	1 836	1 836	—	—	—	220	210	10	—	—
2 persons	4 528	4 385	4 239	141	—	5	143	122	21	—	—
3 persons	2 525	2 493	1 254	1 239	—	—	32	11	21	—	—
4 persons	2 463	2 450	203	2 241	—	—	13	—	13	—	—
5 persons	2 191	2 187	85	1 976	121	5	4	—	4	—	—
6 persons or more	4 014	3 974	—	1 782	1 843	349	40	—	5	12	23
Median	3.4	3.5	2.0	4.5	7.0	7.5+	1.5	1.3	...	...	...
Units with roomers, boarders, or lodgers	299	296	98	168	24	6	3	3	—	—	—
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	464	464	144	277	43	—	—	—	—	—	—
1965 to 1968	1 763	1 763	556	1 004	190	13	—	—	—	—	—
1960 to 1964	2 339	2 331	757	1 220	306	48	8	8	—	—	—
1950 to 1959	3 246	3 211	1 213	1 426	455	117	35	15	8	7	5
1940 to 1949	1 163	1 151	619	399	112	21	12	6	6	—	—
1939 or earlier	8 802	8 385	4 311	3 109	809	156	417	311	71	10	25
<b>INCOME IN 1969</b>											
Less than \$2,000	1 560	1 392	1 176	179	33	4	168	149	15	—	4
\$2,000 to \$2,999	950	849	721	106	22	—	101	86	15	—	—
\$3,000 to \$3,999	764	733	616	92	25	—	31	27	4	—	—
\$4,000 to \$4,999	693	649	477	128	41	3	44	34	5	—	5
\$5,000 to \$5,999	741	702	460	171	67	4	39	16	13	—	10
\$6,000 to \$6,999	681	677	354	225	79	19	4	—	4	—	—
\$7,000 to \$9,999	3 445	3 407	1 194	1 728	417	68	38	26	4	4	4
\$10,000 to \$14,999	5 575	5 552	1 554	2 964	863	171	23	5	14	4	—
\$15,000 to \$24,999	2 657	2 653	789	1 454	341	69	4	—	—	4	—
\$25,000 or more	711	711	276	332	76	27	—	—	—	—	—
Median	\$10 000	\$10 200	\$7 000	\$11 800	\$11 700	\$12 500	\$2 600	\$2 300	...	...	...
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup>	13 827	13 556	5 916	5 922	1 448	270	271	216	28	4	23
Less than 1.5	4 517	4 480	1 402	2 318	611	149	37	10	14	4	9
1.5 to 1.9	2 866	2 834	917	1 539	317	61	32	27	—	—	5
2.0 to 2.4	1 986	1 974	720	933	282	39	12	12	—	—	—
2.5 to 2.9	1 176	1 157	505	524	112	16	19	14	5	—	—
3.0 to 3.9	954	924	508	348	63	5	30	25	5	—	—
4.0 or more	2 268	2 127	1 816	248	63	—	141	128	4	—	9
Not computed	60	60	48	12	—	—	—	—	—	—	—
<b>HEATING EQUIPMENT</b>											
Steam or hot water	2 043	2 011	939	841	206	25	32	27	5	—	—
Warm-air furnace	14 488	14 324	6 157	6 194	1 657	316	164	126	20	8	10
Built-in electric units	170	164	62	84	14	4	6	6	—	—	—
Floor, wall, or pipeless furnace	97	87	35	47	—	—	10	5	—	—	—
Other means	979	739	424	213	87	15	240	179	44	4	13
None	—	—	—	—	—	—	—	—	—	—	—
<b>Renter occupied housing units</b>	6 502	5 931	2 926	2 559	366	80	571	211	323	32	5
<b>PERSONS</b>											
1 person	1 967	1 618	1 532	86	—	—	349	154	195	—	—
2 persons	1 777	1 656	1 155	485	—	16	121	57	59	—	5
3 persons	1 088	1 061	214	816	31	—	27	—	22	5	—
4 persons	720	676	20	635	21	—	44	—	38	6	—
5 persons	385	370	5	276	79	10	15	—	9	6	—
6 persons or more	565	550	—	261	235	54	15	—	—	15	—
Median	2.2	2.3	1.5	3.4	6.3	...	1.3	1.2	1.3	...	...
Units with roomers, boarders, or lodgers	206	201	84	102	9	6	5	5	—	—	—
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	104	104	34	70	—	—	—	—	—	—	—
1965 to 1968	337	337	156	162	19	—	—	—	—	—	—
1960 to 1964	196	196	118	73	5	—	—	—	—	—	—
1950 to 1959	339	332	141	180	11	—	7	—	7	—	—
1940 to 1949	172	172	43	123	6	—	—	—	—	—	—
1939 or earlier	5 354	4 784	2 392	1 991	319	82	570	204	330	29	7
<b>INCOME IN 1969</b>											
Less than \$2,000	1 075	894	675	199	16	4	181	79	97	5	—
\$2,000 to \$2,999	556	459	324	122	7	6	97	45	52	—	—
\$3,000 to \$3,999	469	395	227	150	12	6	74	46	23	5	—
\$4,000 to \$4,999	403	375	213	133	20	9	28	11	12	—	5
\$5,000 to \$5,999	466	405	206	173	22	4	61	7	48	6	—
\$6,000 to \$6,999	546	495	242	206	42	5	51	18	28	5	—
\$7,000 to \$9,999	1 507	1 460	564	770	94	32	47	5	36	6	—
\$10,000 to \$14,999	1 119	1 092	351	603	127	11	27	—	27	—	—
\$15,000 to \$24,999	329	324	104	191	26	3	5	—	—	5	—
\$25,000 or more	32	32	20	12	—	—	—	—	—	—	—
Median	\$6 500	\$6 900	\$5 100	\$8 200	\$9 000	...	\$3 100	\$2 600	\$3 500	...	...
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup>	6 085	5 545	2 779	2 369	329	68	540	204	309	22	5
Less than 10 percent	654	596	205	308	65	18	58	11	47	—	—
10 to 14 percent	1 305	1 225	489	640	76	20	80	18	57	—	5
15 to 19 percent	1 041	973	469	415	84	5	68	18	39	11	—
20 to 24 percent	671	597	259	295	32	11	74	22	52	—	—
25 to 34 percent	646	575	312	237	26	—	71	31	40	—	—
35 percent or more	1 351	1 204	818	343	33	10	147	98	44	5	—
Not computed	417	375	227	131	13	4	42	6	30	6	—
<b>HEATING EQUIPMENT</b>											
Steam or hot water	1 664	1 495	811	606	54	24	169	23	141	5	—
Warm-air furnace	3 488	3 323	1 569	1 489	226	39	165	61	88	11	5
Built-in electric units	26	26	10	16	—	—	—	—	—	—	—
Floor, wall, or pipeless furnace	98	93	29	55	9	—	5	5	—	—	—
Other means	1 226	994	507	393	77	17	232	122	94	16	—
None	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A-5. Rooms in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	17 777	26	49	298	2 306	6 071	4 558	2 418	2 051	5.3
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	17 188	6	19	240	2 131	6 002	4 430	2 355	2 005	5.5
<b>PERSONS</b>										
1 person	2 056	10	39	96	507	675	394	153	182	5.1
2 persons	4 528	5	10	152	1 095	1 436	975	384	271	5.1
3 persons	2 525	—	—	40	348	872	721	308	236	5.5
4 persons	2 463	6	—	—	164	1 060	658	372	203	5.7
5 persons	2 191	—	—	5	121	864	603	351	247	5.7
6 persons or more	4 014	5	—	5	71	984	1 207	850	912	6.3
Median	3.4	...	...	1.8	2.1	3.3	3.8	4.5	5.0	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
With all plumbing facilities	17 325	16	32	247	2 187	5 942	4 494	2 391	2 016	5.6
0.50 or less	7 617	—	22	76	1 501	2 219	2 030	822	947	5.5
0.51 to 1.00	7 379	—	10	166	502	2 777	1 781	1 271	872	5.6
1.01 to 1.50	1 964	—	—	—	155	773	613	235	188	5.6
1.51 or more	365	16	—	5	29	173	70	63	9	5.3
Lacking some or all plumbing facilities	452	10	17	51	119	129	64	27	35	4.7
0.50 or less	343	—	17	20	101	92	60	23	30	4.9
0.51 to 1.00	74	10	—	26	10	19	—	4	5	...
1.01 to 1.50	12	—	—	—	4	4	—	—	—	...
1.51 or more	23	—	—	5	4	14	—	—	—	...
<b>BEDROOMS</b>										
None and 1	972	73	123	221	424	68	21	—	42	3.7
2	4 109	—	—	42	1 882	1 669	413	36	67	4.6
3	9 545	—	—	—	196	4 028	3 704	1 232	385	5.6
4 or more	3 374	—	—	—	—	55	699	1 037	1 583	7.4
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	504	—	—	19	116	209	79	31	50	5.1
1960 to 1968	4 113	—	6	32	546	1 911	825	482	311	5.3
1950 to 1959	3 237	6	11	16	558	1 602	661	222	161	5.1
1949 or earlier	9 923	20	32	231	1 086	2 349	2 993	1 683	1 529	5.9
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	14 556	6	27	245	1 960	5 288	3 870	1 833	1 327	5.5
2 or more	2 645	—	—	—	171	714	560	522	678	6.3
None or also used by another household	576	7	8	62	167	166	75	40	51	4.8
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup>	13 827	16	11	135	1 352	5 177	3 758	1 941	1 437	5.6
Less than 1.5	4 517	—	—	39	373	1 416	1 424	685	580	5.8
1.5 to 1.9	2 866	—	5	10	214	1 251	675	442	269	5.5
2.0 to 2.9	3 162	11	—	29	260	1 318	874	409	261	5.5
3.0 or more	3 222	5	6	57	490	1 187	761	399	317	5.4
Not computed	60	—	—	—	15	5	24	6	10	...
<b>Renter occupied housing units</b>	6 502	302	468	1 258	1 924	1 275	772	247	256	4.1
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	5 747	69	362	1 215	1 723	1 190	729	242	217	4.2
<b>PERSONS</b>										
1 person	1 967	281	340	623	449	190	56	16	12	3.1
2 persons	1 777	21	92	452	677	361	103	45	26	4.0
3 persons	1 088	—	36	146	412	280	134	20	60	4.4
4 persons	720	—	—	27	265	204	172	32	20	4.8
5 persons	385	—	—	10	85	140	79	35	36	5.2
6 persons or more	565	—	—	—	36	100	228	99	102	6.1
Median	2.2	1.0	1.2	1.5	2.3	2.8	4.0	4.8	4.8	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
With all plumbing facilities	5 931	102	357	1 176	1 820	1 226	757	247	246	4.2
0.50 or less	2 926	—	257	583	1 074	520	293	81	118	4.1
0.51 to 1.00	2 559	86	69	562	631	616	347	141	107	4.4
1.01 to 1.50	366	—	31	21	97	80	103	25	9	4.9
1.51 or more	80	16	—	10	18	10	14	—	12	...
Lacking some or all plumbing facilities	571	200	111	82	104	49	15	—	10	2.3
0.50 or less	211	—	83	40	52	31	—	—	5	3.1
0.51 to 1.00	323	195	23	36	46	8	—	—	5	1.3
1.01 to 1.50	32	—	5	6	6	10	—	—	—	...
1.51 or more	5	5	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>										
None	290	273	—	17	—	—	—	—	—	...
1	1 968	—	392	910	563	103	—	—	—	3.2
2	2 578	—	—	52	1 498	818	169	41	—	4.3
3 or more	1 477	—	—	—	23	332	621	151	350	6.1
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	99	—	14	10	51	19	5	—	—	...
1960 to 1968	536	19	59	92	251	83	16	11	5	3.9
1950 to 1959	314	—	18	71	83	117	20	—	5	4.3
1949 or earlier	5 553	283	377	1 085	1 539	1 056	731	236	246	4.2
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	5 606	85	362	1 222	1 715	1 173	665	210	174	4.2
2 or more	189	—	—	—	15	30	64	37	43	6.3
None or also used by another household	707	223	129	103	120	85	27	7	13	2.5
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup>	6 085	302	468	1 258	1 881	1 195	683	152	146	4.0
Less than 10 percent	654	62	11	132	213	136	56	25	19	4.1
10 to 14 percent	1 305	52	57	256	411	293	165	27	44	4.2
15 to 19 percent	1 041	23	91	146	397	183	167	14	20	4.2
20 to 24 percent	671	57	51	121	170	139	106	10	17	4.1
25 to 34 percent	646	41	42	156	175	156	62	5	9	4.0
35 percent or more	1 351	51	178	379	382	220	88	36	17	3.7
Not computed	417	16	38	68	133	68	39	35	20	4.2

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
All occupied housing units	17 777	15 703	1 354	720	6 502	1 718	1 848	1 389	876	254	333	64
<b>ROOMS</b>												
1 room	26	21	-	5	302	11	14	35	81	65	96	-
2 rooms	49	16	16	17	468	10	47	121	162	47	81	-
3 rooms	298	155	79	64	1 258	86	395	379	241	77	60	20
4 rooms	2 306	1 461	382	463	1 924	312	689	489	266	44	85	39
5 rooms	6 071	5 497	426	148	1 275	421	437	267	103	16	26	5
6 rooms	4 558	4 234	301	23	772	422	234	83	23	5	5	-
7 rooms	2 418	2 336	82	-	247	214	28	5	-	-	-	-
8 rooms or more	2 051	1 983	68	-	256	242	4	10	-	-	-	-
Median	5.5	5.7	5.0	4.1	4.1	5.5	4.2	3.8	3.3	2.7	2.5	-
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	17 325	15 355	1 261	709	5 931	1 654	1 744	1 288	694	205	282	64
0.50 or less	7 617	6 575	693	349	2 926	647	819	742	410	115	165	28
0.51 to 1.00	7 379	6 660	421	298	2 559	804	792	470	265	90	107	31
1.01 to 1.50	1 964	1 775	127	62	366	171	112	54	14	-	10	5
1.51 or more	365	345	20	-	80	32	21	22	5	-	-	-
Lacking some or all plumbing facilities	452	348	93	11	571	64	104	101	182	49	71	-
0.50 or less	343	264	79	-	211	18	56	59	67	11	-	-
0.51 to 1.00	74	49	14	11	323	31	42	42	104	33	71	-
1.01 to 1.50	12	12	-	-	32	15	6	-	11	-	-	-
1.51 or more	23	23	-	-	5	-	-	-	-	5	-	-
<b>BEDROOMS</b>												
None	73	73	-	-	290	-	-	40	103	85	62	-
1	899	584	255	60	1 968	60	587	612	424	171	114	-
2	4 109	3 195	419	495	2 578	684	961	508	250	25	98	52
3	9 545	9 045	361	139	1 054	591	298	147	18	-	-	-
4 or more	3 374	3 240	134	-	423	408	-	-	15	-	-	-
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	504	374	5	125	99	10	22	19	48	-	-	-
1965 to 1968	1 782	1 465	26	291	340	23	22	43	94	-	137	21
1960 to 1964	2 331	2 106	54	171	196	61	21	33	-	-	58	23
1950 to 1959	3 237	3 110	33	94	314	165	71	16	29	-	18	15
1940 to 1949	1 114	1 066	36	12	196	110	58	5	18	-	18	5
1939 or earlier	8 809	7 582	1 200	27	5 357	1 349	1 654	1 273	687	254	140	-
<b>INCOME IN 1969</b>												
Less than \$2,000	1 560	1 346	180	34	1 075	133	255	318	238	60	65	6
\$2,000 to \$2,999	950	772	151	27	556	117	148	129	88	34	35	5
\$3,000 to \$3,999	764	653	100	11	469	82	126	133	84	34	10	-
\$4,000 to \$4,999	693	576	55	62	403	81	142	102	32	28	18	-
\$5,000 to \$5,999	741	613	61	67	466	146	100	89	82	30	19	-
\$6,000 to \$6,999	681	603	35	43	546	160	175	107	44	27	33	-
\$7,000 to \$9,999	3 445	3 012	252	181	1 507	477	523	269	123	10	80	25
\$10,000 to \$14,999	5 575	4 989	338	248	1 119	400	297	206	117	15	67	17
\$15,000 to \$24,999	2 457	2 459	162	36	329	117	82	36	56	11	16	11
\$25,000 or more	711	680	20	11	32	5	-	-	12	5	10	-
Median	\$10 000	\$10 300	\$8 100	\$8 900	\$6 500	\$7 900	\$6 900	\$5 100	\$4 900	\$4 000	\$6 900	-
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	1 623	1 259	89	275	2 486	523	656	578	390	108	189	42
1968	1 257	1 025	99	133	833	233	225	164	128	20	49	14
1967	993	847	38	108	618	119	227	129	102	6	35	-
1965 and 1966	2 087	1 879	90	118	666	207	213	135	64	35	6	6
1960 to 1964	3 452	3 238	177	37	729	209	198	153	91	35	43	-
1950 to 1959	4 362	3 955	347	60	625	170	177	163	51	42	22	-
1949 or earlier	4 003	3 442	549	12	545	221	160	78	56	-	30	-
<b>GROSS RENT</b>												
Specified renter occupied <sup>1</sup>	...	...	...	...	6 085	1 301	1 848	1 389	876	254	353	64
Less than \$50	...	...	...	...	379	16	82	59	119	38	54	11
\$50 to \$59	...	...	...	...	346	38	85	112	71	17	23	-
\$60 to \$69	...	...	...	...	540	46	157	160	83	66	28	-
\$70 to \$79	...	...	...	...	559	71	185	174	96	27	6	-
\$80 to \$99	...	...	...	...	1 419	206	498	396	182	72	55	10
\$100 to \$119	...	...	...	...	1 097	250	397	261	96	20	58	15
\$120 to \$149	...	...	...	...	873	270	263	134	114	-	82	10
\$150 to \$199	...	...	...	...	492	197	82	67	99	5	42	-
\$200 to \$299	...	...	...	...	68	25	18	10	5	-	5	5
\$300 or more	...	...	...	...	5	-	5	-	-	-	-	-
No cash rent	...	...	...	...	307	182	76	16	11	9	-	13
Median	...	...	...	...	\$95	\$115	\$95	\$88	\$86	\$71	\$104	...
<b>HEATING EQUIPMENT</b>												
Steam or hot water	2 043	1 712	315	16	1 664	204	343	406	387	138	181	5
Warm-air furnace	14 488	12 952	905	631	3 488	1 209	1 124	614	297	69	121	54
Built-in electric units	170	149	5	16	26	6	15	5	-	-	-	-
Floor, wall, or pipeless furnace	97	61	25	11	98	47	10	16	15	-	5	5
Other means	979	829	104	46	1 226	258	365	338	172	47	46	-
None	-	-	-	-	-	-	-	-	-	-	-	-
<b>AIR CONDITIONING</b>												
Room unit(s)	4 101	3 417	455	229	1 344	301	353	289	199	43	134	25
Central system	1 481	1 429	35	17	223	15	25	38	60	7	78	-
None	12 195	10 799	899	497	4 935	1 366	1 478	1 073	623	196	162	37
<b>AUTOMOBILES AVAILABLE</b>												
1	9 261	8 141	717	403	3 630	1 091	1 036	708	449	121	200	25
2	5 813	5 255	304	254	1 004	383	260	185	111	22	18	25
3 or more	1 014	945	46	23	130	28	36	29	31	-	-	6
None	1 689	1 304	322	63	1 738	180	524	478	291	103	156	6

<sup>1</sup>Excludes one-family homes on 10 acres or more.



Table A-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	Two-or-more-person households								One-person households		
		Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b>	17 777	415	2 818	3 442	5 343	1 853	382	240	745	483	676	1 380
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	17 325	415	2 813	3 415	5 311	1 782	367	209	714	463	642	1 194
0.50 or less	7 617	190	428	331	2 254	1 454	155	191	394	384	642	1 194
0.51 to 1.00	7 379	221	1 845	2 026	2 428	308	190	14	277	70	—	—
1.01 to 1.50	1 964	4	494	849	524	20	22	4	43	4	—	—
1.51 or more	365	—	46	209	105	—	—	—	—	5	—	—
<b>Lacking some or all plumbing facilities</b>	452	—	5	27	32	71	15	31	31	20	34	186
0.50 or less	343	—	—	—	—	—	15	—	—	—	—	—
0.51 to 1.00	74	—	5	6	10	44	15	26	24	14	34	176
1.01 to 1.50	12	—	—	—	13	27	—	—	7	6	—	10
1.51 or more	23	—	—	9	9	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1	15 703	221	2 493	3 181	4 936	1 645	347	216	617	422	518	1 107
2 or more	1 354	39	131	198	296	181	18	24	101	55	95	216
Mobile home or trailer	720	155	194	63	111	27	17	—	27	6	63	57
<b>INCOME IN 1969</b>												
Less than \$2,000	1 560	9	45	53	96	249	23	42	81	82	129	751
\$2,000 to \$2,999	950	5	31	24	42	318	—	52	64	72	86	256
\$3,000 to \$3,999	764	5	14	32	57	267	—	19	41	83	65	181
\$4,000 to \$4,999	693	10	19	53	169	229	—	27	46	19	83	38
\$5,000 to \$5,999	741	40	62	66	203	105	15	22	92	50	41	45
\$6,000 to \$6,999	681	35	59	107	191	149	20	—	40	23	52	5
\$7,000 to \$9,999	3 445	155	798	733	1 128	175	73	29	108	61	129	56
\$10,000 to \$14,999	5 575	134	1 390	1 520	1 764	204	164	24	201	72	80	22
\$15,000 to \$24,999	2 657	22	353	680	1 304	97	77	25	61	21	11	6
\$25,000 or more	711	—	47	174	389	60	10	—	11	—	—	20
Median	\$10 000	\$9 000	\$11 400	\$12 100	\$12 200	\$4 400	\$11 800	\$4 300	\$7 200	\$4 200	\$4 700	\$2000—
<b>VALUE-INCOME RATIO</b>												
<b>Specified owner occupied<sup>1</sup></b>	13 827	199	2 249	2 717	4 253	1 486	289	193	535	404	459	1 039
Less than 1.5	4 517	67	717	1 021	1 976	247	142	27	138	98	53	31
1.5 to 1.9	2 866	58	572	696	1 049	183	70	24	68	47	41	58
2.0 to 2.4	1 986	31	498	501	570	129	20	11	88	30	68	39
2.5 to 2.9	1 176	4	238	247	303	169	23	5	47	35	48	57
3.0 to 3.9	954	20	139	165	199	175	11	17	47	61	59	61
4.0 or more	2 268	19	85	87	152	577	14	103	147	137	170	777
Not computed	60	—	—	—	4	6	8	6	—	—	20	16
<b>Renter occupied housing units</b>	6 502	931	1 251	414	705	290	200	27	631	86	1 012	955
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	5 931	892	1 236	393	656	257	190	27	583	79	846	772
0.50 or less	2 926	280	270	52	287	174	76	22	171	62	783	749
0.51 to 1.00	2 559	587	825	219	298	74	104	5	344	17	63	23
1.01 to 1.50	366	19	137	97	52	4	10	—	47	—	—	—
1.51 or more	80	6	4	25	19	—	—	—	21	—	—	—
<b>Lacking some or all plumbing facilities</b>	571	39	15	21	49	33	10	—	48	7	166	183
0.50 or less	211	7	—	—	15	10	5	—	13	7	58	96
0.51 to 1.00	323	26	10	10	24	23	—	—	35	—	108	87
1.01 to 1.50	32	6	—	11	10	—	—	—	—	—	—	—
1.51 or more	5	—	5	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1	1 718	186	597	192	301	89	38	6	92	19	125	73
2 to 4	3 237	557	476	155	349	147	103	6	396	56	447	545
5 to 19	1 130	133	105	51	35	39	49	10	126	11	290	281
20 or more	353	40	46	11	20	15	5	—	10	—	150	56
Mobile home or trailer	64	15	27	5	—	—	5	5	7	—	—	—
<b>GROSS RENT</b>												
<b>Specified renter occupied<sup>2</sup></b>	6 085	869	1 043	358	653	285	200	27	626	86	994	944
Less than \$50	379	4	16	5	16	10	—	—	19	—	148	161
\$50 to \$59	346	28	4	—	20	29	—	—	44	7	77	137
\$60 to \$69	540	42	45	12	39	20	10	5	40	17	151	159
\$70 to \$79	559	52	35	14	95	36	36	—	45	16	138	92
\$80 to \$99	1 419	313	183	75	95	70	45	6	185	25	228	194
\$100 to \$119	1 097	209	240	108	139	15	36	10	130	5	125	80
\$120 to \$149	873	143	255	63	120	38	33	—	118	11	47	45
\$150 to \$199	492	48	197	51	80	20	20	—	23	—	40	13
\$200 to \$299	68	13	20	4	—	5	11	—	9	—	—	6
\$300 or more	5	—	—	—	5	—	—	—	—	—	—	—
No cash rent	307	17	48	26	44	42	9	6	13	5	40	57
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
<b>Specified renter occupied<sup>2</sup></b>	6 085	869	1 043	358	653	285	200	27	626	86	994	944
Less than \$5,000	2 380	169	75	14	99	175	41	11	365	32	573	826
Less than 20 percent	183	20	5	—	10	16	—	—	23	12	58	39
20 to 24 percent	212	22	—	—	10	20	—	—	10	—	92	58
25 to 34 percent	436	62	11	6	25	23	10	—	62	6	114	117
35 percent or more	1 299	54	49	8	49	90	26	5	236	9	223	550
Not computed	250	11	10	—	5	26	5	6	34	5	86	62
\$5,000 to \$9,999	2 326	486	512	145	276	88	125	11	203	39	343	98
Less than 20 percent	1 533	327	284	88	186	36	83	11	142	26	287	63
20 to 24 percent	422	107	138	28	24	21	22	—	28	13	32	9
25 to 34 percent	210	33	55	9	37	5	5	—	27	—	19	20
35 percent or more	52	14	11	—	5	5	11	—	—	—	—	6
Not computed	109	5	24	20	24	21	4	—	6	—	5	—
\$10,000 to \$14,999	1 060	186	363	138	188	6	34	5	43	9	68	20
Less than 20 percent	976	174	328	133	173	6	29	5	31	9	68	20
20 to 24 percent	37	6	21	5	—	—	—	—	5	—	—	—
25 percent or more	—	—	—	—	—	—	—	—	—	—	—	—
Not computed	47	6	14	—	15	—	5	—	7	—	—	—
\$15,000 or more	319	28	93	61	90	16	—	—	15	6	10	—
Less than 20 percent	308	28	93	55	85	16	—	—	15	6	10	—
20 to 24 percent	—	—	—	—	—	—	—	—	—	—	—	—
25 percent or more	—	—	—	—	—	—	—	—	—	—	—	—
Not computed	11	—	—	6	5	—	—	—	—	—	—	—

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A-8. Persons in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b> .....	17 777	2 056	4 528	2 525	2 463	2 191	1 646	1 134	1 234	3.4
<b>BEDROOMS</b>										
None and 1 .....	972	418	492	25	—	—	—	37	—	1.6
2 .....	4 109	871	1 827	601	477	262	71	—	—	2.1
3 .....	9 545	790	1 891	1 509	1 505	1 548	1 210	541	551	3.9
4 or more .....	3 374	261	363	188	436	486	416	499	725	5.4
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	504	11	139	105	109	68	44	23	5	3.5
1965 to 1968 .....	1 782	94	317	297	303	334	235	99	103	4.1
1960 to 1964 .....	2 331	138	431	397	414	395	264	149	143	4.0
1950 to 1959 .....	3 237	279	833	400	633	396	301	153	242	3.7
1940 to 1949 .....	1 114	141	385	134	152	121	61	62	58	2.7
1939 or earlier .....	8 809	1 393	2 423	1 192	852	877	741	648	683	3.0
<b>UNITS IN STRUCTURE</b>										
1 .....	15 703	1 625	3 838	2 221	2 244	2 010	1 492	1 093	1 180	3.6
2 or more .....	1 354	311	428	156	133	111	124	37	54	2.4
Mobile home or trailer .....	720	120	262	148	86	70	30	4	—	2.4
<b>COMPLETE BATHROOMS</b>										
1 and 1/2 .....	14 556	1 622	3 946	2 192	1 978	1 782	1 234	914	888	3.3
2 and 2 1/2 .....	2 400	116	363	332	422	358	339	195	275	4.4
3 or more .....	245	8	48	42	48	33	6	30	40	4.0
None or also used by another household .....	576	238	166	36	25	22	46	18	25	1.8
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	15 721	...	4 528	2 525	2 463	2 191	1 646	1 134	1 234	3.8
Male head, wife present, no nonrelatives .....	13 871	...	3 583	2 119	2 245	2 064	1 565	1 096	1 199	4.0
Under 25 years .....	415	...	122	188	68	32	—	5	—	3.0
25 to 34 years .....	2 818	...	268	303	785	655	426	213	168	4.6
35 to 44 years .....	3 442	...	134	251	479	730	682	496	670	5.7
45 to 64 years .....	5 343	...	1 604	1 123	853	617	437	368	341	3.5
65 years and over .....	1 853	...	1 455	254	60	30	20	14	20	2.1
Other male head .....	622	...	293	111	74	76	46	13	9	2.7
Under 65 years .....	382	...	120	66	70	67	41	9	9	3.6
65 years and over .....	240	...	173	45	4	9	5	4	—	2.2
Female head .....	1 228	...	652	295	144	51	35	25	26	2.4
Under 65 years .....	745	...	316	205	109	38	35	21	21	2.8
65 years and over .....	483	...	336	90	35	13	—	4	5	2.2
<b>One-person households</b> .....	2 056	2 056	...	...	...	...	...	...	...	1.0
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	13 827	1 498	3 521	1 951	2 047	1 783	1 272	849	906	3.5
Less than 1.5 .....	4 517	84	836	810	728	703	512	374	470	4.2
1.5 to 1.9 .....	2 866	99	663	437	545	439	280	207	196	3.9
2.0 to 2.4 .....	1 986	107	439	291	374	318	222	99	134	3.9
2.5 to 2.9 .....	1 176	105	324	158	210	160	82	98	39	3.5
3.0 to 3.9 .....	954	120	318	121	121	92	103	46	33	2.8
4.0 or more .....	2 268	947	929	134	69	67	65	25	32	1.7
Not computed .....	60	36	12	—	—	4	8	—	—	...
<b>Renter occupied housing units</b> .....	6 502	1 967	1 777	1 088	720	385	260	173	132	2.2
<b>BEDROOMS</b>										
None .....	290	267	23	—	—	—	—	—	—	...
1 .....	1 968	1 048	687	199	18	16	—	—	—	1.4
2 .....	2 578	353	797	801	364	188	37	38	—	2.7
3 or more .....	1 477	20	144	311	359	185	193	176	89	4.2
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	99	13	41	13	26	6	—	—	—	...
1965 to 1968 .....	340	91	144	57	27	16	5	—	—	2.0
1960 to 1964 .....	196	53	72	30	21	5	9	6	—	2.1
1950 to 1959 .....	314	54	123	36	62	28	11	—	—	2.3
1940 to 1949 .....	196	21	55	65	21	14	12	4	4	2.8
1939 or earlier .....	5 357	1 735	1 342	887	563	316	223	163	128	2.2
<b>UNITS IN STRUCTURE</b>										
1 .....	1 718	198	360	294	253	212	194	105	102	3.5
2 .....	1 848	453	514	414	261	85	46	50	25	2.4
3 and 4 .....	1 389	539	424	208	114	65	20	14	5	1.9
5 to 9 .....	876	411	272	107	64	18	—	4	—	1.6
10 to 19 .....	254	160	66	17	6	5	—	—	—	1.3
20 or more .....	353	206	98	43	6	—	—	—	—	1.4
Mobile home or trailer .....	64	—	43	5	16	—	—	—	—	...
<b>COMPLETE BATHROOMS</b>										
1 and 1/2 .....	5 606	1 548	1 629	972	636	348	221	128	124	2.3
2 or more .....	189	41	22	14	21	13	52	13	13	4.3
None or also used by another household .....	707	437	141	23	57	22	—	19	8	1.3
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	4 535	...	1 777	1 088	720	385	260	173	132	3.0
Male head, wife present, no nonrelatives .....	3 591	...	1 276	839	631	343	214	162	126	3.1
Under 25 years .....	931	...	418	326	150	25	6	—	6	2.6
25 to 34 years .....	1 251	...	248	297	280	244	113	44	25	3.8
35 to 44 years .....	414	...	47	54	102	31	53	71	56	4.6
45 to 64 years .....	705	...	308	140	99	35	42	47	34	2.8
65 years and over .....	290	...	255	22	—	8	—	—	5	2.1
Other male head .....	227	...	120	82	16	5	4	—	—	2.4
Under 65 years .....	200	...	93	82	16	5	4	—	—	2.6
65 years and over .....	27	...	—	—	—	—	—	—	—	...
Female head .....	717	...	381	167	73	37	42	11	6	2.4
Under 65 years .....	631	...	310	152	73	37	42	11	6	2.5
65 years and over .....	86	...	71	15	—	—	—	—	—	...
<b>One-person households</b> .....	1 967	1 967	...	...	...	...	...	...	...	1.0
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	6 085	1 938	1 723	1 017	644	342	198	124	99	2.1
Less than 10 percent .....	654	97	230	158	69	38	16	24	22	2.5
10 to 14 percent .....	1 305	239	406	276	155	105	70	27	27	2.5
15 to 19 percent .....	1 041	209	358	189	113	96	32	28	16	2.4
20 to 24 percent .....	671	191	170	130	93	55	15	6	11	2.4
25 to 34 percent .....	646	270	160	84	78	16	15	19	4	1.8
35 percent or more .....	1 351	779	278	120	106	11	33	14	10	1.4
Not computed .....	417	153	121	60	30	21	17	6	9	2.0

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A—9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA				The SMSA					
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b>	109	38	48	23	<b>Vacant for rent</b>	392	198	115	79
<b>ROOMS</b>				<b>ROOMS</b>					
1 to 3 rooms	—	—	—	—	1 room	44	32	8	4
4 rooms	6	—	6	—	2 rooms	34	25	3	6
5 rooms	43	16	27	—	3 rooms	75	37	20	18
6 rooms	43	9	11	23	4 rooms	106	51	37	18
7 rooms or more	17	13	4	—	5 rooms	60	22	26	12
<b>PLUMBING FACILITIES</b>				<b>PLUMBING FACILITIES</b>					
With all plumbing facilities	103	38	48	17	6 rooms	44	23	17	4
Lacking some or all plumbing facilities	6	—	—	6	7 rooms or more	29	8	4	17
<b>BEDROOMS</b>				<b>BEDROOMS</b>					
None and 1	—	—	—	—	With all plumbing facilities	299	149	93	57
2	—	—	—	—	Lacking some or all plumbing facilities	93	49	22	22
3	114	33	54	27	<b>BEDROOMS</b>				
4 or more	63	48	15	—	None	27	27	—	—
<b>YEAR STRUCTURE BUILT</b>				<b>YEAR STRUCTURE BUILT</b>					
1969 to March 1970	38	19	19	—	1	189	120	33	36
1960 to 1968	14	5	9	—	2	117	36	36	45
1950 to 1959	7	—	7	—	3 or more	57	57	—	—
1949 or earlier	50	14	13	23	<b>YEAR STRUCTURE BUILT</b>				
<b>UNITS IN STRUCTURE</b>				<b>UNITS IN STRUCTURE</b>					
1	101	38	48	15	1969 to March 1970	7	7	—	—
2 or more	8	—	—	8	1960 to 1968	8	8	—	—
<b>HEATING EQUIPMENT</b>				<b>HEATING EQUIPMENT</b>					
Steam or hot water	11	3	4	4	1950 to 1959	12	4	4	4
Warm-air furnace	98	35	44	19	1949 or earlier	365	179	111	75
Built-in electric units	—	—	—	—	<b>UNITS IN STRUCTURE</b>				
Floor, wall, or pipeless furnace	—	—	—	—	1	86	32	40	14
Other means	—	—	—	—	2 to 4	145	79	51	35
None	—	—	—	—	5 to 9	102	68	16	18
<b>SALES PRICE ASKED</b>				<b>RENT ASKED</b>					
Specified vacant for sale <sup>1</sup>	97	34	48	15	10 to 19	24	15	4	5
Less than \$5,000	—	—	—	—	20 or more	15	4	4	7
\$5,000 to \$9,999	15	—	—	15	<b>RENT ASKED</b>				
\$10,000 to \$14,999	21	4	17	—	Specified vacant for rent <sup>2</sup>	369	183	115	71
\$15,000 to \$19,999	8	8	—	—	Less than \$50	85	41	18	26
\$20,000 to \$24,999	27	7	20	—	\$50 to \$59	64	21	28	15
\$25,000 to \$34,999	23	12	11	—	\$60 to \$79	87	58	19	10
\$35,000 to \$49,999	3	3	—	—	\$80 to \$99	70	21	33	16
\$50,000 or more	—	—	—	—	\$100 to \$119	27	23	4	—
Median price asked	...	...	...	...	\$120 to \$149	16	8	4	4
					\$150 to \$199	13	7	6	—
					\$200 or more	7	4	3	—
					Median rent asked	\$68	\$70	\$72	...

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A—10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The SMSA	Sales price asked—Vacant for sale <sup>1</sup>							Rent asked—Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b>	97	15	21	8	27	23	3	369	149	87	70	43	13	7
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities	159	27	42	30	42	—	18	299	54	104	45	78	18	—
Lacking some or all plumbing facilities	—	—	—	—	—	—	—	76	27	34	—	—	—	15
<b>BEDROOMS</b>														
None and 1	—	—	—	—	—	—	—	216	81	120	—	—	—	15
2	—	—	—	—	—	—	—	117	—	18	45	36	18	—
3	96	27	27	15	27	—	—	27	—	—	—	27	—	—
4 or more	63	—	15	15	15	—	18	15	—	—	—	15	—	—
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970	38	—	—	—	12	23	3	7	—	—	—	4	3	—
1960 to 1968	14	—	4	5	5	—	—	4	—	—	4	—	—	—
1950 to 1959	7	—	—	—	7	—	—	12	—	—	4	8	—	—
1949 or earlier	38	15	17	3	3	—	—	346	149	87	62	31	10	7
<b>UNITS IN STRUCTURE</b>														
1	...	...	...	...	...	...	...	63	19	20	9	12	—	3
2 to 4	...	...	...	...	...	...	...	165	59	29	40	23	10	4
5 to 9	...	...	...	...	...	...	...	126	68	30	17	8	3	—
20 or more	...	...	...	...	...	...	...	15	3	8	4	—	—	—
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included	...	...	...	...	...	...	...	191	95	49	25	14	4	4
Some or no utilities included	...	...	...	...	...	...	...	178	54	38	45	29	9	3

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B-1. Value of Owner Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 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)
<b>Specified owner occupied<sup>1</sup></b>	<b>10 519</b>	<b>89</b>	<b>306</b>	<b>645</b>	<b>1 124</b>	<b>1 302</b>	<b>2 950</b>	<b>2 211</b>	<b>1 332</b>	<b>363</b>	<b>197</b>	<b>18 200</b>
<b>ROOMS</b>												
1 and 2 rooms	16	—	—	—	—	—	5	6	5	—	—	...
3 rooms	96	15	28	4	25	20	4	—	—	—	—	...
4 rooms	1 014	22	58	87	170	177	291	125	79	—	5	14 900
5 rooms	3 931	10	107	197	289	404	1 304	1 112	472	26	10	18 900
6 rooms	2 951	28	63	230	377	449	813	541	353	81	16	17 000
7 rooms	1 412	8	24	76	166	152	355	305	217	93	16	18 800
8 rooms or more	1 099	6	26	51	97	100	178	122	206	163	150	23 800
Median	5.6	...	5.1	5.7	5.7	5.6	5.4	5.4	5.8	7.3	7.5+	...
<b>PERSONS</b>												
1 person	1 070	25	95	108	202	175	270	103	60	26	6	14 000
2 persons	2 704	21	109	220	307	483	785	375	259	68	77	16 300
3 persons	1 535	18	50	123	146	135	438	374	187	59	5	18 500
4 persons	1 587	6	12	30	126	164	400	492	262	58	37	20 600
5 persons	1 357	4	9	63	113	100	377	353	254	54	30	20 200
6 persons or more	2 266	15	31	101	230	245	680	514	310	98	42	19 000
Median	3.5	...	2.0	2.5	2.9	2.5	3.5	4.0	4.1	4.0	3.8	...
Units with roomers, boarders, or lodgers	176	3	4	14	25	30	50	29	21	—	—	15 900
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	<b>10 373</b>	<b>76</b>	<b>255</b>	<b>611</b>	<b>1 102</b>	<b>1 295</b>	<b>2 931</b>	<b>2 211</b>	<b>1 332</b>	<b>363</b>	<b>197</b>	<b>18 300</b>
0.50 or less	4 555	46	163	368	581	738	1 244	654	447	186	128	16 400
0.51 to 1.00	4 542	30	77	176	388	409	1 225	1 252	763	153	69	19 900
1.01 to 1.50	1 076	—	10	62	104	127	392	245	112	24	—	18 300
1.51 or more	200	—	5	20	29	21	70	60	10	—	—	17 900
<b>Lacking some or all plumbing facilities</b>	<b>146</b>	<b>13</b>	<b>51</b>	<b>34</b>	<b>22</b>	<b>7</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8 200</b>
0.50 or less	118	8	42	34	12	7	15	—	—	—	—	8 200
0.51 to 1.00	24	5	9	—	—	—	—	—	—	—	—	...
1.01 to 1.50	4	—	—	—	—	—	—	—	—	—	—	...
1.51 or more	—	—	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>												
None and 1	439	25	36	64	81	87	64	43	39	—	—	12 900
2	2 408	37	151	270	382	429	722	269	106	—	42	14 600
3	6 178	15	180	133	537	652	1 992	1 621	785	197	66	19 000
4 or more	1 727	—	15	105	162	125	458	251	257	222	132	20 000
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	196	—	—	—	—	—	14	60	67	45	10	28 600
1965 to 1968	881	—	—	—	5	10	77	379	302	89	19	24 600
1960 to 1964	1 497	—	6	21	5	14	391	639	293	90	38	22 400
1950 to 1959	2 222	—	5	19	81	148	847	661	354	50	57	20 100
1940 to 1949	841	4	4	21	63	152	327	135	83	27	25	18 000
1939 or earlier	4 882	85	291	584	970	978	1 294	337	233	62	48	13 800
<b>COMPLETE BATHROOMS</b>												
1 and 1 1/2	8 541	73	218	600	1 024	1 192	2 549	1 783	946	113	43	17 500
2 and 2 1/2	1 614	—	18	35	73	92	347	407	377	195	70	23 000
3 or more	162	—	—	—	—	—	—	—	51	41	70	46 000
None or also used by another household	188	28	44	38	22	15	27	14	—	—	—	8 900
<b>HOUSEHOLD COMPOSITION</b>												
<b>Two-or-more-person households</b>	<b>9 449</b>	<b>64</b>	<b>211</b>	<b>537</b>	<b>922</b>	<b>1 127</b>	<b>2 680</b>	<b>2 108</b>	<b>1 272</b>	<b>337</b>	<b>191</b>	<b>18 600</b>
Male head, wife present, no nonrelatives	8 312	52	171	398	751	934	2 384	1 969	1 181	301	171	19 000
Under 25 years	139	—	—	10	26	10	50	24	14	5	—	18 400
25 to 34 years	1 584	—	11	40	132	157	479	503	225	31	6	19 800
35 to 44 years	2 081	10	20	62	134	173	551	609	370	105	47	20 700
45 to 64 years	3 396	32	55	205	307	403	1 005	686	488	130	81	18 600
65 years and over	1 112	10	85	81	152	187	299	147	84	30	37	15 800
Other male head	373	—	10	52	57	44	108	27	45	16	14	15 700
Under 65 years	226	—	10	24	42	25	51	19	35	16	4	15 700
65 years and over	147	—	—	28	15	19	57	8	10	—	10	15 900
Female head	764	12	30	87	114	149	188	112	46	20	6	14 800
Under 65 years	420	5	20	25	43	74	106	93	38	16	—	17 600
65 years and over	344	7	10	62	71	75	82	19	8	4	6	13 200
<b>One-person households</b>	<b>1 070</b>	<b>25</b>	<b>95</b>	<b>108</b>	<b>202</b>	<b>175</b>	<b>270</b>	<b>103</b>	<b>60</b>	<b>26</b>	<b>6</b>	<b>14 000</b>
Under 65 years	341	10	35	30	50	59	85	42	14	10	6	14 400
65 years and over	729	15	60	78	152	116	185	61	46	16	—	13 800
<b>INCOME IN 1969</b>												
Less than \$2,000	784	19	74	103	155	157	149	64	38	5	20	13 200
\$2,000 to \$2,999	457	9	38	9	76	96	138	38	10	—	—	13 900
\$3,000 to \$3,999	414	9	47	65	49	102	85	25	17	9	6	13 400
\$4,000 to \$4,999	385	5	19	52	77	48	103	54	17	10	—	14 600
\$5,000 to \$5,999	303	10	16	33	45	53	94	29	18	—	5	14 700
\$6,000 to \$6,999	339	—	30	44	44	39	112	64	10	—	—	15 600
\$7,000 to \$9,999	2 017	16	36	108	289	269	689	391	189	15	15	17 300
\$10,000 to \$14,999	3 531	17	36	144	314	359	1 113	980	500	63	5	19 100
\$15,000 to \$24,999	1 817	4	4	43	55	164	429	514	435	149	20	22 000
\$25,000 or more	472	—	6	5	20	15	38	52	98	112	126	35 300
Median	\$10 800	...	\$3 900	\$6 400	\$8 200	\$8 700	\$10 500	\$12 200	\$13 700	\$20 300	\$33 700	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	837	6	6	30	49	52	168	261	197	55	13	22 100
1968	731	—	28	41	72	32	169	174	153	35	27	20 700
1967	610	—	6	29	21	93	135	153	113	44	16	20 700
1965 and 1966	1 239	—	8	19	125	160	299	371	195	54	8	20 100
1960 to 1964	2 244	23	33	61	199	166	693	603	322	109	35	19 700
1950 to 1959	2 810	29	74	230	287	465	897	446	300	19	63	17 100
1949 or earlier	2 034	43	125	263	366	331	562	196	94	33	21	14 200
<b>HEATING EQUIPMENT</b>												
Steam or hot water	1 150	11	23	78	165	153	300	154	167	71	28	17 300
Warm-air furnace	8 910	46	190	459	874	1 108	2 603	2 018	1 151	292	169	18 500
Built-in electric units	36	—	—	—	—	—	6	21	9	—	—	...
Floor, wall, or pipeless furnace	48	15	4	9	16	—	4	—	—	—	—	...
Other means	375	17	89	99	69	41	37	18	5	—	—	9 600
None	—	—	—	—	—	—	—	—	—	—	—	—
<b>AIR CONDITIONING</b>												
Room unit(s)	2 724	—	46	168	226	335	794	621	408	78	48	18 900
Central system	1 177	—	—	17	—	31	133	315	368	183	112	27 000
None	6 604	101	234	488	875	933	1 996	1 268	598	88	23	16 700

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

Table B—2. Gross Rent of Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	5 321	350	321	474	514	1 237	960	781	447	49	—	188	95
<b>ROOMS</b>													
1 room	302	194	39	10	28	11	14	—	6	—	—	—	50—
2 rooms	417	50	41	125	49	85	29	11	—	—	—	—	27
3 rooms	1 154	50	130	135	161	413	133	75	32	4	—	—	21
4 rooms	1 641	30	53	144	172	411	330	263	179	13	—	—	46
5 rooms	1 039	16	45	45	78	200	239	243	131	9	—	—	33
6 rooms	572	6	9	10	15	83	179	135	85	18	—	—	32
7 rooms	115	4	—	—	6	21	24	26	9	—	—	—	25
8 rooms or more	81	—	4	5	5	13	12	28	5	5	—	—	4
Median	4.0	1.4	3.1	3.3	3.6	3.8	4.4	4.7	4.5	...	—	—	4.5
<b>PERSONS</b>													
1 person	1 806	291	207	294	212	410	174	92	53	6	—	—	67
2 persons	1 522	40	79	120	160	357	299	238	155	14	—	—	60
3 persons	861	10	15	38	58	258	201	165	75	19	—	—	22
4 persons	528	9	16	11	42	94	116	146	79	10	—	—	5
5 persons	253	—	4	5	19	34	89	54	38	—	—	—	10
6 persons or more	351	—	—	6	23	84	81	86	47	—	—	—	5
Median	2.1	1.1	1.3	1.3	1.8	2.1	2.5	2.9	2.7	...	—	—	2.0
Units with roomers, boarders, or lodgers	182	10	—	—	24	37	30	46	25	10	—	—	—
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	4 821	126	217	381	475	1 218	951	781	441	49	—	—	182
0.50 or less	2 473	82	162	291	263	601	418	323	200	22	—	—	111
0.51 to 1.00	2 003	38	51	73	172	519	450	402	209	27	—	—	62
1.01 to 1.50	286	—	—	11	29	76	73	56	32	—	—	—	9
1.51 or more	59	6	4	6	11	22	10	—	—	—	—	—	—
<b>Lacking some or all plumbing facilities</b>	500	224	104	93	39	19	9	—	6	—	—	—	6
0.50 or less	198	42	54	61	22	13	—	—	—	—	—	—	6
0.51 to 1.00	286	177	50	32	12	—	9	—	6	—	—	—	—
1.01 to 1.50	11	—	—	—	5	6	—	—	—	—	—	—	—
1.51 or more	5	—	—	—	—	—	—	—	—	—	—	—	—
<b>BEDROOMS</b>													
None	290	152	59	22	39	—	18	—	—	—	—	—	—
1	1 912	89	143	356	290	528	162	203	39	—	—	—	102
2	2 125	37	91	39	135	463	632	413	201	43	—	—	71
3 or more	952	—	25	—	81	133	259	267	99	88	—	—	—
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	71	—	—	—	6	—	9	9	38	9	—	—	—
1965 to 1968	294	—	5	—	—	28	44	64	147	6	—	—	—
1960 to 1964	145	—	—	6	—	5	26	52	24	10	—	—	22
1950 to 1959	220	9	6	—	17	44	25	58	45	—	—	—	16
1940 to 1949	129	—	—	—	—	16	46	20	30	—	—	—	17
1939 or earlier	4 462	341	310	468	491	1 144	810	578	163	24	—	—	133
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	42	—	—	42	—	—	—	—	—	—	—	—	—
With elevator	22	—	—	22	—	—	—	—	—	—	—	—	—
Walk-up	20	—	—	20	—	—	—	—	—	—	—	—	—
1 to 3 floors	5 237	278	318	375	545	1 124	1 071	883	339	131	—	—	173
<b>COMPLETE BATHROOMS</b>													
1 and 1/2	4 582	96	198	394	463	1 210	881	720	415	26	—	—	179
2 or more	138	—	—	7	7	26	7	20	46	7	—	—	18
None or also used by another household	617	292	122	77	41	41	13	—	24	—	—	—	7
<b>INCOME IN 1969</b>													
Less than \$2,000	958	168	159	132	102	234	82	28	14	—	—	—	39
\$2,000 to \$2,999	472	55	43	65	40	107	80	59	—	6	—	—	17
\$3,000 to \$3,999	392	18	39	44	56	111	64	34	10	—	—	—	16
\$4,000 to \$4,999	369	11	17	70	33	79	58	25	4	—	—	—	16
\$5,000 to \$5,999	371	25	12	15	46	118	71	54	10	—	—	—	20
\$6,000 to \$6,999	420	24	17	47	78	74	87	47	11	—	—	—	5
\$7,000 to \$9,999	1 156	38	13	79	97	305	240	212	117	16	—	—	39
\$10,000 to \$14,999	893	11	10	16	46	175	224	248	124	14	—	—	25
\$15,000 to \$24,999	263	—	11	6	16	29	54	43	89	4	—	—	11
\$25,000 or more	27	—	—	—	—	5	—	—	17	5	—	—	—
Median	\$6 300	\$2 100	\$2 000	\$3 900	\$5 600	\$5 700	\$7 500	\$8 600	\$10 300	...	—	—	\$5 300
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	2 060	93	124	120	159	537	392	350	245	19	—	—	21
1968	663	8	6	52	27	185	177	115	86	—	—	—	7
1967	512	14	26	65	59	104	65	79	76	5	—	—	19
1965 and 1966	544	57	32	62	62	105	79	94	24	—	—	—	29
1960 to 1964	628	69	37	51	96	159	78	57	37	—	—	—	44
1950 to 1959	594	101	39	93	79	119	70	39	9	—	—	—	45
1949 or earlier	336	46	56	35	29	68	40	6	8	9	—	—	39
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	550	81	39	76	72	146	92	22	17	5	—	—	81
10 to 14 percent	1 104	40	35	82	155	279	227	187	99	—	—	—	98
15 to 19 percent	929	22	23	76	68	207	218	215	87	13	—	—	106
20 to 24 percent	601	51	38	32	42	117	107	100	109	5	—	—	104
25 to 34 percent	592	66	27	37	50	142	95	101	64	10	—	—	95
35 percent or more	1 264	78	140	160	127	309	211	156	67	16	—	—	86
Not computed	281	12	19	11	—	37	10	—	4	—	—	—	188
<b>AIR CONDITIONING</b>													
Room unit(s)	1 173	29	27	63	107	222	238	221	209	7	—	—	50
Central system	210	—	7	7	—	13	39	51	80	5	—	—	8
None	3 954	359	286	408	404	1 042	624	468	196	21	—	—	146

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table B-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
<b>Owner occupied housing units</b>	<b>11 991</b>	<b>963</b>	<b>635</b>	<b>507</b>	<b>434</b>	<b>374</b>	<b>383</b>	<b>2 289</b>	<b>3 905</b>	<b>1 994</b>	<b>507</b>	<b>10 500</b>
<b>ROOMS</b>												
1 and 2 rooms	37	—	11	—	—	—	—	16	5	—	5	...
3 rooms	194	55	25	24	24	9	9	25	8	10	5	3 700
4 rooms	1 405	225	158	94	91	103	46	276	256	136	20	6 700
5 rooms	4 366	318	214	199	153	120	164	915	1 594	617	72	10 800
6 rooms	3 291	196	140	137	120	90	118	621	1 171	575	123	11 000
7 rooms or more	2 698	169	87	53	46	52	46	436	871	656	282	12 600
<b>PERSONS</b>												
1 person	1 432	627	221	164	78	68	45	116	76	17	20	2 400
2 persons	3 153	242	358	282	217	185	151	555	704	353	106	7 800
3 and 4 persons	3 453	48	31	47	111	91	93	813	1 321	738	160	11 900
5 persons	1 466	13	5	—	18	17	24	318	663	332	76	12 500
6 persons or more	2 487	33	20	14	10	13	70	487	1 141	554	145	12 600
Units with roomers, boarders, or lodgers	223	33	29	26	4	15	5	30	71	10	—	6 900
<b>BEDROOMS</b>												
Less than 3	3 568	635	375	218	291	176	184	735	570	277	107	6 800
3	6 637	424	217	130	201	170	162	1 523	2 425	1 118	267	11 000
4 or more	1 908	172	47	65	45	52	33	199	608	503	184	12 800
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	201	—	—	—	—	—	14	59	56	63	9	12 500
1960 to 1968	2 475	45	36	13	32	16	35	412	1 138	614	134	12 800
1950 to 1959	2 275	77	43	75	57	77	59	470	843	430	144	11 700
1949 or earlier	7 040	841	556	419	345	281	275	1 348	1 868	887	220	8 800
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	943	34	12	6	13	13	43	223	403	183	13	11 600
1968	823	42	7	21	20	7	11	200	323	144	48	11 600
1960 to 1967	4 419	130	97	88	63	91	97	884	1 856	894	219	12 000
1959 or earlier	5 806	696	512	434	300	274	229	911	1 432	804	214	8 500
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	8 730	467	202	223	189	209	251	1 949	3 051	1 646	543	11 400
Clothes dryer	8 061	418	120	104	230	188	168	1 788	2 992	1 554	499	11 700
Dishwasher	2 329	115	20	28	16	20	19	275	912	633	291	13 700
Home food freezer	4 435	138	74	82	224	62	83	927	1 560	969	316	12 000
Owned second home	370	—	—	—	—	50	—	108	99	113	—	...
With air conditioning	4 424	220	146	146	66	131	103	725	1 483	1 007	397	12 300
Room unit(s)	3 206	179	146	129	48	110	89	608	1 116	617	164	11 300
Central system	1 218	41	—	17	18	21	14	117	367	390	233	15 400
Automobiles available:												
1	6 228	433	375	294	291	214	284	1 483	2 174	606	74	9 500
2	3 850	38	35	34	34	40	45	637	1 542	1 146	299	13 400
3 or more	681	6	—	—	—	8	13	41	226	266	121	16 700
<b>Renter occupied housing units</b>	<b>5 379</b>	<b>963</b>	<b>487</b>	<b>392</b>	<b>373</b>	<b>371</b>	<b>420</b>	<b>1 162</b>	<b>905</b>	<b>279</b>	<b>27</b>	<b>6 200</b>
<b>ROOMS</b>												
1 room	302	114	41	29	16	21	27	27	22	5	—	2 900
2 rooms	417	150	51	45	52	33	25	45	16	—	—	3 200
3 rooms	1 154	309	127	130	45	93	117	156	131	46	—	4 200
4 rooms	1 658	226	146	78	150	93	127	414	321	91	12	7 100
5 rooms	1 070	114	86	74	57	85	48	313	225	58	10	7 700
6 rooms or more	778	50	36	36	53	46	76	207	190	79	5	8 300
<b>PERSONS</b>												
1 person	1 822	744	253	183	128	99	153	158	94	10	—	2 700
2 persons	1 532	118	124	125	115	146	122	375	289	98	20	7 100
3 and 4 persons	1 416	80	92	66	94	79	96	460	332	111	7	8 300
5 persons	258	5	5	10	4	19	21	102	73	19	—	8 900
6 persons or more	351	16	13	8	32	12	45	67	117	41	—	9 200
Units with roomers, boarders, or lodgers	182	21	22	27	27	35	—	36	14	—	—	4 600
<b>BEDROOMS</b>												
None	290	84	22	42	22	19	38	45	18	—	—	...
1	1 912	484	253	289	64	130	143	350	176	23	—	3 800
2	2 201	259	157	106	189	241	132	503	470	107	37	7 100
3 or more	952	21	37	52	46	55	148	314	160	119	—	8 100
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	71	5	—	—	—	4	—	15	34	13	—	...
1960 to 1968	439	41	5	5	29	9	43	97	116	77	17	9 700
1950 to 1959	257	16	10	20	16	5	21	72	77	20	—	8 700
1949 or earlier	4 612	901	472	367	328	353	356	978	678	169	10	5 700
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	2 071	338	178	177	199	152	177	406	320	124	—	5 900
1968	674	53	68	25	18	33	26	224	180	37	10	8 500
1960 to 1967	1 697	319	141	93	112	109	169	381	305	61	7	6 400
1959 or earlier	937	283	107	47	54	58	49	148	122	63	6	4 600
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup>	5 321	958	472	392	369	371	420	1 156	893	263	27	6 200
Less than 15 percent	1 654	—	—	12	22	47	156	484	658	248	27	10 800
15 to 19 percent	929	6	10	29	83	95	109	415	178	4	—	8 000
20 to 24 percent	601	17	50	70	69	113	88	162	32	—	—	5 800
25 to 34 percent	592	55	79	157	115	86	50	50	—	—	—	4 000
35 percent or more	1 264	748	316	108	64	10	12	6	—	—	—	2000—
Not computed	281	132	17	16	16	20	5	39	25	11	—	2 500
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	2 086	114	110	111	126	134	176	648	489	141	37	8 300
Clothes dryer	1 317	43	41	39	103	106	138	379	290	141	37	8 500
Dishwasher	232	—	47	—	43	24	—	—	38	42	18	...
Home food freezer	376	—	18	—	—	48	55	119	55	42	—	...
Owned second home	92	17	—	—	—	17	—	19	21	—	—	...
With air conditioning	1 395	129	57	40	83	88	100	323	383	169	23	8 900
Room unit(s)	1 185	115	57	34	76	77	85	277	326	115	23	8 600
Central system	210	14	—	6	7	11	15	46	57	54	—	10 500
Automobiles available:												
1	2 931	262	208	154	199	245	240	831	649	137	6	7 600
2	730	—	22	22	33	33	64	181	245	120	10	10 200
3 or more	71	4	—	8	11	—	—	21	6	21	—	...

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table B-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
<b>Owner occupied housing units</b>	11 991	11 749	5 340	5 002	1 179	228	242	195	43	4	-
<b>PERSONS</b>											
1 person	1 432	1 308	1 308	-	-	-	124	119	5	-	-
2 persons	3 153	3 063	2 978	80	-	5	90	69	21	-	-
3 persons	1 721	1 705	880	825	-	-	16	7	9	-	-
4 persons	1 732	1 729	113	1 610	-	6	3	-	3	-	-
5 persons	1 466	1 466	61	1 346	54	5	-	-	-	-	-
6 persons or more	2 487	2 478	-	1 141	1 125	212	9	-	5	4	-
Median	3.3	3.4	2.0	4.5	7.0	7.5+	1.5	1.3	...	...	-
Units with roomers, boarders, or lodgers	223	220	72	118	24	6	3	3	-	-	-
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	187	187	47	121	19	-	-	-	-	-	-
1965 to 1968	931	931	239	604	81	7	-	-	-	-	-
1960 to 1964	1 579	1 579	499	861	205	14	-	-	-	-	-
1950 to 1959	2 255	2 248	805	1 020	326	97	7	-	-	7	-
1940 to 1949	901	895	524	276	82	13	6	6	-	-	-
1939 or earlier	6 138	5 897	3 240	2 130	454	73	241	188	53	-	-
<b>INCOME IN 1969</b>											
Less than \$2,000	963	882	793	78	11	-	81	71	10	-	-
\$2,000 to \$2,999	635	558	498	50	10	-	77	66	11	-	-
\$3,000 to \$3,999	507	491	439	43	9	-	16	16	-	-	-
\$4,000 to \$4,999	434	412	339	67	6	-	22	17	5	-	-
\$5,000 to \$5,999	374	359	307	35	17	-	15	10	5	-	-
\$6,000 to \$6,999	383	379	216	106	42	15	4	-	4	-	-
\$7,000 to \$9,999	2 289	2 279	793	1 211	219	56	10	10	-	-	-
\$10,000 to \$14,999	3 905	3 892	1 117	2 091	572	112	13	5	8	-	-
\$15,000 to \$24,999	1 994	1 990	615	1 083	256	36	4	-	-	4	-
\$25,000 or more	507	507	223	238	37	9	-	-	-	-	-
Median	\$10 500	\$10 700	\$7 300	\$12 200	\$12 400	\$11 900	\$2 500	\$2 400	...	...	-
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup>	10 519	10 373	4 555	4 542	1 076	200	146	118	24	4	-
Less than 1.5	3 477	3 449	1 141	1 739	475	94	28	10	14	4	-
1.5 to 1.9	2 287	2 271	713	1 253	254	51	16	16	-	-	-
2.0 to 2.4	1 584	1 572	585	743	210	34	12	12	-	-	-
2.5 to 2.9	847	842	374	390	62	16	5	-	5	-	-
3.0 to 3.9	701	677	392	238	42	5	24	19	5	-	-
4.0 or more	1 573	1 512	1 308	171	33	-	61	61	-	-	-
Not computed	50	50	42	8	-	-	-	-	-	-	-
<b>HEATING EQUIPMENT</b>											
Steam or hot water	1 478	1 446	709	576	136	25	32	27	5	-	-
Warm-air furnace	9 884	9 794	4 302	4 307	998	187	90	70	16	4	-
Built-in electric units	40	40	10	25	5	-	-	-	-	-	-
Floor, wall, or pipeless furnace	73	63	23	35	-	5	10	5	5	-	-
Other means	514	406	296	59	40	11	110	93	17	-	-
None	-	-	-	-	-	-	-	-	-	-	-
<b>Renter occupied housing units</b>	5 379	4 879	2 499	2 035	286	59	500	198	286	11	5
<b>PERSONS</b>											
1 person	1 822	1 479	1 393	86	-	-	343	148	195	-	-
2 persons	1 532	1 418	975	427	-	16	114	50	59	-	5
3 persons	876	861	125	705	31	-	15	-	10	-	-
4 persons	540	516	6	494	16	-	24	-	18	6	-
5 persons	258	254	-	194	55	-	4	-	4	-	-
6 persons or more	351	351	-	129	184	38	-	-	-	-	-
Median	2.1	2.2	1.4	3.2	6.2	...	1.2	1.2	1.2	...	...
Units with roomers, boarders, or lodgers	182	177	77	90	4	6	5	5	-	-	-
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	71	71	27	44	-	-	-	-	-	-	-
1965 to 1968	297	297	143	135	19	-	-	-	-	-	-
1960 to 1964	140	140	84	51	5	-	-	-	-	-	-
1950 to 1959	269	269	108	150	11	-	-	-	-	-	-
1940 to 1949	121	121	43	72	6	-	-	-	-	-	-
1939 or earlier	4 481	3 972	2 053	1 593	266	60	509	198	304	-	7
<b>INCOME IN 1969</b>											
Less than \$2,000	963	782	585	177	16	4	181	79	97	5	-
\$2,000 to \$2,999	487	390	267	110	7	6	97	45	52	-	-
\$3,000 to \$3,999	392	323	182	127	8	6	69	46	23	-	-
\$4,000 to \$4,999	373	345	213	112	15	5	28	11	12	-	5
\$5,000 to \$5,999	371	339	167	153	19	-	32	-	26	6	-
\$6,000 to \$6,999	420	385	210	139	36	-	35	12	23	-	-
\$7,000 to \$9,999	1 162	1 126	469	568	62	27	36	5	31	-	-
\$10,000 to \$14,999	905	883	299	468	105	11	22	-	22	-	-
\$15,000 to \$24,999	279	279	87	174	18	-	-	-	-	-	-
\$25,000 or more	27	27	20	7	-	-	-	-	-	-	-
Median	\$6 200	\$6 700	\$5 000	\$8 100	\$9 000	...	\$2 700	\$2 400	\$2 900	...	...
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup>	5 321	4 821	2 473	2 003	286	59	500	198	286	11	5
Less than 10 percent	550	498	174	261	45	18	52	5	47	-	-
10 to 14 percent	1 104	1 024	438	500	71	15	80	18	57	-	5
15 to 19 percent	929	866	417	365	79	5	63	18	39	6	-
20 to 24 percent	601	532	253	242	26	11	69	22	47	-	-
25 to 34 percent	592	521	277	221	23	6	71	31	40	-	-
35 percent or more	1 264	1 122	760	323	33	6	142	98	39	5	-
Not computed	281	258	154	91	9	4	23	6	17	-	-
<b>HEATING EQUIPMENT</b>											
Steam or hot water	1 506	1 337	739	528	54	16	169	23	141	5	-
Warm-air furnace	2 759	2 630	1 270	1 153	176	31	129	54	70	-	5
Built-in electric units	26	26	10	16	-	-	-	-	-	-	-
Floor, wall, or pipeless furnace	79	74	29	40	5	-	5	5	-	-	-
Other means	1 009	812	451	298	51	12	197	116	75	6	-
None	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table B-5. Rooms in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>11 991</b>	<b>21</b>	<b>16</b>	<b>194</b>	<b>1 405</b>	<b>4 366</b>	<b>3 291</b>	<b>1 510</b>	<b>1 188</b>	<b>5.5</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	11 680	6	6	139	1 331	4 335	3 222	1 471	1 170	5.5
<b>PERSONS</b>										
1 person	1 432	5	11	69	340	498	285	93	131	5.1
2 persons	3 153	5	5	96	710	1 223	745	185	164	5.1
3 persons	1 721	—	—	24	178	632	550	201	136	5.5
4 persons	1 732	6	—	—	86	784	470	273	113	5.5
5 persons	1 466	—	—	5	54	606	420	225	156	5.7
6 persons or more	2 487	5	—	—	37	623	801	533	488	6.2
Median	3.3	...	...	1.8	2.0	3.2	3.6	4.5	4.8	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>11 749</b>	<b>16</b>	<b>10</b>	<b>148</b>	<b>1 334</b>	<b>4 304</b>	<b>3 256</b>	<b>1 510</b>	<b>1 171</b>	<b>5.5</b>
0.50 or less	5 340	—	5	49	983	1 666	1 565	479	593	5.5
0.51 to 1.00	5 002	—	5	94	264	2 015	1 280	859	485	5.6
1.01 to 1.50	1 179	—	—	—	67	501	383	141	87	5.6
1.51 or more	228	16	—	5	20	122	28	31	6	5.1
<b>Lacking some or all plumbing facilities</b>	<b>242</b>	<b>5</b>	<b>6</b>	<b>46</b>	<b>71</b>	<b>62</b>	<b>35</b>	<b>—</b>	<b>17</b>	<b>4.4</b>
0.50 or less	195	—	6	20	67	55	35	—	12	4.6
0.51 to 1.00	43	5	—	26	—	7	—	—	5	...
1.01 to 1.50	4	—	—	—	4	—	—	—	—	...
1.51 or more	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>										
None and 1	648	38	15	197	307	68	21	—	22	3.8
2	2 900	—	—	—	1 122	1 385	290	36	67	4.7
3	6 437	—	—	—	124	2 730	2 669	840	274	5.7
4 or more	1 908	—	—	—	—	37	411	609	851	7.3
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	201	—	—	5	5	95	45	17	34	5.5
1960 to 1968	2 475	—	—	—	186	1 170	561	320	238	5.4
1950 to 1959	2 275	6	—	11	378	1 248	385	140	107	5.1
1949 or earlier	7 040	15	16	178	836	1 853	2 300	1 033	809	5.8
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	9 720	6	6	139	1 196	3 816	2 805	1 123	629	5.4
2 or more	1 960	—	—	—	135	519	417	348	541	6.3
None or also used by another household	311	7	8	57	83	78	54	8	16	4.5
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>10 519</b>	<b>16</b>	<b>—</b>	<b>96</b>	<b>1 014</b>	<b>3 931</b>	<b>2 951</b>	<b>1 412</b>	<b>1 099</b>	<b>5.6</b>
Less than 1.5	3 477	—	—	28	277	1 011	1 172	557	432	5.9
1.5 to 1.9	2 287	—	—	10	161	1 015	520	357	224	5.5
2.0 to 2.9	2 431	11	—	14	204	1 060	670	264	208	5.4
3.0 or more	2 274	5	—	44	357	840	569	234	225	5.4
Not computed	50	—	—	—	15	5	20	—	10	...
<b>Renter occupied housing units</b>	<b>5 379</b>	<b>302</b>	<b>417</b>	<b>1 154</b>	<b>1 658</b>	<b>1 070</b>	<b>572</b>	<b>120</b>	<b>86</b>	<b>4.0</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	4 719	69	311	1 113	1 470	984	585	128	59	4.1
<b>PERSONS</b>										
1 person	1 822	281	301	590	406	184	44	16	—	3.1
2 persons	1 532	21	80	406	591	308	85	21	20	3.9
3 persons	876	—	36	131	353	231	95	9	21	4.3
4 persons	540	—	—	22	217	174	108	13	6	4.7
5 persons	258	—	—	5	55	101	64	16	17	5.2
6 persons or more	351	—	—	—	36	72	176	45	22	5.9
Median	2.1	1.0	1.2	1.5	2.2	2.7	4.1	4.6	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>4 879</b>	<b>102</b>	<b>306</b>	<b>1 078</b>	<b>1 585</b>	<b>1 035</b>	<b>572</b>	<b>120</b>	<b>81</b>	<b>4.1</b>
0.50 or less	2 499	—	218	556	952	461	224	46	42	4.0
0.51 to 1.00	2 035	86	57	501	542	502	254	59	34	4.2
1.01 to 1.50	286	—	31	16	73	62	84	15	5	4.9
1.51 or more	59	16	—	5	18	10	10	—	—	...
<b>Lacking some or all plumbing facilities</b>	<b>500</b>	<b>200</b>	<b>111</b>	<b>76</b>	<b>73</b>	<b>35</b>	<b>—</b>	<b>—</b>	<b>5</b>	<b>2.0</b>
0.50 or less	198	—	83	34	45	31	—	—	5	3.0
0.51 to 1.00	286	195	23	36	28	4	—	—	—	1.2
1.01 to 1.50	11	—	5	6	—	—	—	—	—	...
1.51 or more	5	5	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>										
None	290	273	—	17	—	—	—	—	—	...
1	1 912	—	392	885	532	103	—	—	—	3.1
2	2 201	—	—	17	1 269	744	130	41	—	4.4
3 or more	952	—	—	—	23	272	449	36	172	5.9
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	71	—	—	10	43	13	5	—	—	...
1960 to 1968	439	19	59	65	208	67	10	6	5	3.9
1950 to 1959	257	—	18	57	71	95	11	—	5	4.3
1949 or earlier	4 612	283	340	1 022	1 336	895	546	114	76	4.0
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	4 624	85	311	1 120	1 462	962	521	119	44	4.0
2 or more	138	—	—	—	15	30	64	14	15	5.9
None or also used by another household	617	223	120	97	103	67	—	—	7	2.2
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>5 321</b>	<b>302</b>	<b>417</b>	<b>1 154</b>	<b>1 641</b>	<b>1 039</b>	<b>572</b>	<b>115</b>	<b>81</b>	<b>4.0</b>
Less than 10 percent	550	62	11	106	170	109	56	17	19	4.1
10 to 14 percent	1 104	52	57	235	365	243	121	18	13	4.1
15 to 19 percent	929	23	78	141	352	157	147	11	20	4.1
20 to 24 percent	601	57	40	117	159	119	87	10	12	4.0
25 to 34 percent	592	41	35	138	158	150	56	5	9	4.0
35 percent or more	1 264	51	158	364	375	214	73	25	4	3.7
Not computed	281	16	38	53	62	47	32	29	4	4.0

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.



Table B-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
<b>All occupied housing units</b> .....	11 991	10 701	1 241	49	5 379	1 007	1 641	1 281	833	254	353	10
<b>ROOMS</b>												
1 room .....	21	16	--	5	302	11	14	35	81	65	96	--
2 rooms .....	16	--	16	--	417	10	47	90	142	47	81	--
3 rooms .....	194	104	79	11	1 154	67	362	352	236	77	60	--
4 rooms .....	1 405	1 040	332	33	1 658	230	568	461	260	44	85	10
5 rooms .....	4 366	3 964	402	--	1 070	288	404	245	91	16	26	--
6 rooms .....	3 291	3 006	285	--	572	242	214	83	23	5	5	--
7 rooms .....	1 510	1 451	59	--	120	87	28	5	--	--	--	--
8 rooms or more .....	1 188	1 120	68	--	86	72	4	10	--	--	--	--
Median .....	5.5	5.6	5.0	...	4.0	5.1	4.2	3.9	3.3	2.7	2.5	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b> .....	11 749	10 545	1 160	44	4 879	987	1 564	1 180	651	205	282	10
0.50 or less .....	5 340	4 653	654	33	2 499	405	727	698	379	115	165	10
0.51 to 1.00 .....	5 002	4 599	392	11	2 035	458	710	412	258	90	107	--
1.01 to 1.50 .....	1 179	1 081	98	--	286	108	106	48	14	--	10	--
1.51 or more .....	228	212	16	--	59	16	21	22	--	--	--	--
<b>Lacking some or all plumbing facilities</b> .....	242	156	81	5	500	20	77	101	182	49	71	--
0.50 or less .....	195	128	67	--	198	11	50	59	67	11	--	--
0.51 to 1.00 .....	43	24	14	5	286	9	27	42	104	33	71	--
1.01 to 1.50 .....	4	4	--	--	11	--	--	--	11	--	--	--
1.51 or more .....	--	--	--	--	5	--	--	--	--	5	--	--
<b>BEDROOMS</b>												
None .....	38	38	--	--	290	--	--	40	103	85	62	--
1 .....	630	401	205	24	1 912	60	587	587	393	171	114	--
2 .....	2 900	2 479	401	20	2 201	507	848	490	233	25	98	--
3 .....	6 637	6 273	343	21	769	306	298	147	18	--	--	--
4 or more .....	1 908	1 794	114	--	183	168	--	--	15	--	--	--
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 .....	201	196	5	--	71	4	18	15	34	--	--	--
1965 to 1968 .....	914	886	18	10	294	23	16	35	83	--	137	--
1960 to 1964 .....	1 561	1 507	38	16	145	40	21	26	--	--	58	--
1950 to 1959 .....	2 275	2 228	29	18	257	127	57	16	29	--	18	10
1940 to 1949 .....	895	859	36	--	129	56	50	5	18	--	--	--
1939 or earlier .....	6 145	5 025	1 115	5	4 483	757	1 479	1 184	669	254	140	--
<b>INCOME IN 1969</b>												
Less than \$2,000 .....	963	809	148	6	963	62	233	305	238	60	65	--
\$2,000 to \$2,999 .....	635	477	147	11	487	71	137	123	82	34	35	5
\$3,000 to \$3,999 .....	507	414	93	--	392	38	120	106	84	34	10	--
\$4,000 to \$4,999 .....	434	385	49	--	373	62	138	102	25	28	18	--
\$5,000 to \$5,999 .....	374	312	55	7	371	77	85	84	76	30	19	--
\$6,000 to \$6,999 .....	383	348	35	--	420	79	141	96	44	27	33	--
\$7,000 to \$7,999 .....	2 289	2 047	231	11	1 162	276	440	240	111	10	80	5
\$10,000 to \$14,999 .....	3 905	3 590	306	9	905	258	271	189	105	15	67	--
\$15,000 to \$24,999 .....	1 994	1 832	157	5	279	84	76	36	56	11	16	--
\$25,000 or more .....	507	487	20	--	27	--	--	--	12	5	10	--
Median .....	\$10 500	\$10 800	\$8 200	...	\$6 200	\$8 200	\$6 800	\$5 100	\$4 500	\$4 000	\$6 900	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 .....	943	837	89	17	2 071	332	562	511	355	108	189	14
1968 .....	823	731	92	--	674	146	172	159	128	20	49	--
1967 .....	647	610	31	6	512	70	213	86	102	6	35	--
1965 and 1966 .....	1 341	1 245	79	17	557	111	206	135	64	35	6	--
1960 to 1964 .....	2 431	2 275	156	--	628	124	198	146	82	35	43	--
1950 to 1959 .....	3 004	2 671	326	7	559	133	148	163	51	42	22	--
1949 or earlier .....	2 802	2 300	502	--	378	84	130	78	56	--	30	--
<b>GROSS RENT</b>												
<b>Specified renter occupied!</b> .....	...	...	...	...	5 321	949	1 641	1 281	833	254	353	10
Less than \$50 .....	...	...	...	...	350	16	76	53	113	38	54	--
\$50 to \$59 .....	...	...	...	...	321	34	77	99	71	17	23	--
\$60 to \$69 .....	...	...	...	...	474	31	112	154	83	66	28	--
\$70 to \$79 .....	...	...	...	...	514	60	167	164	90	27	6	--
\$80 to \$89 .....	...	...	...	...	1 237	123	445	365	177	72	55	--
\$100 to \$119 .....	...	...	...	...	960	180	364	239	89	20	58	10
\$120 to \$149 .....	...	...	...	...	781	203	259	130	107	--	82	--
\$150 to \$199 .....	...	...	...	...	447	174	78	55	93	5	42	--
\$200 to \$299 .....	...	...	...	...	49	15	18	6	5	--	5	--
\$300 or more .....	...	...	...	...	--	--	--	--	--	--	--	--
No cash rent .....	...	...	...	...	188	113	45	16	5	9	--	--
Median .....	...	...	...	...	\$95	\$117	\$96	\$88	\$86	\$71	\$104	...
<b>HEATING EQUIPMENT</b>												
Steam or hot water .....	1 478	1 188	290	--	1 506	137	308	380	362	138	181	--
Warm-air furnace .....	9 884	9 034	828	22	2 759	716	1 007	557	279	69	121	10
Built-in electric units .....	40	36	--	4	26	--	6	15	5	--	--	--
Floor, wall, or pipeless furnace .....	73	48	25	--	79	33	10	16	15	--	5	--
Other means .....	516	395	98	23	1 009	121	310	313	172	47	46	--
None .....	--	--	--	--	--	--	--	--	--	--	--	--
<b>AIR CONDITIONING</b>												
Room unit(s) .....	3 206	2 741	436	29	1 185	239	302	270	183	43	134	14
Central system .....	1 218	1 183	35	--	210	15	25	32	53	7	78	--
None .....	7 567	6 745	804	18	3 984	746	1 302	976	602	196	162	--
<b>AUTOMOBILES AVAILABLE</b>												
1 .....	6 228	5 535	669	24	2 931	627	865	662	442	121	200	14
2 .....	3 850	3 560	278	12	730	213	229	153	95	22	18	--
3 or more .....	681	648	33	--	71	8	30	14	19	--	--	--
None .....	1 232	926	295	11	1 647	152	505	449	282	103	156	--

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table B-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

Dubuque	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b>	11 991	177	1 728	2 274	3 750	1 297	253	178	513	389	456	976
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	11 749	177	1 723	2 270	3 731	1 268	248	157	498	369	434	874
0.50 or less	5 340	82	227	246	1 588	1 050	115	143	291	290	434	874
0.51 to 1.00	5 002	95	1 189	1 391	1 741	207	119	14	176	70	--	--
1.01 to 1.50	1 179	--	273	519	327	11	14	--	31	4	--	--
1.51 or more	228	--	34	114	75	--	--	--	--	5	--	--
Lacking some or all plumbing facilities	242	--	5	4	19	29	5	21	15	20	22	102
0.50 or less	195	--	--	--	10	14	5	21	12	14	22	97
0.51 to 1.00	43	--	5	--	9	15	--	--	3	6	--	5
1.01 to 1.50	4	--	--	4	--	--	--	--	--	--	--	--
1.51 or more	--	--	--	--	--	--	--	--	--	--	--	--
<b>UNITS IN STRUCTURE</b>												
1	10 701	139	1 599	2 103	3 455	1 122	230	154	435	348	361	755
2 or more	1 241	34	122	171	286	175	18	24	78	41	88	204
Mobile home or trailer	49	4	7	--	9	--	5	--	--	--	7	17
<b>INCOME IN 1969</b>												
Less than \$2,000	963	9	15	18	30	126	13	19	44	62	98	529
\$2,000 to \$2,999	635	5	5	5	--	246	--	52	49	52	46	175
\$3,000 to \$3,999	507	--	--	9	18	197	--	13	30	76	53	111
\$4,000 to \$4,999	434	--	5	27	103	151	--	21	30	19	57	21
\$5,000 to \$5,999	374	4	11	14	114	74	5	5	47	32	30	38
\$6,000 to \$6,999	383	11	16	36	100	98	14	--	40	23	40	5
\$7,000 to \$9,999	2 289	68	493	493	783	120	43	29	89	55	67	49
\$10,000 to \$14,999	3 905	63	929	1 089	1 264	159	107	20	144	54	54	22
\$15,000 to \$24,999	1 994	17	233	480	1 045	66	61	19	40	16	11	6
\$25,000 or more	507	--	21	103	293	60	10	--	--	--	--	20
Median	\$10 500	\$9 600	\$11 700	\$12 500	\$12 900	\$4 500	\$12 400	\$4 200	\$7 600	\$4 200	\$4 500	\$2000--
<b>VALUE-INCOME RATIO</b>												
Specified owner occupied <sup>1</sup>	10 519	139	1 584	2 081	3 396	1 112	226	147	420	344	341	729
Less than 1.5	3 477	36	517	729	1 611	182	122	22	93	87	47	31
1.5 to 1.9	2 287	44	444	593	830	138	54	24	55	33	36	34
2.0 to 2.4	1 584	16	355	399	494	106	16	5	88	30	50	25
2.5 to 2.9	847	4	145	159	240	139	17	5	36	29	30	43
3.0 to 3.9	701	20	83	125	146	135	4	17	37	55	36	43
4.0 or more	1 573	19	38	76	75	406	5	74	111	110	122	537
Not computed	50	--	--	--	--	6	8	--	--	--	20	16
<b>Renter occupied housing units</b>	5 379	733	782	327	591	261	190	15	572	86	910	912
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	4 879	706	777	317	566	236	180	15	524	79	750	729
0.50 or less	2 499	210	161	47	249	162	71	10	134	62	687	706
0.51 to 1.00	2 035	474	523	184	260	65	99	5	322	17	63	23
1.01 to 1.50	286	16	93	69	47	4	10	--	47	--	--	--
1.51 or more	59	6	--	17	10	5	--	--	21	--	--	--
Lacking some or all plumbing facilities	500	27	5	10	25	25	10	--	48	7	160	102
0.50 or less	198	--	--	--	15	10	5	--	13	7	52	96
0.51 to 1.00	286	21	--	10	10	15	--	--	35	--	108	87
1.01 to 1.50	11	6	--	--	--	--	5	--	--	--	--	--
1.51 or more	5	--	5	--	--	--	--	--	--	--	--	--
<b>UNITS IN STRUCTURE</b>												
1	1 007	107	241	116	208	66	38	--	75	19	84	53
2 to 4	2 922	454	396	149	333	141	98	--	368	56	399	528
5 to 19	1 087	127	99	51	30	39	49	10	119	11	277	275
20 or more	353	40	46	11	20	15	5	--	10	--	150	56
Mobile home or trailer	10	5	--	--	--	--	--	5	--	--	--	--
<b>GROSS RENT</b>												
Specified renter occupied <sup>2</sup>	5 321	717	771	327	586	256	190	15	567	86	899	907
Less than \$50	350	4	10	--	16	10	--	--	19	--	136	155
\$50 to \$59	321	20	4	--	20	19	--	--	44	7	77	130
\$60 to \$69	474	25	27	12	34	20	10	5	30	17	135	159
\$70 to \$79	514	41	35	14	95	36	36	--	29	16	120	92
\$80 to \$99	1 237	253	116	65	81	70	40	--	177	25	116	194
\$100 to \$119	960	195	177	98	125	15	36	10	125	5	100	74
\$120 to \$149	781	138	190	63	111	38	33	--	105	11	47	45
\$150 to \$199	447	31	173	51	76	20	20	--	23	--	40	13
\$200 to \$299	49	4	15	4	--	5	6	--	9	--	--	6
\$300 or more	188	6	24	20	28	23	9	--	6	5	28	39
No cash rent	--	--	--	--	--	--	--	--	--	--	--	--
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
Specified renter occupied <sup>2</sup>	5 321	717	771	327	586	256	190	15	567	86	899	907
Less than \$5,000	2 191	159	65	14	91	159	41	5	327	32	509	789
Less than 20 percent	162	15	5	--	10	10	--	--	19	12	52	39
20 to 24 percent	206	22	--	--	10	20	--	--	10	--	92	52
25 to 34 percent	406	62	11	6	25	19	10	--	54	6	96	117
35 percent or more	1 236	54	49	8	41	90	26	5	216	9	201	537
Not computed	181	6	--	--	5	20	5	--	28	5	68	44
\$5,000 to \$9,999	1 947	382	377	119	231	75	115	5	194	39	312	98
Less than 20 percent	1 306	258	215	68	168	36	78	5	133	26	256	63
20 to 24 percent	363	98	88	28	24	21	22	--	28	13	32	9
25 to 34 percent	186	26	49	9	31	5	--	--	27	--	19	20
35 percent or more	28	--	6	--	--	11	--	--	--	--	--	6
Not computed	64	--	19	14	8	4	--	--	6	--	5	--
\$10,000 to \$14,999	893	154	259	133	174	6	34	5	31	9	68	20
Less than 20 percent	836	148	238	128	159	6	29	5	26	9	68	20
20 to 24 percent	32	6	16	5	--	--	--	--	5	--	--	--
25 percent or more	--	--	--	--	--	--	--	--	--	--	--	--
Not computed	25	--	5	--	15	--	5	--	--	--	--	--
\$15,000 or more	290	22	70	61	90	16	--	--	15	6	10	--
Less than 20 percent	279	22	70	55	85	14	--	--	15	6	10	--
20 to 24 percent	--	--	--	--	--	--	--	--	--	--	--	--
25 percent or more	--	--	--	--	--	--	--	--	--	--	--	--
Not computed	11	--	--	6	5	--	--	--	--	--	--	--

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table B—8. Persons in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b>	<b>11 991</b>	<b>1 432</b>	<b>3 153</b>	<b>1 721</b>	<b>1 732</b>	<b>1 466</b>	<b>1 081</b>	<b>691</b>	<b>715</b>	<b>3.3</b>
<b>BEDROOMS</b>										
None and 1	668	227	399	25	—	—	—	17	—	1.8
2	2 900	673	1 284	451	322	133	37	—	—	2.1
3	6 637	564	1 395	974	1 073	1 070	816	320	425	3.9
4 or more	1 908	216	204	70	268	284	211	298	357	5.2
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	201	—	24	44	44	39	35	10	5	4.2
1965 to 1968	914	4	131	157	176	198	146	48	54	4.4
1960 to 1964	1 561	87	244	285	303	281	163	125	73	4.0
1950 to 1959	2 275	170	560	334	469	249	214	118	161	3.7
1940 to 1949	895	128	331	94	127	92	51	42	30	2.5
1939 or earlier	6 145	1 043	1 863	807	613	607	472	348	392	2.7
<b>UNITS IN STRUCTURE</b>										
1	10 701	1 116	2 743	1 566	1 603	1 371	966	659	677	3.5
2 or more	1 241	292	396	151	122	95	115	32	38	2.3
Mobile home or trailer	49	24	14	4	7	—	—	—	—	...
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	9 720	1 111	2 722	1 481	1 380	1 219	807	531	469	3.2
2 and 2 1/2	1 764	116	286	241	309	232	247	150	183	4.3
3 or more	196	8	48	36	24	21	6	30	23	3.8
None or also used by another household	311	142	114	13	11	—	23	8	—	1.6
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b>	<b>10 559</b>	...	<b>3 153</b>	<b>1 721</b>	<b>1 732</b>	<b>1 466</b>	<b>1 081</b>	<b>691</b>	<b>715</b>	<b>3.7</b>
Male head, wife present, no nonrelatives	9 226	...	2 463	1 418	1 567	1 391	1 031	665	691	4.0
Under 25 years	1 177	...	42	78	38	19	—	—	—	3.1
25 to 34 years	1 728	...	112	194	544	429	277	83	89	4.5
35 to 44 years	2 274	...	106	186	349	501	425	322	385	5.5
45 to 64 years	3 750	...	1 160	788	604	428	313	246	211	3.4
65 years and over	1 297	...	1 043	172	14	14	16	14	6	2.1
Other male head	431	...	204	90	58	45	24	5	5	2.6
Under 65 years	253	...	78	51	54	36	24	5	5	3.5
65 years and over	178	...	126	39	4	9	—	—	—	2.2
Female head	902	...	486	213	107	30	26	21	19	2.4
Under 65 years	513	...	228	139	72	17	26	14	14	2.7
65 years and over	389	...	258	74	35	13	—	4	5	2.3
<b>One-person households</b>	<b>1 432</b>	<b>1 432</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>10 519</b>	<b>1 070</b>	<b>2 704</b>	<b>1 535</b>	<b>1 587</b>	<b>1 357</b>	<b>947</b>	<b>654</b>	<b>665</b>	<b>3.5</b>
Less than 1.5	3 477	78	668	623	549	528	373	305	353	4.2
1.5 to 1.9	2 287	70	511	359	436	357	226	173	155	4.0
2.0 to 2.4	1 584	75	375	228	292	262	177	76	99	3.9
2.5 to 2.9	847	73	236	128	177	101	49	54	29	3.4
3.0 to 3.9	701	79	263	93	84	55	74	34	19	2.6
4.0 or more	1 573	659	645	104	49	50	44	12	10	1.7
Not computed	50	36	6	—	—	4	4	—	—	...
<b>Renter occupied housing units</b>	<b>5 379</b>	<b>1 822</b>	<b>1 532</b>	<b>876</b>	<b>540</b>	<b>258</b>	<b>166</b>	<b>99</b>	<b>86</b>	<b>2.1</b>
<b>BEDROOMS</b>										
None	290	267	23	—	—	—	—	—	—	...
1	1 912	1 017	687	174	18	16	—	—	—	1.4
2	2 201	332	699	726	279	122	22	21	—	2.6
3 or more	952	20	126	149	222	137	114	112	72	4.3
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	71	6	30	13	22	—	—	—	—	...
1965 to 1968	294	91	123	46	18	11	5	—	—	2.0
1960 to 1964	145	48	50	21	11	5	4	6	—	2.0
1950 to 1959	257	43	107	22	51	23	11	—	—	2.3
1940 to 1949	129	14	50	40	11	10	—	—	4	2.5
1939 or earlier	4 483	1 620	1 172	734	427	209	146	93	82	2.0
<b>UNITS IN STRUCTURE</b>										
1	1 007	137	261	170	134	118	100	31	56	3.1
2	1 641	420	449	355	228	68	46	50	25	2.4
3 and 4	1 281	507	395	184	102	54	20	14	5	1.8
5 to 9	833	392	253	107	64	13	—	4	—	1.6
10 to 19	254	160	66	17	6	5	—	—	—	1.3
20 or more	353	206	98	43	6	—	—	—	—	1.4
Mobile home or trailer	10	—	10	—	—	—	—	—	—	...
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	4 624	1 415	1 385	793	494	242	141	83	71	2.1
2 or more	138	32	7	14	21	7	36	8	13	4.3
None or also used by another household	617	416	134	18	35	6	—	—	8	1.2
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b>	<b>3 557</b>	...	<b>1 532</b>	<b>876</b>	<b>540</b>	<b>258</b>	<b>166</b>	<b>99</b>	<b>86</b>	<b>2.8</b>
Male head, wife present, no nonrelatives	2 694	...	1 089	641	460	216	120	88	80	2.9
Under 25 years	733	...	332	255	116	18	6	—	6	2.6
25 to 34 years	782	...	186	210	184	140	43	16	5	3.5
35 to 44 years	327	...	47	49	82	25	43	42	39	4.3
45 to 64 years	591	...	290	113	78	25	30	30	25	2.5
65 years and over	261	...	234	14	—	8	—	—	5	2.1
Other male head	205	...	103	82	11	5	4	—	—	2.5
Under 65 years	190	...	88	82	11	5	4	—	—	2.6
65 years and over	15	...	15	—	—	—	—	—	—	...
Female head	658	...	340	153	69	37	42	11	6	2.5
Under 65 years	572	...	269	138	69	37	42	11	6	2.6
65 years and over	86	...	71	15	—	—	—	—	—	...
<b>One-person households</b>	<b>1 822</b>	<b>1 822</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>5 321</b>	<b>1 806</b>	<b>1 522</b>	<b>841</b>	<b>528</b>	<b>253</b>	<b>166</b>	<b>99</b>	<b>86</b>	<b>2.1</b>
Less than 10 percent	550	91	184	139	64	15	16	24	17	2.5
10 to 14 percent	1 104	233	371	217	122	76	42	16	27	2.4
15 to 19 percent	929	184	331	169	95	84	32	18	16	2.3
20 to 24 percent	601	185	161	120	64	39	15	6	11	2.2
25 to 34 percent	592	252	137	78	74	13	15	19	4	1.8
35 percent or more	1 264	744	259	105	96	11	33	10	6	1.3
Not computed	281	117	79	33	13	15	13	6	5	1.8

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B—9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Dubuque	Total	Less than 2 months	2 up to 6 months	6 months or more	Dubuque	Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b>	<b>75</b>	<b>22</b>	<b>30</b>	<b>23</b>	<b>Vacant for rent</b>	<b>313</b>	<b>176</b>	<b>83</b>	<b>54</b>
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	—	—	—	—	1 room	44	32	8	4
4 rooms	—	—	—	—	2 rooms	25	25	—	—
5 rooms	30	11	19	—	3 rooms	69	37	20	12
6 rooms	38	4	11	23	4 rooms	86	43	25	18
7 rooms or more	7	7	—	—	5 rooms	54	22	20	12
					6 rooms	23	13	6	4
					7 rooms or more	12	4	4	4
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities	69	22	30	17	With all plumbing facilities	242	127	75	40
Lacking some or all plumbing facilities	6	—	—	6	Lacking some or all plumbing facilities	71	49	8	14
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1	—	—	—	—	None	27	27	—	—
2	—	—	—	—	1	142	106	18	18
3	99	18	54	27	2	117	36	36	45
4 or more	18	18	—	—	3 or more	27	27	—	—
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970	30	14	16	—	1969 to March 1970	7	7	—	—
1960 to 1968	—	—	—	—	1960 to 1968	4	4	—	—
1950 to 1959	7	—	7	—	1950 to 1959	8	—	4	4
1949 or earlier	38	8	7	23	1949 or earlier	294	165	79	50
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1	67	22	30	15	1	33	13	20	—
2 or more	8	—	—	8	2 to 4	145	76	39	30
					5 to 9	96	68	16	12
					10 to 19	24	15	4	5
					20 or more	15	4	4	7
<b>HEATING EQUIPMENT</b>					<b>RENT ASKED</b>				
Steam or hot water	8	—	4	4	<b>Specified vacant for rent<sup>2</sup></b>	<b>313</b>	<b>176</b>	<b>83</b>	<b>54</b>
Warm-air furnace	67	22	26	19	Less than \$50	73	41	12	20
Built-in electric units	—	—	—	—	\$50 to \$59	52	21	16	15
Floor, wall, or pipeless furnace	—	—	—	—	\$60 to \$79	72	55	13	4
Other means	—	—	—	—	\$80 to \$99	60	21	28	11
None	—	—	—	—	\$100 to \$119	23	19	4	—
					\$120 to \$149	16	8	4	4
					\$150 to \$199	13	7	6	—
					\$200 or more	4	4	—	—
<b>SALES PRICE ASKED</b>					Median rent asked	\$69	\$69	...	...
<b>Specified vacant for sale<sup>1</sup></b>	<b>63</b>	<b>18</b>	<b>30</b>	<b>15</b>					
Less than \$5,000	—	—	—	—					
\$5,000 to \$9,999	15	—	—	15					
\$10,000 to \$14,999	11	4	7	—					
\$15,000 to \$19,999	—	—	—	—					
\$20,000 to \$24,999	19	4	15	—					
\$25,000 to \$34,999	15	7	8	—					
\$35,000 to \$49,999	3	3	—	—					
\$50,000 or more	—	—	—	—					
Median price asked	...	...	...	...					

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B—10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970**

[Data based on sample, see text. For meaning of symbols, see text]

Dubuque	Sales price asked—Vacant for sale <sup>1</sup>						Rent asked—Vacant for rent <sup>2</sup>							
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b>	<b>63</b>	<b>15</b>	<b>11</b>	<b>—</b>	<b>19</b>	<b>15</b>	<b>3</b>	<b>313</b>	<b>125</b>	<b>72</b>	<b>60</b>	<b>39</b>	<b>13</b>	<b>4</b>
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities	99	27	27	—	27	—	18	252	54	72	45	63	18	—
Lacking some or all plumbing facilities	—	—	—	—	—	—	—	61	27	34	—	—	—	—
<b>BEDROOMS</b>														
None and 1	—	—	—	—	—	—	—	169	81	88	—	—	—	—
2	—	—	—	—	—	—	—	117	—	18	45	36	18	—
3	81	27	27	—	27	—	—	27	—	—	—	27	—	—
4 or more	18	—	—	—	—	—	18	—	—	—	—	—	—	—
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970	30	—	—	—	12	15	3	7	—	—	—	4	3	—
1960 to 1968	—	—	—	—	—	—	—	4	—	—	4	—	—	—
1950 to 1959	7	—	—	—	7	—	—	8	—	—	4	4	—	—
1949 or earlier	26	15	11	—	—	—	—	294	125	72	52	31	10	4
<b>UNITS IN STRUCTURE</b>														
1	...	...	...	...	...	...	...	33	7	14	4	8	—	—
2 to 4	...	...	...	...	...	...	...	145	47	26	35	23	10	4
5 to 19	...	...	...	...	...	...	...	120	68	24	17	8	3	—
20 or more	...	...	...	...	...	...	...	15	3	8	4	—	—	—
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included	...	...	...	...	...	...	...	153	71	40	20	14	4	4
Some or no utilities included	...	...	...	...	...	...	...	160	54	32	40	25	9	—

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

## Appendix A.—AREA CLASSIFICATIONS

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### USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to 1790, each person enumerated in the 1970 census was counted as an inhabitant of his usual place of residence, which is generally construed to mean the place where he lives and sleeps most of the time. This place is not necessarily the same as his legal residence, voting residence, or domicile. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics although there may be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishing of residence rules for certain categories of persons whose usual place of residence is not immediately clear. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be found by the census enumerators. Persons without a usual place of residence were, however, counted where they were enumerated. Detailed information on residence rules is given in the 1970 Population Census PC(1)-A reports.

### COUNTIES

The primary divisions of the States are, in general, termed counties, but in Louisiana these divisions are known as parishes. There are no counties in Alaska; in this State, statistical areas called census divisions were developed

for general statistical purposes through the cooperation of the State and the Census Bureau and are treated as county equivalents. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities which are independent of any county organization and thus constitute primary divisions of their States.

### PLACES

Two types of places are recognized in the census reports, incorporated places and unincorporated places. Incorporated places are political units incorporated as cities, boroughs, towns, and villages except for (a) boroughs in Alaska and (b) towns in the New England States, New York, and Wisconsin. Unincorporated places are closely settled population centers without corporate limits for which the Census Bureau has delineated boundaries. Each place so delineated possesses a definite nucleus of residences and has its boundaries drawn to include, if feasible, all the surrounding closely settled area. Unincorporated places are identified with the letter "U."

### STANDARD METROPOLITAN STATISTICAL AREAS

The Bureau of the Census recognizes 243 standard metropolitan statistical areas (SMSA's) in the United States and 4 in Puerto Rico, making a total of 247 in the 1970 census. These include the 231 SMSA's as defined and named in the Bureau of the Budget publication, **Standard Metropolitan Statistical Areas: 1967**, U.S. Government Printing Office, Washington, D.C. 20402. Since 1967, 16 SMSA's have been added, of which two were defined in January 1968 and an additional 14 were defined in February

1971 on the basis of the results of the 1970 census. Changes in SMSA boundaries or titles made after February 1971 are not recognized in this series of reports. SMSA's are defined by the Office of Management and Budget (formerly Bureau of the Budget).

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

The figures for central cities shown in this report may differ from those shown in the Housing Census HC(1)-A and HC(1)-B reports. In those reports, if a central city of an SMSA is an extended city (so designated because it has extended its boundaries to include territory essentially rural in character), the figures shown for the central city were restricted to the urban portion of the city. In addition, parts of central cities outside the SMSA boundaries were excluded from the central city tabulations. In this report, however, figures for central cities refer to the entire population and housing within the legal city boundaries, including any rural parts of the city or parts outside the SMSA.

## Appendix B.—DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

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### GENERAL

**Self-enumeration and census questionnaire.**—As stated in the introductory text of this report, the 1970 census was conducted primarily through self-enumeration. Furthermore, census takers were instructed to read the questions directly from the questionnaire in their telephone and personal visit interviews. The questionnaire pages containing the housing questions asked on a 100-percent basis and the additional questions asked on a sample basis, as well as the page of the respondent instruction sheet which relates to these questions, are reproduced on pages App-10 to App-13. The definitions and explanations given below for each subject are, to a considerable extent, drawn from various technical and procedural materials used in the collection of the data. This material helped the enumerative personnel to understand more fully the intent of each question and thus to resolve problem or unusual cases. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

### Comparability with 1960 data.—

Although the 1970 data are generally comparable with the data collected in 1960, certain changes have been introduced. The 1960 inquiry regarding owner occupancy has been subdivided to show a separate category for cooperatives and condominiums in 1970. The 1960 question on cooking equipment was broadened in 1970 to cover "complete kitchen facilities"; i.e., an installed sink with piped water, a range or cookstove, and a mechanical refrigerator. On the other hand, the 1960 question on condition of housing unit (i.e., sound, deteriorating, or dilapidated) was eliminated because of serious problems with response reliability.

Items which were added to the 1970 questionnaire are dishwasher and owned second home. The 1960 inquiry on television has been subdivided to provide separate information on television sets which can receive UHF broadcasts. The 1970 inquiry on radios is limited to battery-operated sets including car radios, whereas the 1960 inquiry covered radio sets of all kinds located in the unit. Data on television sets and radios are not given in this report; statistics on these appliances, however, are presented in the 1970 Housing Census, HC(1)-B reports.

There have also been changes in the scope of some of the tabulations. The tabulations on value and contract rent refer to slightly different sets of housing units in 1970 than in 1960. Summarized generally, the difference is that the 1970 data exclude units on places of 10 acres or more whereas the 1960 data exclude units on farms; more specific information can be obtained by comparing the value and rent definitions in the present report with those in 1960 Housing Census Volume I.

Data on elevator in structure were collected for all geographic areas in 1970. In 1960, statistics on elevator in structure were collected only for large places; that is, places which had a population of 50,000 or more in 1950 or in an interim census.

Separate data on a number of subjects are presented for occupied units with Negro head of household. In 1960, this type of tabulation related to the total of all household heads other than white; Negro household heads constituted 95 percent of this total in 1960 for the Nation as a whole, but this proportion varied widely among areas.

Separate data are also shown in this report for housing units occupied by heads of Spanish heritage, that is, household heads of Spanish language or Spanish surname in five Southwestern States (Arizona, California, Colorado, New Mexico, and Texas), heads of Puerto Rican birth or parentage in New York, New Jersey, and Pennsylvania, and heads of Spanish language in all other States. In 1960, household heads of Spanish surname were identified in the five Southwestern States and Puerto Rican heads of households were identified in all other States. More information on the 1970 definition is given in this report and in the 1970 Population Census Series PC(1)-C reports; the 1960 definition is more fully explained in the 1960 Census of Housing Volume I reports.

#### 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, etc.). Living quarters may also be in structures intended for nonresidential use (e.g., the rooms in a warehouse where a watchman lives), as well as in tents, caves, old railroad cars, etc.

**Housing units.**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have either (1) direct access from the outside of the building or through a common hall or (2) complete kitchen facilities for the exclusive use of the occupants. 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 section on group quarters). For vacant units, the criteria of separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants, whenever possible. If the information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing inventory, except that mobile homes, trailers, tents, caves, boats, railroad cars, and the like, are included only if they are occupied.

**Group quarters.**—Group quarters are living arrangements for institutional inmates or for other groups containing five or more persons not related to the person in charge. Group quarters are located most frequently in institutions, boarding houses, military barracks, college dormitories, fraternity and sorority houses, hospitals, mona-

steries, convents, and ships. A house or apartment is considered group quarters if it is shared by the person in charge and five or more persons unrelated to him, or if there is no person in charge, by six or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

**Rules for mobile homes, hotels, rooming houses, etc.**—Mobile homes or trailers, tents, boats, or railroad cars are not enumerated if vacant, used only for business, or used only for vacations.

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places 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 either direct access or complete kitchen facilities for exclusive use, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain four or fewer roomers unrelated to the head, they are classified as one housing unit; if the combined quarters contain five or more roomers unrelated to the head or person in charge, they are classified as group quarters. In a dormitory, residence hall, or similar place, living quarters of the supervisory staff and other employees are separate housing units if they satisfy the housing unit

criteria; other living quarters are considered group quarters.

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

#### OCCUPANCY AND VACANCY CHARACTERISTICS

**Occupied housing units.**—A housing unit is classified as occupied if a person or group of persons is living in it at the time of enumeration or if the occupants are only temporarily absent—for example, on vacation. However, if the persons staying in the unit have their usual place of residence elsewhere, the unit is classified as vacant.

A household consists of all the persons who occupy a housing unit. By definition, therefore, the count of occupied housing units is the same as the count of households in the 1970 Census of Population reports. In some cases, however, there may be small differences in the counts resulting from processing procedures.

**Race.**—The classification by race shown here refers to the race of the head of the household occupying the housing unit. Detailed characteristics of units with Negro head of household are presented in separate tables for SMSA's, cities or places having a Negro population of 25,000 or more. The concept of race as used by the Census Bureau does not denote clear-cut scientific definitions of biological stock. The data represent essentially self-classification by people according to the race with which they identify themselves.

**Spanish heritage.**—The inquiries in the 1970 census permit the identification of housing units occupied by heads of Spanish heritage by various means: birthplace, birthplace of parents, language, and surname. The specific types of identification are given below. A more detailed explanation is given in the 1970 Population Census PC(1)-C reports.

**Puerto Rican birth or parentage.**—Household heads of Puerto Rican birth or parentage are identified in the three Middle Atlantic States: New York, New Jersey, and Pennsylvania.

**Spanish language or Spanish surname.**—In five Southwestern States—Arizona, California, Colorado, New Mexico, and Texas—household heads of Spanish language or Spanish surname are identified. (A household head is classified as of Spanish language if the head or his wife reported Spanish as his or her mother tongue, i.e., the language spoken at home when the person was a child.)

**Spanish language.**—In all other States and the District of Columbia, household heads of Spanish language (as defined above) are identified.

Detailed characteristics of units with heads of Spanish heritage are presented in separate tables for SMSA's, cities or places having a population of 25,000 or more for the particular Spanish-heritage group.

**Tenure.**—(See facsimiles of questionnaire item H9 and instructions on pages App-10 and App-13.) A housing unit is "owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. A

cooperative or condominium unit is "owner occupied" only if the owner or co-owner lives in it. All other occupied units are classified as "renter occupied," including units rented for cash rent and those occupied without payment of cash rent.

**Year moved into unit.**—Data on year moved into unit are based on the information reported for the head of the household. The question refers to the year of latest move. Thus, if the head moved back into a unit he had previously occupied, the year of his latest move was to be reported; if he moved from one apartment to another in the same building, the year he moved into his present unit was to be reported. The intent is to establish the year the present occupancy by the head began. The year the head moves is not necessarily the same year other members of the household move, although in the great majority of cases the entire household moves at the same time.

**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. In addition, a vacant unit may be one which is occupied entirely by persons who have a usual residence elsewhere.

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 unfit for human habitation; that is, if the roof, walls, windows, 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.**—(See facsimile of questionnaire item C on page App-10.) Vacant housing units are classified as either "seasonal and migratory" or "year-round." "Seasonal" units are intended for occupancy during only certain seasons of the year. Included are units intended for recreational use, such as beach cottages and hunting cabins, and vacant units held for herders and loggers. "Migratory" units are vacant units held for occupancy by migratory labor employed in farm work during the crop season. "Year-round" vacant housing units are available or intended for occupancy at any time of the year. A unit in a resort area which is usually occupied on a year-round basis is considered year-round. A unit used only occasionally throughout the year is also considered year-round.

This report presents statistics for "year-round" vacant units on the market for sale or for rent. Excluded are "seasonal and migratory" vacant units, as well as "year-round" vacant units sold or rented but not yet occupied by the new owner or renter, units held for the occasional use of the owner, and units held off the market for other reasons.

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

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

**Duration of vacancy.**—(See facsimile of questionnaire item D on page App-10.) 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. 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.

#### UTILIZATION CHARACTERISTICS

**Persons.**—All persons occupying the housing unit are counted. These persons include not only occupants related to the head of the household but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the household head. The data on "persons" show the number of housing units occupied by the specified number of persons.

Units with one or more roomers, boarders, or lodgers are shown as a separate category. Not included as "roomers, boarders, or lodgers" are servants who live in, companions, partners, etc.

**Rooms.**—(See facsimiles of questionnaire item H4 and instructions on pages App-10 and App-13.) The statistics on "rooms" are in terms of the number of housing units with specified number of rooms. The intent of this question was to count the number of whole rooms used for living purposes. As stated on the questionnaire and instruction sheet, bathrooms, foyers,

utility rooms, unfinished attics or basements, etc., are not included in the count of rooms.

**Persons per room.**—"Persons per room" is computed for each occupied unit by dividing the number of persons in the unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of housing units having the specified ratio of persons per room.

**Bedrooms.**—(See facsimile of questionnaire item H26 on page App-12.) 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 hideaway bed, are not considered bedrooms. A housing unit consisting of only one room, such as one-room efficiency apartment, is classified, by definition, as having no bedroom.

#### STRUCTURAL AND PLUMBING CHARACTERISTICS

**Direct access.**—(See facsimiles of questionnaire item H2 and instructions on pages App-10 and App-13.) A housing unit is regarded as having direct access if there is (1) a direct entrance from the outdoors, or (2) an entrance from a hall, lobby, or vestibule which is usually used by the occupants of more than one unit or by the general public.

**Complete kitchen facilities.**—(See facsimiles of questionnaire item H3 and instructions on pages App-10 and App-13.) A unit has complete kitchen facilities when it has all three of the

following: (1) an installed sink with piped water, (2) a range or cookstove, and (3) a mechanical refrigerator.

All kitchen facilities must be located in the structure. They need not be in the same room. Quarters with only portable cooking equipment are not considered as having a range or cookstove. An icebox is not included as a mechanical refrigerator.

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

**Year structure built.**—(See facsimile of questionnaire item H15 on page App-11.) Year structure built refers to when the building was first constructed, not when it was remodeled, added to, or converted. The figures relate to the number of units in structures built during the specified periods and in existence at the time of enumeration.

**Units in structure.**—(See facsimiles of questionnaire item H16 and instructions on pages App-11 and App-13.) In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented in terms of the number of housing units in structures of specified type and size, not in terms of the number of residential structures.

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. Structures containing

only one housing unit are further classified as detached or attached (as explained on the questionnaire and instruction sheet).

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

The data on units in structure shown in this report may differ from the comparable figures in the HC(1)-A report. The answers to item H16 on the sample questionnaire made it possible in the HC(2) tabulations to correctly classify as mobile homes or trailers those which were incorrectly classified as one-family houses or as housing units in multiunit structures in the HC(1)-A tabulations.

**Elevator in structure.**—(See facsimiles of questionnaire item H24 and instructions on pages App-12 and App-13.) Statistics on elevator in structure are presented in terms of the number of housing units in structures with four stories or more which have a passenger elevator. Units are in a "walk-up" structure of four stories or more if the structure has no passenger elevator or if the only elevator service is for freight.

**Plumbing facilities.**—(See facsimiles of questionnaire items H5, H6, and H7 and instructions on pages App-10 and App-13.) The category "with all plumbing facilities" consists of units which have hot and cold piped water inside the structure as well as a flush toilet and a bathtub or shower inside the structure for the exclusive use of the occupants of the unit. "Lacking some or all plumbing facilities" means that the unit does not have all three

specified plumbing facilities (hot and cold piped water, as well as flush toilet and bathtub or shower inside the structure), or that the toilet or bathing facilities are also for the use of the occupants of other housing units.

**Complete bathrooms.**—(See facsimile of questionnaire item H21 on page App-11.) A housing unit is classified as having a complete bathroom if it has a room with a flush toilet and bathtub or shower for the exclusive use of the occupants of the unit and a wash basin, as well as piped hot water in the structure. (Although the instructions on the questionnaire do not specify that a complete bathroom must have hot water, this requirement was applied during the processing of the data in an edit combining the items on complete bathrooms and piped water in structure.) A half bathroom has either a flush toilet or a bathtub or shower for exclusive use, but does not have all the facilities for a complete bathroom.

The category "none or also used by another household" consists of units with no bathroom facilities, units with only a half bathroom, and units with bathroom facilities which are also for the use of the occupants of other housing units.

#### EQUIPMENT, FUELS, AND APPLIANCES

**Heating equipment.**—(See facsimiles of questionnaire item H14 and instructions on pages App-11 and App-13.) "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Warm-air furnace" refers to a central system which provides warm air through ducts leading to various rooms; central heat pumps are

included in this category. "Built-in electric units" are permanently installed in floors, walls, or ceilings. A "floor, wall, or pipeless furnace" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. "Other means" includes room heaters with or without flue, fireplaces, stoves, and portable heaters of all types.

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

**Air conditioning.**—(See facsimiles of questionnaire item H22 and instructions on pages App-11 and App-13.) Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers which are not connected to a refrigeration unit. A central system is a central installation which air-conditions the entire housing unit. In an apartment building, a central system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system. 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.

**Automobiles available.**—(See facsimiles of questionnaire item H23 and instructions on pages App-11 and App-13.) Statistics on automobiles available represent the number of passenger automobiles, including station wagons, which are owned or regularly used by any member of the household and

which are ordinarily kept at home. Taxicabs, pickups, or larger trucks were not to be counted. The figures include leased automobiles and company-owned automobiles kept at home. The statistics, therefore, do not reflect the number of automobiles privately owned or the number of households owning automobiles.

**Appliances.**—(See facsimiles of questionnaire items H27 and instructions on pages App-12 and App-13.)

**Automatic clothes washing machine.**—This category describes a machine that washes, rinses, and damp dries in the same tub; washer-dryer combinations are included in this group.

**Clothes dryer.**—A clothes dryer is a mechanical appliance in which clothes are dried by heated air. A unit with a washer-dryer combination is classified as having a clothes dryer (as well as an automatic clothes washing machine.)

**Dishwasher.**—This category includes both built-in and portable dishwashers.

**Home food freezer.**—A home food freezer is an appliance, separate from the refrigerator, designed for freezing food and for storing frozen food.

**Owned second home.**—(See facsimiles of questionnaire item H30 and instructions on pages App-12 and App-13.) A second home may be a single-family house, vacation cottage, hunting cabin, ski lodge, etc., which is owned and held for use sometime during the year by the owner or members of his household. Second homes may also be owned in partnership with members of a different household. The figures include second homes which are some-

times rented or leased on a short-term basis to other persons but are principally held for the owner's occasional use during the year.

The statistics refer to the number of households that own (one or more) second homes. The data, therefore, do not reflect the number of owned second homes.

#### FINANCIAL CHARACTERISTICS

**Value.**—(See facsimiles of questionnaire item H11 and instructions on pages App-10 and App-13.) Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. The statistics on value are shown only for one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The value tabulations also exclude mobile homes and trailers and units in cooperatives and condominiums.

As stated in the section on "units in structure," certain mobile homes and trailers were incorrectly classified as one-family houses in the HC(1)-A tabulations. In the HC(2) reports, the number of specified owner-occupied (one-family) units and the value tabulations correctly exclude the misclassified mobile homes and trailers; these tend to be at the lower end of the value distribution. As a result, the data on value shown in this report may differ from the comparable statistics in the HC(1)-A report.

**Sales price asked.**—For vacant units, the sales price is the amount asked for the property at the time of enumeration. The statistics on sales price are shown only for vacant for sale one-family houses on less than 10 acres without a commercial establishment or medical office on the property.

**Gross rent.**—(See facsimiles of questionnaire items H12 and H13 and instructions on pages App-10, 11, and 13.) The computed rent termed "gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, water) and fuels (oil, coal, kerosene, wood, etc.), if these items are paid for by the renter (or paid for him by someone else, such as a relative, welfare agency, or friend) in addition to rent. Contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included. Thus, gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuel as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but they are converted to monthly figures in the computation process.

The statistics on rent exclude one-family houses on ten acres or more. Renter units occupied without payment of cash rent are shown separately as "no cash rent" in the rent tabulations.

**Rent asked.**—For vacant units, the rent is the amount asked for the unit at the time of enumeration. The data are for vacant year-round units for rent, excluding one-family houses on ten acres or more. In table 10, data are provided for two kinds of vacant-for-rent units—those for which the rent includes payment for all utilities and fuel, and those for which the rent includes only some or none of the utilities and fuel. See section on "Gross rent" above for discussion of utilities and fuel.

**Value-income ratio.**—The value-income ratio is computed by dividing the value

of the housing unit by the total income in 1969 of the family or primary individual. The ratio is presented for the same owner-occupied units for which value was tabulated; thus, the statistics on value-income ratio reflect the exclusion of certain owner-occupied units. The ratio was computed separately for each unit and was rounded to the nearest tenth. In reporting value, respondents were asked to select an appropriate class interval. The midpoints of the value intervals were used in the computation of the value-income ratio, except that a mean of \$3,500 was assigned for values less than \$5,000 and a mean of \$60,000 was assigned for values of \$50,000 or more. For income, the dollar amounts were used. Units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

**Gross rent as percentage of income.**—

The yearly gross rent (monthly gross rent multiplied by 12) is expressed as a percentage of the total income in 1969 of the family or primary individual. The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics on gross rent as percentage of income reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. For gross rent, the dollar amounts were used in the computation except that \$999 was assigned for monthly rentals of \$1,000 or more. For income, the dollar amounts were used. Units for which no cash rent is paid and units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

**HOUSEHOLD CHARACTERISTICS**

**Head of household.**—One person in each household is designated as the "head," that is, the person who is regarded as the head by the members of the household. However, if a married woman living with her husband is reported as the head, her husband was considered the head for the purpose of simplifying the tabulations.

**Household composition.**—Statistics by age of head are presented separately for two-or-more person households and for one-person households. Households having two or more persons are further subdivided as follows:

**Male head, wife present, no non-relatives.**—Each household in this group consists of the head and his wife, and other persons, if any, all of whom are related to him.

**Other male head.**—This category includes households with male head, wife present, with non-relatives living with them; male heads who are married, but with wife absent because of separation or other reason where husband and wife maintain separate residences; and male heads who are widowed, divorced, or single.

**Female head.**—This group comprises households with female heads regardless of their marital status. Included are female heads with no spouse and female heads whose husbands are living away from their families, as for example, husbands in the Armed Forces living on military installations.

Households consisting of only one person are shown separately as "one-person households" and are not included in the subcategories "other male head" and "female head."

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

**Family or primary individual.**—Housing units are occupied by either “families” or “primary individuals.” The term “family” refers to the head of a household and all (one or more) other persons living in the same household who are related to the head by blood, marriage, or adoption. If the head lives alone or with nonrelatives only, then the head is considered a “primary individual.”

Married couples related to the head of a family are included in the family and are not considered as separate families. A lodger, servant, or other person unrelated to the head is considered a member of the household but not of the family.

In the statistics on household composition, families are always included in one of the three major groups of two-or-more person households. Primary individuals with nonrelatives living with them are tabulated as “other male head” or “female head.” Primary individuals living alone are always tabulated as “one-person households.”

**Income in 1969.**—Income is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare 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, health insurance premiums, Medicare deductions, etc.

In this report, the statistics relate 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. Incomes of persons living in the unit but not related to the head of the household are not included in this sum. Although the income statistics cover the calendar year 1969, the characteristics of the household refer to the time of enumeration (April 1970). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1969 if these persons no longer resided with the family at the time of the census. On the other hand, family income includes amounts reported by related persons who did not reside with the family during 1969 but who were members of the family at the time of enumeration. For most families, however, the income reported was received by persons who were members of the family throughout 1969.

Wage or salary income is defined as the total money earnings received for work performed as an employee at any time during the calendar year 1969. It includes wages, salary, pay from Armed Forces, commissions, tips, piece rate payments, and cash bonuses earned. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, farm, professional enterprise, or partnership in which the person was engaged on his own account.

Social Security or railroad retirement income includes cash receipts of Social Security pensions, survivors' benefits, permanent disability insurance payments, and special benefit payments made by the Social Security Administration. Cash receipt of retire-

ment, disability, and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Public assistance income includes cash receipts of payments made under the following public assistance programs: Aid to families with dependent children, old age assistance, general assistance, aid to the blind, and aid to the permanently and totally disabled. Separate payments received for hospital or other medical care are not included.

Income from all other sources includes money income received from sources such as interest; dividends; net income (or loss) from property rentals; net receipts from roomers or boarders; veteran's payments; public or private pensions; periodic receipts from insurance policies or annuities; unemployment insurance benefits; workmen's compensation cash benefits; net royalties; periodic payments from estates and trust funds; alimony or child support from persons who are not members of the household; net gambling gains; nonservice scholarships and fellowships; and money received for transportation and/or subsistence by persons participating in special governmental training programs, e.g., under the Manpower Development and Training Act.

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” such as food produced and consumed in the home or free living quarters; 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. (A more detailed discussion of income is given in the 1970 Population Census, PC(1)-C reports.)

APPENDIX B—Continued

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES  
(Questions on this page appeared on both the 15-percent and 5-percent questionnaires)

<p><b>A.</b> How many living quarters, occupied and vacant, are at this address?</p> <p><input type="radio"/> One</p> <p><input type="radio"/> 2 apartments or living quarters</p> <p><input type="radio"/> 3 apartments or living quarters</p> <p><input type="radio"/> 4 apartments or living quarters</p> <p><input type="radio"/> 5 apartments or living quarters</p> <p><input type="radio"/> 6 apartments or living quarters</p> <p><input type="radio"/> 7 apartments or living quarters</p> <p><input type="radio"/> 8 apartments or living quarters</p> <p><input type="radio"/> 9 apartments or living quarters</p> <p><input type="radio"/> 10 or more apartments or living quarters</p> <p><input type="radio"/> This is a mobile home or trailer</p> <p>• ■ •</p> <p><i>Answer these questions for your living quarters</i></p> <p><b>H1.</b> Is there a telephone on which people in your living quarters can be called?</p> <p><input type="radio"/> Yes — What is the number? -----</p> <p style="text-align: right;"><i>Phone number</i></p> <p><b>H2.</b> Do you enter your living quarters—</p> <p><input type="radio"/> Directly from the outside or through a common or public hall?</p> <p><input type="radio"/> Through someone else's living quarters?</p> <p><b>H3.</b> Do you have complete kitchen facilities?</p> <p><i>Complete kitchen facilities are a sink with piped water, a range or cook stove, and a refrigerator.</i></p> <p><input type="radio"/> Yes, for this household only</p> <p><input type="radio"/> Yes, but also used by another household</p> <p><input type="radio"/> No complete kitchen facilities for this household</p> <p><b>H4.</b> How many rooms do you have in your living quarters?</p> <p><i>Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.</i></p> <p><input type="radio"/> 1 room                      <input type="radio"/> 6 rooms</p> <p><input type="radio"/> 2 rooms                      <input type="radio"/> 7 rooms</p> <p><input type="radio"/> 3 rooms                      <input type="radio"/> 8 rooms</p> <p><input type="radio"/> 4 rooms                      <input type="radio"/> 9 rooms or more</p> <p><input type="radio"/> 5 rooms</p> <p><b>H5.</b> Is there hot and cold piped water in this building?</p> <p><input type="radio"/> Yes, hot and cold piped water in this building</p> <p><input type="radio"/> No, only cold piped water in this building</p> <p><input type="radio"/> No piped water in this building</p> <p><b>H6.</b> Do you have a flush toilet?</p> <p><input type="radio"/> Yes, for this household only</p> <p><input type="radio"/> Yes, but also used by another household</p> <p><input type="radio"/> No flush toilet</p> <p>■</p> <p><b>H7.</b> Do you have a bathtub or shower?</p> <p><input type="radio"/> Yes, for this household only</p> <p><input type="radio"/> Yes, but also used by another household</p> <p><input type="radio"/> No bathtub or shower</p> <p><b>H8.</b> Is there a basement in this building?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No, built on a concrete slab</p> <p><input type="radio"/> No, built in another way (include mobile homes and trailers)</p>	<p><b>H9.</b> Are your living quarters—</p> <p><input type="radio"/> Owned or being bought by you or by someone else in this household? <i>Do not include cooperatives and condominiums here.</i></p> <p><input type="radio"/> A cooperative or condominium which is owned or being bought by you or by someone else in this household?</p> <p><input type="radio"/> Rented for cash rent?</p> <p><input type="radio"/> Occupied without payment of cash rent?</p> <p><b>H10a.</b> Is this building a one-family house?</p> <p><input type="radio"/> Yes, a one-family house</p> <p><input type="radio"/> No, a building for 2 or more families or a mobile home or trailer</p> <p><b>b.</b> If "Yes"— Is this house on a place of 10 acres or more, or is any part of this property used as a commercial establishment or medical office?</p> <p><input type="radio"/> Yes, 10 acres or more</p> <p><input type="radio"/> Yes, commercial establishment or medical office</p> <p><input type="radio"/> No, none of the above</p> <p><b>H11.</b> If you live in a one-family house which you own or are buying—</p> <p>What is the value of this property; that is, how much do you think this property (house and lot) would sell for if it were for sale?</p> <p><input type="radio"/> Less than \$5,000</p> <p><input type="radio"/> \$5,000 to \$7,499</p> <p><input type="radio"/> \$7,500 to \$9,999</p> <p><input type="radio"/> \$10,000 to \$12,499</p> <p><input type="radio"/> \$12,500 to \$14,999</p> <p><input type="radio"/> \$15,000 to \$17,499</p> <p><input type="radio"/> \$17,500 to \$19,999</p> <p><input type="radio"/> \$20,000 to \$24,999</p> <p><input type="radio"/> \$25,000 to \$34,999</p> <p><input type="radio"/> \$35,000 to \$49,999</p> <p><input type="radio"/> \$50,000 or more</p> <p style="border: 1px solid black; padding: 2px; font-size: small;">If this house is on a place of 10 acres or more, or if any part of this property is used as a commercial establishment or medical office, do not answer this question.</p> <p><b>H12.</b> Answer this question if you pay rent for your living quarters.</p> <p><b>a.</b> If rent is paid by the month—</p> <p>What is the monthly rent?</p> <p>Write amount here → \$ ----- .00 (Nearest dollar)</p> <p>and</p> <p>Fill one circle</p> <p><input type="radio"/> Less than \$30</p> <p><input type="radio"/> \$30 to \$39</p> <p><input type="radio"/> \$40 to \$49</p> <p><input type="radio"/> \$50 to \$59</p> <p><input type="radio"/> \$60 to \$69</p> <p><input type="radio"/> \$70 to \$79</p> <p><input type="radio"/> \$80 to \$89</p> <p><input type="radio"/> \$90 to \$99</p> <p><input type="radio"/> \$100 to \$119</p> <p><input type="radio"/> \$120 to \$149</p> <p><input type="radio"/> \$150 to \$199</p> <p><input type="radio"/> \$200 to \$249</p> <p><input type="radio"/> \$250 to \$299</p> <p><input type="radio"/> \$300 or more</p> <p><b>b.</b> If rent is not paid by the month—</p> <p>What is the rent, and what period of time does it cover?</p> <p>\$ ----- .00 per</p> <p style="text-align: center;">(Nearest dollar)                      (Week, half-month, year, etc.)</p>	<p>FOR CENSUS ENUMERATOR'S USE ONLY</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;"><b>24.</b> Block number</td> <td style="border: 1px solid black; padding: 2px;"><b>25.</b> Serial number</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0 0 0 0 0 0 0 0 0 0</td> <td style="border: 1px solid black; text-align: center;">0 0 0 0 0 0 0 0 0 0</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">1 0 0 0 1 0 0 0 0 1</td> <td style="border: 1px solid black; text-align: center;">1 0 0 0 1 0 0 0 0 1</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">2 0 0 0 2 0 0 0 0 2</td> <td style="border: 1px solid black; text-align: center;">2 0 0 0 2 0 0 0 0 2</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">3 0 0 0 3 0 0 0 0 3</td> <td style="border: 1px solid black; text-align: center;">3 0 0 0 3 0 0 0 0 3</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">4 0 0 0 4 0 0 0 0 4</td> <td style="border: 1px solid black; text-align: center;">4 0 0 0 4 0 0 0 0 4</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">5 0 0 0 5 0 0 0 0 5</td> <td style="border: 1px solid black; text-align: center;">5 0 0 0 5 0 0 0 0 5</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">6 0 0 0 6 0 0 0 0 6</td> <td style="border: 1px solid black; text-align: center;">6 0 0 0 6 0 0 0 0 6</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">7 0 0 0 7 0 0 0 0 7</td> <td style="border: 1px solid black; text-align: center;">7 0 0 0 7 0 0 0 0 7</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">8 0 0 0 8 0 0 0 0 8</td> <td style="border: 1px solid black; text-align: center;">8 0 0 0 8 0 0 0 0 8</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">9 0 0 0 9 0 0 0 0 9</td> <td style="border: 1px solid black; text-align: center;">9 0 0 0 9 0 0 0 0 9</td> </tr> </table> <p><b>B.</b> Type of unit or quarters</p> <p><b>Occupied</b></p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p><b>Vacant</b></p> <p><input type="radio"/> Regular</p> <p><input type="radio"/> Usual residence elsewhere</p> <p><b>Group quarters</b></p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p><i>For a vacant unit, also fill C, D, A, H2 to H8, and H10 to H12</i></p> <p><b>C.</b> Vacancy status</p> <p><b>Year round—</b></p> <p><input type="radio"/> For rent</p> <p><input type="radio"/> For sale only</p> <p><input type="radio"/> Rented or sold, not occupied</p> <p><input type="radio"/> Held for occasional use</p> <p><input type="radio"/> Other vacant</p> <p><input type="radio"/> Seasonal</p> <p><input type="radio"/> Migratory</p> <p>■</p> <p><b>D.</b> Months vacant</p> <p><input type="radio"/> Less than 1 month</p> <p><input type="radio"/> 1 up to 2 months</p> <p><input type="radio"/> 2 up to 6 months</p> <p><input type="radio"/> 6 up to 12 months</p> <p><input type="radio"/> 1 year up to 2 years</p> <p><input type="radio"/> 2 years or more</p> <p>C/O    <input type="radio"/>    <input type="radio"/></p>	<b>24.</b> Block number	<b>25.</b> Serial number	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	1 0 0 0 1 0 0 0 0 1	1 0 0 0 1 0 0 0 0 1	2 0 0 0 2 0 0 0 0 2	2 0 0 0 2 0 0 0 0 2	3 0 0 0 3 0 0 0 0 3	3 0 0 0 3 0 0 0 0 3	4 0 0 0 4 0 0 0 0 4	4 0 0 0 4 0 0 0 0 4	5 0 0 0 5 0 0 0 0 5	5 0 0 0 5 0 0 0 0 5	6 0 0 0 6 0 0 0 0 6	6 0 0 0 6 0 0 0 0 6	7 0 0 0 7 0 0 0 0 7	7 0 0 0 7 0 0 0 0 7	8 0 0 0 8 0 0 0 0 8	8 0 0 0 8 0 0 0 0 8	9 0 0 0 9 0 0 0 0 9	9 0 0 0 9 0 0 0 0 9
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APPENDIX B—Continued

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES  
(Percent indicates sample size)

<p><b>H13.</b> Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for—</p> <p><b>a. Electricity?</b></p> <p><input type="radio"/> Yes, average monthly cost is → \$ _____ .00 Average monthly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, electricity not used</p> <p><b>b. Gas?</b></p> <p><input type="radio"/> Yes, average monthly cost is → \$ _____ .00 Average monthly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, gas not used</p> <p><b>c. Water?</b></p> <p><input type="radio"/> Yes, yearly cost is → \$ _____ .00 Yearly cost</p> <p><input type="radio"/> No, included in rent or no charge</p> <p><b>d. Oil, coal, kerosene, wood, etc.?</b></p> <p><input type="radio"/> Yes, yearly cost is → \$ _____ .00 Yearly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, these fuels not used</p>	<p><b>H19.</b> Do you get water from—</p> <p><input type="radio"/> A public system (city water department, etc.) or private company?</p> <p><input type="radio"/> An individual well?</p> <p><input type="radio"/> Some other source (a spring, creek, river, cistern, etc.)?</p>
<p><b>H14.</b> How are your living quarters heated? Fill one circle for the kind of heat you use most.</p> <p><input type="radio"/> Steam or hot water system</p> <p><input type="radio"/> Central warm air furnace with ducts to the individual rooms, or central heat pump</p> <p><input type="radio"/> Built-in electric units (permanently installed in wall, ceiling, or baseboard)</p> <p><input type="radio"/> Floor, wall, or pipeless furnace</p> <p><input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene</p> <p><input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)</p> <p><input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind</p> <p>In some other way—Describe → _____</p> <p><input type="radio"/> None, unit has no heating equipment</p>	<p><b>H20.</b> Is this building connected to a public sewer?</p> <p><input type="radio"/> Yes, connected to public sewer</p> <p><input type="radio"/> No, connected to septic tank or cesspool</p> <p><input type="radio"/> No, use other means</p>
<p><b>H15.</b> About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</p> <p><input type="radio"/> 1969 or 1970      <input type="radio"/> 1950 to 1959</p> <p><input type="radio"/> 1965 to 1968      <input type="radio"/> 1940 to 1949</p> <p><input type="radio"/> 1960 to 1964      <input type="radio"/> 1939 or earlier</p>	<p><b>H21.</b> How many bathrooms do you have? A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water. A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</p> <p><input type="radio"/> No bathroom, or only a half bathroom</p> <p><input type="radio"/> 1 complete bathroom</p> <p><input type="radio"/> 1 complete bathroom, plus half bath(s)</p> <p><input type="radio"/> 2 complete bathrooms</p> <p><input type="radio"/> 2 complete bathrooms, plus half bath(s)</p> <p><input type="radio"/> 3 or more complete bathrooms</p>
<p><b>H16.</b> Which best describes this building? Include all apartments, flats, etc., even if vacant.</p> <p><input type="radio"/> A one-family house detached from any other house</p> <p><input type="radio"/> A one-family house attached to one or more houses</p> <p><input type="radio"/> A building for 2 families</p> <p><input type="radio"/> A building for 3 or 4 families</p> <p><input type="radio"/> A building for 5 to 9 families</p> <p><input type="radio"/> A building for 10 to 19 families</p> <p><input type="radio"/> A building for 20 to 49 families</p> <p><input type="radio"/> A building for 50 or more families</p> <p><input type="radio"/> A mobile home or trailer</p> <p>Other— Describe _____</p>	<p><b>H22.</b> Do you have air-conditioning?</p> <p><input type="radio"/> Yes, 1 individual room unit</p> <p><input type="radio"/> Yes, 2 or more individual room units</p> <p><input type="radio"/> Yes, a central air-conditioning system</p> <p><input type="radio"/> No</p>
<p><b>H17.</b> Is this building—</p> <p><input type="radio"/> On a city or suburban lot?— Skip to H19</p> <p><input type="radio"/> On a place of less than 10 acres?</p> <p><input type="radio"/> On a place of 10 acres or more?</p>	<p><b>H23.</b> How many passenger automobiles are owned or regularly used by members of your household? Count company cars kept at home.</p> <p><input type="radio"/> None</p> <p><input type="radio"/> 1 automobile</p> <p><input type="radio"/> 2 automobiles</p> <p><input type="radio"/> 3 automobiles or more</p>
<p><b>H18.</b> Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—</p> <p><input type="radio"/> Less than \$50 (or None)</p> <p><input type="radio"/> \$50 to \$249</p> <p><input type="radio"/> \$250 to \$2,499</p> <p><input type="radio"/> \$2,500 to \$4,999</p> <p><input type="radio"/> \$5,000 to \$9,999</p> <p><input type="radio"/> \$10,000 or more</p>	

15 and 5 percent

15 percent

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES  
(Percent indicates sample size)

15 and 5 percent

5 percent

<p><b>H13.</b> Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for—</p> <p><b>a. Electricity?</b>  <input type="radio"/> Yes, average monthly cost is → \$ _____ .00                  Average monthly cost  <input type="radio"/> No, included in rent  <input type="radio"/> No, electricity not used</p> <p><b>b. Gas?</b>  <input type="radio"/> Yes, average monthly cost is → \$ _____ .00                  Average monthly cost  <input type="radio"/> No, included in rent  <input type="radio"/> No, gas not used</p> <p><b>c. Water?</b> <input checked="" type="checkbox"/>  <input type="radio"/> Yes, yearly cost is → \$ _____ .00                  Yearly cost  <input type="radio"/> No, included in rent or no charge</p> <p><b>d. Oil, coal, kerosene, wood, etc.?</b>  <input type="radio"/> Yes, yearly cost is → \$ _____ .00                  Yearly cost  <input type="radio"/> No, included in rent  <input type="radio"/> No, these fuels not used</p>	<p><b>H24a.</b> How many stories (floors) are in this building?  <input type="radio"/> 1 to 3 stories  <input type="radio"/> 4 to 6 stories  <input type="radio"/> 7 to 12 stories  <input checked="" type="radio"/> 13 stories or more</p> <p><b>b.</b> If 4 or more stories— Is there a passenger elevator in this building?  <input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H14.</b> How are your living quarters heated? Fill <u>one</u> circle for the kind of heat you use most.</p> <p><input type="radio"/> Steam or hot water system  <input type="radio"/> Central warm air furnace with ducts to the individual rooms, or central heat pump  <input checked="" type="radio"/> Built-in electric units (permanently installed in wall, ceiling, or baseboard)</p> <p><input type="radio"/> Floor, wall, or pipeless furnace  <input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene  <input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)  <input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind</p> <p>In some other way—Describe → _____</p> <p><input type="radio"/> None, unit has no heating equipment</p>	<p><b>H25a.</b> Which fuel is used most for cooking?  <input checked="" type="checkbox"/> Gas { From underground pipes serving the neighborhood, <input type="radio"/> Coal or coke <input type="radio"/>                  Bottled, tank, or LP ..... <input type="radio"/> Wood ..... <input type="radio"/>                  Electricity ..... <input type="radio"/> Other fuel .. <input type="radio"/>                  Fuel oil, kerosene, etc. .... <input type="radio"/> No fuel used <input type="radio"/></p> <p><b>b.</b> Which fuel is used most for house heating?  <input checked="" type="checkbox"/> Gas { From underground pipes serving the neighborhood, <input type="radio"/> Coal or coke <input type="radio"/>                  Bottled, tank, or LP ..... <input type="radio"/> Wood ..... <input type="radio"/>                  Electricity ..... <input type="radio"/> Other fuel .. <input type="radio"/>                  Fuel oil, kerosene, etc. .... <input type="radio"/> No fuel used <input type="radio"/></p>
<p><b>H15.</b> About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</p> <p><input type="radio"/> 1969 or 1970 <input type="radio"/> 1950 to 1959  <input type="radio"/> 1965 to 1968 <input checked="" type="radio"/> 1940 to 1949  <input type="radio"/> 1960 to 1964 <input type="radio"/> 1939 or earlier</p>	<p><b>c.</b> Which fuel is used most for water heating?  <input checked="" type="checkbox"/> Gas { From underground pipes serving the neighborhood, <input type="radio"/> Coal or coke <input type="radio"/>                  Bottled, tank, or LP ..... <input type="radio"/> Wood ..... <input type="radio"/>                  Electricity ..... <input type="radio"/> Other fuel .. <input type="radio"/>                  Fuel oil, kerosene, etc. .... <input type="radio"/> No fuel used <input type="radio"/></p> <p><b>H26.</b> How many bedrooms do you have? Count rooms used mainly for sleeping even if used also for other purposes.</p> <p><input type="radio"/> No bedroom <input type="radio"/> 3 bedrooms  <input type="radio"/> 1 bedroom <input checked="" type="radio"/> 4 bedrooms  <input type="radio"/> 2 bedrooms <input type="radio"/> 5 bedrooms or more</p>
<p><b>H16.</b> Which best describes this building? Include all apartments, flats, etc., even if vacant.</p> <p><input type="radio"/> A one-family house detached from any other house  <input type="radio"/> A one-family house attached to one or more houses  <input type="radio"/> A building for 2 families  <input type="radio"/> A building for 3 or 4 families  <input type="radio"/> A building for 5 to 9 families  <input checked="" type="radio"/> A building for 10 to 19 families <input checked="" type="radio"/>  <input type="radio"/> A building for 20 to 49 families  <input type="radio"/> A building for 50 or more families  <input type="radio"/> A mobile home or trailer</p> <p>Other— Describe _____</p>	<p><b>H27a.</b> Do you have a clothes washing machine?  <input type="radio"/> Yes, automatic or semi-automatic  <input type="radio"/> Yes, wringer or separate spinner  <input type="radio"/> No</p> <p><b>b.</b> Do you have a clothes dryer?  <input type="radio"/> Yes, electrically heated  <input type="radio"/> Yes, gas heated  <input checked="" type="radio"/> No</p> <p><b>c.</b> Do you have a dishwasher (built-in or portable)?  <input type="radio"/> Yes <input type="radio"/> No</p> <p><b>d.</b> Do you have a home food freezer which is separate from your refrigerator?  <input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H17.</b> Is this building—  <input type="radio"/> On a city or suburban lot?—Skip to H24  <input type="radio"/> On a place of less than 10 acres?  <input type="radio"/> On a place of 10 acres or more?</p>	<p><b>H28a.</b> Do you have a television set? Count only sets in working order.  <input type="radio"/> Yes, one set  <input type="radio"/> Yes, two or more sets  <input type="radio"/> No</p> <p><b>b.</b> If "Yes"—Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83?  <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/></p>
<p><b>H18.</b> Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—  <input type="radio"/> Less than \$50 (or None) <input checked="" type="radio"/> \$2,500 to \$4,999  <input type="radio"/> \$50 to \$249 <input type="radio"/> \$5,000 to \$9,999  <input type="radio"/> \$250 to \$2,499 <input type="radio"/> \$10,000 or more</p>	<p><b>H29.</b> Do you have a battery-operated radio? Count car radios, transistors, and other battery-operated sets in working order or needing only a new battery for operation.  <input type="radio"/> Yes, one or more <input type="radio"/> No</p> <p><b>H30.</b> Do you (or any member of your household) own a second home or other living quarters which you occupy sometime during the year?  <input type="radio"/> Yes <input type="radio"/> No</p>



## APPENDIX B—Continued

### FACSIMILE OF THE RESPONDENT INSTRUCTIONS FOR THE HOUSING QUESTIONS IN THE 1970 CENSUS

If you live in an apartment building and you do not know the answers to questions H14, H15, H16, and H25, ask the person who runs your building (for example, the manager, rental agent, superintendent, janitor, etc.).

- A.** Mark only one circle. This address means the house or building number where your living quarters are located.
- H1.** Mark **Yes** and enter telephone number, even if the telephone is in another apartment or building.
- H2.** Mark the second circle only if you **must** go through someone else's living quarters to get to your own.
- H3.** The kitchen sink, stove, and refrigerator do **not** have to be in the same room.  
**Also used by another household** means that someone else who lives in the same building, but is not a member of your household, also uses the equipment. Mark this circle also if the occupants of living quarters now vacant would also use the equipment.
- H4.** 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 kitchenettes, strip or pullman kitchens; utility rooms; or unfinished attics, basements, or other space used for storage.
- H5.** Mark **hot water** even if you have it only part of the time.
- H6, H7.** See instructions for H3 for meaning of **Also used by another household**.
- H8.** A house has a **basement** if there is enclosed space in which persons can walk upright under all or part of the building. A house on a **concrete slab** has no basement and no air or crawl space below it. A house built in **another way** is one directly on the ground or resting on a foundation or posts to provide crawl space.
- H9.** **Owned or being bought** means that 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, 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.
- H10.** 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. If your house is on a place of 10 acres or more and also contains a commercial establishment or medical office, mark **Yes, 10 acres or more**.
- 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.
- H12.** Report the rent agreed to or contracted for, even if the furnishings, utilities, or services are included.  
a. If you pay rent by the month, write in the amount of rent and fill one circle.  
b. If rent is not paid by the month, answer both parts of b. For example, \$20 per week, \$1,500 per year, etc.
- H13.** If exact costs are not known, estimate as closely as possible. Report amounts even if bills are unpaid or are 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.
- H14.** This question refers to the type of heating equipment and not to the fuel used.  
A **heat pump** is sometimes known as a **reverse cycle** system.  
A **floor, wall, or pipeless furnace** delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. These furnaces do not have ducts leading to other rooms.  
Any heater that you plug into an electric outlet should be counted as a **portable room heater**--not a built-in electric unit.
- H16.** Count all occupied and vacant living quarters in the house or building, but not stores or office space.  
**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.
- H17.** 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.
- H18.** Fill the circle for the total (gross) amount of money received from the sales of crops, livestock, and other farm products produced on this place during the calendar year 1969.
- H19.** 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 an **individual well**.
- H20.** 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.
- H22.** Count only equipment with a refrigeration unit to cool the air. Mark an **individual room unit** for air conditioners which are installed in a window or in an outside wall and are used to cool one or more rooms. Mark a **central system** for a central installation which cools the entire house or apartment.
- H23.** Do not count cars permanently out of working order. Also do not count taxicabs, pickups, or larger trucks.
- H24a.** Do not count a basement as a story.  
b. Do not count elevators used only for freight.
- H25.** **Gas from underground pipes** is piped in from a central system such as 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.
- H27.** Mark the **Yes** circle whether you own the appliance or it is provided as part of the equipment in your living quarters. Do **not** count coin-operated equipment or appliances in storage.
- H28.** Count any set **equipped** to receive UHF (ultra high frequency) broadcasts, even if there are no such broadcasts in your area. Include sets that can be tuned directly to channels 14 to 83 and sets that receive UHF broadcasts by means of a converter. Also include sets that receive UHF broadcasts through a community antenna (CATV) or master antenna.
- H29.** A battery-operated radio is one that can be run on batteries and does not need to be plugged into an electric socket. Include battery-operated sets owned by any member of the household.
- H30.** Do **not** count vacation trailers, tents, or boats. Also do **not** count second homes used only for investment purposes.

## Appendix C.—ACCURACY OF THE DATA

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### SOURCES OF ERROR

Human and mechanical errors occur in any mass statistical operation such as a decennial census. Errors during the data collection phase can include failure to obtain required information from respondents, obtaining incorrect or inconsistent information, and recording information in the wrong place or incorrectly. Errors can also occur during the field review of the enumerator's work, the clerical handling of the questionnaires, the manual editing and coding operations, and the various stages of the electronic processing of the material. Careful efforts are made in every census to keep the errors in each step at an acceptably low level. Quality control and check measures are utilized throughout the census operation. As was done for the 1950 and 1960 censuses, evaluative material on many aspects of the 1970 census will be published as soon as the appropriate data are accumulated and analyzed. A major concern in the evaluation work is to ascertain, insofar as possible, the degree of completeness of the count of both population and housing units.

### 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.

Whenever information was missing, an allocation procedure was used to assign an entry, thereby eliminating the need for a "not reported" category in the tabulations. The assignment was based on related information reported for the housing unit or on information reported for a similar unit in the immediate neighborhood. For example, if tenure for an occupied unit was omitted but a rental amount was reported, the computer automatically edited tenure to "rented for cash rent." On the other hand, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit.

A similar procedure was used when the information reported for an item was inconsistent with other information reported for the unit. For example, if a housing unit was enumerated as having no piped water but having both a bathtub (or shower) and flush toilet for the exclusive use of the occupants of the unit, the computer edited water supply to "hot and cold water," a category considered to be consistent with the reported bathing and toilet facilities.

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 micro-filming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

The extent of allocations for non-responses and inconsistencies is given

for SMSA's and places in the allocation tables in the 1970 Population Census PC(1)-B and PC(1)-C reports, and in the Housing Census HC(1)-A and HC(1)-B reports.

### SAMPLE DESIGN

For sample data collected in the 1970 census, the housing unit, including all its occupants, was the sampling unit; for persons in group quarters identified in advance of the census, it was the person. In non-mail areas, the enumerator canvassed his assigned area and listed all housing units in an address register sequentially in the order in which he first visited the units, whether or not he completed the interview. Every fifth line of the address register was designated as a sample line, and the housing units listed on these lines were included in the sample. Each enumerator was given a random line on which he was to start listing and the order of canvassing was indicated in advance, although the instructions allowed some latitude in the order of visiting addresses. In mail areas, the list of housing units was prepared prior to Census Day either by employing commercial mailing lists corrected through the cooperation of the post office or by listing the units in a process similar to that used in non-mail areas. As in other areas, every fifth housing unit on these lists was designated to be in the sample. In group quarters, all persons were listed and every fifth person was selected for the sample; as indicated in Appendix B, information on the housing characteristics of group quarters was not collected in the census.

This 20-percent sample was subdivided into a 15-percent and a 5-percent sample by designating every fourth 20-percent sample unit as a

member of the 5-percent sample. The remaining sample units became the 15-percent sample. Two types of sample questionnaires were used, one for the 5-percent and one for the 15-percent sample units. Some questions were included on both the 5-percent and 15-percent sample forms and therefore appear for a sample of 20 percent of the units in the census. Other items appeared on either the 15-percent or the 5-percent questionnaires. The sample rates for the various items appearing in this report are shown in table A.

Although the sampling procedure did not automatically insure an exact 20-percent sample of persons or housing units in each locality, the sample design was unbiased if carried through according to instructions; generally for larger areas the deviation from 20 percent was found to be quite small. Biases may have arisen, however, when the enumerator failed to follow his listing and sampling instructions exactly. Quality control procedures were used throughout the census process, and where there was clear evidence that the sampling proce-

dures were not properly followed, some enumerators' assignments were returned to the field for resampling. Estimates for the United States as a whole indicate that 19.6 percent of the total population and 19.7 percent of the total housing units were enumerated on sample questionnaires. The computation of these proportions excluded several classes of the population and housing units for which no attempt at sampling was made. These were the relatively small numbers of persons and housing units (in most States, less than one percent) added to the enumeration from the post-census post office check, the various supplemental forms, and the special check of vacant units. However, the ratio estimation procedure described below adjusts the sample data to reflect these classes of population and housing units.

**RATIO ESTIMATION**

The statistics based on 1970 census sample data are estimates made through the use of ratio estimation procedures which were applied separately for the 5-, 15-, and 20-percent samples. The first step in carrying through the ratio estimates was to establish the areas within which separate ratios were to be prepared. These are referred to as "weighting areas." For the 15- and 20-percent samples the weighting areas contained a minimum population size of 2,500. The weighting areas used for the 5-percent ratio estimate were larger areas having a minimum population size of 25,000 and comprising combinations of the weighting areas used for the 15- and 20-percent samples. Weighting areas were established by a mechanical operation on the computer and were defined to conform, as nearly as possible, to areas for which tabulations are produced. Where these areas do

**TABLE A. Sample Rate for Subjects Included in This Report**

Subject	Sample rate (percent)	Subject	Sample rate (percent)
<b>OCCUPANCY CHARACTERISTICS</b>		<b>EQUIPMENT AND APPLIANCES</b>	
Occupied housing units . . . . .	20	Heating equipment . . . . .	20
Tenure . . . . .	20	Air conditioning . . . . .	15
Race . . . . .	20	Automobiles available . . . . .	15
Spanish heritage . . . . .	15	Second home . . . . .	5
Year moved into unit . . . . .	15	Clothes washing machine . . . . .	5
		Clothes dryer . . . . .	5
		Dishwasher . . . . .	5
		Home food freezer . . . . .	5
<b>VACANCY CHARACTERISTICS</b>		<b>FINANCIAL CHARACTERISTICS</b>	
Vacant for sale . . . . .	20	Value . . . . .	20
Vacant for rent . . . . .	20	Sales price asked . . . . .	20
Duration of vacancy . . . . .	20	Gross rent . . . . .	20
		Rent asked . . . . .	20
		Inclusion of utilities	
		in rent . . . . .	20
		Value-income ratio . . . . .	20
		Gross rent as percentage	
		of income . . . . .	20
<b>UTILIZATION CHARACTERISTICS</b>		<b>HOUSEHOLD CHARACTERISTICS</b>	
Number of rooms . . . . .	20	Household composition . . . . .	20
Size of household (persons) . . . . .	20	Income . . . . .	20
Persons per room . . . . .	20		
Bedrooms . . . . .	5		
<b>PLUMBING CHARACTERISTICS</b>			
Plumbing facilities . . . . .	20		
Complete bathrooms . . . . .	15		
<b>STRUCTURAL CHARACTERISTICS</b>			
Complete kitchen			
facilities . . . . .	20		
Access . . . . .	20		
Units in structure . . . . .	20		
Mobile home or trailer . . . . .	20		
Year structure built . . . . .	20		
Elevator in structure . . . . .	5		

not agree (primarily for smaller areas), there may be some differences between complete counts and sample estimates.

The ratio estimation process operated in two stages for occupied housing units, and in one stage for vacant units. The first stage for occupied units employed 18 household-type groups (the first of which was empty by definition); the second stage for occupied units used four groups: owner- and renter-occupied units, by race. The single stage for vacant units employed three groups: year-round vacant for sale, year-round vacant for rent, and other vacant.

Group

Occupied housing units:

STAGE I

*Male Head With Own Children Under 18*

- 1 1-person household
- 2 2-person household
- 3 3-person household
- .
- .
- 6 6-or-more-person household

*Male Head Without Own Children Under 18*

- 7-12 1-person to 6-or-more-person households

*Female Head*

- 13-18 1-person to 6-or-more-person households

STAGE II

*Owner Occupied*

- 19 Negro
- 20 Not Negro

*Renter Occupied*

- 21 Negro
- 22 Not Negro

Vacant housing units:

- 23 Year-round vacant for sale
- 24 Year-round vacant for rent
- 25 Other vacant

At each stage, for each of the occupied housing groups, the ratio of the complete count to the weighted sample count of the housing units in the group was computed and applied to the weight of each sample unit in the group. This operation was performed for each of the 18 groups in the first stage, then for the four groups in the second stage. As a rule, the weighted sample counts within each of the 4 groups in the second stage for occupied units should agree with the complete counts for the weighting areas (close, although not exact consistency can be expected for the 18 groups in the first stage). Similarly, the weighted sample counts within each of the 3 groups in the single stage for vacant housing units should agree with the complete counts for the weighting area.

There are some exceptions to this general rule, however. As indicated above, there may be differences between the complete counts and sample estimates when the tabulation area is not made up of whole weighting areas. Furthermore, in order to increase the reliability, a separate ratio was not computed in a group whenever certain criteria pertaining to the complete count of housing units and the magnitude of the weight were not met. For example, for the 20-percent sample the complete count of units in a group had to exceed 70 units and the ratio of the complete count to the unweighted sample count could not exceed 20. Where these criteria were not met, groups were combined in a specific order until the conditions were met. Where this occurred, con-

sistency between the weighted sample and the complete counts would apply as indicated above for the combined group but not necessarily for each of the groups in the combination.

Each sample housing unit was assigned an integral weight to avoid the complications involved in rounding in the final tables. If, for example, the final weight for a group was 5.2, one-fifth of the units in the group (selected at random) were assigned a weight of 6 and the remaining four-fifths a weight of 5.

The estimates realize some of the gains in sampling efficiency that would have resulted had the population been stratified into the groups before sampling. The net effect is a reduction in both the sampling error and possible bias of most statistics below what would be obtained by weighting the results of the sample by a uniform factor (e.g., by weighting the 20-percent sample results by a uniform factor of 5). The reduction in sampling error will be trivial for some items and substantial for others. A by-product of this estimation procedure is that estimates for this sample are, in general, consistent with the complete count for the housing unit groups used in the estimation procedure. A more complete discussion of the technical aspects of these ratio estimates will be presented in a separate report.

**SAMPLING VARIABILITY**

The estimates from the 20-, 15-, and 5-percent sample tabulations are subject to sampling variability. The standard errors of these estimates can be approximated by using the data in tables B through D. The chances are about 2 out of 3 that the difference (due to sampling variability) between the sample estimate and the figure that would have been obtained from a

complete count is less than the standard error. The chances are about 19 out of 20 that the difference is less than twice the standard error and about 99 out of 100 that it is less than  $2\frac{1}{2}$  times the standard error. The amount by which the estimated standard error must be multiplied to obtain other odds deemed more appropriate can be found in most statistical textbooks. The sampling errors may be obtained by using the factors shown in table D in conjunction with table B for absolute numbers and in conjunction with table C for percentages. These tables reflect the effect of simple response variance, but not of bias arising in the collection, processing and estimation steps nor of the correlated errors enumerators introduce; estimates of the magnitude of some of these factors in the total error are being evaluated and will be published at a later date.

Table B shows approximate standard errors of estimated numbers for most statistics based on the 20-percent sample. In determining the figures for this table, some aspects of the sample design, the estimation process, and the size of the area over which the data have been compiled are ignored. Table C shows standard errors of most percentages based on the 20-percent sample. Linear interpolation in tables B and C will provide approximate results that are satisfactory for most purposes. Table D provides a factor by which the standard errors shown in tables B or C should be multiplied to adjust for the effect of the sample size (i.e., whether a 15-percent or 5-percent sample) and the effect of the estimation procedure.

To estimate the standard error for a given characteristic, locate the factor in table D for the appropriate characteristic and the sample size used to tabulate the data, and multiply this

factor by the standard error found in table B or C. Where data are shown as cross-classifications of two characteristics, locate and use the larger factor. Similarly, if an item, although collected on one sample basis, has been tabulated for a smaller sample, use the factor appropriate for the smaller sample.

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 three following situations:

1. For a difference between the sample figure and one based on a complete count (e.g., arising from comparisons between sample statistics for 1970 and complete-count statistics for 1960 or 1950), the standard error is identical with the standard error of the 1970 estimate alone.
2. For a difference between two sample figures (that is, one from 1970 and the other from 1960, or both from the same census year), the standard error is approximately the square root of the sum of the squares of the standard errors of each estimate considered separately. This formula will represent the actual standard error quite accurately for the difference between estimates of the same characteristics in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will overestimate the true standard error. The approximate standard error for the 1970 sample figure is derived directly from tables B

through D. The standard error of a 1960 sample figure may be obtained from the relevant 1960 census report.

3. For a difference between two sample estimates, one of which represents a subclass of the other, the tables can be used directly with the difference considered as the sample estimate.

The sampling variability of the medians presented in certain tables (median rooms, median value, median gross rent, etc.) depends on the size of the base and on the distribution on which the median is based. An approximate method for measuring the reliability of an estimated median is to determine an interval about the estimated median such that there is a stated degree of confidence the true median lies within the interval. As the first step in estimating the upper and lower limits of the interval (that is, the confidence limits) about the median, compute one-half the number on which the median is based (designated  $N/2$ ). From table B, following the method outlined in other parts of this section, compute the standard error of an estimated number equal to  $N/2$ . Subtract this standard error from  $N/2$ . Cumulate the frequencies (in the table on which the median is based) until the total first exceeds the difference between  $N/2$  and its standard error, and by linear interpolation obtain a value corresponding to this number. In a corresponding manner, add the standard error to  $N/2$ , cumulate the frequencies in the table, and obtain a value in the table on which the median is based corresponding to the sum of  $N/2$  and its standard error.

The chances are about 2 out of 3 that the median would lie between these two values. The range for 19 chances out of 20 and for 99 in 100

can be computed in a similar manner by multiplying the standard error by the appropriate factors before sub-

tracting from and adding to one-half the number reporting the characteristics. Interpolation to obtain the

values corresponding to these numbers gives the confidence limits for the median.

**TABLE B. Approximate Standard Error of Estimated Number Based on 20-Percent Sample**

(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated number <sup>1</sup>	Number of housing units in area <sup>2</sup>						
	10,000	25,000	100,000	250,000	1,000,000	2,500,000	4,000,000
50 .....	15	15	15	15	15	15	15
100 .....	20	20	20	20	20	20	20
250 .....	30	30	30	30	30	30	30
500 .....	45	45	45	45	45	45	45
1,000 .....	60	60	65	65	65	65	65
2,500 .....	90	95	100	100	100	100	100
5,000 .....	100	130	140	140	140	140	140
10,000 .....	...	150	190	200	200	200	200
15,000 .....	...	150	230	240	240	240	240
25,000 .....	...	...	270	300	310	310	320
50,000 .....	...	...	320	400	440	440	440
75,000 .....	...	...	270	450	520	540	540
100,000 .....	...	...	...	490	600	620	630

<sup>1</sup>For estimated numbers larger than 100,000, the relative errors are somewhat smaller than for 100,000.

<sup>2</sup>An area is the smallest complete geographic area to which the estimate under consideration pertains. Thus, the area may be the standard metropolitan statistical area or the place. Housing units with Negro heads of household or Spanish heritage heads of household do not represent complete areas.

**TABLE C. Approximate Standard Error of Estimated Percentage Based on 20-Percent Sample**

(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated percentage	Base of percentage						
	500	1,000	2,500	10,000	25,000	100,000	250,000
2 or 98 .....	1.3	0.9	0.6	0.3	0.2	0.1	0.1
5 or 95 .....	2.0	1.4	0.9	0.4	0.3	0.1	0.1
10 or 90 .....	2.7	1.9	1.2	0.6	0.4	0.2	0.1
25 or 75 .....	3.9	2.7	1.7	0.9	0.5	0.3	0.2
50 .....	4.5	3.2	2.0	1.0	0.6	0.3	0.2

TABLE D. Factor to be Applied to Standard Errors

Characteristic <sup>1</sup>	Factor if sample rate is—			Characteristic <sup>1</sup>	Factor if sample rate is—		
	20 percent	15 percent	5 percent		20 percent	15 percent	5 percent
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>				<b>EQUIPMENT, FUELS, AND APPLIANCES</b>			
Year moved into unit .....	...	1.1	...	Heating equipment .....	0.8	0.9	...
Duration of vacancy .....	0.8	...	1.7	Air conditioning .....	...	1.1	...
<b>UTILIZATION CHARACTERISTICS</b>				Automobiles available .....	...	1.0	...
Rooms .....	1.0	1.1	2.1	Appliances .....	...	...	1.9
Size of household (persons) .....	0.5	0.6	1.2	<b>FINANCIAL CHARACTERISTICS</b>			
Persons per room .....	0.4	0.5	0.9	Value .....	1.0	1.1	2.1
Bedrooms .....	...	...	2.1	Value-income ratio .....	1.0	1.2	...
<b>PLUMBING CHARACTERISTICS</b>				Gross rent .....	0.9	1.1	2.1
Complete bathrooms .....	...	1.1	...	Gross rent as percentage of income	1.0	1.2	...
Plumbing facilities .....	1.0	...	...	Sales price asked .....	1.1	...	2.5
<b>STRUCTURAL CHARACTERISTICS</b>				Rent asked .....	1.1	...	2.5
Units in structure .....	0.8	0.9	1.7	<b>HOUSEHOLD CHARACTERISTICS</b>			
Year structure built .....	0.9	1.0	...	Household composition .....	0.6	0.7	...
				Income in 1969 .....	1.0	1.2	2.3
				<b>ALL OTHERS</b> .....	1.0	1.2	2.2

<sup>1</sup>Tabulations of housing data for households with heads of Spanish heritage are based on the 15-percent sample. For characteristics of households with heads of Spanish heritage (tables 19 to 26), use the factors given for the 15-percent sample.

NOTE: In this report an item collected for the 20-percent sample may be cross-tabulated with other items based on the 15-percent or 5-percent samples. In such cases, locate the factor for both items in Table D for the smaller sample size. Use the larger of the two factors. For example, in Table 9, duration of vacancy (a 20-percent item) is cross-tabulated by number of bedrooms (a 5-percent item). The factor for duration of vacancy based on a 5-percent sample is 1.7 and for bedrooms it is 2.1. The factor of 2.1 should be used to adjust the standard errors since it is the larger of the two factors based on the 5-percent sample.

## Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

The results of the 1970 Census of Population and Housing are being issued in the form of printed reports, microfiche copies of the printed reports, computer summary tapes, computer printouts, and microfilm. Listed below are short descriptions of the final report series and computer tapes, as currently planned. More detailed information on this program can be obtained by writing to the Publications Distribution Section, Bureau of the Census, Washington, D.C. 20233.

### Housing Census Reports

#### Volume I.

##### HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

This volume will consist of 58 "parts"—number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain two chapters designated as A and B. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in two series designated as HC(1)-A and B, respectively.

##### ■ Series HC(1)-A. GENERAL HOUSING CHARACTERISTICS

Statistics on tenure, kitchen facilities, plumbing facilities, number of rooms, persons per room, units in structure, mobile home, telephone, value, contract rent, and vacancy status are presented for some or all of the following areas: States (by urban and rural residence), standard metropolitan statistical areas (SMSA's), urbanized areas, places of 1,000 inhabitants or more, and counties.

##### ■ Series HC(1)-B. DETAILED HOUSING CHARACTERISTICS

Statistics are presented on a more detailed basis for the subjects included in the Series HC(1)-A reports, as well as on such additional subjects as year moved into unit, year structure built, basement, heating equipment, fuels, air conditioning, water and sewage, appliances, gross rent, and ownership of second home. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, urbanized areas, places of 2,500 inhabitants or more, and counties (by rural and rural-farm residence).

#### Volume II. METROPOLITAN HOUSING CHARACTERISTICS

These reports, also designated as Series HC(2), cover most of the 1970 census housing subjects in considerable detail and cross-classification. There is one report for each SMSA, presenting data for the SMSA and its central cities and places of 50,000 inhabitants or more, as well as a national summary report.

#### Volume III.

##### BLOCK STATISTICS

One report, under the designation Series HC(3), is issued for each urbanized area showing data for individual blocks on selected housing and population subjects. The series also includes reports for the communities outside urbanized areas which have contracted with the Census Bureau to provide block statistics from the 1970 census.

#### Volume IV.

##### COMPONENTS OF INVENTORY CHANGE

This volume will contain data on the disposition of the 1960 inventory and the source of the 1970 inventory, such as new construction, conversions, mergers, demolitions, and other additions and losses. Cross-tabulations of 1970 and 1960 characteristics for units that have not changed and characteristics of the present and previous residence of recent movers will also be provided. Statistics will be shown for 15 selected SMSA's and for the United States and regions.

#### Volume V.

##### RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, homeowner expenses, and other owner, property, and mortgage characteristics for the United States and regions.

#### Volume VI.

##### ESTIMATES OF "SUBSTANDARD" HOUSING

This volume will present counts of "substandard" housing units for counties and cities, based on the number of units lacking plumbing facilities combined with estimates of units with all plumbing facilities but in "dilapidated" condition.

#### Volume VII.

##### SUBJECT REPORTS

Each report in this volume will concentrate on a particular subject. Detailed information and cross-classifications will generally be provided on a national level; in some reports, data for States or SMSA's may also be shown. Among the subjects to be covered are housing characteristics by household composition, housing of minority groups and senior citizens, and households in mobile homes.

### Population Census Reports

#### Volume I.

##### CHARACTERISTICS OF THE POPULATION

This volume will consist of 58 "parts"—number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain four chapters designated as A, B, C, and D. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in four series designated as PC(1)-A, B, C, and D, respectively. The 58 PC(1)-A reports will be specially assembled and issued in a clothbound book, designated as Part A.

##### ■ Series PC(1)-A. NUMBER OF INHABITANTS.

Final official population counts are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, all incorporated places, and unincorporated places of 1,000 inhabitants or more.

##### ■ Series PC(1)-B. GENERAL POPULATION CHARACTERISTICS

Statistics on age, sex, race, marital status, and relationship to head of household are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, and places of 1,000 inhabitants or more.

##### ■ Series PC(1)-C. GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS

Statistics are presented on nativity and parentage, State or country of birth, Spanish origin, mother tongue, residence 5 years ago, year moved into present house, school enrollment (public or private), years of school completed, vocational training, number of children ever born, family composition, disability, veteran status, employment status, place of work, means of transportation to work, occupation group, industry group, class of worker, and income (by type) in 1969 of families and individuals. Each subject is shown for some or all of the following areas: States, counties (by urban, rural-nonfarm, and rural-farm residence), SMSA's urbanized areas, and places of 2,500 inhabitants or more.



## APPENDIX D—Continued

### ■ Series PC(1)-D.

#### DETAILED CHARACTERISTICS

These reports cover most of the subjects shown in Series PC(1)-C, above, presenting the data in considerable detail and cross-classified by age, race, and other characteristics. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, and large cities.

#### Volume II.

#### SUBJECT REPORTS

Each report in this volume, also designated as Series PC(2), will concentrate on a particular subject. Detailed information and cross-relationships will generally be provided on a national and regional level; in some reports, data for States or SMSA's will also be shown. Among the characteristics to be covered are national origin and race, fertility, families, marital status, migration, education, unemployment, occupation, industry, and income.

#### Joint Population-Housing Reports

#### Series PHC(1).

#### CENSUS TRACT REPORTS

This series contains one report for each SMSA, showing data for most of the population and housing subjects included in the 1970 census.

#### Series PHC(2).

#### GENERAL DEMOGRAPHIC TRENDS FOR METROPOLITAN AREAS, 1960 TO 1970

This series consists of one report for each State and the District of Columbia, as well as a national summary report, presenting statistics for the State and for SMSA's and their central cities and constituent counties. Comparative 1960 and 1970 data are shown on population counts by age and race and on such housing subjects as tenure, plumbing facilities, value, and contract rent.

#### Series PHC(3).

#### EMPLOYMENT PROFILES OF SELECTED LOW-INCOME AREAS

This series consists of approximately 70 reports, each presenting statistics on the social and economic characteristics of the residents of a particular low-income area. The data relate to low-income neighborhoods in 51 cities and seven rural poverty areas. Each report provides statistics on employment and unemployment, education, vocational training, availability for work,

job history, and income, as well as on value or rent and number of rooms in the housing unit.

#### Additional Reports

#### Series PHC(E).

#### EVALUATION REPORTS

This open series will present the results of the extensive evaluation program conducted as an integral part of the 1970 census program, and relating to such matters as completeness of enumeration and quality of the data on characteristics.

#### Series PHC(R).

#### PROCEDURAL REPORTS

This open series presents information on various administrative and methodological aspects of the 1970 census, and will include a comprehensive procedural history of the 1970 census. The first report issued focuses on the forms and procedures used in the data collection phase of the census.

#### Computer Summary Tapes

The major portion of the results of the 1970 census is produced in a set of six tabulation counts. To help meet the needs of census users, these counts are being designed to provide data with much greater subject and geographic detail than it is feasible or desirable to publish in printed reports. The data so tabulated are generally available—subject to suppression of certain detail where necessary to protect confidentiality—on magnetic computer tape, printouts, and microfilm, at the cost of preparing the copy.

**First Count**—source of the PC(1)-A reports; contains about 400 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for each of the approximately 250,000 enumeration districts in the United States.

**Second Count**—source of the PC(1)-B, HC(1)-A, and part of the PHC(1) reports; contains about 3,500 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States.

**Third Count**—source of the HC(3) reports; contains about 250 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for approximately 1,500,000 blocks in the United States.

**Fourth Count**—source of the PC(1)-C, HC(1)-B, and part of the PHC(1) reports; contains about 13,000 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States; also contains about 30,000 cells of data for each county.

**Fifth Count**—contains approximately 800 cells of population and housing data for 5-digit ZIP code areas in SMSA's and 3-digit ZIP code areas outside SMSA's; the ZIP code data are available only on tape.

**Sixth Count**—source of the PC(1)-D and HC(2) reports; contains about 260,000 cells of data covering the subjects in these reports and tabulated for States, SMSA's, and large cities.

The tapes are generally organized on a State basis. To use the First Count and Third Count tapes, it is necessary to purchase the appropriate enumeration district and block maps.

The term "cells" used herein to indicate the scope of subject content of the several counts refers to each figure or statistic in the tabulation for a specific geographic area. For example, in the Third Count, there are six cells for a cross-classification of race by sex: three categories of race (white, Negro, other race) by two categories of sex (male, female).

In addition to the above-mentioned summary tapes, the Census Bureau makes available for purchase certain sample tape files containing population and housing characteristics as shown on individual census records. These files contain no names or addresses, and the geographic identification is sufficiently broad to protect confidentiality. There are six files, each containing a 1-percent national sample of persons and housing units. Three of the files are drawn from the population covered by the census 15-percent sample and three from the population in the census 5-percent sample. Each of these three files provides a different type of geographic information: One identifies individual large SMSA's and, for the rest of the country, groups of counties; the second individual States and, where they are sufficiently large, provides urban-rural and metropolitan-nonmetropolitan detail; and the third State groups and size of place, with each individual record showing selected characteristics of the persons's neighborhood.

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**Table**

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5, 15, 23 ROOMS

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6, 16, 24 UNITS IN STRUCTURE

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7, 17, 25 HOUSEHOLD COMPOSITION

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8, 18, 26 PERSONS

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9 DURATION OF VACANCY

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10 SALES PRICE ASKED  
AND RENT ASKED

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A UNITED STATES  
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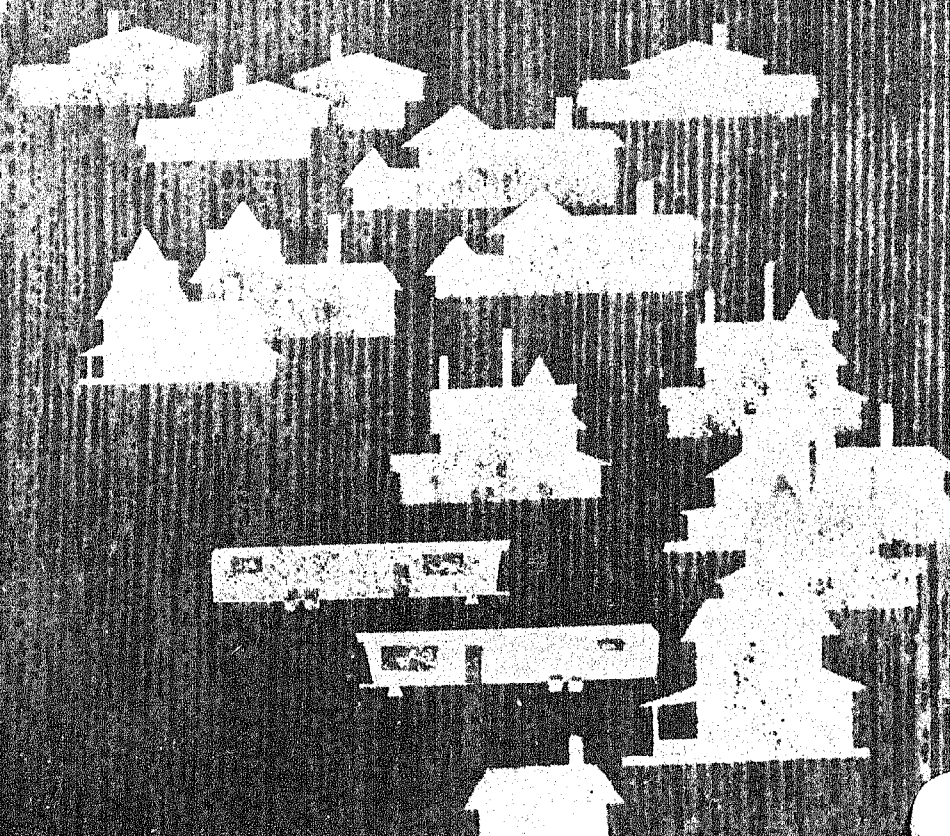


# Metropolitan Housing Characteristics

DULUTH-SUPERIOR, MINN.-WIS.  
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-62

## 1970 CENSUS OF HOUSING



U.S. DEPARTMENT  
OF COMMERCE  
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THE CENSUS

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### HOUSING DIVISION

Arthur F. Young, Chief

**ACKNOWLEDGMENTS**—Many persons participated in the various activities of the 1970 census. Primary direction of the program was performed by Conrad Taeuber, Associate Director for Demographic Fields, assisted by David L. Kaplan, 1970 Census Coordinator, and in conjunction with Paul R. Squires, Associate Director for Data Collection and Processing, and Joseph Waksberg, Acting Associate Director for Statistical Standards and Methodology.

This report was planned and written in the Housing Division under the supervision of Arthur F. Young, Chief, by Aaron Josowitz, Assistant Division Chief, Nathan Krevor, Chief, Coordination and Research Branch, and Paul F. Coe, assisted by Robert W. Bonnette, William Downs, and Edward D. Montfort.

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Systems and processing procedures were developed under the direction of Morris Gorinson, Assistant Chief, Demographic Census Staff. Florence Wright, assisted by Orville M. Slye and Erne Wilkins, was responsible for the clerical procedures and Roger O. Lepage, assisted by Howard N. Hamilton, William Norfolk, and Eleanor Banks, was responsible for the computer programming. Donald R. Dalzell was responsible for the computer procedures and programs used for the electronic preparation of the tables in this report.

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# 1970 CENSUS OF HOUSING

## Metropolitan Housing Characteristics

DULUTH-SUPERIOR, MINN.-WIS.  
STANDARD METROPOLITAN  
STATISTICAL AREA

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**Table:**

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6, 16, 24	UNITS IN STRUCTURE
7, 17, 25	HOUSEHOLD COMPOSITION
8, 18, 26	PERSONS
9	DURATION OF VACANCY
10	SALES PRICE ASKED AND RENT ASKED

# LIST OF HC(2) REPORTS

Report number	Area	Report number	Area	Report number	Area
1	United States and Regions	43	Chattanooga, Tenn.-Ga. SMSA	85	Greensboro-Winston-Salem-High Point, N.C. SMSA
2	Abilene, Tex. SMSA	44	Chicago, Ill. SMSA	86	Greenville, S.C. SMSA
3	Akron, Ohio SMSA	45	Cincinnati, Ohio-Ky.-Ind. SMSA	87	Hamilton-Middletown, Ohio SMSA
4	Albany, Ga. SMSA	46	Cleveland, Ohio SMSA	88	Harrisburg, Pa. SMSA
5	Albany-Schenectady-Troy, N.Y. SMSA	47	Colorado Springs, Colo. SMSA	89	Hartford, Conn. SMSA
6	Albuquerque, N. Mex. SMSA	48	Columbia, Mo. SMSA	90	Honolulu, Hawaii SMSA
7	Allentown-Bethlehem-Easton, Pa.-N.J. SMSA	49	Columbia, S.C. SMSA	91	Houston, Tex. SMSA
8	Altoona, Pa. SMSA	50	Columbus, Ga.-Ala. SMSA	92	Huntington-Ashland, W. Va.-Ky.-Ohio SMSA
9	Amarillo, Tex. SMSA	51	Columbus, Ohio SMSA	93	Huntsville, Ala. SMSA
10	Anaheim-Santa Ana-Garden Grove, Calif. SMSA	52	Corpus Christi, Tex. SMSA	94	Indianapolis, Ind. SMSA
11	Anderson, Ind. SMSA	53	Dallas, Tex. SMSA	95	Jackson, Mich. SMSA
12	Ann Arbor, Mich. SMSA	54	Danbury, Conn. SMSA	96	Jackson, Miss. SMSA
13	Appleton-Oshkosh, Wis. SMSA	55	Davenport-Rock Island-Moline, Iowa-Ill. SMSA	97	Jacksonville, Fla. SMSA
14	Asheville, N.C. SMSA	56	Dayton, Ohio SMSA	98	Jersey City, N.J. SMSA
15	Atlanta, Ga. SMSA	57	Decatur, Ill. SMSA	99	Johnstown, Pa. SMSA
16	Atlantic City, N.J. SMSA	58	Denver, Colo. SMSA	100	Kalamazoo, Mich. SMSA
17	Augusta, Ga.-S.C. SMSA	59	Des Moines, Iowa SMSA	101	Kansas City, Mo.-Kans. SMSA
18	Austin, Tex. SMSA	60	Detroit, Mich. SMSA	102	Kenosha, Wis. SMSA
19	Bakersfield, Calif. SMSA	61	Dubuque, Iowa SMSA	103	Knoxville, Tenn. SMSA
20	Baltimore, Md. SMSA	62	Duluth-Superior, Minn.-Wis. SMSA	104	La Crosse, Wis. SMSA
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22	Bay City, Mich. SMSA	64	El Paso, Tex. SMSA	106	Lafayette-West Lafayette, Ind. SMSA
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27	Birmingham, Ala. SMSA	69	Fargo-Moorhead, N. Dak.-Minn. SMSA	111	Las Vegas, Nev. SMSA
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29	Boise City, Idaho SMSA	71	Fitchburg-Leominster, Mass. SMSA	113	Lawton, Okla. SMSA
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36	Buffalo, N.Y. SMSA	78	Gadsden, Ala. SMSA	120	Los Angeles-Long Beach, Calif. SMSA
37	Canton, Ohio SMSA	79	Gainesville, Fla. SMSA	121	Louisville, Ky.-Ind. SMSA
38	Cedar Rapids, Iowa SMSA	80	Galveston-Texas City, Tex. SMSA	122	Lowell, Mass. SMSA
39	Champaign-Urbana, Ill. SMSA	81	Gary-Hammond-East Chicago, Ind. SMSA	123	Lubbock, Tex. SMSA
40	Charleston, S.C. SMSA	82	Grand Rapids, Mich. SMSA	124	Lynchburg, Va. SMSA
41	Charleston, W. Va. SMSA	83	Great Falls, Mont. SMSA	125	Macon, Ga. SMSA
42	Charlotte, N.C. SMSA	84	Green Bay, Wis. SMSA	126	Madison, Wis. SMSA

Report number	Area	Report number	Area	Report number	Area
127	Manchester, N.H. SMSA	169	Pittsfield, Mass. SMSA	211	Springfield-Chicopee-Holyoke, Mass.-Conn. SMSA
128	Mansfield, Ohio SMSA	170	Portland, Maine SMSA	212	Stamford, Conn. SMSA
129	McAllen-Pharr-Edinburg, Tex. SMSA	171	Portland, Oreg.-Wash. SMSA	213	Steubenville-Weirton, Ohio-W. Va. SMSA
130	Memphis, Tenn.-Ark. SMSA	172	Providence-Pawtucket-Warwick, R.I.-Mass. SMSA	214	Stockton, Calif. SMSA
131	Meriden, Conn. SMSA	173	Provo-Orem, Utah SMSA	215	Syracuse, N.Y. SMSA
132	Miami, Fla. SMSA	174	Pueblo, Colo. SMSA	216	Tacoma, Wash. SMSA
133	Midland, Tex. SMSA	175	Racine, Wis. SMSA	217	Tallahassee, Fla. SMSA
134	Milwaukee, Wis. SMSA	176	Raleigh, N.C. SMSA	218	Tampa-St. Petersburg, Fla. SMSA
135	Minneapolis-St. Paul, Minn. SMSA	177	Reading, Pa. SMSA	219	Terre Haute, Ind. SMSA
136	Mobile, Ala. SMSA	178	Reno, Nev. SMSA	220	Texarkana, Tex.-Ark. SMSA
137	Modesto, Calif. SMSA	179	Richmond, Va. SMSA	221	Toledo, Ohio-Mich. SMSA
138	Monroe, La. SMSA	180	Roanoke, Va. SMSA	222	Topeka, Kans. SMSA
139	Montgomery, Ala. SMSA	181	Rochester, Minn. SMSA	223	Trenton, N.J. SMSA
140	Muncie, Ind. SMSA	182	Rochester, N.Y. SMSA	224	Tucson, Ariz. SMSA
141	Muskegon-Muskegon Heights, Mich. SMSA	183	Rockford, Ill. SMSA	225	Tulsa, Okla. SMSA
142	Nashua, N.H. SMSA	184	Sacramento, Calif. SMSA	226	Tuscaloosa, Ala. SMSA
143	Nashville-Davidson, Tenn. SMSA	185	Saginaw, Mich. SMSA	227	Tyler, Tex. SMSA
144	New Bedford, Mass. SMSA	186	St. Joseph, Mo. SMSA	228	Utica-Rome, N.Y. SMSA
145	New Britain, Conn. SMSA	187	St. Louis, Mo.-Ill. SMSA	229	Vallejo-Napa, Calif. SMSA
146	New Haven, Conn. SMSA	188	Salem, Oreg. SMSA	230	Vineland-Millville-Bridgeton, N.J. SMSA
147	New London-Groton-Norwich, Conn. SMSA	189	Salinas-Monterey, Calif. SMSA	231	Waco, Tex. SMSA
148	New Orleans, La. SMSA	190	Salt Lake City, Utah SMSA	232	Washington, D.C.-Md.-Va. SMSA
149	New York, N.Y. SMSA	191	San Angelo, Tex. SMSA	233	Waterbury, Conn. SMSA
150	Newark, N.J. SMSA	192	San Antonio, Tex. SMSA	234	Waterloo, Iowa SMSA
151	Newport News-Hampton, Va. SMSA	193	San Bernardino-Riverside-Ontario, Calif. SMSA	235	West Palm Beach, Fla. SMSA
152	Norfolk-Portsmouth, Va. SMSA	194	San Diego, Calif. SMSA	236	Wheeling, W. Va.-Ohio SMSA
153	Norwalk, Conn. SMSA	195	San Francisco-Oakland, Calif. SMSA	237	Wichita, Kans. SMSA
154	Odessa, Tex. SMSA	196	San Jose, Calif. SMSA	238	Wichita Falls, Tex. SMSA
155	Ogden, Utah SMSA	197	Santa Barbara, Calif. SMSA	239	Wilkes-Barre-Hazleton, Pa. SMSA
156	Oklahoma City, Okla. SMSA	198	Santa Rosa, Calif. SMSA	240	Wilmington, Del.-N.J.-Md. SMSA
157	Omaha, Nebr.-Iowa SMSA	199	Savannah, Ga. SMSA	241	Wilmington, N.C. SMSA
158	Orlando, Fla. SMSA	200	Scranton, Pa. SMSA	242	Worcester, Mass. SMSA
159	Owensboro, Ky. SMSA	201	Seattle-Everett, Wash. SMSA	243	York, Pa. SMSA
160	Oxnard-Ventura, Calif. SMSA	202	Sherman-Denison, Tex. SMSA	244	Youngstown-Warren, Ohio SMSA
161	Paterson-Clifton-Passaic, N.J. SMSA	203	Shreveport, La. SMSA	245	Caguas, P. R. SMSA
162	Pensacola, Fla. SMSA	204	Sioux City, Iowa-Nebr. SMSA	246	Mayagüez, P. R. SMSA
163	Peoria, Ill. SMSA	205	Sioux Falls, S. Dak. SMSA	247	Ponce, P. R. SMSA
164	Petersburg-Colonial Heights, Va. SMSA	206	South Bend, Ind. SMSA	248	San Juan, P. R. SMSA
165	Philadelphia, Pa. N.J. SMSA	207	Spokane, Wash. SMSA		
166	Phoenix, Ariz. SMSA	208	Springfield, Ill. SMSA		
167	Pine Bluff, Ark. SMSA	209	Springfield, Mo. SMSA		
168	Pittsburgh, Pa. SMSA	210	Springfield, Ohio SMSA		

## TABLE FINDING GUIDE—Cross-Classification of Subjects by Table Number

This guide lists all subjects covered in this report. An asterisk (\*) indicates that data are shown for housing units with Negro head of household, and the dagger symbol (†) means that the data are shown for housing units with household head of Spanish heritage; these data are shown when an area has 25,000 or more Negro or Spanish heritage population, respectively.

Subject	Value	Gross rent	Income in 1969	Plumbing facilities by persons per room	Number of rooms	Units in structure	Household composition by age of head	Size of household (persons)	Duration of vacancy	Sales price asked and rent asked
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>										
Year moved into unit	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Duration of vacancy	—	—	—	9 <sup>1</sup>	9	9	—	—	—	9
<b>UTILIZATION CHARACTERISTICS</b>										
Number of rooms	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	5, 15*, 23†	—	6, 16*, 24†	—	5, 15*, 23†	9	—
Size of household (persons)	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	8, 18*, 26†	8, 18*, 26†	—	—	—
Number of bedrooms	1, 11*	2, 12*	3, 13*	—	5, 15*	6, 16*	—	8, 18*	9	10
Persons per room	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
<b>PLUMBING CHARACTERISTICS</b>										
Plumbing facilities	—	—	—	—	—	—	—	—	9	10
Plumbing facilities by persons per room	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
Complete bathrooms	1, 11*, 19†	2, 12*, 20†	—	—	5, 15*, 23†	—	—	8, 18*, 26†	—	—
<b>STRUCTURAL CHARACTERISTICS</b>										
Units in structure	—	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	—	7, 17*, 25†	8, 18*, 26†	9	10
Year structure built	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	6, 16*, 24†	—	8, 18*, 26†	9	10
Elevator in structure	—	2, 12*	—	—	—	—	—	—	—	—
<b>EQUIPMENT AND APPLIANCES</b>										
Heating equipment	1, 11*, 19†	—	—	4, 14*, 22†	—	6, 16*, 24†	—	—	9	—
Air conditioning	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Automobiles available	—	—	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Second home	—	—	3, 13*	—	—	—	—	—	—	—
Automatic clothes washing machine	—	—	3, 13*	—	—	—	—	—	—	—
Clothes dryer	—	—	3, 13*	—	—	—	—	—	—	—
Dishwasher	—	—	3, 13*	—	—	—	—	—	—	—
Home food freezer	—	—	3, 13*	—	—	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>										
Value	—	—	1, 11*, 19†	1, 11*, 19†	1, 11*, 19†	—	1, 11*, 19†	1, 11*, 19†	—	—
Value-income ratio	—	—	—	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent	—	—	2, 12*, 20†	2, 12*, 20†	2, 12*, 20†	6, 16*, 24†	7, 17*, 25†	2, 12*, 20†	—	—
Gross rent as percentage of income	—	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent as percentage of income by income	—	2	—	—	—	—	—	—	—	—
Sales price asked	—	—	—	10 <sup>1</sup>	—	—	—	—	9	—
Rent asked	—	—	—	10 <sup>1</sup>	—	10	—	—	9	—
Inclusion of utilities in rent	—	—	—	—	—	—	—	—	—	10
<b>HOUSEHOLD CHARACTERISTICS</b>										
Household composition by age of head	1, 11*, 19†	7, 17*, 25†	7, 17*, 25†	7, 17*, 25†	—	7, 17*, 25†	—	8, 18*, 26†	—	—
Income in 1969	1, 11*, 19†	2, 12*, 20†	—	4, 14*, 22†	3, 13*, 21†	6, 16*, 24†	7, 17*, 25†	3, 13*, 21†	—	—

<sup>1</sup> Vacant units tabulated by plumbing facilities only.



# INTRODUCTION

# APPENDIXES

A. Area Classifications .....	App-1
B. Definitions and Explanations of Subject Characteristics ...	App-2
C. Accuracy of the Data .....	App-14
D. Publication and Computer Summary Tape Program .....	App-20

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## GENERAL

This report presents cross-tabulations of housing and household characteristics from the 1970 Census of Population and Housing for the standard metropolitan statistical area, its central city or cities, and its places of 50,000 inhabitants or more. Legal provision for this census, which was conducted as of April 1, 1970, was made in the Act of Congress of August 31, 1954 (amended August 1957), which codified Title 13, United States Code.

This report series contains 248 reports as listed on page II. There is one report for each standard metropolitan statistical area (recognized as of February 1971) in the United States and Puerto Rico, as well as a summary report for the United States.

This series of reports is one of the several series which present the information compiled from the census. For a description of the full data dissemination program of the 1970 Population and Housing Census, see Appendix D, "Publication and Computer Summary Tape Program."

The content and procedures of the 1970 census were determined after evaluation of the results of the 1960 census, consultation with a wide variety of users of census data, and extensive field pretesting. A number of

changes were introduced in 1970 to improve the usefulness of the census results. For most of the characteristics shown in this report, the changes do not, however, affect to any appreciable extent the comparability of the 1970 data with those for 1960; 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 later reports of the 1970 census.

**Organization of the text.**—The text consists of this introduction and four appendixes which appear after the tables. Appendix A describes the various area classifications (e.g., places, standard metropolitan statistical areas, etc.) and briefly explains the residence rules used in counting the population. Appendix B provides definitions and explanations for the subjects covered in this report, including facsimiles of the 1970 census questionnaire pages and a facsimile of the instruction sheet. Appendix C presents information on sources of error in the data, editing procedures, the sample design, ratio estimation, and sampling variability. Appendix D summarizes the data dissemination program of the 1970 census.

**Content of the tables.**—A series of standard tables is presented for each area shown in this report. Tables 1 to 8 present statistics for owner-occupied and renter-occupied units. Tables 9 and 10 present statistics for vacant units, separately for units for

sale and for units for rent. Data for housing units with Negro head of household are presented in tables 11 to 18, and data for housing units with heads of Spanish heritage (i.e., heads of Spanish language or surname or of Puerto Rican birth or parentage) are presented in tables 19 to 26; these tables, which have the same subject content as tables 1 to 8, are published for those standard metropolitan statistical areas, cities or places that have a population of 25,000 or more for the particular group. The finding guide on page IV lists the characteristics covered in this report and shows the tables in which the various types of statistics appear.

The prefix letter "A" has been assigned to the tables for the total standard metropolitan statistical area; tables for the central cities and places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.

**Sample size.**—The statistics presented in this report are based on a sample of housing units. More specifically, the data are derived from the 15-percent and 5-percent sample questionnaires (see "Data Collection Procedures," below). Some items appeared on both sample questionnaires and, therefore, are based on a 20-percent sample of housing units. The sampling rate for each subject is shown in table A of Appendix C, "Accuracy of the Data." Appendix C also presents information on the sampling variability associated with these data.

Statistics for some subgroups (e.g., households in owner-occupied units with incomes of less than \$2,000 or renter-occupied 1-room units) may differ from table to table or within the same table when the figures are tabulated from different samples.

**Derived figures (medians, etc.).**—Shown in this report are medians as well as certain percentages and ratios. The median, which is 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 fall below the median and one-half of the cases exceed the median. For all types of derived figures in this report, the figure is not presented (but indicated by three dots "...") if there are fewer than the prescribed number of units in the distribution or the base. For the 20-percent sample, the minimum number of housing units is 100; for the 15-percent sample, the minimum is 132; and for the 5-percent sample, the minimum is 400.

Medians for rooms and persons are rounded to the nearest tenth, for value to the nearest hundred dollars, and for 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 up 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. When the median falls in the lower terminal category of an open-end 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 \$5,000," it is shown as "\$5,000—." When the median falls in the upper terminal category of an open-end distribution, the method of presentation is to show the initial value of the

terminal category followed by a plus sign; thus, for example, if the median falls in the category "\$50,000 or more," it is shown as "\$50,000+."

**Symbols.**—A dash "—" signifies zero. Three dots "..." mean not applicable, or that the base for a derived figure is too small for it to be shown, or that the data are being withheld to avoid disclosure of information for individual housing units. The symbol "U" means that the place is unincorporated.

**Boundaries.**—The data shown for 1970 relate to the boundaries as they existed on January 1, 1970. Information on boundary changes between 1960 and 1970 for certain types of areas is given in the 1970 Population Census PC(1)-A reports.

#### DATA COLLECTION PROCEDURES

The 1970 census was conducted primarily through self-enumeration. In 1960, self-enumeration was first introduced on a nationwide scale as a substitute for the traditional census direct interview.

A census questionnaire was delivered by postal carriers to every household several days before Census Day, April 1, 1970. This questionnaire contained certain explanatory information and was accompanied by an instruction sheet; in areas with comparatively large proportions of Spanish-speaking persons, a Spanish version of the instruction sheet was also enclosed. Some of this material is reproduced in Appendix B, "Definitions and Explanations of Subject Characteristics."

In the larger metropolitan areas and some adjacent counties, altogether containing about three-fifths of the

population of the United States, the householder was requested to fill out and mail back the form on Census Day. Approximately 87 percent of the householders did so. The mailed-back forms were reviewed by the census enumerator (or, in some localities, a census clerk) and if the form was determined to be incomplete or inconsistent, a followup was made. The bulk of these followups were made by telephone, the rest by personal visit. For the households that did not mail back their forms, a followup was also made, in almost all cases by personal visit and in the remainder by telephone; vacant units were enumerated by personal visit.

For the remaining two-fifths of the population, the householder was requested to fill out the form and give it to the enumerator when he called; approximately 80 percent did so. Incomplete and unfilled forms were completed by interview during the enumerator's visit.

Three types of questionnaires were used throughout the country: 80 percent of the households answered a form containing a limited number of population and housing questions and the remainder, split into 15-percent and 5-percent samples, answered forms which contained these questions as well as a number of additional questions. Some of the additional questions were the same on the 15-percent and 5-percent versions; others were different. A random procedure was used to determine which of the three forms any particular household answered.

In the metropolitan and adjacent areas, the designated type was sent to each household. In the remaining areas, the questionnaire with a limited number of questions was distributed to all households and the enumerators

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## INTRODUCTION—Continued

interviewed for the additional questions in those households designated for the 15-percent and 5-percent samples.

The subjects covered in this report are all drawn from the 15-percent and 5-percent sample questionnaires.

### PROCESSING PROCEDURES

The 1970 census questionnaires were specially designed to be processed by FOSDIC (Film Optical

Sensing Device for Input to Computers). Respondents and enumerators (and for some few items, census clerks) marked the answers in predesignated positions which could be "read" by FOSDIC, from a microfilm copy of the questionnaire, onto computer magnetic 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 (see Appendix C, "Accuracy of the Data"). One of the end results of this operation was a computer tape from which the tables in this report were prepared on a cathode-ray-tube phototypesetting machine at the Government Printing Office. Another end result was the summary tape which is available for purchase, as described in Appendix D, "Publication and Computer Summary Tape Program."

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METROPOLITAN HOUSING CHARACTERISTICS

**Duluth-Superior, Minn.-Wis.**  
STANDARD METROPOLITAN STATISTICAL AREA

[Page numbers listed here omit the SMSA prefix number which appears as part of the page number for each page. The prefix for this SMSA is 62.]

page

**MAP**

Counties, Standard Metropolitan  
Statistical Areas, and Selected Places

XI

**INDEX OF TABLES**

[The prefix letter "A" refers to tables for the total SMSA; tables for central cities and for places of 50,000 inhabitants or more, which follow in alphabetical order, have the prefix letter "B," "C," etc.]

Area	Prefix letter	Tables 1-10	Tables 11-18	Tables 19-26
		<i>Pages</i>	<i>Pages</i>	<i>Pages</i>
Total SMSA .....	A	1 to 9	—	—
Duluth .....	B	10 to 18	—	—
Superior .....	C	19 to 27	—	—

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CONTENTS—Continued

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LIST OF TABLES

[Tables 11 to 18 are shown if an area has 25,000 or more Negro population and tables 19 to 26 are shown if an area has 25,000 or more population of Spanish language]

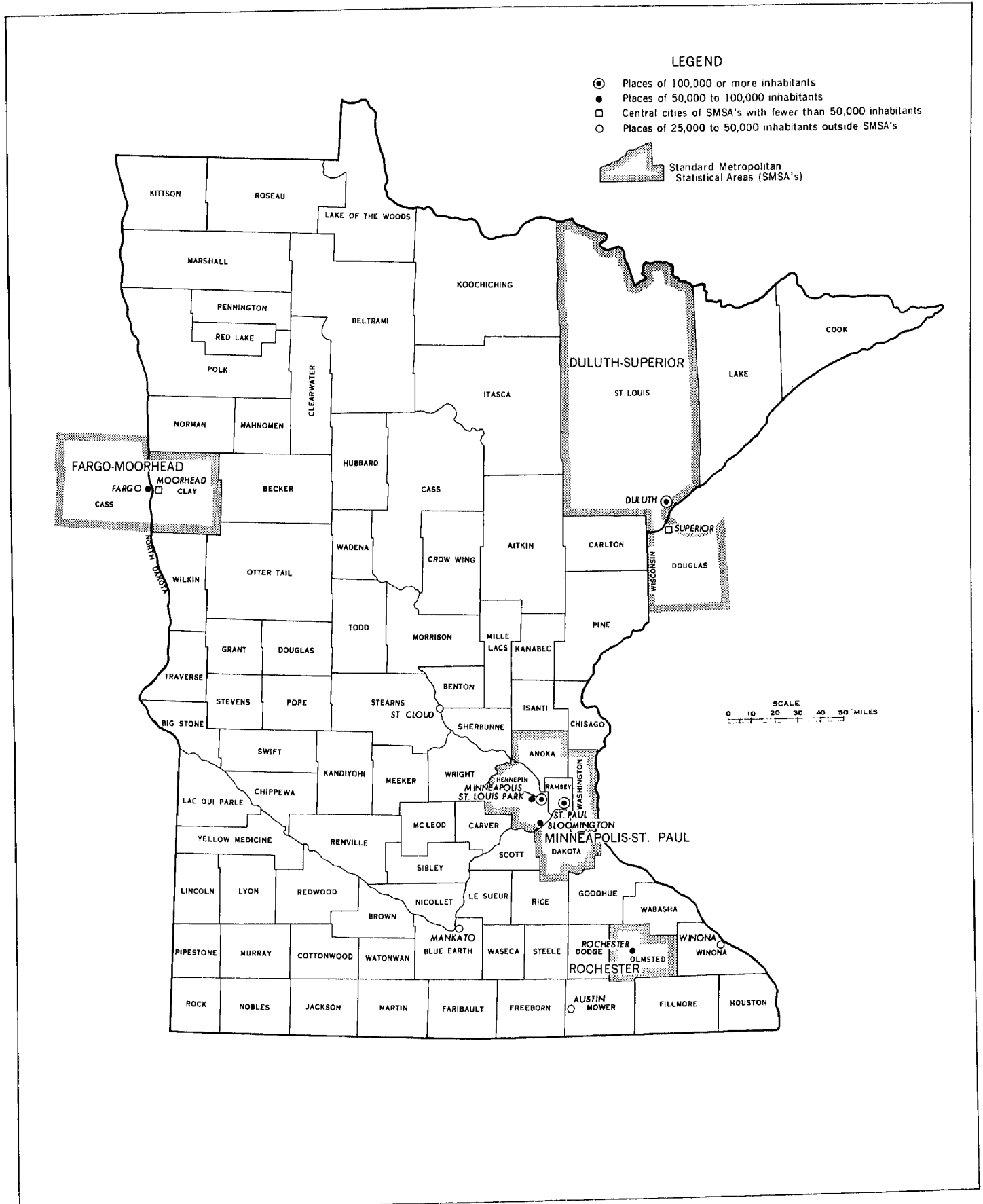
TABLE

1	Value of Owner Occupied Housing Units: 1970
2	Gross Rent of Renter Occupied Housing Units: 1970
3	Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970
4	Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units: 1970
5	Rooms in Owner and Renter Occupied Housing Units: 1970
6	Units in Structure for Owner and Renter Occupied Housing Units: 1970
7	Household Composition for Owner and Renter Occupied Housing Units: 1970
8	Persons in Owner and Renter Occupied Housing Units: 1970
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11	Value of Owner Occupied Housing Units With Negro Head of Household: 1970
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TABLE

15	Rooms in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
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19	Value of Owner Occupied Housing Units With Household Head of Spanish Language: 1970
20	Gross Rent of Renter Occupied Housing Units With Household Head of Spanish Language: 1970
21	Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
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23	Rooms in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
24	Units in Structure for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
25	Household Composition for Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970
26	Persons in Owner and Renter Occupied Housing Units With Household Head of Spanish Language: 1970

# Counties, Standard Metropolitan Statistical Areas, and Selected Places



**Table A-1. Value of Owner Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	Less than	\$5,000 to	\$7,500 to	\$10,000 to	\$12,500 to	\$15,000 to	\$20,000 to	\$25,000 to	\$35,000 to	\$50,000 or more	Median (dollars)
		\$5,000	\$7,499	\$9,999	\$12,499	\$14,999	\$19,999	\$24,999	\$34,999	\$49,999		
<b>Specified owner occupied<sup>1</sup></b>	<b>47 333</b>	<b>3 560</b>	<b>5 491</b>	<b>7 048</b>	<b>7 633</b>	<b>5 851</b>	<b>9 164</b>	<b>4 760</b>	<b>2 721</b>	<b>865</b>	<b>240</b>	<b>12 500</b>
<b>ROOMS</b>												
1 and 2 rooms	338	168	74	15	10	10	28	22	-	6	5	5 000
3 rooms	1 436	542	395	305	100	34	38	11	-	-	-	6 100
4 rooms	7 355	894	1 212	1 296	1 352	937	1 181	339	128	11	5	10 500
5 rooms	15 359	944	1 674	2 108	2 684	2 083	3 509	1 684	575	78	20	12 800
6 rooms	13 365	577	1 378	2 080	2 280	1 942	2 754	1 463	734	134	23	13 000
7 rooms	5 628	218	489	863	847	595	1 080	719	594	183	40	14 200
8 rooms or more	3 852	217	269	381	360	250	574	522	679	453	147	18 500
Median	5.4	4.7	5.1	5.4	5.4	5.4	5.5	5.7	6.4	7.5	7.5+	...
<b>PERSONS</b>												
1 person	6 082	1 102	1 224	1 177	941	535	637	248	181	32	5	9 000
2 persons	14 345	1 182	1 893	2 303	2 450	1 797	2 654	1 220	617	142	87	11 800
3 persons	7 410	437	860	1 146	1 163	848	1 364	848	442	125	58	12 800
4 persons	7 388	258	579	908	1 270	977	1 715	881	589	187	24	14 200
5 persons	5 653	245	412	710	795	752	1 374	754	421	156	34	14 700
6 persons or more	6 455	336	523	804	1 014	823	1 420	809	471	223	32	14 200
Median	2.9	2.1	2.3	2.5	2.9	3.1	3.4	3.6	3.7	4.2	3.0	...
Units with roomers, boarders, or lodgers	848	45	78	110	157	125	173	90	49	21	-	13 200
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	<b>45 899</b>	<b>2 684</b>	<b>5 266</b>	<b>6 919</b>	<b>7 555</b>	<b>5 819</b>	<b>9 139</b>	<b>4 751</b>	<b>2 721</b>	<b>865</b>	<b>240</b>	<b>12 800</b>
0.50 or less	23 068	1 578	3 108	3 878	3 911	2 795	3 864	1 997	1 324	425	188	11 900
0.51 to 1.00	19 490	907	1 744	2 510	3 054	2 558	4 531	2 437	1 306	396	47	14 000
1.01 to 1.50	3 014	194	301	468	565	403	693	313	81	33	-	12 400
1.51 or more	327	5	53	63	25	63	51	41	10	11	5	13 200
<b>Lacking some or all plumbing facilities</b>	<b>1 434</b>	<b>876</b>	<b>285</b>	<b>129</b>	<b>78</b>	<b>32</b>	<b>25</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5600-</b>
0.50 or less	899	562	179	72	78	32	14	5	-	-	-	5000-
0.51 to 1.00	397	220	84	35	27	16	11	4	-	-	-	5000-
1.01 to 1.50	82	55	9	18	-	-	-	-	-	-	-	...
1.51 or more	56	39	13	4	-	-	-	-	-	-	-	...
<b>BEDROOMS</b>												
None and 1	2 380	877	529	398	258	152	80	61	25	-	-	6 500
2	15 051	1 587	2 457	2 718	2 851	2 010	2 120	774	451	37	46	10 700
3	21 993	980	1 772	2 668	4 124	2 706	5 114	2 642	1 493	419	75	13 800
4 or more	8 204	279	637	915	963	947	1 741	1 242	933	427	120	15 900
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	374	5	16	9	15	10	36	110	107	55	11	24 400
1965 to 1968	1 614	42	36	37	105	86	327	350	400	183	48	22 500
1960 to 1964	2 921	56	102	111	157	221	841	789	482	133	29	19 800
1950 to 1959	10 044	205	323	554	1 244	1 445	3 264	1 800	929	224	56	17 000
1940 to 1949	4 282	260	307	445	652	722	1 588	484	188	36	30	14 200
1939 or earlier	28 098	2 992	4 707	5 892	5 460	3 362	3 538	1 227	615	234	66	10 200
<b>COMPLETE BATHROOMS</b>												
1 and 1 1/2	39 539	2 420	4 950	6 656	6 809	5 345	7 937	3 577	1 542	263	40	12 100
2 and 2 1/2	5 355	80	190	329	565	454	1 165	1 093	927	441	111	19 500
3 or more	520	7	-	-	11	5	49	38	163	157	90	34 000
None or also used by another household	1 880	1 025	401	193	113	72	30	39	7	-	-	5000-
<b>HOUSEHOLD COMPOSITION</b>												
<b>Two-or-more-person households</b>	<b>41 251</b>	<b>2 458</b>	<b>4 267</b>	<b>5 871</b>	<b>6 692</b>	<b>5 316</b>	<b>8 527</b>	<b>4 512</b>	<b>2 540</b>	<b>833</b>	<b>235</b>	<b>13 100</b>
Male head, wife present, no nonrelatives	36 218	1 928	3 390	4 956	5 951	4 819	7 719	4 129	2 354	763	209	13 500
Under 25 years	610	65	35	91	132	135	102	35	11	-	-	12 200
25 to 34 years	5 455	192	466	717	894	795	1 346	608	344	78	15	13 900
35 to 44 years	7 783	243	485	907	1 085	985	1 836	1 212	722	267	41	15 500
45 to 64 years	16 554	817	1 543	2 205	2 814	2 211	3 542	1 874	1 067	380	101	13 500
65 years and over	5 816	611	861	1 036	1 026	693	893	400	210	38	48	11 000
Other male head	1 663	193	300	288	247	151	325	97	37	20	5	10 500
Under 65 years	1 270	123	225	195	199	143	264	74	26	16	5	11 200
65 years and over	393	70	75	93	48	8	61	23	11	4	-	8 900
Female head	3 370	337	577	627	494	346	483	286	149	50	21	10 700
Under 65 years	2 389	235	390	450	294	243	385	227	125	35	5	11 000
65 years and over	981	102	187	177	200	103	98	59	24	15	16	10 300
<b>One-person households</b>	<b>6 082</b>	<b>1 102</b>	<b>1 224</b>	<b>1 177</b>	<b>941</b>	<b>535</b>	<b>637</b>	<b>248</b>	<b>181</b>	<b>32</b>	<b>5</b>	<b>9 000</b>
Under 65 years	2 439	441	484	465	367	217	254	103	86	17	5	9 100
65 years and over	3 643	661	740	712	574	318	383	145	95	15	-	9 000
<b>INCOME IN 1969</b>												
Less than \$2,000	4 035	801	842	734	614	331	392	178	117	26	-	8 800
\$2,000 to \$2,999	2 790	513	533	553	531	202	306	88	47	17	-	9 100
\$3,000 to \$3,999	2 310	321	401	437	418	273	292	112	45	11	-	10 000
\$4,000 to \$4,999	2 073	254	400	412	374	209	244	77	68	35	-	9 800
\$5,000 to \$5,999	2 021	250	371	427	287	262	274	89	45	16	-	9 800
\$6,000 to \$6,999	2 662	315	439	489	493	300	387	158	75	6	-	10 400
\$7,000 to \$9,999	11 442	659	1 471	2 123	2 227	1 691	2 233	730	269	30	9	11 600
\$10,000 to \$14,999	13 356	343	815	1 536	2 159	2 002	3 551	1 656	879	172	43	14 800
\$15,000 to \$24,999	5 500	93	178	302	501	513	1 375	1 300	879	267	72	19 200
\$25,000 or more	1 144	11	41	35	29	68	110	172	297	265	116	28 600
Median	\$9 000	\$4 600	\$6 500	\$7 700	\$8 500	\$9 400	\$10 600	\$12 600	\$14 000	\$19 200	\$24 400	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	3 175	202	246	406	478	357	573	416	327	149	21	14 300
1968	2 831	146	283	286	375	413	591	351	268	98	20	14 500
1967	2 478	133	270	194	362	282	589	303	264	62	19	15 000
1965 and 1966	4 370	292	357	583	602	518	925	639	321	99	34	14 200
1960 to 1964	7 909	468	702	1 036	1 102	973	1 805	1 044	559	161	39	14 200
1950 to 1959	14 147	1 053	1 480	1 946	2 024	2 002	3 073	1 576	691	249	53	13 200
1949 or earlier	12 384	1 238	2 203	2 727	2 555	1 331	1 625	398	209	43	55	10 000
<b>HEATING EQUIPMENT</b>												
Steam or hot water	11 690	260	899	1 425	1 848	1 293	2 517	1 692	1 161	471	124	15 200
Warm-air furnace	30 487	1 343	3 163	5 019	5 420	4 341	6 386	2 890	1 457	370	98	12 700
Built-in electric units	439	22	42	25	66	36	67	78	30	17	18	17 900
Floor, wall, or pipeless furnace	567	191	201	96	42	21	11	-	5	-	-	6 200
Other means	4 150	1 744	1 186	483	257	160	183	100	30	7	-	5 700
None	-	-	-	-	-	-	-	-	-	-	-	-
<b>AIR CONDITIONING</b>												
Room unit(s)	1 022	8	50	116	157	144	231	147	124	45	-	15 700
Central system	434	14	59	58								

Table A-2. Gross Rent of Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	21 750	3 389	1 548	1 900	2 280	4 597	2 681	2 137	1 166	352	63	1 637	84
<b>ROOMS</b>													
1 room	2 210	1 440	202	151	112	113	43	10	16	12	5	106	50-
2 rooms	2 140	700	339	285	220	259	110	70	9	24	-	124	59
3 rooms	4 362	605	460	540	601	1 113	453	298	132	14	-	146	78
4 rooms	5 372	375	360	535	642	1 322	689	638	354	87	16	354	88
5 rooms	4 516	212	121	287	504	1 198	815	567	308	77	15	412	95
6 rooms	2 167	47	51	66	151	469	400	436	237	44	5	261	108
7 rooms	619	10	15	26	34	105	131	86	60	52	6	94	111
8 rooms or more	364	-	-	10	16	18	40	32	50	42	16	140	146
Median	3.8	1.9	3.0	3.5	3.8	4.1	4.6	4.6	4.7	5.0	...	4.7	...
<b>PERSONS</b>													
1 person	8 628	2 814	1 016	973	849	1 286	471	404	199	67	20	529	62
2 persons	5 886	316	317	498	703	1 616	925	646	367	76	16	406	90
3 persons	3 084	132	116	184	378	886	523	413	176	63	-	213	94
4 persons	2 071	41	43	102	166	471	342	399	209	41	16	241	105
5 persons	1 082	39	31	91	91	193	109	134	59	5	5	134	103
6 persons or more	999	47	25	52	93	145	224	166	81	46	6	114	107
Median	1.9	1.1	1.3	1.5	1.9	2.1	2.4	2.5	2.6	3.0	...	2.2	...
Units with roomers, boarders, or lodgers	660	18	16	61	105	133	126	99	46	18	5	33	97
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	18 391	1 456	1 121	1 613	2 107	4 485	2 603	2 107	1 138	340	63	1 358	89
0.50 or less	9 883	1 009	753	1 000	1 117	2 314	1 167	1 019	529	167	41	767	85
0.51 to 1.00	7 612	395	329	542	866	2 016	1 239	990	544	138	22	531	94
1.01 to 1.50	740	52	28	56	79	130	177	88	65	17	-	48	100
1.51 or more	156	-	11	15	45	25	20	10	-	18	-	12	81
<b>Lacking some or all plumbing facilities</b>	3 359	1 933	427	287	173	112	78	30	28	12	-	279	50-
0.50 or less	1 267	534	277	127	95	47	24	20	22	-	-	121	51
0.51 to 1.00	1 950	1 367	126	160	59	47	43	10	6	12	-	120	50-
1.01 to 1.50	35	-	3	-	5	13	-	-	-	-	-	14	...
1.51 or more	107	32	21	-	14	5	11	-	-	-	-	24	...
<b>BEDROOMS</b>													
None	2 807	1 435	363	226	310	183	106	46	25	-	-	113	50-
1	7 703	1 245	844	1 009	1 092	1 741	617	528	248	52	-	327	75
2	7 331	423	308	740	820	1 718	1 122	988	506	125	24	557	91
3 or more	3 944	181	83	124	288	674	761	632	347	138	-	716	107
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	358	129	6	15	5	-	5	29	91	36	23	19	130
1965 to 1968	494	22	22	21	32	44	32	92	131	37	5	56	135
1960 to 1964	741	156	16	55	71	67	73	104	45	13	-	141	61
1950 to 1959	1 958	263	93	148	159	267	193	233	142	55	14	391	89
1940 to 1949	1 041	125	45	70	56	172	169	137	70	37	10	150	98
1939 or earlier	17 158	2 694	1 366	1 591	1 957	4 047	2 209	1 542	687	174	11	880	82
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	1 173	222	131	85	66	300	121	155	69	-	24	-	86
With elevator	445	127	-	24	43	-	44	134	49	-	24	-	113
Walk-up	728	95	131	61	23	300	77	21	20	-	-	-	84
1 to 3 floors	20 612	3 062	1 467	2 014	2 444	4 016	2 485	2 039	1 057	315	-	1 713	82
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	17 631	1 418	1 059	1 502	2 010	4 445	2 580	1 988	1 130	318	26	1 155	89
2 or more	465	37	-	-	6	63	28	52	39	43	46	131	128
None or also used by another household	3 711	2 027	434	357	214	190	92	56	33	13	-	295	50-
<b>INCOME IN 1969</b>													
Less than \$2,000	5 374	1 843	626	504	492	778	288	242	115	52	-	434	60
\$2,000 to \$2,999	2 322	468	252	297	329	447	239	150	27	13	-	100	73
\$3,000 to \$3,999	2 217	327	182	239	296	454	311	206	79	4	-	119	80
\$4,000 to \$4,999	1 639	190	122	191	187	426	220	123	98	-	-	82	83
\$5,000 to \$5,999	1 571	147	95	154	192	365	223	177	71	20	-	127	87
\$6,000 to \$6,999	1 571	115	74	136	175	442	193	193	103	28	-	112	89
\$7,000 to \$9,999	3 870	246	123	253	374	986	738	531	263	44	-	312	96
\$10,000 to \$14,999	2 437	47	57	93	208	574	403	403	291	78	24	259	105
\$15,000 to \$24,999	606	-	10	22	27	119	66	88	99	72	17	86	125
\$25,000 or more	143	6	7	11	-	6	-	24	20	41	22	6	186
Median	\$4 500	\$2 000-	\$2 600	\$3 600	\$4 100	\$5 500	\$6 300	\$6 900	\$8 000	\$11 000	...	\$5 700	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	9 174	1 198	502	679	892	1 951	1 336	1 159	652	203	64	538	90
1968	2 964	381	184	312	295	754	356	273	195	56	8	150	86
1967	1 791	250	127	180	188	363	300	148	110	15	-	110	85
1965 and 1966	2 140	399	190	163	223	459	210	206	152	32	-	106	81
1960 to 1964	2 687	569	229	305	280	615	269	191	35	29	-	165	76
1950 to 1959	1 901	437	184	140	235	329	132	82	41	39	-	282	72
1949 or earlier	1 150	231	114	80	117	227	97	37	17	-	-	230	73
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	2 147	667	213	270	268	458	117	80	33	35	6	...	67
10 to 14 percent	3 390	368	205	321	476	1 038	502	309	128	33	10	...	86
15 to 19 percent	3 228	436	154	280	269	780	604	417	232	50	6	...	92
20 to 24 percent	2 154	309	164	180	219	470	313	290	174	30	5	...	88
25 to 34 percent	2 989	545	222	270	349	568	366	349	229	68	23	...	83
35 percent or more	5 851	955	559	529	674	1 211	764	662	352	132	13	...	83
Not computed	1 991	109	31	50	25	72	15	30	18	4	-	1 637	67
<b>AIR CONDITIONING</b>													
Room unit(s)	434	21	53	13	12	91	53	42	52	21	15	61	99
Central system	109	8	7	16	13	-	6	-	-	8	38	13	...
None	21 264	3 436	1 470	1 830	2 205	4 607	2 641	2 054	1 150	345	19	1 507	84

<sup>1</sup>Excludes one-family homes on 10 acres or more.



Table A-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA												Median (dollars)
	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	
<b>Owner occupied housing units</b> .....	61 786	6 058	3 813	3 254	2 825	2 791	3 637	15 245	16 475	6 423	1 265	8 700
<b>ROOMS</b>												
1 and 2 rooms.....	720	211	109	85	49	24	29	110	80	23	-	3 500
2 rooms.....	2 699	774	416	274	196	211	152	429	192	40	15	3 600
3 rooms.....	11 497	1 573	1 007	819	706	659	926	3 165	2 116	481	45	7 100
4 rooms.....	19 779	1 699	1 191	1 084	870	847	1 158	5 353	5 623	1 756	199	8 700
5 rooms.....	15 766	1 108	704	681	596	610	905	3 929	5 024	1 978	231	9 500
6 rooms.....	11 325	693	386	311	408	440	467	2 259	3 440	2 146	775	11 000
7 rooms or more.....												
<b>PERSONS</b>												
1 person.....	8 627	3 818	1 477	898	441	523	344	694	334	64	34	2 300
2 persons.....	19 079	1 593	1 854	1 828	1 589	1 145	1 357	4 463	3 721	1 243	286	7 100
3 and 4 persons.....	18 798	469	376	366	541	522	1 222	5 567	6 531	2 531	440	10 100
5 persons.....	7 021	98	32	95	154	174	304	2 226	2 685	1 070	183	10 800
6 persons or more.....	8 261	80	74	67	100	100	410	2 295	3 204	1 515	322	11 400
Units with roomers, boarders, or lodgers.....	1 236	178	68	95	104	70	54	305	257	93	12	7 500
<b>BEDROOMS</b>												
less than 3.....	25 386	4 154	2 063	2 189	1 340	1 676	1 691	6 465	4 406	1 148	254	6 800
3.....	26 437	1 679	1 100	978	996	1 159	1 421	6 968	8 370	3 388	378	9 500
4 or more.....	10 056	520	227	254	348	397	286	2 220	3 164	2 034	606	11 200
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970.....	884	38	38	44	53	39	56	219	273	114	10	9 400
1960 to 1968.....	7 276	480	182	224	195	272	419	1 808	2 467	1 010	219	10 100
1950 to 1959.....	11 561	596	450	386	298	351	557	2 959	3 877	1 763	324	10 200
1949 or earlier.....	42 065	4 944	3 143	2 600	2 279	2 129	2 605	10 259	9 858	3 536	712	8 000
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970.....	4 962	257	141	201	262	273	367	1 439	1 452	430	140	9 000
1968.....	3 745	132	110	135	140	213	214	1 093	1 177	467	64	9 500
1960 to 1967.....	18 745	1 111	581	538	456	641	1 096	5 423	6 140	2 278	481	9 700
1959 or earlier.....	34 332	4 502	3 066	2 359	1 970	1 525	2 024	7 198	7 937	3 151	600	7 700
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine.....	41 537	2 602	1 353	1 810	1 409	1 896	2 168	10 654	12 646	5 884	1 115	9 700
Clothes dryer.....	35 432	1 565	926	1 106	1 041	1 357	1 751	9 356	11 789	5 551	990	10 300
Dishwasher.....	9 483	213	141	143	210	309	262	1 584	3 188	2 667	766	12 900
Home food freezer.....	26 766	1 429	1 021	1 035	955	1 129	1 156	7 090	8 529	3 707	715	9 800
Owned second home.....	8 495	543	231	438	300	307	347	2 049	2 479	1 408	393	10 100
With air conditioning.....	1 862	140	109	87	82	103	107	346	507	283	98	9 600
Room unit(s).....	1 275	102	37	44	49	70	67	254	376	216	60	10 200
Central system.....	587	38	72	43	33	33	40	92	131	67	38	8 100
Automobiles available:												
1.....	34 033	2 646	2 278	2 223	2 021	1 795	2 415	9 558	8 558	2 227	312	8 100
2.....	17 688	346	286	212	326	458	919	4 510	6 851	3 024	756	11 300
3 or more.....	2 999	41	28	35	21	50	46	528	1 020	1 026	204	13 700
<b>Renter occupied housing units</b> .....	22 558	5 553	2 390	2 269	1 695	1 614	1 678	4 054	2 545	617	143	4 600
<b>ROOMS</b>												
1 room.....	2 259	1 144	336	231	151	107	81	136	57	10	6	2 000
2 rooms.....	2 155	909	357	238	116	103	109	238	53	20	12	2 500
3 rooms.....	4 528	1 352	573	326	175	375	287	637	394	52	25	3 700
4 rooms.....	5 526	1 084	485	571	535	405	512	1 725	609	163	37	5 200
5 rooms.....	4 645	697	446	422	350	383	345	1 064	760	138	38	6 100
6 rooms or more.....	3 445	367	193	300	217	239	344	854	672	234	25	7 200
<b>PERSONS</b>												
1 person.....	8 845	4 166	1 260	897	529	544	346	687	292	69	55	2 200
2 persons.....	6 057	881	667	754	489	446	513	1 200	834	231	42	5 500
3 and 4 persons.....	5 356	420	360	478	461	433	521	1 495	951	201	36	7 000
5 persons.....	1 147	46	51	78	92	62	139	329	277	63	10	8 000
6 persons or more.....	1 153	40	52	62	124	129	159	343	191	53	-	7 100
Units with roomers, boarders, or lodgers.....	673	246	134	86	40	28	20	74	34	6	5	2 700
<b>BEDROOMS</b>												
None.....	2 853	1 361	403	342	221	67	140	230	89	-	-	2 200
1.....	7 885	2 325	1 091	1 019	659	492	435	1 167	568	84	45	3 500
2.....	7 538	1 218	719	666	637	551	694	1 500	1 194	290	69	6 000
3 or more.....	4 320	477	215	425	219	413	327	1 050	899	295	-	7 200
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970.....	362	109	53	16	12	19	27	39	31	40	16	4 300
1960 to 1968.....	1 270	300	111	121	89	82	89	202	183	77	16	5 200
1950 to 1959.....	2 071	381	178	183	166	171	203	356	317	96	20	5 700
1949 or earlier.....	18 855	4 763	2 048	1 949	1 428	1 342	1 359	3 457	2 014	404	91	4 500
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970.....	9 410	2 103	1 007	1 042	828	694	777	1 716	923	239	81	4 700
1968.....	3 077	583	349	226	209	271	283	602	422	104	28	5 600
1960 to 1967.....	6 861	1 849	738	643	363	485	497	1 300	777	176	33	4 600
1959 or earlier.....	3 212	1 141	326	297	288	181	163	402	327	78	9	3 500
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied:	21 750	5 374	2 322	2 217	1 639	1 571	1 571	3 870	2 437	666	143	4 600
Less than 15 percent.....	5 537	16	72	196	242	323	468	1 930	1 707	452	131	9 300
15 to 19 percent.....	3 228	114	191	236	288	414	518	1 071	339	51	6	6 700
20 to 24 percent.....	2 154	156	219	340	411	352	210	396	65	5	-	4 900
25 to 34 percent.....	2 989	529	599	710	438	284	221	142	61	7	-	3 500
35 percent or more.....	5 851	3 771	1 141	616	178	77	42	19	6	-	-	2 000-
Not computed.....	1 991	788	100	119	82	127	112	312	259	86	6	3 900
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine.....	7 414	795	355	772	415	500	731	1 775	1 546	454	71	7 200
Clothes dryer.....	4 727	544	113	388	202	305	525	1 188	1 077	335	50	7 700
Dishwasher.....	1 164	24	25	61	-	88	98	373	254	222	19	9 300
Home food freezer.....	2 287	229	121	82	164	122	118	607	638	206	-	8 500
Owned second home.....	1 499	259	41	92	88	86	99	412	314	58	50	7 600
With air conditioning.....	543	72	48	43	48	50	41	66	95	51	29	6 300
Room unit(s).....	434	56	42	27	28	50	41	66	8	21	15	6 300
Central system.....	109	16	6	-	20	-	-	-	7	30	14	...
Automobiles available:												
1.....	11 268	1 322	861	1 020	953	1 043	1 236	2 867	1 553	351	62	6 400
2.....	2 307	137	84	92	143	132	204	650	637	172	56	8 700
3 or more.....	360	34	23	31	15	48	17	79	81	25	7	7 500

\*Excludes one-family homes on 10 acres or more.

Table A-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	With all plumbing facilities					Lacking some or all plumbing facilities					
	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	
<b>Owner occupied housing units</b>	61 786	58 436	29 460	24 347	4 100	529	3 350	1 801	1 123	254	172
<b>PERSONS</b>											
1 person	8 627	7 469	7 433	36	-	-	1 158	1 069	89	-	-
2 persons	19 079	18 090	17 053	1 018	-	19	989	663	312	-	14
3 persons	9 471	9 095	3 939	5 132	4	20	376	65	294	17	-
4 persons	9 327	9 042	795	8 130	87	30	285	4	231	30	20
5 persons	7 021	6 804	240	6 025	49	43	217	-	122	72	23
6 persons or more	8 261	7 936	-	4 006	3 513	417	325	-	75	135	115
Median	2.8	2.9	1.9	4.2	6.7	7.5+	2.0	1.3	3.0	5.6	6.9
Units with roomers, boarders, or lodgers	1 236	1 172	463	542	153	14	64	16	39	-	9
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	913	895	353	470	39	33	18	-	11	-	7
1965 to 1968	3 293	3 140	1 055	1 803	244	38	153	48	68	30	7
1960 to 1964	3 929	3 736	1 365	1 923	385	63	193	105	46	11	31
1950 to 1959	11 507	11 077	4 280	5 539	1 132	126	430	159	207	28	36
1940 to 1949	5 346	4 944	2 521	2 017	359	47	402	206	145	31	20
1939 or earlier	36 796	34 584	19 763	12 587	2 011	223	2 212	1 286	712	153	61
<b>INCOME IN 1969</b>											
Less than \$2,000	6 058	5 069	4 466	564	39	-	989	783	198	4	4
\$2,000 to \$2,999	3 813	3 405	2 940	435	30	-	408	254	123	11	20
\$3,000 to \$3,999	3 254	3 030	2 519	471	37	3	224	122	74	18	10
\$4,000 to \$4,999	2 825	2 613	1 930	625	33	25	212	94	80	32	6
\$5,000 to \$5,999	2 791	2 586	1 677	772	117	20	205	90	62	38	15
\$6,000 to \$6,999	3 637	3 380	1 760	1 342	255	23	257	115	101	21	20
\$7,000 to \$9,999	15 245	14 503	5 766	7 195	1 337	205	742	272	301	107	62
\$10,000 to \$14,999	16 475	16 215	5 600	8 838	1 619	158	260	55	153	23	29
\$15,000 to \$24,999	6 423	6 376	2 178	3 548	570	80	47	10	31	-	6
\$25,000 or more	1 265	1 259	624	557	63	15	6	6	-	-	-
Median	\$8 700	\$8 900	\$6 700	\$10 400	\$10 600	\$9 800	\$4 300	\$2 500	\$6 200	\$7 100	\$7 500
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup>	47 333	45 899	23 068	19 490	3 014	327	1 434	899	397	82	56
Less than 1.5	22 780	22 046	8 680	11 177	2 018	171	734	379	235	69	51
1.5 to 1.9	8 753	8 571	3 731	4 217	559	64	182	106	72	4	-
2.0 to 2.4	4 603	4 542	2 249	1 968	265	60	61	51	5	5	-
2.5 to 2.9	2 613	2 496	1 588	847	49	12	117	79	34	4	-
3.0 to 3.9	2 833	2 729	2 052	596	75	6	104	74	25	-	5
4.0 or more	5 391	5 186	4 531	598	43	14	205	189	16	-	-
Not computed	360	329	237	87	5	-	31	21	10	-	-
<b>HEATING EQUIPMENT</b>											
Steam or hot water	14 409	14 228	7 888	5 518	692	130	181	98	78	5	-
Warm-air furnace	39 059	38 136	18 371	16 562	2 878	325	923	477	305	83	58
Built-in electric units	630	620	300	259	36	5	10	6	4	-	-
Floor, wall, or pipeless furnace	1 002	868	111	378	60	19	134	81	38	9	6
Other means	6 682	4 584	2 490	1 620	434	40	2 098	1 139	698	153	108
None	4	-	-	-	-	-	4	-	-	4	-
<b>Renter occupied housing units</b>	22 558	18 891	10 087	7 833	808	163	3 667	1 408	2 063	67	129
<b>PERSONS</b>											
1 person	8 845	5 957	5 460	497	-	-	2 888	1 258	1 630	-	-
2 persons	6 057	5 590	3 852	1 724	-	14	467	146	268	-	53
3 persons	3 185	3 072	666	2 361	31	14	113	4	92	3	14
4 persons	2 171	2 092	90	1 946	29	27	79	-	48	21	16
5 persons	1 147	1 101	19	921	138	23	46	-	10	14	22
6 persons or more	1 153	1 079	-	384	610	85	74	-	15	29	30
Median	1.9	2.1	1.4	3.2	6.4	5.9	1.1	1.1	1.1	...	3.3
Units with roomers, boarders, or lodgers	673	602	263	289	39	11	71	10	41	-	20
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	365	357	278	79	-	-	8	-	8	-	-
1965 to 1968	454	411	189	196	15	11	43	18	25	-	-
1960 to 1964	763	730	378	335	17	-	33	19	-	-	14
1950 to 1959	2 072	1 922	685	1 048	152	37	150	25	108	10	7
1940 to 1949	1 079	992	397	521	69	5	87	52	14	14	7
1939 or earlier	17 827	14 489	8 204	5 682	525	78	3 338	1 233	1 928	54	123
<b>INCOME IN 1969</b>											
Less than \$2,000	5 553	3 762	2 914	794	39	15	1 791	722	1 033	8	28
\$2,000 to \$2,999	2 390	1 849	1 219	574	46	10	541	193	330	-	18
\$3,000 to \$3,999	2 289	1 877	1 105	718	43	11	392	156	204	12	20
\$4,000 to \$4,999	1 495	1 423	660	675	82	6	272	86	163	15	8
\$5,000 to \$5,999	1 614	1 446	710	655	56	25	168	58	81	12	17
\$6,000 to \$6,999	1 678	1 559	644	796	105	14	119	33	79	7	-
\$7,000 to \$9,999	4 054	3 750	1 485	1 931	286	48	304	131	136	5	32
\$10,000 to \$14,999	2 545	2 471	959	1 373	116	23	74	23	37	8	6
\$15,000 to \$24,999	617	611	300	265	35	11	6	6	-	-	-
\$25,000 or more	143	143	91	52	-	-	6	-	-	-	-
Median	\$4 600	\$5 400	\$3 800	\$6 600	\$7 300	\$7 000	\$2 100	\$2 000	\$2 000	...	\$3 900
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup>	21 750	18 391	9 883	7 612	740	156	3 359	1 267	1 950	35	107
Less than 10 percent	2 147	1 727	795	813	102	17	420	101	298	-	21
10 to 14 percent	3 390	3 014	1 305	1 528	140	41	376	163	213	-	-
15 to 19 percent	3 228	2 826	1 112	1 522	160	32	402	104	284	5	9
20 to 24 percent	2 154	1 845	936	777	114	18	309	88	204	8	9
25 to 34 percent	2 989	2 479	1 369	1 003	90	17	510	180	301	-	29
35 percent or more	5 851	4 870	3 417	1 363	71	19	981	500	458	8	15
Not computed	1 991	1 630	949	606	63	12	361	131	192	14	24
<b>HEATING EQUIPMENT</b>											
Steam or hot water	10 906	8 540	5 173	3 158	188	21	2 366	833	1 489	3	41
Warm-air furnace	8 164	7 643	3 590	3 495	474	84	521	231	240	8	42
Built-in electric units	220	213	102	107	4	-	7	7	-	-	-
Floor, wall, or pipeless furnace	297	292	127	141	24	-	5	-	-	5	-
Other means	2 971	2 203	1 095	932	118	58	768	337	334	51	46
None	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table A-5. Rooms in Owner and Renter Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

**The SMSA**

	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b> .....	61 786	221	499	2 699	11 497	19 779	15 766	6 811	4 514	5.3
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	57 544	96	202	1 928	10 280	18 697	14 986	6 943	4 412	5.4
<b>PERSONS</b> .....										
1 person.....	8 627	125	302	1 140	2 439	2 259	1 548	568	246	4.6
2 persons.....	19 079	33	134	1 196	5 011	6 591	3 989	1 353	772	5.0
3 persons.....	9 471	20	21	156	2 035	3 235	2 536	1 028	440	5.3
4 persons.....	9 327	24	26	117	1 118	3 375	2 752	1 116	799	5.5
5 persons.....	7 021	9	5	52	568	2 388	2 266	1 039	694	5.7
6 persons or more.....	8 261	10	11	38	326	1 931	2 675	1 707	1 563	6.2
Median.....	2.8	1.4	1.3	1.7	2.2	2.8	3.4	3.9	4.5	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b> .....										
<b>With all plumbing facilities</b> .....	58 436	113	206	2 004	10 545	19 063	15 385	6 667	4 453	5.4
0.50 or less.....	29 460	-	104	827	6 874	8 467	7 872	2 864	2 452	5.3
0.51 to 1.00.....	24 347	36	87	1 052	2 918	8 735	6 285	3 366	1 868	5.4
1.01 to 1.50.....	4 100	-	4	87	666	1 606	1 181	427	129	5.3
1.51 or more.....	3 529	77	11	38	97	255	47	10	4	4.7
<b>Lacking some or all plumbing facilities</b> .....	3 350	108	293	695	952	716	381	144	61	4.1
0.50 or less.....	1 801	-	198	313	576	383	201	85	45	4.2
0.51 to 1.00.....	1 123	89	47	300	235	263	132	41	16	4.0
1.01 to 1.50.....	254	17	17	30	96	54	43	14	-	4.3
1.51 or more.....	172	19	31	52	45	16	5	4	-	3.2
<b>BEDROOMS</b> .....										
None and 1.....	4 232	194	269	2 046	1 304	358	43	-	18	3.3
2.....	21 154	-	-	463	9 944	8 884	1 519	238	106	4.5
3.....	26 437	-	-	-	570	10 583	12 013	2 626	645	5.7
4 or more.....	10 056	-	-	-	-	306	2 677	3 252	3 821	7.1
<b>YEAR STRUCTURE BUILT</b> .....										
1969 to March 1970.....	884	4	26	39	270	290	121	90	44	4.9
1960 to 1968.....	7 276	50	110	279	1 788	2 651	1 327	531	540	5.0
1950 to 1959.....	11 561	11	88	352	2 476	5 085	2 154	904	491	5.1
1949 or earlier.....	42 065	156	275	2 029	6 963	11 753	12 164	5 286	3 439	5.5
<b>COMPLETE BATHROOMS</b> .....										
1 and 1 1/2.....	50 912	84	212	1 884	9 873	17 378	13 345	5 508	2 628	5.3
2 or more.....	6 690	21	-	50	433	1 326	1 641	1 435	1 784	6.4
None or also used by another household.....	4 182	133	352	808	1 123	997	522	176	71	4.2
<b>VALUE-INCOME RATIO</b> .....										
Specified owner occupied <sup>1</sup> .....	47 333	121	217	1 436	7 355	15 359	13 365	5 628	3 852	5.4
Less than 1.5.....	22 780	49	105	619	3 343	6 974	6 835	2 897	1 958	5.5
1.5 to 1.9.....	8 753	25	29	212	1 159	3 119	2 485	1 066	658	5.4
2.0 to 2.9.....	7 216	14	25	226	1 136	2 462	1 876	864	613	5.4
3.0 or more.....	8 224	29	47	356	1 642	2 712	2 090	760	588	5.3
Not computed.....	360	4	11	23	75	92	79	41	35	5.2
<b>Renter occupied housing units</b> .....	22 558	2 259	2 155	4 528	5 526	4 645	2 304	721	420	3.9
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	18 331	330	1 177	3 920	5 128	4 418	2 304	672	382	4.2
<b>PERSONS</b> .....										
1 person.....	8 845	2 127	1 739	2 457	1 457	740	223	47	55	2.7
2 persons.....	6 057	67	361	1 631	1 970	1 487	410	100	31	4.0
3 persons.....	3 185	28	34	339	1 171	943	457	143	70	4.5
4 persons.....	2 171	27	10	50	686	734	450	124	90	4.9
5 persons.....	1 147	5	11	29	152	423	345	102	80	5.4
6 persons or more.....	1 153	5	-	22	90	318	419	205	94	5.8
Median.....	1.9	1.0	1.1	1.4	2.2	2.6	3.6	4.1	4.1	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b> .....										
<b>With all plumbing facilities</b> .....	18 891	547	1 280	3 991	5 220	4 463	2 265	705	420	4.2
0.50 or less.....	10 087	-	970	2 146	3 236	2 108	1 072	290	265	4.1
0.51 to 1.00.....	7 833	497	262	1 784	1 763	2 053	948	354	152	4.3
1.01 to 1.50.....	808	-	31	29	181	270	233	61	3	5.1
1.51 or more.....	163	50	17	32	17	32	12	-	-	3.0
<b>Lacking some or all plumbing facilities</b> .....	3 667	1 712	875	537	306	182	39	16	-	1.6
0.50 or less.....	1 408	-	769	311	191	119	18	-	-	2.4
0.51 to 1.00.....	2 063	1 630	99	186	74	47	21	6	-	1.1
1.01 to 1.50.....	67	3	21	29	10	-	-	4	-	...
1.51 or more.....	129	82	4	19	12	6	-	6	-	1.3
<b>BEDROOMS</b> .....										
None.....	2 853	2 379	455	19	-	-	-	-	-	1.1
1.....	7 885	-	1 864	4 278	1 532	192	19	-	-	3.0
2.....	7 538	-	-	209	3 766	3 259	267	37	-	4.4
3 or more.....	4 320	-	-	-	59	1 203	1 977	707	374	6.0
<b>YEAR STRUCTURE BUILT</b> .....										
1969 to March 1970.....	362	14	57	154	101	26	-	10	-	3.2
1960 to 1968.....	1 270	114	188	211	444	200	84	-	29	3.8
1950 to 1959.....	2 071	124	115	419	610	536	195	25	47	4.1
1949 or earlier.....	18 855	2 007	1 795	3 744	4 371	3 883	2 025	686	344	3.9
<b>COMPLETE BATHROOMS</b> .....										
1 and 1 1/2.....	18 048	446	1 206	3 941	5 057	4 362	2 195	567	274	4.2
2 or more.....	492	13	6	12	71	62	109	105	114	6.3
None or also used by another household.....	4 020	1 793	891	607	429	201	47	26	26	1.7
<b>GROSS RENT AS PERCENTAGE OF INCOME</b> .....										
Specified renter occupied <sup>2</sup> .....	21 750	2 210	2 140	4 362	5 372	4 516	2 167	619	364	3.9
Less than 10 percent.....	2 147	333	164	375	529	465	183	77	21	3.9
10 to 14 percent.....	3 390	236	281	689	889	753	409	86	47	4.1
15 to 19 percent.....	3 228	363	196	600	902	721	318	73	55	4.0
20 to 24 percent.....	2 154	203	190	394	539	463	289	50	26	4.0
25 to 34 percent.....	2 989	350	329	611	693	602	275	82	47	3.8
35 percent or more.....	5 851	557	840	1 475	1 382	1 029	393	151	24	3.5
Not computed.....	1 991	168	140	218	438	483	300	100	144	4.6

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
All occupied housing units	61 786	53 590	3 885	2 311	22 558	5 909	4 992	3 747	3 149	1 904	2 608	249
<b>ROOMS</b>												
1 room	221	186	35	-	2 259	173	48	105	369	510	1 012	42
2 rooms	499	380	23	96	2 155	183	156	353	495	381	561	28
3 rooms	2 699	2 009	438	252	4 528	693	812	908	968	528	576	43
4 rooms	11 497	9 011	1 219	1 267	5 526	1 204	1 738	1 082	740	343	342	77
5 rooms	19 779	17 928	1 248	603	4 645	1 378	1 641	1 011	382	75	97	61
6 rooms	15 766	15 127	567	72	2 304	1 321	518	243	157	50	15	-
7 rooms	6 811	6 619	171	21	721	597	58	20	34	12	-	-
8 rooms or more	4 514	4 330	184	-	420	360	21	25	4	5	-	-
Median	5.3	5.4	4.7	4.1	3.9	5.0	4.4	4.0	3.2	2.6	2.0	3.7
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	58 436	52 543	3 736	2 157	18 891	5 196	4 780	3 446	2 440	1 194	1 623	192
0.50 or less	29 460	26 001	2 559	900	10 087	2 159	2 716	1 926	1 395	751	1 051	89
0.51 to 1.00	24 347	22 270	1 013	1 064	7 833	2 588	1 857	1 368	974	390	559	97
1.01 to 1.50	4 100	3 811	141	148	808	377	176	141	85	21	8	-
1.51 or more	529	3 447	23	45	163	72	31	11	6	32	5	6
Lacking some or all plumbing facilities	3 350	3 447	149	154	3 687	713	212	301	689	710	985	57
0.50 or less	1 801	1 662	104	35	1 408	302	161	187	305	256	166	31
0.51 to 1.00	1 123	1 013	40	70	2 063	303	43	102	370	422	802	21
1.01 to 1.50	254	230	-	24	67	56	3	3	5	-	-	-
1.51 or more	172	142	5	25	129	52	5	9	9	32	17	5
<b>BEDROOMS</b>												
None	232	192	40	-	2 853	163	205	147	528	638	1 100	72
1	4 000	3 035	857	1 08	7 885	979	1 411	1 679	1 635	1 001	1 180	-
2	21 154	17 629	1 911	1 614	7 538	1 881	2 555	1 569	812	327	290	104
3	26 437	25 207	767	463	3 369	545	450	450	215	46	42	63
4 or more	10 056	9 750	288	18	951	834	54	-	63	-	-	-
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	884	464	23	397	362	19	16	4	16	15	259	33
1965 to 1968	3 281	2 179	36	1 066	501	110	61	54	33	134	49	60
1960 to 1964	3 995	3 510	56	429	769	197	82	126	68	56	179	61
1950 to 1959	11 561	11 129	138	294	2 071	645	150	480	459	109	177	51
1940 to 1949	5 333	5 234	76	23	1 133	659	182	57	200	15	20	-
1939 or earlier	36 732	33 074	3 556	102	17 722	4 279	4 501	3 026	2 373	1 575	1 924	44
<b>INCOME IN 1969</b>												
Less than \$2,000	6 058	5 099	732	227	5 553	937	996	944	929	661	1 047	39
\$2,000 to \$2,999	3 813	3 277	406	130	2 390	426	465	381	465	267	376	10
\$3,000 to \$3,999	3 254	2 744	354	156	2 269	458	475	431	384	215	266	40
\$4,000 to \$4,999	2 825	2 437	287	101	1 695	411	371	337	222	131	201	22
\$5,000 to \$5,999	2 791	2 451	178	162	1 614	411	385	270	233	136	145	34
\$6,000 to \$6,999	3 637	3 216	215	206	1 678	549	423	286	216	99	73	32
\$7,000 to \$9,999	15 245	13 692	820	733	4 054	1 489	1 013	657	429	236	186	44
\$10,000 to \$14,999	16 475	15 335	628	512	2 545	954	702	360	201	107	193	28
\$15,000 to \$24,999	6 423	6 122	226	75	617	219	144	77	58	47	72	-
\$25,000 or more	1 265	1 217	39	9	143	55	18	4	12	5	49	-
Median	\$8 700	\$8 900	\$5 900	\$7 700	\$4 600	\$6 600	\$5 500	\$4 300	\$3 500	\$3 100	\$2 700	\$5 400
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	4 962	3 725	357	880	9 410	2 359	2 073	1 710	1 345	767	987	169
1968	3 745	3 159	148	438	3 077	794	775	457	503	196	315	37
1967	3 383	2 905	128	350	1 862	508	441	309	225	188	191	-
1965 and 1966	5 654	5 090	252	312	2 247	623	499	382	258	216	257	12
1960 to 1964	9 708	9 098	364	246	2 752	602	626	339	417	264	497	7
1950 to 1959	15 928	15 065	796	67	1 864	472	433	293	251	191	224	-
1949 or earlier	18 404	16 539	1 858	7	1 348	496	289	175	139	81	160	8
<b>GROSS RENT</b>												
Specified renter occupied <sup>1</sup>	...	...	...	...	21 750	5 101	4 992	3 747	3 149	1 904	2 608	249
Less than \$50	...	...	...	...	3 389	300	344	344	743	611	1 013	34
\$50 to \$59	...	...	...	...	1 548	186	311	326	364	188	159	14
\$60 to \$69	...	...	...	...	1 900	292	439	447	360	143	219	-
\$70 to \$79	...	...	...	...	2 280	399	619	542	313	228	158	21
\$80 to \$99	...	...	...	...	4 597	867	1 507	952	605	298	345	23
\$100 to \$119	...	...	...	...	2 681	760	731	489	338	143	191	29
\$120 to \$149	...	...	...	...	2 137	718	597	292	180	138	166	46
\$150 to \$199	...	...	...	...	1 166	461	188	143	92	110	155	17
\$200 to \$299	...	...	...	...	352	157	59	25	9	17	85	-
\$300 or more	...	...	...	...	63	27	-	-	-	-	36	-
No cash rent	...	...	...	...	1 637	934	197	187	145	28	81	65
Median	...	...	...	...	\$84	\$101	\$88	\$82	\$71	\$70	\$64	\$100
<b>HEATING EQUIPMENT</b>												
Steam or hot water	14 409	12 684	1 715	10	10 906	1 361	1 991	1 888	1 866	1 555	2 229	16
Warm-air furnace	39 059	35 281	1 870	1 908	8 164	2 686	2 265	1 375	1 121	314	290	113
Built-in electric units	630	584	21	25	620	42	31	27	29	6	85	-
Floor, wall, or pipeless furnace	1 002	784	43	175	297	192	39	13	6	-	4	43
Other means	6 682	6 253	236	193	2 971	1 628	666	444	127	29	-	77
None	4	4	-	-	-	-	-	-	-	-	-	-
<b>AIR CONDITIONING</b>												
Room unit(s)	1 275	1 124	72	79	434	105	66	87	59	72	45	-
Central system	587	495	38	54	109	6	28	9	-	8	45	13
None	59 922	53 962	3 793	2 167	22 017	5 743	5 042	3 569	3 079	1 823	2 541	220
<b>AUTOMOBILES AVAILABLE</b>												
1	34 033	30 632	1 960	1 441	11 268	3 580	2 731	1 876	1 446	745	751	139
2	17 688	16 336	703	649	2 307	967	576	350	177	100	128	9
3 or more	2 999	2 863	103	33	360	167	98	45	43	-	-	7
None	7 064	5 750	1 137	177	8 625	1 140	1 731	1 394	1 472	1 058	1 752	78

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table A-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA

	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b> -----	61 786	1 130	7 219	9 652	21 015	7 598	1 753	523	2 983	1 286	3 610	5 017
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities -----	58 436	1 077	7 016	9 388	20 186	7 175	1 628	447	2 859	1 191	3 083	4 386
0.50 or less -----	29 460	401	1 220	960	9 851	5 945	841	357	1 543	909	3 056	4 377
0.51 to 1.00 -----	24 347	658	4 952	6 339	9 031	1 169	619	83	1 201	259	27	9
1.01 to 1.50 -----	4 100	5	771	1 849	1 133	52	155	7	105	23	--	--
1.51 or more -----	3 529	13	73	240	171	9	13	--	10	--	--	--
Lacking some or all plumbing facilities -----	3 350	53	203	264	829	423	125	76	124	95	527	631
0.50 or less -----	1 801	15	4	11	313	218	53	29	29	60	486	583
0.51 to 1.00 -----	1 123	29	92	131	399	183	47	33	85	35	41	48
1.01 to 1.50 -----	254	4	61	55	88	12	20	9	5	--	--	--
1.51 or more -----	172	5	46	67	29	10	5	--	5	--	--	--
<b>UNITS IN STRUCTURE</b>												
1 -----	55 590	733	6 279	9 173	19 572	6 773	1 603	486	2 741	1 120	2 988	4 122
2 or more -----	3 885	81	257	266	1 004	671	86	31	141	154	417	777
Mobile home or trailer -----	2 311	316	683	213	439	154	64	6	101	12	205	118
<b>INCOME IN 1969</b>												
Less than \$2,000 -----	6 058	38	51	107	391	892	56	39	448	218	956	2 862
\$2,000 to \$2,999 -----	3 813	23	47	43	244	1 371	38	82	313	155	396	1 081
\$3,000 to \$3,999 -----	3 254	26	46	43	406	1 324	57	61	253	140	375	523
\$4,000 to \$4,999 -----	2 825	58	100	71	546	1 038	108	56	279	128	298	143
\$5,000 to \$5,999 -----	2 791	88	200	179	700	565	65	58	340	73	400	123
\$6,000 to \$6,999 -----	3 637	142	566	376	1 242	455	127	49	239	97	268	76
\$7,000 to \$7,999 -----	15 245	461	3 028	2 782	6 041	874	575	93	447	250	556	138
\$8,000 to \$8,999 -----	16 475	243	2 569	4 167	7 377	627	499	57	470	132	273	61
\$9,000 to \$9,999 -----	6 423	41	539	1 547	3 407	342	203	19	179	82	58	6
\$10,000 to \$14,999 -----	1 265	10	73	337	641	110	25	9	15	11	30	4
\$15,000 to \$24,999 -----	1 265	10	73	337	641	110	25	9	15	11	30	4
\$25,000 or more -----	8 700	\$8 200	\$9 600	\$11 500	\$10 600	\$4 200	\$9 200	\$5 400	\$5 600	\$5 000	\$4 300	\$2000--
Median -----												
<b>VALUE-INCOME RATIO</b>												
Specified owner occupied <sup>1</sup> -----	47 333	610	5 455	7 783	16 554	5 816	1 270	393	2 389	981	2 439	3 643
Less than 1.5 -----	22 780	346	2 831	4 424	10 309	1 504	871	175	880	388	826	226
1.5 to 1.9 -----	8 753	140	1 420	1 789	3 233	900	181	82	345	120	264	259
2.0 to 2.4 -----	4 603	60	678	894	1 406	651	107	24	237	77	222	247
2.5 to 2.9 -----	2 613	33	275	301	576	660	35	27	196	29	147	334
3.0 to 3.9 -----	2 833	8	154	229	547	863	21	40	186	130	225	430
4.0 or more -----	5 391	23	92	141	444	1 224	50	45	438	233	627	2 074
Not computed -----	360	--	5	5	39	14	5	--	107	4	108	73
<b>Renter occupied housing units</b> -----	22 558	2 306	3 066	1 318	2 106	1 182	761	75	2 526	373	4 536	4 309
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities -----	18 891	2 241	2 977	1 273	1 947	1 012	728	51	2 399	306	2 957	3 000
0.50 or less -----	10 087	663	624	229	940	645	271	46	983	226	2 707	2 753
0.51 to 1.00 -----	7 833	1 535	2 075	785	871	350	406	5	1 233	76	250	247
1.01 to 1.50 -----	808	30	263	216	87	12	24	--	172	4	--	--
1.51 or more -----	163	13	15	43	49	5	27	--	11	--	--	--
Lacking some or all plumbing facilities -----	3 667	65	89	45	159	170	33	24	127	67	1 579	1 309
0.50 or less -----	1 408	14	10	4	16	55	--	6	25	20	635	623
0.51 to 1.00 -----	2 063	42	39	17	106	92	14	18	39	26	944	686
1.01 to 1.50 -----	67	5	24	5	15	--	--	--	18	--	--	--
1.51 or more -----	129	4	16	19	22	23	19	--	5	21	--	--
<b>UNITS IN STRUCTURE</b>												
1 -----	5 909	559	1 373	630	900	353	251	17	614	69	613	530
2 to 4 -----	8 739	1 149	1 233	515	880	491	341	51	1 233	165	1 422	1 259
5 to 19 -----	5 053	440	369	140	205	224	120	--	571	107	1 569	1 308
20 or more -----	2 608	85	69	18	110	114	30	7	99	32	850	1 194
Mobile home or trailer -----	249	73	22	15	11	--	19	--	9	--	82	18
<b>GROSS RENT</b>												
Specified renter occupied <sup>2</sup> -----	21 750	2 226	2 872	1 216	1 983	1 146	744	75	2 502	358	4 444	4 184
Less than \$50 -----	3 389	81	73	37	81	122	25	12	120	24	1 297	1 517
\$50 to \$59 -----	1 548	93	40	49	85	48	37	6	114	60	517	499
\$60 to \$69 -----	1 900	129	154	51	113	121	67	5	266	21	563	410
\$70 to \$79 -----	2 280	291	229	107	226	145	102	7	308	16	425	424
\$80 to \$89 -----	4 597	761	708	194	538	235	137	12	606	120	743	543
\$90 to \$99 -----	2 681	405	553	193	221	177	114	10	506	31	271	200
\$100 to \$119 -----	2 137	276	435	192	232	100	119	5	368	6	230	174
\$120 to \$149 -----	1 166	125	279	125	133	50	83	--	133	39	105	94
\$150 to \$199 -----	352	23	100	54	33	23	16	--	25	11	5	51
\$200 to \$299 -----	63	--	6	21	6	5	5	--	--	--	--	15
\$300 or more -----	1 637	42	295	193	315	120	39	18	56	30	272	257
No cash rent -----												
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
Specified renter occupied <sup>2</sup> -----	21 750	2 226	2 872	1 216	1 983	1 146	744	75	2 502	358	4 444	4 184
Less than \$5,000 -----	11 552	774	325	128	334	776	388	65	1 856	244	2 814	3 848
less than 20 percent -----	1 355	94	52	22	26	106	9	--	104	19	569	354
20 to 24 percent -----	1 126	129	34	24	75	88	29	6	150	15	286	290
25 to 34 percent -----	2 276	234	72	5	69	201	61	11	434	40	528	621
35 percent or more -----	5 706	296	111	69	115	285	254	30	1 026	153	1 094	2 273
Not computed -----	1 089	21	56	8	49	96	35	18	142	17	337	310
\$5,000 to \$9,999 -----	7 012	1 185	1 602	641	957	258	261	5	487	58	1 341	217
less than 20 percent -----	4 724	828	1 017	333	715	146	177	5	242	28	1 100	133
20 to 24 percent -----	958	202	91	48	61	29	--	--	132	25	102	37
25 to 34 percent -----	647	99	167	39	74	32	--	--	82	--	74	24
35 percent or more -----	132	31	26	18	10	--	10	--	9	5	5	18
Not computed -----	2 537	45	161	125	128	19	--	--	22	--	60	5
\$10,000 to \$14,999 -----	2 431	240	808	335	437	78	65	--	138	52	220	64
less than 20 percent -----	2 046	218	688	258	338	73	60	--	130	33	205	43
20 to 24 percent -----	65	15	14	24	--	--	--	--	--	6	--	6
25 percent or more -----	67	7	30	5	9	--	--	--	3	--	--	8
Not computed -----	259	7	76	48	90	5	--	--	5	13	15	7
\$15,000 or more -----	749	27	137	112	255	34	30	5	21	4	69	55
less than 20 percent -----	640	27	120	91	207	34	25	5	21	4	64	42
20 to 24 percent -----	5	--	--	5	--	--	--	--	--	--	5	7
25 percent or more -----	12	--	--	--	--	--	--	--	--	--	--	6
Not computed -----	92	--	17	16	48	--	5	--	--	--	--	7

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table A-8. Persons in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b> .....	<b>61 786</b>	<b>8 627</b>	<b>19 079</b>	<b>9 471</b>	<b>9 327</b>	<b>7 021</b>	<b>3 969</b>	<b>2 541</b>	<b>1 751</b>	<b>2.8</b>
<b>BEDROOMS</b>										
None and 1 .....	4 232	1 878	1 912	254	107	41	19	21	-	1.6
2 .....	21 154	4 134	9 123	3 752	2 370	1 132	339	174	130	2.2
3 .....	26 437	1 853	6 646	4 923	5 317	3 889	2 304	1 097	408	3.5
4 or more .....	10 056	521	1 498	841	1 430	2 025	1 482	1 299	960	4.9
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	884	62	266	186	148	105	53	34	30	3.1
1965 to 1968 .....	3 281	263	703	544	753	560	233	146	79	3.7
1960 to 1964 .....	3 995	313	932	607	790	666	429	153	105	3.7
1950 to 1959 .....	11 561	855	3 167	1 920	2 181	1 635	858	596	349	3.4
1940 to 1949 .....	5 333	583	1 821	994	830	464	364	169	108	2.6
1939 or earlier .....	36 732	6 551	12 190	5 220	4 625	3 591	2 032	1 443	1 080	2.5
<b>UNITS IN STRUCTURE</b>										
1 .....	55 590	7 110	16 878	8 506	8 542	6 669	3 778	2 441	1 666	2.9
2 or more .....	3 885	1 194	1 492	482	337	147	131	48	54	2.0
Mobile home or trailer .....	2 311	323	709	483	448	205	60	52	31	2.8
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	50 912	6 975	16 430	7 969	7 677	5 601	3 076	1 971	1 213	2.8
2 and 2 1/2 .....	6 051	265	1 337	861	1 202	1 006	551	434	395	4.0
3 or more .....	639	19	112	66	142	87	60	55	98	4.4
None or also used by another household .....	4 182	1 413	1 202	464	373	295	203	97	135	2.1
<b>HOUSEHOLD COMPOSITION</b>										
Two-or-more-person households .....	53 159	...	19 079	9 471	9 327	7 021	3 969	2 541	1 751	3.3
Male head, wife present, no nonrelatives .....	46 614	...	15 816	8 062	8 441	6 536	3 743	2 379	1 637	3.4
Under 25 years .....	1 130	...	348	301	301	15	12	9	9	4.2
25 to 34 years .....	7 219	...	694	1 269	2 307	1 720	1 736	1 358	135	4.2
35 to 44 years .....	9 652	...	424	763	2 073	2 395	1 864	1 178	955	3.2
45 to 64 years .....	21 015	...	8 069	4 717	3 539	2 252	1 100	810	528	3.0
65 years and over .....	7 598	...	6 281	953	221	84	28	21	10	2.1
Other male head .....	2 276	...	1 111	506	211	190	109	64	65	2.8
Under 65 years .....	1 753	...	745	404	182	181	102	58	4	2.8
65 years and over .....	523	...	366	102	29	9	7	6	2	2.5
Female head .....	4 269	...	2 152	903	675	295	117	98	29	2.5
Under 65 years .....	2 983	...	1 254	678	559	273	103	98	18	2.9
65 years and over .....	1 286	...	898	225	116	22	14	-	11	2.2
One-person households .....	8 627	8 627	...	...	...	...	...	...	...	1.0
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup> .....	47 333	6 082	14 345	7 410	7 388	5 653	3 193	1 985	1 277	2.8
Less than 1.5 .....	22 780	1 052	5 954	4 394	4 079	3 185	1 938	1 325	853	3.5
1.5 to 1.9 .....	8 753	543	2 561	1 492	1 637	1 297	737	279	207	3.4
2.0 to 2.4 .....	4 603	469	1 538	597	785	577	291	203	143	3.0
2.5 to 2.9 .....	2 613	481	1 007	315	383	247	102	43	35	2.3
3.0 to 3.9 .....	2 833	655	1 342	298	214	161	51	67	25	2.1
4.0 or more .....	5 391	2 701	1 884	270	243	172	64	48	9	1.5
Not computed .....	360	181	59	44	47	14	10	-	5	1.5
<b>Renter occupied housing units</b> .....	<b>22 558</b>	<b>8 845</b>	<b>6 057</b>	<b>3 185</b>	<b>2 171</b>	<b>1 147</b>	<b>546</b>	<b>371</b>	<b>236</b>	<b>1.9</b>
<b>BEDROOMS</b>										
None .....	2 853	2 641	140	-	52	20	-	-	-	1.0
1 .....	7 885	4 714	2 561	435	146	29	-	-	-	1.3
2 .....	7 538	1 366	2 524	1 878	1 176	429	22	90	53	2.5
3 or more .....	4 320	384	708	606	1 022	595	627	252	126	4.0
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	362	212	107	23	20	-	-	-	-	1.4
1965 to 1968 .....	501	160	151	74	63	27	9	7	17	2.1
1960 to 1964 .....	769	322	192	74	89	49	29	7	7	1.8
1950 to 1959 .....	2 071	513	426	407	337	210	97	39	42	2.7
1940 to 1949 .....	1 133	264	290	221	158	107	55	24	14	2.6
1939 or earlier .....	17 722	7 374	4 891	2 386	1 504	754	356	301	156	1.8
<b>UNITS IN STRUCTURE</b>										
1 .....	5 909	1 143	1 299	1 047	1 103	561	342	266	148	3.0
2 .....	4 992	1 344	1 726	1 037	458	258	67	66	36	2.2
3 and 4 .....	3 747	1 337	1 221	555	322	192	85	10	25	1.9
5 to 9 .....	3 149	1 602	853	320	196	83	49	25	21	1.5
10 to 19 .....	1 904	1 275	446	113	40	26	4	-	-	1.2
20 or more .....	2 608	2 044	445	60	36	20	3	-	-	1.1
Mobile home or trailer .....	249	100	67	53	16	7	-	-	6	1.9
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	18 048	5 676	5 407	3 051	1 901	1 059	452	302	200	2.1
2 or more .....	492	95	89	96	80	74	10	30	18	3.1
None or also used by another household .....	4 020	3 032	572	153	118	41	36	35	33	1.2
<b>HOUSEHOLD COMPOSITION</b>										
Two-or-more-person households .....	13 713	...	6 057	3 185	2 171	1 147	546	371	236	2.6
Male head, wife present, no nonrelatives .....	9 978	...	4 064	2 386	1 715	949	388	292	184	2.9
Under 25 years .....	2 306	...	1 108	903	254	34	-	7	-	2.6
25 to 34 years .....	3 066	...	692	802	817	480	154	93	28	3.5
35 to 44 years .....	1 318	...	186	192	292	256	159	127	106	4.6
45 to 64 years .....	2 106	...	1 055	393	320	161	75	62	40	2.5
65 years and over .....	1 182	...	1 023	96	32	18	-	3	10	2.1
Other male head .....	836	...	413	186	141	49	13	11	23	2.5
Under 65 years .....	761	...	350	181	134	49	13	11	23	2.7
65 years and over .....	75	...	63	5	7	-	-	-	-	2.7
Female head .....	2 899	...	1 580	613	315	149	145	68	29	2.4
Under 65 years .....	2 526	...	1 241	589	311	143	145	68	29	2.5
65 years and over .....	373	...	339	24	4	6	-	-	-	2.1
One-person households .....	8 845	8 845	...	...	...	...	...	...	...	1.0
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup> .....	21 750	8 628	5 886	3 084	2 071	1 082	488	315	196	1.9
Less than 10 percent .....	2 147	715	656	296	248	135	48	34	15	2.0
10 to 14 percent .....	3 390	878	1 067	635	384	232	100	52	42	2.3
15 to 19 percent .....	3 228	917	874	617	417	199	103	75	26	2.3
20 to 24 percent .....	2 154	721	604	324	252	124	42	35	26	2.1
25 to 34 percent .....	2 989	1 260	809	410	211	155	65	49	30	1.8
35 percent or more .....	5 851	3 397	1 422	537	298	155	42	43	17	1.4
Not computed .....	1 991	740	454	265	261	142	88	27	14	2.1

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table A-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b>	<b>620</b>	<b>90</b>	<b>75</b>	<b>455</b>	<b>Vacant for rent</b>	<b>1 584</b>	<b>866</b>	<b>255</b>	<b>463</b>
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	125	10	13	102	1 room	322	243	40	39
4 rooms	154	13	15	126	2 rooms	142	91	12	39
5 rooms	159	25	18	116	3 rooms	383	208	79	96
6 rooms	101	28	21	52	4 rooms	380	217	75	88
7 rooms or more	81	14	8	59	5 rooms	228	61	31	136
					6 rooms	90	36	18	36
					7 rooms or more	39	10	-	29
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities	388	76	62	250	With all plumbing facilities	997	544	169	284
Lacking some or all plumbing facilities	232	14	13	205	Lacking some or all plumbing facilities	587	322	86	179
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1	35	-	-	35	None	366	273	53	40
2	275	-	36	239	1	647	416	66	165
3	179	37	-	142	2	453	204	34	215
4 or more	18	-	-	18	3 or more	171	84	15	72
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970	56	27	5	24	1969 to March 1970	116	99	17	-
1960 to 1968	54	10	5	39	1960 to 1968	32	18	4	10
1950 to 1959	84	9	15	60	1950 to 1959	49	31	8	10
1949 or earlier	426	44	50	332	1949 or earlier	1 387	718	226	443
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1	573	85	75	413	1	403	99	73	231
2 or more	47	5	-	42	2 to 4	498	261	89	148
					5 to 9	170	118	16	36
					10 to 19	186	126	25	35
					20 or more	327	262	52	13
<b>HEATING EQUIPMENT</b>					<b>HEATING EQUIPMENT</b>				
Steam or hot water	102	16	4	82	1	403	99	73	231
Warm-air furnace	234	50	53	131	2 to 4	498	261	89	148
Built-in electric units	15	6	4	5	5 to 9	170	118	16	36
Floor, wall, or pipeless furnace	19	-	-	19	10 to 19	186	126	25	35
Other means	206	18	14	174	20 or more	327	262	52	13
None	44	-	-	44					
<b>SALES PRICE ASKED</b>					<b>RENT ASKED</b>				
Specified vacant for sale <sup>1</sup>	502	85	67	350	Specified vacant for rent <sup>2</sup>	1 502	854	250	398
Less than \$5,000	204	10	22	172	Less than \$50	612	344	119	149
\$5,000 to \$9,999	116	13	20	83	\$50 to \$59	180	117	23	40
\$10,000 to \$14,999	85	12	20	53	\$60 to \$79	299	153	44	102
\$15,000 to \$19,999	30	19	-	11	\$80 to \$99	125	77	8	40
\$20,000 to \$24,999	36	15	5	16	\$100 to \$119	90	41	8	41
\$25,000 to \$34,999	7	7	-	-	\$120 to \$149	72	34	22	16
\$35,000 to \$49,999	15	-	-	15	\$150 to \$199	70	56	10	4
\$50,000 or more	9	9	-	-	\$200 or more	54	32	16	6
Median price asked	\$6 300	...	...	\$5 100	Median rent asked	\$58	\$57	\$53	\$62

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table A-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970**

[Data based on sample, see text. For meaning of symbols, see text]

The SMSA	Sales price asked - Vacant for sale <sup>1</sup>							Rent asked - Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b>	<b>502</b>	<b>320</b>	<b>85</b>	<b>30</b>	<b>36</b>	<b>7</b>	<b>24</b>	<b>1 502</b>	<b>792</b>	<b>299</b>	<b>125</b>	<b>162</b>	<b>70</b>	<b>54</b>
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities	226	108	102	-	16	-	-	938	384	220	82	104	96	52
Lacking some or all plumbing facilities	146	146	-	-	-	-	-	621	511	35	35	40	-	-
<b>BEDROOMS</b>														
None and 1	-	-	-	-	-	-	-	972	707	112	35	66	52	-
2	175	134	41	-	-	-	-	432	155	124	63	38	26	26
3	179	102	61	-	16	-	-	136	33	19	-	40	18	26
4 or more	18	18	-	-	-	-	-	19	-	-	19	-	-	-
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970	51	5	-	6	9	7	24	116	35	-	-	5	38	38
1960 to 1968	44	20	9	-	15	-	-	32	15	-	-	13	4	-
1950 to 1959	84	44	32	8	-	-	-	44	17	8	-	14	5	-
1949 or earlier	323	251	44	16	12	-	-	1 310	725	291	125	130	23	16
<b>UNITS IN STRUCTURE</b>														
1	...	...	...	...	...	...	...	321	125	81	32	62	10	11
2 to 4	...	...	...	...	...	...	...	498	210	133	67	74	14	-
5 to 19	...	...	...	...	...	...	...	356	237	74	17	15	8	5
20 or more	...	...	...	...	...	...	...	327	220	11	9	11	38	38
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included	...	...	...	...	...	...	...	685	479	83	67	45	6	5
Some or no utilities included	...	...	...	...	...	...	...	817	313	216	58	117	64	49

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B-1. Value of Owner Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

<b>Duluth</b>	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 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)
<b>Specified owner occupied<sup>1</sup></b>	<b>19 440</b>	<b>612</b>	<b>1 517</b>	<b>2 602</b>	<b>3 145</b>	<b>2 549</b>	<b>4 340</b>	<b>2 515</b>	<b>1 455</b>	<b>526</b>	<b>179</b>	<b>14 300</b>
<b>ROOMS</b>												
1 and 2 rooms	74	19	16	—	—	—	12	16	—	6	5	...
3 rooms	339	65	103	115	31	14	5	6	—	—	—	7 500
4 rooms	2 527	146	241	399	478	413	637	122	75	11	5	12 500
5 rooms	5 734	153	432	697	1 016	838	1 463	841	240	34	20	14 200
6 rooms	6 226	92	508	941	1 127	890	1 393	812	377	69	17	13 800
7 rooms	2 431	39	137	295	347	273	507	383	332	99	19	16 200
8 rooms or more	2 109	98	80	155	146	121	323	341	425	307	113	21 900
Median	5.7	5.0	5.4	5.6	5.5	5.5	5.5	5.8	6.6	7.5+	7.5+	...
<b>PERSONS</b>												
1 person	2 385	174	405	458	440	323	332	122	113	18	—	10 900
2 persons	5 955	194	499	878	1 061	850	1 400	603	328	65	77	13 500
3 persons	3 151	98	213	428	528	401	638	477	257	73	38	14 400
4 persons	3 078	44	145	312	501	400	779	473	280	125	19	15 800
5 persons	2 299	22	116	257	258	292	623	402	199	106	24	16 600
6 persons or more	2 572	80	139	269	357	283	568	438	278	139	21	16 200
Median	2.9	2.2	2.2	2.5	2.6	2.8	3.2	3.6	3.6	4.4	2.8	...
Units with roomers, boarders, or lodgers	408	—	24	49	63	64	100	54	38	16	—	15 100
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	19 291	530	1 474	2 597	3 140	2 544	4 331	2 515	1 455	526	179	14 400
0.50 or less	10 204	334	966	1 510	1 804	1 352	2 021	1 055	772	242	148	13 400
0.51 to 1.00	8 014	181	426	952	1 152	1 029	2 012	1 320	653	263	26	15 000
1.01 to 1.50	981	15	66	129	184	147	286	115	24	15	—	14 100
1.51 or more	92	—	16	6	—	16	12	25	6	6	5	...
Lacking some or all plumbing facilities	149	82	43	5	5	9	9	—	—	—	—	5000-
0.50 or less	105	49	32	5	5	5	9	—	—	—	—	5 300
0.51 to 1.00	18	—	11	—	—	—	—	—	—	—	—	...
1.01 to 1.50	4	—	—	—	—	—	—	—	—	—	—	...
1.51 or more	11	—	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>												
None and 1	627	92	107	150	110	61	21	61	25	—	—	9 400
2	6 092	215	719	963	1 318	1 028	1 192	375	219	17	46	12 200
3	8 927	101	444	1 100	1 529	1 078	2 483	1 057	952	127	56	15 400
4 or more	3 862	86	220	372	312	345	801	728	550	328	120	18 200
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	134	—	6	—	—	—	7	45	37	29	5	26 100
1965 to 1968	502	5	—	—	—	—	62	99	195	98	43	29 600
1960 to 1964	1 088	10	—	—	11	5	274	408	284	78	18	23 000
1950 to 1959	3 463	10	18	46	115	290	1 444	927	446	120	47	19 400
1940 to 1939	1 839	27	58	102	258	332	642	294	81	32	13	16 000
1939 or earlier	12 414	560	1 435	2 454	2 761	1 917	1 911	742	412	169	53	11 600
<b>COMPLETE BATHROOMS</b>												
1 and 1 1/2	16 323	485	1 439	2 430	2 936	2 439	3 759	1 882	802	131	20	13 400
2 and 2 1/2	2 560	47	49	143	177	107	505	678	460	329	65	21 900
3 or more	278	—	—	—	—	—	6	17	86	92	77	39 980
None or also used by another household	257	120	50	28	11	17	10	14	7	—	—	5 400
<b>HOUSEHOLD COMPOSITION</b>												
Two-or-more-person households	17 055	438	1 112	2 144	2 705	2 226	4 008	2 393	1 342	508	179	14 900
Male head, wife present, no nonrelatives	14 867	351	841	1 733	2 285	2 006	3 620	2 179	1 230	464	158	15 300
Under 25 years	289	20	21	32	48	50	21	6	—	—	4	13 200
25 to 34 years	2 305	56	124	249	354	311	630	338	206	28	9	15 400
35 to 44 years	3 086	58	106	295	322	313	706	374	173	35	18 100	
45 to 64 years	6 666	108	335	770	1 064	907	1 711	908	543	253	67	15 400
65 years and over	2 521	109	255	387	497	388	523	208	101	10	43	12 600
Other male head	593	30	95	90	126	37	151	33	16	15	—	11 600
Under 25 years	441	10	73	63	94	37	122	20	11	11	—	12 000
25 to 34 years	152	20	22	27	32	—	29	13	5	4	—	10 500
35 to 44 years	1 595	57	176	321	294	183	237	181	96	29	21	12 100
45 to 64 years	1 109	38	114	228	180	118	186	143	78	19	5	12 400
65 years and over	486	19	62	93	114	65	51	38	18	10	16	11 500
Female head	2 385	174	405	458	440	323	332	122	113	18	—	16 400
Under 25 years	912	80	148	171	152	138	104	50	62	7	—	10 900
25 to 34 years	1 473	94	257	287	288	185	228	72	51	11	—	10 900
<b>INCOME IN 1969</b>												
Less than \$2,000	1 485	123	299	298	249	180	179	75	72	10	—	10 200
\$2,000 to \$2,999	1 016	78	139	176	274	78	188	34	38	11	—	11 000
\$3,000 to \$3,999	948	39	102	195	181	164	157	70	29	11	—	11 900
\$4,000 to \$4,999	828	53	134	144	166	107	153	30	32	9	—	11 300
\$5,000 to \$5,999	782	35	88	132	130	143	43	14	—	—	—	11 300
\$6,000 to \$6,999	941	65	94	195	200	143	73	36	6	—	—	11 500
\$7,000 to \$7,999	4 188	143	366	720	835	704	959	350	87	15	9	12 600
\$10,000 to \$14,999	5 589	66	208	515	896	801	1 585	924	496	82	16	16 000
\$15,000 to \$24,999	2 962	10	66	148	203	242	768	813	473	171	68	20 300
\$25,000 or more	701	—	21	14	9	14	65	103	178	211	86	32 000
Median	\$9 700	\$5 400	\$6 000	\$7 400	\$8 300	\$9 100	\$10 800	\$13 200	\$14 200	\$22 000	\$24 500	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	1 399	36	90	133	201	174	231	251	166	105	12	16 300
1968	1 121	38	55	70	122	177	270	179	132	58	20	16 900
1967	1 145	19	87	58	176	115	275	204	150	42	19	16 700
1965 and 1966	1 675	61	109	191	182	202	348	339	177	46	20	16 200
1960 to 1964	3 337	115	181	407	466	407	827	532	294	90	18	15 500
1950 to 1959	5 654	202	351	705	754	811	1 441	850	315	178	47	15 000
1949 or earlier	5 087	181	665	1 037	1 223	677	888	236	121	33	26	11 400
<b>HEATING EQUIPMENT</b>												
Steam or hot water	4 133	82	147	454	551	489	872	695	495	275	73	16 800
Warm-air furnace	14 355	303	1 156	2 028	2 498	2 018	3 358	1 733	921	246	94	14 000
Built-in electric units	159	—	5	16	21	15	26	31	28	5	—	19 500
Floor, wall, or pipeless furnace	80	—	43	19	18	—	—	—	—	—	—	...
Other means	713	227	166	85	57	27	84	56	11	—	—	7 000
None	—	—	—	—	—	—	—	—	—	—	—	...
<b>AIR CONDITIONING</b>												
Room unit(s)	464	—	6	26	84	92	79	92	47	38	—	16 200
Central system	198	14	21	17	29	19	32	14	13	27	12	14 900
None	18 756	638	1 511	2 558	3 011	2 452	4 169	2 485	1 295	487	150	14 200

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.



**Table B-2. Gross Rent of Renter Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth	Total	Less	\$50	\$60	\$70	\$80	\$100	\$120	\$150	\$200	\$300	No cash rent	Median (dollars)
		than \$50	to \$59	to \$69	to \$79	to \$99	to \$119	to \$149	to \$199	to \$299	or more		
Specified renter occupied <sup>1</sup>	11 044	1 599	734	879	1 005	2 382	1 549	1 246	718	244	58	630	88
<b>ROOMS</b>													
1 room	1 369	893	138	111	66	76	24	10	10	12	-	29	50-
2 rooms	1 149	376	173	125	129	172	58	49	9	13	-	45	60
3 rooms	2 196	181	202	243	272	591	295	235	116	14	-	47	86
4 rooms	2 442	84	141	265	256	649	351	335	172	67	16	106	93
5 rooms	2 386	54	55	101	222	628	508	349	210	47	15	197	101
6 rooms	1 074	6	15	22	56	223	254	222	149	37	5	85	114
7 rooms	262	5	10	6	4	34	52	29	34	29	6	53	118
8 rooms or more	166	-	-	6	-	9	7	17	18	25	16	68	...
Median	3.8	1.4	2.8	3.3	3.6	4.0	4.6	4.5	4.7	4.8	...	4.9	...
<b>PERSONS</b>													
1 person	4 622	1 443	499	502	446	762	306	271	144	57	15	177	66
2 persons	3 107	125	126	227	320	857	520	436	243	44	16	193	95
3 persons	1 494	20	65	73	134	466	272	230	104	55	-	75	98
4 persons	914	5	26	47	67	161	202	172	115	16	16	87	111
5 persons	531	6	14	27	16	93	111	73	78	46	5	62	114
6 persons or more	376	-	4	3	22	43	138	64	34	26	6	36	114
Median	1.8	1.1	1.2	1.4	1.7	2.0	2.4	2.3	2.4	2.9	...	2.2	...
Units with roomers, boarders, or lodgers	406	18	16	25	44	90	79	66	38	18	5	7	102
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
With all plumbing facilities	9 215	457	488	694	915	2 324	1 528	1 232	696	238	58	585	95
0.50 or less	5 066	301	321	462	536	1 266	683	658	342	114	41	342	91
0.51 to 1.00	3 796	150	148	221	349	1 013	728	525	320	100	17	225	98
1.01 to 1.50	321	6	8	11	24	45	109	49	34	17	-	18	111
1.51 or more	32	-	11	-	6	-	8	-	-	7	-	-	-
Lacking some or all plumbing facilities	1 829	1 142	246	185	90	58	21	14	22	6	-	45	50-
0.50 or less	653	303	147	82	44	28	-	4	22	-	-	23	51
0.51 to 1.00	1 106	817	78	103	32	22	21	10	-	6	-	17	50-
1.01 to 1.50	3	-	-	-	-	3	-	-	-	-	-	-	...
1.51 or more	67	22	21	-	14	5	-	-	-	-	-	5	...
<b>BEDROOMS</b>													
None	1 782	884	251	141	180	137	70	46	25	-	-	48	50
1	4 089	595	395	447	525	980	354	445	202	-	-	146	80
2	3 442	152	155	341	356	803	638	589	199	52	24	133	95
3 or more	1 828	-	55	69	86	247	338	360	188	90	-	395	115
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	164	-	6	10	-	-	-	13	77	30	23	5	183
1965 to 1968	126	-	5	5	16	5	5	5	47	26	5	7	170
1960 to 1964	349	45	16	15	31	38	35	61	28	4	-	76	95
1950 to 1959	664	9	17	42	61	45	87	129	41	44	14	175	116
1940 to 1949	269	6	22	21	5	38	37	41	33	11	5	50	109
1939 or earlier	9 472	1 539	668	786	892	2 256	1 385	997	492	129	11	317	86
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	895	113	111	24	66	258	99	155	45	-	24	-	90
With elevator	358	64	-	24	43	-	44	134	25	-	24	-	...
Walk-up	537	49	111	-	23	258	55	21	20	-	-	-	87
1 to 3 floors	10 246	1 518	745	974	1 081	1 909	1 301	1 285	569	142	-	722	84
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	8 886	399	418	635	866	2 355	1 594	1 128	743	233	19	496	96
2 or more	220	12	17	-	-	34	-	17	-	37	46	57	204
None or also used by another household	1 931	1 181	248	218	107	63	21	19	25	13	-	36	50-
<b>INCOME IN 1969</b>													
Less than \$2,000	2 717	904	307	251	236	444	192	138	73	46	-	126	63
\$2,000 to \$2,999	1 300	255	144	136	181	278	141	112	27	3	-	23	76
\$3,000 to \$3,999	1 204	155	90	115	164	275	172	131	51	4	-	47	83
\$4,000 to \$4,999	835	81	56	90	65	229	126	89	72	-	-	27	91
\$5,000 to \$5,999	843	39	43	74	84	207	139	127	55	14	-	61	95
\$6,000 to \$6,999	727	38	32	36	66	225	112	99	78	18	-	43	96
\$7,000 to \$9,999	1 833	101	54	109	126	448	426	260	153	26	-	130	101
\$10,000 to \$14,999	1 184	20	18	52	77	235	201	233	156	49	24	119	113
\$15,000 to \$24,999	312	-	10	6	-	41	40	47	38	53	12	54	133
\$25,000 or more	89	6	-	5	-	-	-	10	15	31	22	-	...
Median	\$4 200	\$2 000	\$2 400	\$3 500	\$3 500	\$4 800	\$6 000	\$6 300	\$7 100	\$11 100	...	\$6 700	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	4 813	561	225	325	386	1 007	822	616	411	145	57	258	96
1968	1 587	203	57	153	143	434	203	150	123	49	8	64	90
1967	1 963	159	76	92	111	143	170	114	69	7	-	22	87
1965 and 1966	947	157	100	60	97	221	105	86	81	26	-	14	84
1960 to 1964	1 359	261	109	120	107	355	164	116	35	23	-	69	83
1950 to 1959	876	166	70	67	76	158	98	60	32	33	-	116	80
1949 or earlier	492	85	46	36	53	134	53	22	17	-	-	46	80
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	877	246	94	126	94	157	69	45	15	25	6	...	68
10 to 14 percent	1 526	168	70	114	159	487	249	170	70	29	10	...	90
15 to 19 percent	1 723	276	59	150	126	373	354	227	117	35	6	...	93
20 to 24 percent	1 067	120	89	85	88	253	204	117	88	18	5	...	93
25 to 34 percent	1 685	276	135	115	174	345	192	231	159	40	18	...	87
35 percent or more	3 334	448	270	265	348	724	466	446	261	93	13	...	89
Not computed	832	65	17	24	16	43	15	8	4	-	-	630	68
<b>AIR CONDITIONING</b>													
Room unit(s)	226	-	15	13	7	32	18	28	44	14	15	40	129
Central system	96	8	7	16	13	-	6	-	-	8	31	7	...
None	10 715	1 584	661	824	953	2 420	1 591	1 136	724	261	19	542	89

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table B-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

**Duluth**

	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
<b>Owner occupied housing units</b> -----	22 313	1 968	1 300	1 192	1 029	969	1 096	4 790	6 078	3 170	721	9 369
<b>ROOMS</b>												
1 and 2 rooms -----	133	20	26	22	13	—	—	9	20	23	—	3 900
3 rooms -----	633	200	124	59	55	45	22	89	24	6	9	2 980
4 rooms -----	3 505	477	315	268	220	206	242	892	684	176	25	7 180
5 rooms -----	6 610	596	400	447	319	276	297	1 461	1 933	798	83	9 000
6 rooms -----	6 646	442	298	288	270	302	363	1 534	2 066	972	111	9 700
7 rooms or more -----	4 786	233	137	108	152	140	172	805	1 351	1 195	493	12 400
<b>PERSONS</b>												
1 person -----	3 172	1 358	576	345	166	192	111	237	143	25	19	2 400
2 persons -----	6 969	429	595	652	592	451	480	1 572	1 426	595	177	7 500
3 and 4 persons -----	6 918	150	86	143	180	243	368	1 773	2 489	1 268	218	11 000
5 persons -----	2 468	19	18	40	43	38	43	583	1 008	536	120	12 100
6 persons or more -----	2 786	12	25	12	28	45	94	625	1 012	746	187	12 700
Units with roomers, boarders, or lodgers -----	497	46	29	50	39	21	10	122	117	51	12	8 300
<b>BEDROOMS</b>												
Less than 3 -----	8 845	1 455	630	723	435	590	538	2 221	1 590	543	120	7 100
3 -----	9 558	541	267	310	345	297	496	2 337	2 893	1 856	216	10 320
4 or more -----	4 024	198	80	36	104	135	66	692	1 135	1 173	405	13 100
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 -----	275	5	15	9	22	21	14	50	84	50	5	10 100
1960 to 1968 -----	1 866	72	36	34	49	47	69	245	657	482	155	12 700
1950 to 1959 -----	3 579	171	136	135	100	66	104	629	1 271	797	170	11 800
1949 or earlier -----	16 593	1 720	1 113	1 014	858	835	909	3 846	4 066	1 841	391	8 400
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 -----	1 820	95	39	33	101	111	119	396	636	228	62	10 100
1968 -----	1 299	36	34	42	80	73	49	296	424	225	40	10 500
1960 to 1967 -----	6 839	335	202	235	173	217	286	1 669	2 352	1 089	281	10 600
1959 or earlier -----	12 358	1 480	1 107	944	719	559	640	2 282	2 804	1 489	334	8 000
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine -----	17 769	1 105	477	787	565	802	877	4 249	4 775	3 418	714	10 000
Clothes dryer -----	14 283	692	227	498	403	583	482	3 404	4 165	3 192	637	11 000
Dishwasher -----	4 646	132	20	61	131	179	65	633	1 228	1 623	574	14 500
Home food freezer -----	8 820	502	167	308	265	263	333	2 045	2 401	2 069	467	11 100
Owned second home -----	2 988	130	64	162	194	20	98	607	808	669	236	11 400
With air conditioning -----	773	36	59	44	47	34	13	135	217	134	54	10 400
Room unit(s) -----	524	26	30	23	35	16	13	112	139	96	34	10 300
Central system -----	249	10	29	21	12	18	—	23	78	38	20	10 700
Automobiles available:												
1 -----	12 076	692	720	777	732	669	800	3 096	3 348	1 090	152	8 600
2 -----	6 063	79	58	65	102	117	137	1 169	2 407	1 477	452	12 700
3 or more -----	1 137	—	15	24	11	8	—	169	351	446	113	14 900
<b>Renter occupied housing units</b> -----	11 071	2 729	1 300	1 204	835	843	731	1 833	1 190	317	89	4 400
<b>ROOMS</b>												
1 room -----	1 369	712	228	147	82	52	38	77	27	—	6	2000—
2 rooms -----	1 149	469	202	141	55	43	43	143	26	15	12	2 500
3 rooms -----	2 208	535	306	275	202	192	100	311	237	25	25	4 000
4 rooms -----	2 442	480	258	269	212	219	199	484	233	73	15	5 000
5 rooms -----	2 386	364	218	210	178	216	197	495	401	91	16	6 000
6 rooms or more -----	1 517	169	88	162	106	121	154	323	266	113	15	6 700
<b>PERSONS</b>												
1 person -----	4 634	2 055	738	521	312	297	143	345	149	42	32	2 400
2 persons -----	3 112	426	359	352	211	252	252	628	482	128	22	5 800
3 and 4 persons -----	2 408	218	181	282	223	203	237	586	358	89	31	6 400
5 persons -----	531	24	13	39	37	39	53	143	143	36	4	8 300
6 persons or more -----	386	6	9	10	52	52	46	131	58	22	—	7 400
Units with roomers, boarders, or lodgers -----	406	161	99	41	20	15	14	33	12	6	5	2 400
<b>BEDROOMS</b>												
None -----	1 782	867	293	237	92	44	42	138	69	—	—	2 100
1 -----	4 089	1 055	595	562	355	354	176	619	312	42	19	3 700
2 -----	3 466	734	387	250	192	321	289	641	463	172	17	5 500
3 or more -----	1 828	167	68	268	84	230	118	419	372	102	—	6 800
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 -----	164	8	12	10	12	19	18	24	16	29	16	7 400
1960 to 1968 -----	480	120	43	45	38	35	16	60	74	43	6	4 800
1950 to 1959 -----	670	85	55	62	45	58	43	124	142	42	14	6 700
1949 or earlier -----	9 757	2 516	1 190	1 087	740	731	654	1 625	958	203	53	4 100
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 -----	4 833	1 037	534	580	501	360	341	817	462	138	63	4 500
1968 -----	1 587	341	160	112	105	134	153	279	211	71	21	5 600
1960 to 1967 -----	3 270	863	469	338	142	215	246	553	369	55	20	3 900
1959 or earlier -----	1 378	476	143	150	131	85	48	133	153	59	—	3 500
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup> -----	11 044	2 717	1 300	1 204	835	843	727	1 833	1 184	312	89	4 400
Less than 15 percent -----	2 403	11	35	83	108	109	135	830	793	216	83	9 600
15 to 19 percent -----	1 723	61	143	119	135	199	275	576	179	30	6	6 700
20 to 24 percent -----	1 067	72	77	187	160	236	99	188	43	5	—	5 200
25 to 34 percent -----	1 685	267	307	377	272	178	143	97	44	—	—	3 700
35 percent or more -----	3 334	1 978	715	391	133	60	32	12	6	—	—	2000—
Not computed -----	632	328	23	47	27	61	43	130	119	54	—	4 700
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine -----	3 380	288	254	439	123	330	296	718	705	208	19	6 900
Clothes dryer -----	2 060	245	67	224	72	218	119	523	427	146	19	7 500
Dishwasher -----	517	—	25	21	—	23	—	208	68	101	19	9 000
Home food freezer -----	779	85	23	61	21	—	57	200	68	101	—	9 300
Owned second home -----	499	136	41	56	20	—	—	104	22	40	19	4 800
With air conditioning -----	322	46	31	23	35	23	11	32	68	24	29	6 300
Room unit(s) -----	226	30	25	7	15	23	11	32	61	7	15	7 200
Central system -----	96	16	6	16	20	—	—	—	7	17	14	—
Automobiles available:												
1 -----	5 112	526	344	472	513	455	558	1 256	780	167	41	6 400
2 -----	981	52	34	31	67	56	78	247	285	95	36	9 100
3 or more -----	167	18	16	24	—	—	—	26	16	18	7	5 600

<sup>1</sup>Excludes one-family homes on 10 acres or more.

**Table B-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
<b>Owner occupied housing units</b> -----	<b>22 313</b>	<b>22 056</b>	<b>11 907</b>	<b>8 928</b>	<b>1 106</b>	<b>115</b>	<b>257</b>	<b>154</b>	<b>79</b>	<b>4</b>	<b>20</b>
<b>PERSONS</b>											
1 person -----	3 172	3 074	3 056	18	—	—	98	88	10	—	—
2 persons -----	6 969	6 882	6 593	276	—	13	87	61	22	—	4
3 persons -----	3 530	3 492	1 703	1 779	—	10	38	5	33	—	—
4 persons -----	3 388	3 379	383	2 967	16	13	9	—	9	—	—
5 persons -----	2 468	2 464	172	2 203	85	4	4	—	—	4	—
6 persons or more -----	2 786	2 765	—	1 685	1 005	75	21	—	5	—	16
Median -----	2.8	2.8	1.9	4.3	6.9	7.3	1.9	1.4	...	...	...
Units with roomers, boarders, or lodgers -----	497	497	230	207	55	5	—	—	—	—	—
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 -----	278	278	138	120	15	5	—	—	—	—	—
1965 to 1968 -----	658	658	225	404	22	7	—	—	—	—	—
1960 to 1964 -----	1 218	1 204	527	591	80	6	14	—	7	—	7
1950 to 1959 -----	3 589	3 568	1 569	1 741	237	21	21	7	7	—	7
1940 to 1949 -----	1 947	1 906	983	833	82	8	41	26	15	—	—
1939 or earlier -----	14 626	14 418	8 366	5 299	680	73	208	124	70	7	7
<b>INCOME IN 1969</b>											
Less than \$2,000 -----	1 968	1 901	1 743	158	—	—	67	54	9	—	4
\$2,000 to \$2,999 -----	1 300	1 238	1 106	126	6	—	62	41	16	—	5
\$3,000 to \$3,999 -----	1 192	1 177	975	194	8	—	15	10	5	—	—
\$4,000 to \$4,999 -----	1 029	1 012	784	220	8	—	17	11	6	—	—
\$5,000 to \$5,999 -----	969	954	703	217	34	—	15	10	5	—	—
\$6,000 to \$6,999 -----	1 096	1 079	663	370	46	—	17	4	7	—	6
\$7,000 to \$9,999 -----	4 790	4 738	2 148	2 277	291	22	52	16	31	—	5
\$10,000 to \$14,999 -----	6 078	6 070	2 293	3 305	425	47	8	4	4	—	—
\$15,000 to \$24,999 -----	3 170	3 166	1 135	1 735	250	46	4	4	—	—	—
\$25,000 or more -----	721	721	357	326	38	—	—	—	—	—	—
Median -----	\$9 300	\$9 300	\$7 000	\$11 400	\$11 900	\$13 800	\$3 000	\$2 600	...	...	...
<b>VALUE-INCOME RATIO</b> Specified owner occupied <sup>1</sup>											
Less than 1.5 -----	19 440	19 291	10 204	8 014	981	92	149	105	29	4	11
1.5 to 1.9 -----	8 611	8 534	3 521	4 326	641	46	77	44	18	4	11
2.0 to 2.4 -----	3 914	3 893	1 717	1 950	217	9	21	10	11	—	—
2.5 to 2.9 -----	2 011	2 006	1 070	819	91	26	5	5	—	—	—
3.0 to 3.9 -----	1 152	1 141	716	409	10	6	11	11	—	—	—
4.0 or more -----	1 160	1 147	896	235	16	—	13	13	—	—	—
Not computed -----	2 499	2 482	2 225	246	6	—	17	17	—	—	—
None -----	93	88	59	29	—	—	5	5	—	—	—
<b>HEATING EQUIPMENT</b>											
Steam or hot water -----	4 958	4 898	2 736	1 931	184	47	60	34	26	—	—
Warm-air furnace -----	16 197	16 085	8 572	6 597	853	63	112	66	27	4	15
Built-in electric units -----	185	185	85	77	18	5	—	—	—	—	—
Floor, wall, or pipeless furnace -----	85	85	53	24	8	—	—	—	—	—	—
Other means -----	888	803	461	299	43	—	85	54	26	—	5
None -----	—	—	—	—	—	—	—	—	—	—	—
<b>Renter occupied housing units</b> -----	<b>11 071</b>	<b>9 242</b>	<b>5 083</b>	<b>3 806</b>	<b>321</b>	<b>32</b>	<b>1 829</b>	<b>653</b>	<b>1 106</b>	<b>3</b>	<b>67</b>
<b>PERSONS</b>											
1 person -----	4 634	3 058	2 731	327	—	—	1 576	612	964	—	—
2 persons -----	3 112	2 908	1 961	944	—	—	207	41	118	—	48
3 persons -----	1 494	1 471	336	1 115	20	—	23	—	14	—	9
4 persons -----	914	904	42	840	11	11	10	—	5	—	3
5 persons -----	531	521	13	443	52	13	10	—	5	—	5
6 persons or more -----	386	383	—	137	238	8	3	—	—	3	—
Median -----	1.8	2.0	1.4	3.1	6.3	...	1.1	1.0	1.1	...	...
Units with roomers, boarders, or lodgers -----	406	357	133	194	30	—	49	5	24	—	20
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 -----	162	162	102	60	—	—	—	—	—	—	—
1965 to 1968 -----	138	129	48	72	9	—	9	—	9	—	—
1960 to 1964 -----	327	320	155	148	17	—	7	7	—	—	—
1950 to 1959 -----	681	681	224	415	42	—	—	—	—	—	—
1940 to 1949 -----	243	235	104	131	—	—	8	8	—	—	—
1939 or earlier -----	9 517	7 743	4 544	2 924	253	22	1 774	572	1 127	5	70
<b>INCOME IN 1969</b>											
Less than \$2,000 -----	2 729	1 754	1 302	431	15	6	975	357	590	—	28
\$2,000 to \$2,999 -----	1 300	978	654	324	—	—	322	100	208	—	14
\$3,000 to \$3,999 -----	1 204	1 020	593	412	15	—	184	61	115	3	5
\$4,000 to \$4,999 -----	835	728	338	359	31	—	107	43	60	—	4
\$5,000 to \$5,999 -----	843	792	412	335	40	5	51	17	34	—	—
\$6,000 to \$6,999 -----	731	681	295	357	29	—	50	19	31	—	—
\$7,000 to \$9,999 -----	1 833	1 714	762	801	143	8	119	51	58	—	10
\$10,000 to \$14,999 -----	1 190	1 169	506	625	25	13	21	5	10	—	6
\$15,000 to \$24,999 -----	317	317	179	115	23	—	—	—	—	—	—
\$25,000 or more -----	89	89	42	47	—	—	—	—	—	—	—
Median -----	\$4 400	\$5 200	\$4 000	\$6 100	\$7 600	...	\$2000	\$2000	\$2000	...	...
<b>GROSS RENT AS PERCENTAGE OF INCOME</b> Specified renter occupied <sup>2</sup>											
Less than 10 percent -----	11 044	9 215	5 066	3 796	321	32	1 829	653	1 106	3	67
10 to 14 percent -----	877	698	343	318	31	6	179	42	126	—	11
15 to 19 percent -----	1 526	1 326	632	637	52	5	200	75	125	—	—
20 to 24 percent -----	1 723	1 469	666	710	85	8	254	61	184	—	9
25 to 34 percent -----	1 067	889	424	413	52	—	178	57	109	3	9
35 percent or more -----	1 685	1 396	720	621	48	7	289	74	192	—	23
Not computed -----	3 334	2 710	1 848	830	26	6	624	311	303	—	10
None -----	832	727	433	267	27	—	105	33	67	—	5
<b>HEATING EQUIPMENT</b>											
Steam or hot water -----	5 693	4 229	2 548	1 617	59	5	1 464	469	959	—	36
Warm-air furnace -----	4 469	4 154	2 099	1 825	211	19	315	143	138	3	31
Built-in electric units -----	110	103	39	64	—	—	7	—	—	—	—
Floor, wall, or pipeless furnace -----	21	21	14	—	—	—	—	—	—	—	—
Other means -----	778	735	383	300	44	8	43	34	9	—	—
None -----	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table B-5. Rooms in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>22 313</b>	<b>77</b>	<b>56</b>	<b>633</b>	<b>3 505</b>	<b>6 610</b>	<b>6 646</b>	<b>2 571</b>	<b>2 215</b>	<b>5.5</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	21 919	48	43	598	3 531	6 339	6 545	2 661	2 154	5.6
<b>PERSONS</b>										
1 person	3 172	28	35	312	884	881	706	225	101	4.9
2 persons	6 969	17	21	277	1 591	2 503	1 771	461	328	5.1
3 persons	3 530	10	-	23	632	1 157	1 089	440	179	5.5
4 persons	3 388	13	-	16	258	1 066	1 211	441	383	5.8
5 persons	2 468	4	-	-	89	611	990	380	394	6.0
6 persons or more	2 786	5	-	5	51	392	879	624	830	6.6
Median	2.8	...	...	1.5	2.0	2.5	3.3	3.9	4.8	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
With all plumbing facilities	22 056	58	32	568	3 445	6 551	6 636	2 556	2 210	5.6
0.50 or less	11 907	-	16	274	2 448	3 339	3 556	1 116	1 158	5.5
0.51 to 1.00	8 928	18	16	278	867	2 820	2 660	1 285	984	5.7
1.01 to 1.50	1 106	-	-	16	107	362	402	155	64	5.7
1.51 or more	115	40	-	-	23	30	18	-	4	4.3
Lacking some or all plumbing facilities	257	19	24	65	60	59	10	15	5	3.8
0.50 or less	154	-	19	38	27	45	10	10	5	4.2
0.51 to 1.00	79	10	5	22	23	14	-	5	-	...
1.01 to 1.50	4	-	-	-	4	-	-	-	-	...
1.51 or more	20	9	-	5	6	-	-	-	-	...
<b>BEDROOMS</b>										
None and 1	1 293	65	-	532	508	188	-	-	-	3.6
2	7 552	-	-	25	2 725	4 125	477	116	84	4.7
3	9 558	-	-	-	61	2 821	5 468	949	259	5.8
4 or more	4 024	-	-	-	-	80	625	1 274	2 045	7.5
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	275	4	-	9	81	73	53	26	29	5.1
1960 to 1968	1 866	14	4	16	279	611	414	207	321	5.5
1950 to 1959	3 579	-	7	43	837	1 498	676	319	199	5.1
1949 or earlier	16 593	59	45	565	2 308	4 428	5 503	2 019	1 666	5.7
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	18 854	36	43	560	3 361	5 861	5 856	2 034	1 103	5.4
2 or more	3 074	21	-	38	170	478	689	627	1 051	6.7
None or also used by another household	388	28	34	86	90	84	37	22	7	4.0
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup>	19 440	39	35	339	2 527	5 734	6 226	2 431	2 109	5.7
Less than 1.5	8 611	13	11	125	1 006	2 329	2 929	1 201	997	5.8
1.5 to 1.9	3 914	4	11	42	414	1 247	1 315	463	418	5.7
2.0 to 2.9	3 163	10	5	57	437	879	968	406	401	5.7
3.0 or more	3 659	12	8	111	659	1 254	995	346	274	5.3
Not computed	93	-	-	4	11	25	19	15	19	...
<b>Renter occupied housing units</b>	<b>11 071</b>	<b>1 369</b>	<b>1 149</b>	<b>2 208</b>	<b>2 442</b>	<b>2 386</b>	<b>1 080</b>	<b>266</b>	<b>171</b>	<b>3.6</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	9 060	208	589	1 980	2 398	2 336	1 117	274	158	4.2
<b>PERSONS</b>										
1 person	4 634	1 291	915	1 188	667	411	103	36	23	2.6
2 persons	3 112	48	207	855	963	774	207	38	20	4.0
3 persons	1 494	9	20	148	469	512	238	58	40	4.7
4 persons	914	16	-	11	266	341	186	52	42	5.0
5 persons	531	5	7	6	52	237	183	16	25	5.3
6 persons or more	386	-	-	-	25	111	163	66	21	5.8
Median	1.8	1.0	1.1	1.4	2.1	2.5	3.5	3.5	3.6	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
With all plumbing facilities	9 242	338	615	2 036	2 391	2 345	1 080	266	171	4.2
0.50 or less	5 083	-	446	1 069	1 590	1 160	548	132	138	4.1
0.51 to 1.00	3 806	327	142	950	727	1 074	444	109	33	4.2
1.01 to 1.50	321	-	20	11	66	111	88	25	-	5.1
1.51 or more	32	11	7	6	8	-	-	-	-	...
Lacking some or all plumbing facilities	1 829	1 031	534	172	51	41	-	-	-	1.4
0.50 or less	653	-	469	119	40	25	-	-	-	2.2
0.51 to 1.00	1 106	964	65	53	8	16	-	-	-	1.1
1.01 to 1.50	3	-	-	-	3	-	-	-	-	...
1.51 or more	67	67	-	-	-	-	-	-	-	...
<b>BEDROOMS</b>										
None	1 782	1 441	322	19	-	-	-	-	-	1.1
1	4 089	-	925	2 258	780	107	19	-	-	3.0
2	3 466	-	-	83	1 545	1 698	140	-	-	4.6
3 or more	1 828	-	-	-	-	558	885	242	143	5.9
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	164	-	9	58	77	15	-	5	-	3.7
1960 to 1968	480	77	58	74	99	120	40	-	12	3.8
1950 to 1959	670	21	34	164	150	208	71	-	22	4.3
1949 or earlier	9 757	1 271	1 048	1 912	2 116	2 043	969	261	137	3.8
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	8 910	256	605	1 974	2 354	2 311	1 085	216	109	4.2
2 or more	227	7	-	6	44	31	32	58	49	6.3
None or also used by another household	1 931	1 101	506	189	70	44	7	-	14	1.4
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup>	11 044	1 369	1 149	2 196	2 442	2 386	1 074	262	166	3.8
Less than 10 percent	877	144	82	165	177	225	44	34	6	3.8
10 to 14 percent	1 526	150	121	358	333	337	190	17	20	3.9
15 to 19 percent	1 723	246	130	464	400	400	156	22	15	3.9
20 to 24 percent	1 067	116	125	188	214	222	164	12	26	4.0
25 to 34 percent	1 685	244	154	338	352	348	182	46	21	3.8
35 percent or more	3 334	390	487	775	749	609	242	72	10	3.5
Not computed	832	79	50	82	153	245	96	59	68	4.7

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
<b>All occupied housing units</b> .....	22 313	19 837	2 111	365	11 071	1 610	2 809	2 210	1 597	1 024	1 776	43
<b>ROOMS</b> .....												
1 room .....	77	57	20	--	1 369	51	27	69	211	254	751	6
2 rooms .....	56	39	6	11	1 149	20	84	172	318	227	328	--
3 rooms .....	633	370	243	20	2 208	122	376	553	473	311	373	--
4 rooms .....	3 503	2 567	711	23	2 442	245	923	539	351	126	244	14
5 rooms .....	6 610	5 848	660	102	2 386	412	1 041	659	133	47	69	25
6 rooms .....	6 646	6 337	304	5	1 080	444	317	177	89	47	6	--
7 rooms .....	2 571	2 474	97	--	266	188	32	16	18	12	--	--
8 rooms or more .....	2 215	2 145	70	--	171	128	9	25	4	--	5	--
Median .....	5.5	5.7	4.6	4.2	3.8	5.4	4.5	4.1	3.1	2.6	1.9	--
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b> .....												
<b>With all plumbing facilities</b> .....	22 056	19 660	2 035	361	9 242	1 571	2 752	2 010	1 218	616	1 030	45
0.50 or less .....	11 907	10 382	1 344	181	5 083	701	1 586	1 016	748	392	622	18
0.51 to 1.00 .....	8 928	8 167	592	169	3 806	760	1 052	903	446	213	405	27
1.01 to 1.50 .....	1 106	1 010	90	6	321	99	100	91	24	4	3	--
1.51 or more .....	115	101	9	5	32	11	14	--	--	7	--	--
<b>Lacking some or all plumbing facilities</b> .....	257	177	76	4	1 829	39	37	200	379	408	746	--
0.50 or less .....	154	109	45	--	653	19	33	132	194	157	118	--
0.51 to 1.00 .....	79	44	31	4	1 106	15	16	59	176	229	611	--
1.01 to 1.50 .....	4	4	--	--	3	--	3	--	--	--	--	--
1.51 or more .....	20	20	--	--	67	5	5	9	9	22	17	--
<b>BEDROOMS</b> .....												
None .....	65	42	23	--	1 782	72	110	85	319	343	827	26
1 .....	1 228	671	557	--	4 089	186	704	876	960	608	755	--
2 .....	7 552	6 170	1 065	317	3 466	478	1 505	770	380	120	189	24
3 .....	9 558	9 147	391	20	1 500	745	403	287	26	19	--	20
4 or more .....	4 024	3 879	145	--	328	272	22	--	34	--	--	--
<b>YEAR STRUCTURE BUILT</b> .....												
1969 to March 1970 .....	275	145	--	130	164	5	10	--	11	--	130	8
1965 to 1968 .....	659	517	5	137	126	24	25	--	6	40	15	16
1960 to 1964 .....	1 207	1 131	--	76	354	58	41	62	19	35	131	10
1950 to 1959 .....	3 579	3 503	54	22	670	76	45	280	81	16	167	5
1940 to 1949 .....	1 920	1 884	36	--	274	135	70	28	41	--	--	--
1939 or earlier .....	14 673	12 657	2 016	--	9 483	1 312	2 618	1 840	1 441	933	1 333	6
<b>INCOME IN 1969</b> .....												
Less than \$2,000 .....	1 968	1 534	415	19	2 729	227	576	498	420	372	630	6
\$2,000 to \$2,999 .....	1 300	1 051	223	26	1 300	82	266	239	313	144	256	--
\$3,000 to \$3,999 .....	1 192	965	200	27	1 204	185	249	263	180	137	181	9
\$4,000 to \$4,999 .....	1 029	843	146	40	835	117	223	194	89	64	138	10
\$5,000 to \$5,999 .....	969	803	127	39	843	135	229	169	120	66	119	5
\$6,000 to \$6,999 .....	1 096	955	118	23	731	112	244	168	92	51	56	8
\$7,000 to \$9,999 .....	4 790	4 250	438	102	1 833	355	581	402	241	107	140	7
\$10,000 to \$14,999 .....	6 078	5 710	289	79	1 190	310	342	224	106	68	140	--
\$15,000 to \$24,999 .....	3 170	3 015	145	10	317	67	85	53	30	15	67	--
\$25,000 or more .....	721	711	10	--	89	20	14	--	6	--	49	--
Median .....	\$9 300	\$9 700	\$5 600	\$7 300	\$4 400	\$6 500	\$5 400	\$4 500	\$3 400	\$3 000	\$3 000	--
<b>YEAR MOVED INTO UNIT</b> .....												
1969 to March 1970 .....	1 820	1 435	190	195	4 833	731	1 261	1 073	686	402	643	37
1968 .....	1 299	1 128	102	69	1 587	243	476	269	280	105	214	--
1967 .....	1 292	1 167	70	55	963	153	211	235	81	137	146	--
1965 and 1966 .....	1 863	1 722	135	6	947	106	248	189	130	105	169	--
1960 to 1964 .....	3 684	3 426	225	33	1 360	158	348	208	196	114	336	--
1950 to 1959 .....	5 955	5 500	446	9	849	131	202	155	127	83	151	--
1949 or earlier .....	6 403	5 447	956	--	529	80	118	91	63	58	119	--
<b>GROSS RENT</b> .....												
<b>Specified renter occupied<sup>1</sup></b> .....	11 044	1 583	2 809	2 210	1 597	1 024	1 776	43				
Less than \$50 .....	1 599	53	154	114	289	335	648	6				
\$50 to \$59 .....	734	56	134	156	194	96	98	--				
\$60 to \$69 .....	879	58	233	271	150	52	115	--				
\$70 to \$79 .....	1 005	24	308	307	157	109	90	10				
\$80 to \$89 .....	2 382	261	878	511	333	170	229	--				
\$100 to \$119 .....	1 549	270	468	339	218	111	143	--				
\$120 to \$149 .....	1 246	265	381	234	122	69	157	18				
\$150 to \$199 .....	718	212	125	89	86	59	136	11				
\$200 to \$299 .....	244	81	43	19	4	12	85	--				
\$300 or more .....	58	27	--	--	--	--	31	--				
No cash rent .....	630	276	85	170	44	11	44	--				
Median .....	\$88	\$115	\$91	\$87	\$79	\$72	\$71	--				
<b>HEATING EQUIPMENT</b> .....												
Steam or hot water .....	4 958	4 238	720	--	5 693	351	919	1 064	1 060	799	1 494	6
Warm-air furnace .....	16 197	14 603	1 238	356	4 469	1 087	1 546	903	472	213	209	39
Built-in electric units .....	185	145	15	5	110	--	19	5	13	--	73	--
Floor, wall, or pipeless furnace .....	85	80	5	--	21	17	4	--	--	--	--	--
Other means .....	888	751	133	4	778	155	321	238	52	12	--	--
None .....	--	--	--	--	--	--	--	--	--	--	--	--
<b>AIR CONDITIONING</b> .....												
Room unit(s) .....	524	479	32	13	226	43	22	50	32	58	21	--
Central system .....	249	210	27	12	96	--	28	9	--	8	38	13
None .....	21 543	19 136	2 065	342	10 746	1 559	2 814	2 161	1 531	938	1 719	24
<b>AUTOMOBILES AVAILABLE</b> .....												
1 .....	12 076	10 731	1 060	285	5 112	916	1 427	1 156	695	352	529	37
2 .....	6 063	5 450	337	76	981	301	252	212	65	55	96	--
3 or more .....	1 137	1 081	56	--	167	52	63	38	14	--	--	--
None .....	3 040	2 363	671	6	4 808	333	1 122	814	789	597	1 153	--

<sup>1</sup>Excludes one-family homes on 10 acres or more.

**Table B-7. Household Composition for Owner and Renter Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b> .....	22 313	404	2 620	3 263	7 352	2 986	515	163	1 252	586	1 216	1 956
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b> .....	22 056	399	2 606	3 252	7 313	2 935	510	146	1 248	573	1 186	1 888
0.50 or less	11 907	195	533	437	3 718	2 439	250	121	706	452	1 172	1 884
0.51 to 1.00	8 928	200	1 850	2 319	3 189	481	216	25	512	118	14	4
1.01 to 1.50	1 106	—	223	455	350	11	44	—	20	3	—	—
1.51 or more	115	4	—	41	56	4	—	—	10	—	—	—
<b>Lacking some or all plumbing facilities</b> .....	257	5	14	11	39	51	5	17	4	13	30	68
0.50 or less	154	—	—	—	19	34	—	5	—	8	25	63
0.51 to 1.00	79	5	5	—	16	17	5	12	4	5	5	5
1.01 to 1.50	4	—	4	—	—	—	—	—	—	—	—	—
1.51 or more	20	—	5	11	4	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1	19 837	289	2 334	3 119	6 794	2 578	455	152	1 161	507	928	1 520
2 or more	2 111	48	145	127	525	378	44	11	87	79	240	427
Mobile home or trailer	365	67	141	17	33	30	16	—	4	—	48	9
<b>INCOME IN 1969</b>												
Less than \$2,000	1 968	15	5	27	91	256	5	5	126	80	308	1 050
\$2,000 to \$2,999	1 300	9	9	16	47	467	9	31	84	52	118	458
\$3,000 to \$3,999	1 192	9	20	5	106	476	19	14	118	80	119	226
\$4,000 to \$4,999	1 029	21	36	21	136	405	39	24	132	49	107	59
\$5,000 to \$5,999	969	32	56	37	216	238	17	17	137	25	143	49
\$6,000 to \$6,999	1 096	30	145	96	283	237	7	29	92	66	89	22
\$7,000 to \$7,999	4 790	150	982	710	1 812	399	169	19	201	111	184	53
\$10,000 to \$14,999	6 078	101	1 058	1 394	2 637	257	170	15	248	55	110	33
\$15,000 to \$24,999	3 170	27	287	771	1 670	166	68	—	99	57	19	6
\$25,000 or more	721	10	22	186	354	85	10	9	15	11	19	—
Median	\$9 300	\$8 700	\$10 300	\$12 600	\$11 900	\$4 700	\$9 800	\$5 400	\$6 300	\$6 100	\$4 600	\$2000—
<b>VALUE-INCOME RATIO</b>												
<b>Specified owner occupied<sup>1</sup></b> .....	19 440	289	2 305	3 086	6 666	2 521	441	152	1 109	486	912	1 473
Less than 1.5	8 611	165	1 117	1 594	3 960	593	290	48	345	173	252	74
1.5 to 1.9	3 914	74	708	769	1 471	358	82	50	193	63	99	47
2.0 to 2.4	2 011	21	264	430	584	322	40	—	136	44	91	79
2.5 to 2.9	1 152	15	116	158	231	315	5	17	119	16	63	97
3.0 to 3.9	1 160	—	85	80	229	355	4	18	75	63	96	155
4.0 or more	2 499	14	15	55	191	578	20	19	189	127	281	1 010
Not computed	93	—	—	—	—	—	—	—	52	—	30	11
<b>Renter occupied housing units</b> .....	11 071	1 260	1 288	546	801	514	374	46	1 368	240	2 406	2 228
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b> .....	9 242	1 241	1 273	540	764	456	355	39	1 323	193	1 574	1 484
0.50 or less	5 083	386	308	144	356	308	117	34	571	128	1 415	1 316
0.51 to 1.00	3 806	837	866	314	363	145	232	5	656	61	159	168
1.01 to 1.50	321	11	99	82	31	3	—	—	91	4	—	—
1.51 or more	32	7	—	—	14	—	6	—	5	—	—	—
<b>Lacking some or all plumbing facilities</b> .....	1 829	19	15	6	37	58	19	7	45	47	832	744
0.50 or less	653	9	—	—	16	—	—	—	6	10	287	325
0.51 to 1.00	1 106	6	15	6	31	25	5	7	31	16	545	419
1.01 to 1.50	3	—	—	—	—	—	—	—	3	—	—	—
1.51 or more	67	4	—	—	6	17	14	—	5	21	—	—
<b>UNITS IN STRUCTURE</b>												
1	1 610	160	365	160	219	61	96	5	289	9	145	101
2 to 4	5 019	787	696	306	412	256	197	34	749	111	816	655
5 to 19	2 621	234	185	47	89	110	61	—	271	88	821	715
20 or more	1 776	60	42	18	81	87	20	7	59	32	619	751
Mobile home or trailer	45	19	—	15	—	—	—	—	—	—	5	6
<b>GROSS RENT</b>												
<b>Specified renter occupied<sup>2</sup></b> .....	11 044	1 260	1 288	542	790	514	374	46	1 368	240	2 401	2 221
Less than \$50	1 599	19	12	5	33	50	6	7	10	14	660	783
\$50 to \$59	734	44	25	11	21	16	22	—	51	45	257	242
\$60 to \$69	879	61	38	15	51	58	25	5	108	16	307	185
\$70 to \$79	1 005	145	61	30	73	59	54	7	120	10	220	226
\$80 to \$89	2 382	458	313	70	187	105	75	—	338	74	444	318
\$100 to \$119	1 549	260	260	99	102	73	51	10	363	25	175	131
\$120 to \$149	1 246	167	241	107	103	52	51	5	243	6	147	124
\$150 to \$199	718	74	144	74	67	35	50	—	96	34	82	41
\$200 to \$299	244	23	63	20	28	20	11	—	17	5	16	—
\$300 or more	58	—	6	21	6	5	—	—	—	—	—	15
No cash rent	630	9	125	90	119	41	24	12	22	11	93	84
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
<b>Specified renter occupied<sup>2</sup></b> .....	11 044	1 260	1 288	542	790	514	374	46	1 368	240	2 401	2 221
Less than \$5,000	6 056	434	118	34	121	343	203	41	983	165	1 574	2 040
Less than 20 percent	695	32	10	5	8	43	4	—	34	14	318	227
20 to 24 percent	496	63	29	5	25	31	14	—	29	10	176	114
25 to 34 percent	1 223	163	25	—	39	105	24	5	222	30	272	338
35 percent or more	3 217	172	44	24	44	143	139	24	624	105	655	1 243
Not computed	425	4	10	—	5	21	22	12	74	6	153	118
\$5,000 to \$9,999	3 403	685	724	293	343	615	126	—	294	38	680	105
Less than 20 percent	2 124	461	399	138	246	58	81	—	138	18	544	41
20 to 24 percent	523	114	109	46	16	26	16	—	86	15	73	22
25 to 34 percent	418	70	120	52	24	16	19	—	54	—	39	24
35 percent or more	104	31	9	7	—	10	—	—	9	5	5	18
Not computed	234	9	87	50	47	15	—	—	7	—	19	—
\$10,000 to \$14,999	1 184	129	375	157	201	36	29	—	75	33	112	37
Less than 20 percent	972	112	317	100	162	31	24	—	75	22	107	22
20 to 24 percent	43	10	9	18	—	—	—	—	—	6	—	—
25 percent or more	50	7	21	5	4	—	5	—	—	—	—	8
Not computed	119	—	28	34	35	5	—	—	—	5	—	7
\$15,000 or more	401	12	71	58	125	20	16	5	16	4	35	39
Less than 20 percent	335	12	66	47	93	20	11	5	16	4	35	26
20 to 24 percent	5	—	—	5	—	—	—	—	—	—	—	7
25 percent or more	7	—	—	—	—	—	—	—	—	—	—	—
Not computed	54	—	5	6	32	—	5	—	—	—	—	—

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B-8. Persons in Owner and Renter Occupied Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b> .....	<b>22 313</b>	<b>3 172</b>	<b>6 969</b>	<b>3 530</b>	<b>3 388</b>	<b>2 468</b>	<b>1 287</b>	<b>857</b>	<b>642</b>	<b>2.8</b>
<b>BEDROOMS</b>										
None and 1 .....	1 293	719	498	34	21	21	—	—	—	1.4
2 .....	7 552	1 601	3 355	1 373	769	258	114	82	—	2.1
3 .....	9 558	552	2 820	1 938	1 821	1 300	744	301	82	3.2
4 or more .....	4 024	271	497	250	635	823	557	635	356	4.9
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	275	16	100	47	37	40	23	12	—	3.0
1965 to 1968 .....	659	35	92	104	208	97	73	39	11	4.0
1960 to 1964 .....	1 207	63	308	186	244	218	120	28	40	3.7
1950 to 1959 .....	3 579	269	1 105	694	659	457	157	168	70	3.1
1940 to 1949 .....	1 920	176	677	417	320	147	77	73	33	2.8
1939 or earlier .....	14 673	2 613	4 687	2 082	1 920	1 509	837	537	488	2.5
<b>UNITS IN STRUCTURE</b>										
1 .....	19 837	2 448	6 075	3 196	3 146	2 350	1 180	828	614	2.9
2 or more .....	2 111	667	760	274	157	100	101	24	28	2.0
Mobile home or trailer .....	365	57	134	60	85	18	6	5	—	2.4
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	18 854	2 931	6 306	2 974	2 788	1 891	944	586	434	2.6
2 and 2 1/2 .....	2 729	130	526	376	561	458	237	236	205	4.1
3 or more .....	345	14	53	39	68	59	33	6	73	4.5
None or also used by another household .....	388	132	93	72	28	29	7	13	14	2.2
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>19 141</b>	...	<b>6 969</b>	<b>3 530</b>	<b>3 388</b>	<b>2 468</b>	<b>1 287</b>	<b>857</b>	<b>642</b>	<b>3.2</b>
Male head, wife present, no nonrelatives .....	16 625	5 734	2 962	3 061	2 279	1 204	2 279	784	601	3.4
Under 25 years .....	404	146	134	90	20	7	—	—	—	2.9
25 to 34 years .....	2 620	271	471	851	607	267	119	34	34	4.2
35 to 44 years .....	3 263	178	271	697	814	540	412	351	51	5.1
45 to 64 years .....	7 352	2 718	1 670	1 313	807	382	246	216	31	3.1
65 years and over .....	2 986	2 421	416	110	31	8	—	—	—	2.1
Other male head .....	678	321	138	66	52	38	35	28	26	2.6
Under 65 years .....	515	204	102	60	52	38	35	24	30	3.0
65 years and over .....	163	117	36	6	—	—	—	—	—	2.2
Female head .....	1 838	914	430	261	137	45	38	13	25	2.5
Under 65 years .....	1 252	522	289	221	129	40	38	13	29	2.9
65 years and over .....	586	392	141	40	8	5	—	—	—	2.2
<b>One-person households</b> .....	<b>3 172</b>	...	...	...	...	...	...	...	...	<b>1.0</b>
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	<b>19 440</b>	<b>2 385</b>	<b>5 955</b>	<b>3 151</b>	<b>3 078</b>	<b>2 299</b>	<b>1 170</b>	<b>810</b>	<b>592</b>	<b>2.9</b>
Less than 1.5 .....	8 611	326	2 220	1 707	1 572	1 206	666	509	405	3.5
1.5 to 1.9 .....	3 914	146	1 132	724	789	597	294	130	102	3.4
2.0 to 2.4 .....	2 011	170	729	252	310	274	114	106	56	2.9
2.5 to 2.9 .....	1 152	160	452	149	198	102	49	18	24	2.4
3.0 to 3.9 .....	1 160	251	551	151	93	48	27	34	5	2.1
4.0 or more .....	2 499	1 291	861	149	97	72	16	13	—	1.5
Not computed .....	93	41	10	19	—	—	4	—	—	...
<b>Renter occupied housing units</b> .....	<b>11 071</b>	<b>4 634</b>	<b>3 112</b>	<b>1 494</b>	<b>914</b>	<b>531</b>	<b>208</b>	<b>107</b>	<b>71</b>	<b>1.8</b>
<b>BEDROOMS</b>										
None .....	1 782	1 643	98	—	21	20	—	—	—	1.0
1 .....	4 089	2 274	1 476	274	65	—	—	—	—	1.4
2 .....	3 466	639	1 156	813	584	208	22	44	—	2.4
3 or more .....	1 828	178	321	285	423	273	220	65	63	3.8
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	164	49	91	14	10	—	—	—	—	1.9
1965 to 1968 .....	126	28	44	20	16	18	—	—	—	2.3
1960 to 1964 .....	354	154	89	10	42	33	12	7	7	1.8
1950 to 1959 .....	670	155	160	118	91	82	44	6	14	2.7
1940 to 1949 .....	274	71	73	44	36	42	4	—	4	2.4
1939 or earlier .....	9 483	4 177	2 655	1 288	719	356	148	94	46	1.7
<b>UNITS IN STRUCTURE</b>										
1 .....	1 610	246	353	371	280	180	87	66	27	3.1
2 .....	2 809	703	996	555	295	167	52	33	8	2.2
3 and 4 .....	2 210	768	658	353	221	131	58	—	21	2.0
5 to 9 .....	1 597	868	489	104	84	25	8	4	15	1.4
10 to 19 .....	1 024	668	285	43	13	11	—	4	—	1.3
20 or more .....	1 776	1 370	318	54	21	10	3	—	—	1.1
Mobile home or trailer .....	45	11	13	14	—	7	—	—	—	...
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	8 910	2 926	2 822	1 490	803	532	189	88	60	2.0
2 or more .....	227	38	55	40	37	27	5	15	10	3.0
None or also used by another household .....	1 931	1 633	246	28	19	—	5	—	—	1.1
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>6 437</b>	...	<b>3 112</b>	<b>1 494</b>	<b>914</b>	<b>531</b>	<b>208</b>	<b>107</b>	<b>71</b>	<b>2.6</b>
Male head, wife present, no nonrelatives .....	4 409	1 976	1 090	644	429	130	87	53	27	2.7
Under 25 years .....	1 260	612	505	119	17	—	—	—	—	2.5
25 to 34 years .....	1 288	345	341	291	225	41	38	7	7	3.4
35 to 44 years .....	546	121	74	116	113	60	28	34	4.2	
45 to 64 years .....	801	436	140	108	65	29	11	12	2.4	
65 years and over .....	514	462	30	10	9	—	3	—	—	2.1
Other male head .....	420	216	74	97	33	—	—	—	—	2.5
Under 65 years .....	374	182	69	90	33	—	—	—	—	2.6
65 years and over .....	46	34	5	7	—	—	—	—	—	2.4
Female head .....	1 608	920	330	173	69	78	20	18	20	2.5
Under 65 years .....	1 368	709	311	169	63	78	20	18	20	2.5
65 years and over .....	240	211	19	4	6	—	—	—	—	2.1
<b>One-person households</b> .....	<b>4 634</b>	...	...	...	...	...	...	...	...	<b>1.0</b>
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	<b>11 044</b>	<b>4 622</b>	<b>3 107</b>	<b>1 494</b>	<b>914</b>	<b>531</b>	<b>202</b>	<b>103</b>	<b>71</b>	<b>1.8</b>
Less than 10 percent .....	877	315	273	121	83	64	11	6	4	2.0
10 to 14 percent .....	1 526	423	557	272	138	83	33	13	7	2.1
15 to 19 percent .....	1 723	582	520	264	171	101	41	33	11	2.0
20 to 24 percent .....	1 067	385	262	169	125	68	17	20	21	2.1
25 to 34 percent .....	1 685	681	461	242	118	104	41	17	21	1.9
35 percent or more .....	3 334	1 928	817	322	178	45	23	14	7	1.4
Not computed .....	832	308	217	104	101	66	—	—	—	2.0

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970**

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Duluth					Duluth				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b>	113	39	15	59	<b>Vacant for rent</b>	563	385	93	85
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	4	-	4	-	1 room	142	112	30	-
4 rooms	19	8	-	11	2 rooms	54	43	-	11
5 rooms	30	14	-	16	3 rooms	97	69	17	11
6 rooms	18	8	6	4	4 rooms	165	122	35	8
7 rooms or more	42	9	5	28	5 rooms	71	26	11	34
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities	105	39	11	55	6 rooms	21	13	-	8
Lacking some or all plumbing facilities	8	-	4	4	7 rooms or more	13	-	-	13
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1	-	-	-	-	With all plumbing facilities	384	251	55	78
2	57	-	-	57	Lacking some or all plumbing facilities	179	134	38	7
3	-	-	-	-	<b>BEDROOMS</b>				
4 or more	-	-	-	-	None	176	144	32	-
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970	32	13	-	19	1	223	143	27	53
1960 to 1968	10	10	-	-	2	163	131	-	32
1950 to 1959	6	-	6	-	3 or more	26	26	-	-
1949 or earlier	65	16	9	40	<b>UNITS IN STRUCTURE</b>				
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1	98	39	15	44	1969 to March 1970	81	64	17	-
2 or more	15	-	-	15	1960 to 1968	-	-	-	-
<b>HEATING EQUIPMENT</b>					<b>HEATING EQUIPMENT</b>				
Steam or hot water	34	-	-	34	1950 to 1959	10	10	-	-
Warm-air furnace	64	33	10	21	1949 or earlier	472	311	76	85
Built-in electric units	6	6	-	-	<b>RENT ASKED</b>				
Floor, wall, or pipeless furnace	-	-	-	-	<b>RENT ASKED</b>				
Other means	5	-	5	-	Specified vacant for rent <sup>2</sup>	563	385	93	85
None	4	-	-	4	Less than \$50	198	137	46	15
<b>SALES PRICE ASKED</b>					<b>SALES PRICE ASKED</b>				
Specified vacant for sale <sup>1</sup>	98	39	15	44	\$50 to \$59	35	27	-	8
Less than \$5,000	17	-	9	8	\$60 to \$79	108	71	14	23
\$5,000 to \$9,999	10	-	-	10	\$80 to \$99	57	43	4	10
\$10,000 to \$14,999	18	12	6	-	\$100 to \$119	50	21	8	21
\$15,000 to \$19,999	8	8	-	-	\$120 to \$149	26	18	4	4
\$20,000 to \$24,999	21	10	-	11	\$150 to \$199	51	41	6	4
\$25,000 to \$34,999	-	-	-	-	\$200 or more	38	27	11	-
\$35,000 to \$49,999	15	-	-	15	Median rent asked	\$69	\$68	...	...
\$50,000 or more	9	9	-	-					
Median price asked	...	...	...	...					

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table B-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970**

[Data based on sample, see text. For meaning of symbols, see text]

Duluth	Sales price asked - Vacant for sale <sup>1</sup>							Rent asked - Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b>	98	27	18	8	21	-	24	563	233	108	57	76	51	38
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities	16	16	-	-	-	-	-	380	96	102	26	26	78	52
Lacking some or all plumbing facilities	-	-	-	-	-	-	-	208	192	16	-	-	-	-
<b>BEDROOMS</b>														
None and 1	-	-	-	-	-	-	-	399	246	75	-	26	52	-
2	16	16	-	-	-	-	-	163	42	43	26	-	26	26
3	-	-	-	-	-	-	-	26	-	-	-	-	-	26
4 or more	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970	32	-	-	4	4	-	24	81	-	-	-	5	38	38
1960 to 1968	10	-	-	-	10	-	-	-	-	-	-	-	-	-
1950 to 1959	6	-	6	-	-	-	-	10	4	-	-	6	-	-
1949 or earlier	50	27	12	4	7	-	-	472	229	108	57	65	13	-
<b>UNITS IN STRUCTURE</b>														
1	...	...	...	...	...	...	...	45	8	19	-	18	-	-
2 to 4	...	...	...	...	...	...	...	226	61	70	37	49	9	-
5 to 19	...	...	...	...	...	...	...	109	72	15	14	4	4	-
20 or more	...	...	...	...	...	...	...	183	92	4	6	5	38	38
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included	...	...	...	...	...	...	...	291	189	41	31	24	6	-
Some or no utilities included	...	...	...	...	...	...	...	272	44	67	26	52	45	38

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.



Table C-1. Value of Owner Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 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)
<b>Specified owner occupied<sup>1</sup></b>	5 998	766	1 023	1 027	835	601	899	460	281	82	24	10 500
<b>ROOMS</b>												
1 and 2 rooms	21	6	4	5	—	—	—	6	—	—	—	...
3 rooms	61	18	11	22	5	5	—	—	—	—	—	...
4 rooms	665	122	91	90	103	82	106	52	19	—	—	10 700
5 rooms	1 691	253	339	260	175	147	278	149	81	9	—	9 900
6 rooms	1 993	201	304	367	338	226	316	134	82	25	—	10 900
7 rooms	1 012	99	176	209	137	88	151	79	37	26	10	10 400
8 rooms or more	555	67	98	74	77	53	48	40	62	22	14	11 300
Median	5.8	5.4	5.7	5.9	5.9	5.8	5.7	5.7	6.0	...	...	...
<b>PERSONS</b>												
1 person	828	187	163	209	128	45	51	28	13	4	—	8 300
2 persons	1 942	263	364	301	222	232	306	154	65	25	10	10 500
3 persons	903	97	185	167	90	106	131	63	40	15	9	10 100
4 persons	856	58	115	122	155	93	155	77	70	6	5	12 100
5 persons	676	82	63	87	111	26	140	83	73	11	—	12 400
6 persons or more	793	79	133	141	129	99	116	55	20	21	—	10 800
Median	2.8	2.2	2.5	2.5	3.3	2.7	3.2	3.3	3.8	...	...	...
Units with roomers, boarders, or lodgers	94	15	26	22	5	—	9	11	6	—	—	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	5 900	700	1 006	1 012	835	601	899	460	281	82	24	10 700
0.50 or less	3 258	431	614	600	418	343	435	225	124	44	24	9 900
0.51 to 1.00	2 327	227	323	342	383	236	421	214	147	34	—	11 800
1.01 to 1.50	288	42	69	60	34	16	38	15	10	4	—	8 900
1.51 or more	27	—	—	10	—	6	5	—	—	—	—	...
<b>Lacking some or all plumbing facilities</b>	98	66	17	15	—	—	—	—	—	—	—	...
0.50 or less	84	62	12	10	—	—	—	—	—	—	—	...
0.51 to 1.00	10	—	5	5	—	—	—	—	—	—	—	...
1.01 to 1.50	4	—	—	—	—	—	—	—	—	—	—	...
1.51 or more	—	—	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>												
None and 1	281	130	61	90	—	—	—	—	—	—	—	...
2	1 689	327	358	350	281	85	146	62	80	—	—	8 600
3	3 205	300	530	368	480	389	655	286	117	80	—	12 100
4 or more	925	101	162	122	80	145	179	65	71	—	—	12 400
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	25	—	—	—	—	—	—	16	9	—	—	...
1965 to 1968	237	—	9	—	5	20	30	69	63	41	—	23 900
1960 to 1964	314	—	—	10	10	29	78	91	75	16	5	21 600
1950 to 1959	568	7	25	12	72	77	182	93	74	21	5	17 400
1940 to 1949	222	21	11	20	42	40	43	31	9	—	5	13 600
1939 or earlier	4 632	738	978	985	706	435	566	160	51	4	9	9 000
<b>COMPLETE BATHROOMS</b>												
1 and 1 1/2	5 463	663	936	995	776	560	836	440	186	60	11	10 400
2 and 2 1/2	418	20	42	45	76	29	33	36	108	15	14	14 700
3 or more	27	7	—	—	—	—	5	—	—	9	6	...
None or also used by another household	100	65	13	15	—	—	—	7	—	—	—	...
<b>HOUSEHOLD COMPOSITION</b>												
<b>Two-or-more-person households</b>	5 170	579	860	818	707	556	848	432	268	78	24	11 200
Male head, wife present, no nonrelatives	4 446	441	665	712	668	471	765	382	250	73	19	11 500
Under 25 years	48	10	—	9	—	5	—	—	—	—	—	...
25 to 34 years	577	48	85	93	79	59	112	66	23	12	—	12 000
35 to 44 years	901	36	106	128	174	84	210	85	57	21	—	12 700
45 to 64 years	2 092	227	329	308	309	245	294	181	150	35	14	11 500
65 years and over	828	120	145	174	97	78	134	50	20	5	5	9 600
Other male head	222	41	60	19	18	21	31	16	6	5	5	8 800
Under 65 years	162	31	60	19	11	17	26	16	—	5	5	9 800
65 years and over	60	10	23	5	7	4	5	—	—	—	—	...
Female head	502	97	135	87	21	64	52	34	12	—	—	8 000
Under 65 years	365	76	109	53	11	48	32	24	12	—	—	7 400
65 years and over	137	21	26	34	10	16	20	10	—	—	—	9 100
<b>One-person households</b>	828	187	163	209	128	45	51	28	13	4	—	8 300
Under 65 years	347	78	61	93	51	13	24	18	9	—	—	8 400
65 years and over	481	109	102	116	77	32	27	10	4	4	—	8 100
<b>INCOME IN 1969</b>												
less than \$2,000	487	138	86	95	59	14	61	34	—	—	—	8 000
\$2,000 to \$2,999	382	112	75	85	39	33	17	15	—	6	—	7 600
\$3,000 to \$3,999	319	67	64	66	54	26	26	11	5	—	—	8 600
\$4,000 to \$4,999	314	47	66	68	41	33	22	14	18	5	—	9 100
\$5,000 to \$5,999	294	60	82	48	25	32	34	9	—	4	—	7 800
\$6,000 to \$6,999	344	63	103	52	40	24	45	12	5	—	—	7 800
\$7,000 to \$9,999	1 481	164	332	258	249	160	188	77	53	—	—	9 900
\$10,000 to \$14,999	1 631	79	168	301	249	225	350	165	67	17	10	12 700
\$15,000 to \$24,999	614	31	35	50	69	44	108	100	37	—	—	17 200
\$25,000 or more	132	5	12	4	10	10	16	15	33	13	14	23 000
Median	\$8 700	\$5 300	\$7 300	\$8 200	\$8 900	\$9 600	\$10 800	\$11 800	\$14 400	...	...	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	319	66	15	60	44	26	47	38	23	—	—	11 100
1968	302	38	52	22	39	33	50	37	11	20	—	12 500
1967	335	54	32	55	33	19	58	27	30	20	—	12 000
1965 and 1966	641	68	53	112	53	78	125	106	37	16	—	13 600
1960 to 1964	1 033	100	99	169	129	86	168	151	97	21	11	13 100
1950 to 1959	1 664	170	333	237	288	188	262	112	61	7	6	10 800
1949 or earlier	1 714	259	407	400	266	157	164	12	35	—	14	8 700
<b>HEATING EQUIPMENT</b>												
Steam or hot water	1 512	37	160	178	201	175	312	190	179	60	20	15 100
Warm-air furnace	3 400	271	474	700	586	414	557	270	102	22	4	11 100
Built-in electric units	31	10	16	5	—	—	—	—	—	—	—	...
Floor, wall, or pipeless furnace	200	72	93	26	4	—	5	—	—	—	—	5 800
Other means	855	376	280	118	44	12	25	—	—	—	—	5 500
None	—	—	—	—	—	—	—	—	—	—	—	...
<b>AIR CONDITIONING</b>												
Room unit(s)	101	8	10	14	5	12	28	15	9	—	—	...
Central system	54	—	15	13	19	7	—	—	—	—	—	...
None	5 853	747	966	1 028	828	570	846	468	285	84	31	10 600

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

Table C-2. Gross Rent of Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied¹	3 694	606	318	385	406	809	419	404	170	20	-	157	81
<b>ROOMS</b>													
1 room	226	174	36	-	-	11	-	-	-	-	-	5	50-
2 rooms	368	114	89	73	20	30	15	16	-	-	-	11	57
3 rooms	718	107	62	133	117	158	61	51	10	-	-	19	74
4 rooms	915	113	92	79	87	217	85	126	88	6	-	22	86
5 rooms	771	88	33	72	84	218	103	109	27	-	-	37	87
6 rooms	454	10	6	19	57	120	96	70	35	-	-	41	89
7 rooms	181	-	-	9	30	52	41	26	10	9	-	4	99
8 rooms or more	61	-	-	-	11	3	18	6	-	5	-	18	99
Median	4.1	2.6	3.0	3.4	4.3	4.4	5.0	4.6	4.4	...	-	5.1	...
<b>PERSONS</b>													
1 person	1 378	415	200	203	109	207	66	99	20	-	-	59	42
2 persons	1 037	49	63	110	152	286	177	99	59	10	-	32	89
3 persons	576	73	30	37	57	149	96	82	33	-	-	19	88
4 persons	339	24	9	5	20	101	25	95	29	5	-	26	100
5 persons	157	16	10	19	39	25	18	11	19	-	-	-	79
6 persons or more	207	29	6	11	29	41	37	18	10	5	-	21	68
Median	1.9	1.2	1.3	1.4	2.1	2.2	2.3	2.5	2.7	...	-	2.1	...
Units with roomers, boarders, or lodgers	155	-	-	20	31	34	31	22	8	-	-	9	94
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>													
0.50 or less	1 824	205	133	237	217	410	236	197	89	15	-	141	83
0.51 to 1.00	1 279	131	89	91	156	346	151	197	66	5	-	85	84
1.01 to 1.50	126	29	6	10	12	20	21	4	15	-	-	47	88
1.51 or more	6	-	-	-	6	-	-	-	-	-	-	9	81
<b>Lacking some or all plumbing facilities</b>													
0.50 or less	459	241	90	47	15	33	11	6	-	-	-	16	50-
0.51 to 1.00	207	67	69	25	10	14	5	6	-	-	-	11	54
1.01 to 1.50	242	169	21	22	5	14	6	-	-	-	-	5	50-
1.51 or more	5	5	-	-	-	-	-	-	-	-	-	-	...
<b>BEDROOMS</b>													
None	336	219	48	-	23	46	-	-	-	-	-	-	...
1	1 347	245	199	225	211	261	65	45	46	-	-	50	69
2	1 299	200	45	150	113	365	78	139	148	-	-	61	84
3 or more	863	99	28	18	122	158	243	85	55	-	-	55	98
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	21	-	-	-	-	-	-	6	9	6	-	-	...
1965 to 1968	143	16	17	-	12	6	-	60	46	-	-	6	134
1960 to 1964	119	31	-	6	18	10	9	27	5	-	-	13	79
1950 to 1959	243	114	19	41	10	21	13	6	5	-	-	14	50
1940 to 1949	220	96	12	14	25	5	20	37	6	5	-	-	61
1939 or earlier	2 928	349	270	324	341	767	377	268	99	9	-	124	63
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	175	46	20	41	-	22	22	-	24	-	-	-	...
With elevator	24	-	-	-	-	-	-	-	24	-	-	-	...
Walk-up	151	46	20	41	-	22	22	-	-	-	-	-	...
1 to 3 floors	3 670	717	300	352	469	808	364	269	225	-	-	166	78
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	3 107	346	227	321	373	728	396	407	151	26	-	132	86
2 or more	70	-	12	-	-	19	15	6	4	-	-	14	...
None or also used by another household	530	230	88	69	13	73	23	21	-	-	-	13	53
<b>INCOME IN 1969</b>													
Less than \$2,000	1 052	327	133	119	94	212	33	69	25	-	-	40	64
\$2,000 to \$2,999	365	57	33	59	64	76	47	14	-	5	-	10	74
\$3,000 to \$3,999	391	71	35	60	59	77	48	30	11	-	-	-	75
\$4,000 to \$4,999	303	52	32	48	34	74	27	15	16	-	-	5	75
\$5,000 to \$5,999	235	27	13	29	33	68	37	17	5	-	-	6	83
\$6,000 to \$6,999	266	26	38	32	27	32	39	34	20	-	-	18	81
\$7,000 to \$9,999	603	30	29	27	66	154	95	123	31	-	-	48	96
\$10,000 to \$14,999	382	16	5	5	18	89	80	87	47	5	-	30	111
\$15,000 to \$24,999	87	-	-	-	11	27	13	11	15	10	-	-	...
\$25,000 or more	10	-	-	6	-	-	-	4	-	-	-	-	...
Median	\$4 000	\$2000-	\$2 800	\$3 200	\$3 800	\$4 500	\$6 400	\$7 600	\$7 800	...	-	\$7 000	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	1 463	183	118	100	147	307	210	275	78	26	-	19	92
1968	518	59	65	67	33	124	65	47	37	-	-	21	83
1967	277	45	7	37	45	68	39	14	8	-	-	14	79
1965 and 1966	507	68	38	50	70	111	52	56	32	-	-	30	82
1960 to 1964	454	114	63	63	58	86	27	28	29	-	-	49	69
1950 to 1959	317	82	32	52	20	76	29	14	-	-	-	12	67
1949 or earlier	171	25	38	21	13	48	12	-	-	-	-	14	67
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	333	120	38	17	34	91	19	10	4	-	-	...	65
10 to 14 percent	629	86	52	63	89	151	98	70	16	4	-	...	83
15 to 19 percent	479	47	46	67	32	103	76	65	37	6	-	...	89
20 to 24 percent	422	42	40	49	49	85	57	94	28	-	-	...	91
25 to 34 percent	462	113	28	52	65	77	47	42	33	5	-	...	76
35 percent or more	1 139	179	122	135	133	278	122	118	47	5	-	...	80
Not computed	230	19	5	11	4	24	-	5	5	-	-	157	...
<b>AIR CONDITIONING</b>													
Room unit(s)	72	7	25	-	5	12	8	-	8	-	-	7	...
Central system	-	-	-	-	-	-	-	-	-	-	-	-	...
None	3 635	569	302	390	381	808	426	434	147	26	-	152	82

¹Excludes one-family homes on 10 acres or more.

Table C-3. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
<b>Owner occupied housing units</b>	<b>6 856</b>	<b>613</b>	<b>449</b>	<b>382</b>	<b>413</b>	<b>317</b>	<b>408</b>	<b>1 671</b>	<b>1 804</b>	<b>657</b>	<b>142</b>	<b>8 500</b>
<b>ROOMS</b>												
1 and 2 rooms	42	5	6	-	-	4	5	17	5	-	-	...
3 rooms	135	34	12	9	11	12	11	35	11	-	-	5 100
4 rooms	967	164	96	91	82	55	73	212	157	37	-	5 900
5 rooms	1 929	181	140	126	144	96	127	527	391	168	29	7 900
6 rooms	2 133	128	90	108	107	64	115	499	697	290	35	9 700
7 rooms or more	1 650	101	105	48	69	86	77	381	543	162	78	9 700
<b>PERSONS</b>												
1 person	1 075	402	176	111	88	64	60	126	44	-	4	2 800
2 persons	2 260	135	226	227	230	102	190	523	460	150	17	7 100
3 and 4 persons	1 988	42	26	35	72	122	105	587	690	247	62	10 000
5 persons	711	20	-	5	23	19	14	223	255	128	24	11 000
6 persons or more	822	14	21	4	-	10	39	212	355	132	35	11 600
Units with roomers, boarders, or lodgers	104	9	12	5	25	17	-	19	11	6	-	5 100
<b>BEDROOMS</b>												
Less than 3	2 585	410	216	374	175	119	167	545	510	22	47	6 000
3	3 416	281	245	150	192	232	152	714	945	428	77	8 900
4 or more	961	22	24	23	22	63	37	267	345	92	66	10 300
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	101	9	-	-	16	-	6	33	32	5	-	8 800
1960 to 1968	756	63	18	16	15	31	32	174	248	143	16	10 600
1950 to 1959	603	21	38	35	19	18	61	132	165	95	19	9 500
1949 or earlier	5 396	520	393	331	363	268	309	1 332	1 359	414	107	8 200
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	523	48	29	12	32	19	31	197	120	21	14	8 400
1968	381	30	6	14	15	22	14	111	124	31	14	9 400
1960 to 1967	2 206	120	65	33	46	65	135	623	705	358	56	10 100
1959 or earlier	3 737	382	331	274	318	183	231	808	865	290	55	7 600
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	5 254	398	215	348	309	301	272	1 169	1 581	524	137	9 000
Clothes dryer	3 657	107	157	85	201	150	154	789	1 406	479	129	10 700
Dishwasher	777	18	75	23	-	-	-	146	268	167	80	12 400
Home food freezer	1 935	62	121	110	155	86	62	399	705	150	85	9 800
Owned second home	1 193	72	67	67	27	83	316	333	192	36	36	9 700
With air conditioning	1 199	18	-	13	7	19	23	13	85	21	-	10 400
Room unit(s)	140	18	-	8	-	13	11	7	69	14	-	10 900
Central system	59	-	-	5	7	6	12	6	16	7	-	...
Automobiles available:												
1	3 888	201	264	258	316	179	314	1 182	874	258	42	8 000
2	1 889	46	17	14	66	49	73	443	801	314	66	11 500
3 or more	309	-	-	-	-	14	-	36	111	117	31	14 700
<b>Renter occupied housing units</b>	<b>3 708</b>	<b>1 057</b>	<b>365</b>	<b>391</b>	<b>303</b>	<b>235</b>	<b>266</b>	<b>612</b>	<b>382</b>	<b>87</b>	<b>10</b>	<b>4 100</b>
<b>ROOMS</b>												
1 room	231	119	11	15	25	11	16	23	11	-	-	2000-
2 rooms	368	175	62	43	25	15	16	27	-	5	-	2 100
3 rooms	718	309	70	61	62	47	60	63	41	5	-	2 700
4 rooms	915	211	63	117	98	59	85	148	107	21	6	4 700
5 rooms	775	162	91	82	43	43	42	191	106	15	-	5 200
6 rooms or more	701	81	68	73	50	60	47	160	117	41	4	6 400
<b>PERSONS</b>												
1 person	1 383	721	145	126	83	95	78	92	28	9	6	2000-
2 persons	1 037	180	102	147	96	63	84	191	132	38	4	4 900
3 and 4 persons	919	137	65	83	78	52	73	233	171	27	-	6 600
5 persons	157	13	21	18	25	-	10	34	31	5	-	6 200
6 persons or more	212	6	32	17	21	25	21	62	20	8	-	6 200
Units with roomers, boarders, or lodgers	155	58	20	33	10	-	-	23	11	-	-	3 000
<b>BEDROOMS</b>												
None	356	179	26	22	20	23	40	26	20	-	-	...
1	1 347	485	194	184	159	43	103	89	42	22	26	3 000
2	1 299	294	84	206	172	91	78	194	180	-	-	4 400
3 or more	880	124	129	108	37	102	34	199	81	66	-	5 400
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	21	-	-	-	-	-	-	9	6	6	-	...
1960 to 1968	282	74	17	15	15	17	23	38	73	10	-	6 100
1950 to 1959	243	89	16	37	34	4	25	17	16	5	-	3 400
1949 or earlier	3 162	894	332	339	254	214	218	548	287	66	10	4 100
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	1 469	455	148	150	96	92	69	286	134	33	6	3 900
1968	518	79	68	43	54	59	71	62	68	14	-	5 300
1960 to 1967	1 232	353	80	121	102	77	91	223	155	30	-	4 600
1959 or earlier	494	181	47	47	44	12	35	84	38	6	-	3 400
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup>	3 694	1 052	365	391	303	235	266	603	382	87	10	4 100
Less than 15 percent	962	-	5	50	57	55	123	298	283	81	10	8 900
15 to 19 percent	479	20	6	40	75	90	37	146	59	6	-	6 200
20 to 24 percent	422	11	42	71	94	48	48	103	5	-	-	4 900
25 to 34 percent	462	104	90	133	46	36	40	8	5	-	-	3 300
35 percent or more	1 139	804	212	97	26	6	-	-	-	-	-	2000-
Not computed	230	113	10	-	5	-	18	48	30	-	-	2 200
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	1 190	193	63	200	87	40	117	289	140	61	-	6 100
Clothes dryer	679	111	46	90	19	22	100	124	101	66	-	6 500
Dishwasher	210	24	-	23	-	-	-	20	59	39	-	...
Home food freezer	266	43	20	-	19	-	17	107	60	-	-	...
Owned second home	279	43	-	-	37	44	20	76	59	-	-	...
With air conditioning	72	13	7	6	6	6	-	13	21	-	-	...
Room unit(s)	72	13	7	6	6	6	-	-	-	-	-	...
Central system	-	-	-	-	-	-	-	-	-	-	-	...
Automobiles available:												
1	1 872	277	112	174	141	162	207	487	251	61	-	6 300
2	299	21	21	22	-	-	12	103	98	16	6	9 100
3 or more	53	16	-	-	-	-	-	15	22	-	-	...

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table C-4. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
<b>Owner occupied housing units</b>	<b>6 856</b>	<b>6 737</b>	<b>3 823</b>	<b>2 572</b>	<b>305</b>	<b>37</b>	<b>119</b>	<b>100</b>	<b>15</b>	<b>4</b>	
<b>PERSONS</b>											
1 person	1 075	1 018	1 018	--	--	--	57	52	5	--	--
2 persons	2 260	2 218	2 150	68	--	--	42	42	--	--	--
3 persons	1 040	1 034	558	472	4	--	6	6	--	--	--
4 persons	948	943	87	850	--	6	5	--	5	--	--
5 persons	711	711	10	676	25	--	--	--	--	--	--
6 persons or more	822	813	--	506	276	31	9	--	5	4	--
Median	2.6	2.6	1.9	4.4	7.0	...	1.6	1.5	...	...	...
Units with roomers, boarders, or lodgers	104	104	62	42	--	--	--	--	--	--	--
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	104	104	42	62	--	--	--	--	--	--	--
1965 to 1968	402	402	195	178	29	--	--	--	--	--	--
1960 to 1964	374	374	179	166	14	15	--	--	--	--	--
1950 to 1959	602	592	307	260	18	7	10	10	--	--	--
1940 to 1949	274	261	165	89	7	--	13	13	--	--	--
1939 or earlier	5 091	5 010	2 907	1 825	265	13	81	69	6	6	--
<b>INCOME IN 1969</b>											
Less than \$2,000	613	574	502	62	10	--	39	39	--	--	--
\$2,000 to \$2,999	449	425	382	28	15	--	24	24	--	--	--
\$3,000 to \$3,999	382	382	343	39	5	--	--	--	--	--	--
\$4,000 to \$4,999	413	403	352	66	5	--	10	11	--	--	--
\$5,000 to \$5,999	317	306	186	116	4	--	11	11	--	--	--
\$6,000 to \$6,999	408	398	277	106	15	--	10	5	5	--	--
\$7,000 to \$9,999	1 671	1 661	790	776	71	24	10	5	5	--	--
\$10,000 to \$14,999	1 804	1 789	706	944	130	9	15	6	5	4	--
\$15,000 to \$24,999	657	657	231	380	46	--	--	--	--	--	--
\$25,000 or more	142	142	74	55	9	4	--	--	--	--	--
Median	\$8 500	\$8 600	\$6 600	\$10 500	\$11 300	...	\$2 900	\$2 500	...	...	...
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup>	5 998	5 900	3 258	2 327	288	27	98	84	10	4	--
Less than 1.5	3 358	3 317	1 520	1 562	220	15	41	27	10	4	--
1.5 to 1.9	843	830	439	362	29	--	13	13	--	--	--
2.0 to 2.4	499	484	273	190	15	6	15	15	--	--	--
2.5 to 2.9	335	329	242	82	5	--	6	6	--	--	--
3.0 to 3.9	358	346	266	65	9	6	12	12	--	--	--
4.0 or more	555	550	479	66	5	--	5	5	--	--	--
Not computed	50	44	39	--	5	--	6	6	--	--	--
<b>HEATING EQUIPMENT</b>											
Steam or hot water	1 756	1 746	993	678	58	17	10	--	10	--	--
Warm-air furnace	3 943	3 914	2 156	1 549	193	16	29	29	--	--	--
Built-in electric units	31	31	21	10	--	--	--	--	--	--	--
Floor, wall, or pipeless furnace	223	211	107	94	10	--	12	12	--	--	--
Other means	903	835	546	241	44	4	68	59	5	4	--
None	--	--	--	--	--	--	--	--	--	--	--
<b>Renter occupied housing units</b>	<b>3 708</b>	<b>3 249</b>	<b>1 824</b>	<b>1 288</b>	<b>131</b>	<b>6</b>	<b>459</b>	<b>207</b>	<b>242</b>	<b>5</b>	<b>5</b>
<b>PERSONS</b>											
1 person	1 383	1 004	970	34	--	--	379	187	192	--	--
2 persons	1 037	979	708	271	--	--	58	20	33	--	5
3 persons	576	565	136	424	5	--	11	--	11	--	--
4 persons	343	343	10	333	--	--	--	--	--	--	--
5 persons	157	157	--	148	9	--	--	--	--	--	--
6 persons or more	212	201	--	78	117	6	11	--	6	5	--
Median	2.0	2.1	1.4	3.3	6.5	...	1.1	1.1	1.1	...	...
Units with roomers, boarders, or lodgers	155	144	89	50	5	--	11	--	11	--	--
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970	31	31	17	14	--	--	--	--	--	--	--
1965 to 1968	157	157	100	57	--	--	--	--	--	--	--
1960 to 1964	121	121	76	45	--	--	--	--	--	--	--
1950 to 1959	254	247	86	136	25	--	7	--	7	--	--
1940 to 1949	217	217	102	89	26	--	--	--	--	--	--
1939 or earlier	2 933	2 489	1 455	987	47	--	444	198	232	8	6
<b>INCOME IN 1969</b>											
Less than \$2,000	1 057	843	640	197	6	--	214	100	114	--	--
\$2,000 to \$2,999	365	332	194	106	32	--	33	22	11	--	--
\$3,000 to \$3,999	391	340	210	119	11	--	51	29	22	--	--
\$4,000 to \$4,999	303	242	91	144	7	--	61	18	38	5	--
\$5,000 to \$5,999	235	216	125	85	6	--	19	9	10	--	--
\$6,000 to \$6,999	266	235	121	105	9	--	31	9	22	--	--
\$7,000 to \$9,999	612	573	228	298	41	6	39	20	14	--	5
\$10,000 to \$14,999	382	371	157	203	11	--	11	--	11	--	--
\$15,000 to \$24,999	87	87	48	31	8	--	--	--	--	--	--
\$25,000 or more	10	10	10	--	--	--	--	--	--	--	--
Median	\$4 100	\$4 500	\$3 400	\$5 900	\$6 400	...	\$2 500	\$2 200	\$2 600	...	...
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup>	3 694	3 235	1 824	1 279	126	6	459	207	242	5	5
Less than 10 percent	333	256	135	102	19	--	77	17	55	--	5
10 to 14 percent	629	567	236	307	18	6	62	30	32	--	--
15 to 19 percent	479	432	175	236	21	--	47	17	30	--	--
20 to 24 percent	422	381	201	155	25	--	41	11	25	5	--
25 to 34 percent	462	388	215	159	14	--	74	40	34	--	--
35 percent or more	1 139	997	718	265	14	--	142	81	61	--	--
Not computed	230	214	144	55	15	--	16	11	5	--	--
<b>HEATING EQUIPMENT</b>											
Steam or hot water	1 618	1 258	799	436	23	--	360	166	189	--	5
Warm-air furnace	1 199	1 150	573	503	74	--	49	15	34	--	--
Built-in electric units	27	27	22	5	--	--	--	--	--	--	--
Floor, wall, or pipeless furnace	105	105	48	52	5	--	--	--	--	--	--
Other means	759	709	382	292	29	6	50	26	19	5	--
None	--	--	--	--	--	--	--	--	--	--	--

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table C-5. Rooms in Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	6 856	11	31	135	967	1 929	2 133	1 047	603	5.7
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	6 721	7	25	111	936	1 938	1 990	1 113	611	5.7
<b>PERSONS</b>										
1 person	1 075	5	11	73	268	334	210	117	57	5.0
2 persons	2 260	—	16	52	430	794	642	203	123	5.3
3 persons	1 040	—	4	10	171	291	356	157	51	5.6
4 persons	948	6	—	—	62	248	371	174	87	5.9
5 persons	711	—	—	—	25	162	269	159	96	6.1
6 persons or more	822	—	—	—	11	100	285	237	189	6.6
Median	2.6	...	...	1.4	2.0	2.3	3.1	3.8	4.3	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
With all plumbing facilities	6 737	6	31	129	936	1 905	2 105	1 022	603	5.7
0.50 or less	3 823	—	11	67	667	1 104	1 185	461	328	5.6
0.51 to 1.00	2 572	—	16	62	233	701	793	508	259	5.8
1.01 to 1.50	305	—	4	—	30	79	123	53	16	5.8
1.51 or more	37	6	—	—	6	21	4	—	—	...
Lacking some or all plumbing facilities	119	5	—	6	31	24	28	25	—	...
0.50 or less	100	—	—	6	31	24	23	16	—	5.0
0.51 to 1.00	15	5	—	—	—	—	5	5	—	...
1.01 to 1.50	4	—	—	—	—	—	—	4	—	...
1.51 or more	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>										
None and 1	474	—	38	174	195	67	—	—	—	3.6
2	2 111	—	—	24	691	984	348	42	22	4.8
3	3 416	—	—	—	37	770	1 949	557	103	6.0
4 or more	961	—	—	—	—	17	169	316	459	7.4
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	101	—	—	—	42	43	11	5	—	4.7
1960 to 1968	756	6	14	16	225	241	158	59	37	5.0
1950 to 1959	603	—	—	9	178	227	109	50	30	5.0
1949 or earlier	5 396	5	17	110	522	1 418	1 855	933	536	5.8
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	6 249	7	25	105	900	1 865	1 919	956	472	5.6
2 or more	472	—	—	6	36	73	61	137	139	6.9
None or also used by another household	126	6	—	—	34	40	26	20	—	...
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup>	5 998	6	15	61	665	1 691	1 993	1 012	555	5.8
Less than 1.5	3 358	—	15	40	251	813	1 245	628	366	5.9
1.5 to 1.9	843	—	—	10	103	245	250	167	68	5.8
2.0 to 2.9	834	—	—	—	148	327	225	97	37	5.3
3.0 or more	913	6	—	5	153	296	259	115	79	5.5
Not computed	50	—	—	6	10	10	14	5	5	...
<b>Renter occupied housing units</b>	3 708	231	368	718	915	775	459	181	61	4.1
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	3 115	6	179	661	839	774	428	169	59	4.3
<b>PERSONS</b>										
1 person	1 383	226	309	421	229	135	47	—	16	2.9
2 persons	1 037	5	54	250	366	223	104	35	—	4.1
3 persons	576	—	5	47	215	173	91	45	—	4.6
4 persons	343	—	—	—	90	106	105	32	10	5.3
5 persons	157	—	—	—	9	77	45	21	5	5.4
6 persons or more	212	—	—	—	6	61	67	48	30	6.1
Median	2.0	1.0	1.1	1.4	2.1	2.7	3.4	3.8	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
With all plumbing facilities	3 249	34	231	640	884	765	459	175	61	4.3
0.50 or less	1 824	—	178	370	575	353	242	80	26	4.1
0.51 to 1.00	1 288	34	48	270	294	356	168	86	32	4.5
1.01 to 1.50	131	—	5	—	9	56	49	9	3	5.4
1.51 or more	6	6	—	—	6	—	—	—	—	...
Lacking some or all plumbing facilities	459	197	137	78	31	10	—	6	—	1.7
0.50 or less	207	—	131	51	20	5	—	—	—	2.3
0.51 to 1.00	242	192	6	27	11	—	—	6	—	1.1
1.01 to 1.50	5	—	—	—	—	5	—	—	—	...
1.51 or more	5	5	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>										
None	356	287	69	—	—	—	—	—	—	...
1	1 347	—	423	636	244	44	—	—	—	2.9
2	1 299	—	—	—	702	506	71	20	—	4.4
3 or more	880	—	—	—	—	161	508	174	37	6.0
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	21	—	—	6	15	—	—	—	—	...
1960 to 1968	282	—	47	78	142	8	—	—	5	3.6
1950 to 1959	243	—	—	52	75	75	36	—	—	4.4
1949 or earlier	3 162	231	321	582	683	692	423	181	49	4.2
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	3 113	35	192	669	832	764	408	169	44	4.3
2 or more	70	6	6	6	7	10	20	—	15	...
None or also used by another household	530	183	135	95	70	31	—	9	7	2.1
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup>	3 694	226	368	718	915	771	454	181	61	4.1
Less than 10 percent	333	60	14	31	86	61	59	22	—	4.2
10 to 14 percent	629	35	58	103	154	162	86	25	6	4.3
15 to 19 percent	479	20	32	82	138	104	47	28	8	4.3
20 to 24 percent	422	17	27	74	109	110	56	29	—	4.4
25 to 34 percent	462	40	67	87	116	71	45	21	15	3.8
35 percent or more	1 139	49	153	307	275	208	81	52	14	3.7
Not computed	230	5	17	34	37	55	60	4	18	4.9

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.

Table C-6. Units in Structure for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	Owner occupied				Renter occupied							Mobile home or trailer
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	
All occupied housing units	6 856	6 082	504	270	3 708	846	729	680	757	429	256	11
<b>ROOMS</b>												
1 room	11	6	5	-	231	9	10	19	43	91	59	-
2 rooms	31	15	11	5	368	17	39	77	101	88	46	-
3 rooms	135	61	54	20	718	63	107	151	202	126	65	4
4 rooms	967	670	138	159	915	114	225	198	185	116	70	7
5 rooms	1 929	1 716	146	67	775	176	232	191	159	5	12	-
6 rooms	2 133	2 036	84	13	459	266	95	40	51	3	4	-
7 rooms	1 047	1 017	24	6	181	146	15	4	16	-	-	-
8 rooms or more	603	561	42	-	61	55	6	-	-	-	-	-
Median	5.7	5.8	4.8	4.2	4.1	5.7	4.4	4.0	3.7	2.8	2.9	-
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	6 737	5 984	483	270	3 249	826	697	651	630	259	173	11
0.50 or less	3 823	3 305	375	143	1 824	358	399	457	307	170	133	-
0.51 to 1.00	2 572	2 364	91	117	1 288	408	277	194	271	85	42	11
1.01 to 1.50	305	288	13	4	131	60	15	-	52	4	-	-
1.51 or more	37	27	4	6	6	-	6	-	-	-	-	-
Lacking some or all plumbing facilities	119	98	21	-	459	20	32	29	127	170	81	-
0.50 or less	100	84	16	-	207	5	22	15	55	83	27	-
0.51 to 1.00	15	10	5	-	242	10	10	14	72	82	54	-
1.01 to 1.50	4	4	-	-	5	5	-	-	-	-	-	-
1.51 or more	-	-	-	-	5	-	-	-	-	5	-	-
<b>BEDROOMS</b>												
None	-	-	-	-	356	20	24	44	44	130	94	-
1	474	281	170	23	1 347	110	246	396	286	173	136	-
2	2 111	1 689	230	192	1 299	148	389	314	258	126	64	-
3	3 416	3 286	93	37	744	359	102	114	147	-	22	-
4 or more	961	925	36	-	136	90	17	-	29	-	-	-
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	101	25	4	72	21	-	6	-	-	15	-	-
1965 to 1968	376	237	13	126	163	11	25	40	21	66	-	-
1960 to 1964	380	314	9	57	119	19	13	47	16	11	6	7
1950 to 1959	603	583	5	15	243	24	5	17	189	4	-	4
1940 to 1949	254	242	12	-	220	37	32	11	131	9	-	-
1939 or earlier	5 142	4 681	461	-	2 942	755	648	565	400	324	250	-
<b>INCOME IN 1969</b>												
Less than \$2,000	613	487	74	52	1 057	125	151	234	275	144	128	-
\$2,000 to \$2,999	449	382	61	6	365	100	44	61	58	67	35	-
\$3,000 to \$3,999	382	330	43	9	391	64	72	85	89	56	25	-
\$4,000 to \$4,999	413	319	73	21	303	62	28	51	97	35	16	4
\$5,000 to \$5,999	317	299	5	13	235	48	59	43	55	20	10	-
\$6,000 to \$6,999	408	349	27	32	266	78	55	53	49	25	6	-
\$7,000 to \$9,999	1 671	1 485	123	63	612	215	160	95	69	57	16	-
\$10,000 to \$14,999	1 804	1 654	80	70	382	117	130	43	54	21	10	7
\$15,000 to \$24,999	657	639	14	4	87	31	30	11	11	4	-	-
\$25,000 or more	142	138	4	-	10	6	-	-	-	-	-	-
Median	\$8 500	\$8 800	\$5 200	\$7 100	\$4 100	\$6 300	\$6 200	\$3 500	\$3 500	\$3 100	\$2 000	-
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	523	329	67	127	1 469	330	308	278	295	180	65	13
1968	381	302	15	64	518	117	120	73	100	63	45	-
1967	406	335	27	44	277	82	67	25	63	25	15	-
1965 and 1966	708	648	47	13	507	98	97	133	84	62	33	-
1960 to 1964	1 092	1 039	32	21	448	140	50	33	113	78	34	-
1950 to 1959	1 598	1 514	84	-	323	79	51	56	86	30	21	-
1949 or earlier	2 139	1 923	216	-	171	34	25	33	39	7	33	-
<b>GROSS RENT</b>												
Specified renter occupied <sup>1</sup>	...	...	...	...	3 694	832	729	680	757	429	256	11
Less than \$50	...	...	...	...	606	28	28	85	264	132	69	-
\$50 to \$59	...	...	...	...	318	17	39	58	103	61	40	-
\$60 to \$69	...	...	...	...	385	43	42	90	119	51	40	-
\$70 to \$79	...	...	...	...	406	115	70	93	64	53	11	-
\$80 to \$99	...	...	...	...	809	184	240	189	114	30	52	-
\$100 to \$119	...	...	...	...	419	158	119	65	51	8	14	4
\$120 to \$149	...	...	...	...	404	128	120	42	37	65	5	7
\$150 to \$199	...	...	...	...	170	60	24	49	-	23	14	-
\$200 to \$299	...	...	...	...	20	14	6	-	-	-	-	-
\$300 or more	...	...	...	...	157	85	41	9	5	6	11	-
No cash rent	...	...	...	...	81	\$99	\$94	\$81	\$61	\$64	\$63	-
Median	...	...	...	...	...	...	...	...	...	...	...	...
<b>HEATING EQUIPMENT</b>												
Steam or hot water	1 756	1 540	216	-	1 618	158	221	314	288	401	236	-
Warm-air furnace	3 943	3 430	223	270	1 199	291	276	179	406	16	20	11
Built-in electric units	31	31	-	-	27	5	6	5	11	-	-	-
Floor, wall, or pipeless furnace	223	200	23	-	105	68	24	13	-	-	-	-
Other means	903	861	42	-	759	324	202	169	52	12	-	-
None	-	-	-	-	-	-	-	-	-	-	-	-
<b>AIR CONDITIONING</b>												
Room unit(s)	140	101	21	18	72	-	27	18	19	8	-	-
Central system	59	54	5	-	-	-	-	-	-	-	-	-
None	6 648	5 935	462	251	3 641	880	691	613	761	437	246	13
<b>AUTOMOBILES AVAILABLE</b>												
1	3 888	3 434	277	177	1 872	504	436	283	369	190	84	6
2	1 889	1 708	104	77	979	106	87	64	42	-	-	-
3 or more	309	309	-	-	53	15	9	7	15	-	-	7
None	761	639	107	15	1 489	255	186	277	354	255	162	-

<sup>1</sup>Excludes one-family homes on 10 acres or more.

Table C-7. Household Composition for Owner and Renter Occupied Housing Units: 1970

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Superior	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b> .....	6 856	92	694	966	2 284	929	176	71	410	159	469	606
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities .....	6 737	92	694	966	2 249	912	176	71	410	149	438	580
0.50 or less .....	3 823	36	141	116	1 176	790	108	55	268	115	438	580
0.51 to 1.00 .....	2 572	56	508	715	951	117	56	16	124	29	—	—
1.01 to 1.50 .....	305	—	39	114	112	5	12	—	18	5	—	—
1.51 or more .....	37	—	6	21	10	—	—	—	—	—	—	—
Lacking some or all plumbing facilities .....	119	—	—	—	35	17	—	—	—	—	31	26
0.50 or less .....	100	—	—	—	21	17	—	—	—	10	26	26
0.51 to 1.00 .....	15	—	—	—	10	—	—	—	—	—	5	—
1.01 to 1.50 .....	4	—	—	—	4	—	—	—	—	—	—	—
1.51 or more .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1 .....	6 082	48	577	913	2 133	833	162	66	370	137	357	486
2 or more .....	504	6	33	33	119	91	9	5	25	16	67	100
Mobile home or trailer .....	270	38	84	20	32	5	5	—	15	6	45	20
<b>INCOME IN 1969</b>												
Less than \$2,000 .....	613	—	9	15	46	69	11	6	51	4	124	278
\$2,000 to \$2,999 .....	449	—	6	6	19	127	—	10	61	44	34	142
\$3,000 to \$3,999 .....	382	—	—	9	27	198	6	6	10	15	36	75
\$4,000 to \$4,999 .....	413	11	16	—	80	151	16	—	30	21	50	38
\$5,000 to \$5,999 .....	317	6	33	9	42	86	5	6	49	17	44	20
\$6,000 to \$6,999 .....	408	6	69	25	138	63	14	—	33	—	41	19
\$7,000 to \$9,999 .....	1 671	40	286	287	625	115	67	7	76	42	114	12
\$10,000 to \$14,999 .....	1 804	24	247	418	837	85	32	25	76	16	26	18
\$15,000 to \$24,999 .....	657	5	23	152	387	35	20	11	24	—	—	—
\$25,000 or more .....	142	—	5	45	83	—	5	—	—	—	—	4
Median .....	\$8 500	...	\$9 200	\$11 600	\$11 000	\$4 500	\$8 600	...	\$6 100	\$4 800	\$4 800	\$2 200
<b>VALUE-INCOME RATIO</b>												
Specified owner occupied <sup>1</sup> .....	5 998	48	577	901	2 092	828	162	60	365	137	347	481
Less than 1.5 .....	3 358	38	345	628	1 468	281	124	48	191	64	119	52
1.5 to 1.9 .....	843	4	95	129	331	113	—	6	35	12	49	69
2.0 to 2.4 .....	499	6	45	87	145	115	5	—	21	5	39	31
2.5 to 2.9 .....	335	—	49	25	37	95	16	—	20	5	14	71
3.0 to 3.9 .....	358	—	28	17	51	92	6	—	25	26	42	71
4.0 or more .....	555	—	15	15	55	132	6	6	63	25	58	180
Not computed .....	50	—	—	—	5	—	5	—	10	—	26	4
<b>Renter occupied housing units</b> .....	3 708	359	458	184	342	210	176	—	532	64	738	645
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities .....	3 249	355	458	184	332	192	176	—	489	59	501	503
0.50 or less .....	1 824	114	107	21	157	123	83	—	205	44	476	494
0.51 to 1.00 .....	1 288	236	322	108	169	69	79	—	256	15	25	9
1.01 to 1.50 .....	131	5	29	49	6	—	14	—	28	—	—	—
1.51 or more .....	6	—	—	6	—	—	—	—	—	—	—	—
Lacking some or all plumbing facilities .....	459	4	—	—	10	18	—	—	43	5	237	142
0.50 or less .....	207	—	—	—	5	—	—	—	10	5	118	69
0.51 to 1.00 .....	242	4	—	—	—	18	—	—	28	—	119	73
1.01 to 1.50 .....	5	—	—	—	—	—	—	—	5	—	—	—
1.51 or more .....	5	—	—	—	5	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1 .....	846	61	175	64	146	51	54	—	148	21	97	29
2 to 4 .....	1 409	167	194	86	147	75	76	—	164	33	227	240
5 to 19 .....	1 186	112	78	34	49	75	29	—	193	10	324	282
20 or more .....	256	15	11	—	—	9	10	—	27	—	90	94
Mobile home or trailer .....	11	4	—	—	—	—	7	—	—	—	—	—
<b>GROSS RENT</b>												
Specified renter occupied <sup>2</sup> .....	3 694	355	458	179	342	210	176	—	532	64	733	645
Less than \$50 .....	606	35	27	18	9	20	—	—	82	—	206	209
\$50 to \$59 .....	318	30	6	15	11	11	10	—	20	15	110	90
\$60 to \$69 .....	385	32	28	5	16	25	22	—	49	5	102	101
\$70 to \$79 .....	406	47	41	21	54	33	24	—	71	6	61	48
\$80 to \$99 .....	809	90	103	56	108	41	27	—	150	27	97	110
\$100 to \$119 .....	419	61	84	22	55	34	24	—	67	6	55	11
\$120 to \$149 .....	404	30	81	19	40	31	31	—	67	—	54	45
\$150 to \$199 .....	170	25	37	15	25	10	28	—	10	—	5	15
\$200 to \$299 .....	20	—	15	—	—	—	—	—	5	—	—	—
\$300 or more .....	—	—	—	—	—	—	—	—	—	—	—	—
No cash rent .....	157	5	36	8	24	5	4	—	11	5	43	16
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
Specified renter occupied <sup>2</sup> .....	3 694	355	458	179	342	210	176	—	532	64	733	645
Less than \$5,000 .....	2 111	157	82	42	62	116	114	—	420	48	473	597
Less than 20 percent .....	253	32	28	13	6	27	—	—	24	5	81	37
20 to 24 percent .....	218	39	—	14	5	19	10	—	46	—	27	58
25 to 34 percent .....	373	24	20	—	14	25	18	—	90	5	88	89
35 percent or more .....	1 139	62	24	15	32	40	78	—	242	33	231	382
Not computed .....	128	—	10	—	5	—	8	—	18	5	46	31
\$5,000 to \$9,999 .....	1 104	167	230	88	156	72	41	—	75	10	228	37
Less than 20 percent .....	749	106	150	66	131	32	28	—	34	5	165	32
20 to 24 percent .....	199	42	37	9	15	35	9	—	18	5	24	5
25 to 34 percent .....	84	14	18	5	5	5	4	—	17	—	16	—
35 percent or more .....	—	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	72	5	25	8	5	—	—	—	6	—	23	—
\$10,000 to \$14,999 .....	382	23	136	41	79	16	21	—	32	6	17	11
Less than 20 percent .....	342	23	115	41	65	16	21	—	32	6	12	11
20 to 24 percent .....	5	—	—	—	—	—	—	—	—	—	—	—
25 percent or more .....	5	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	30	—	11	—	14	—	—	—	—	—	5	—
\$15,000 or more .....	97	8	10	8	45	6	—	—	5	—	15	—
Less than 20 percent .....	97	8	10	8	45	6	—	—	5	—	15	—
20 to 24 percent .....	—	—	—	—	—	—	—	—	—	—	—	—
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table C-8. Persons in Owner and Renter Occupied Housing Units: 1970**

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Superior</b>										
Owner occupied housing units .....	6 856	1 075	2 260	1 040	948	711	390	267	165	2.6
<b>BEDROOMS</b>										
None and 1 .....	474	129	328	17	—	—	—	—	—	1.8
2 .....	2 111	501	860	418	194	121	—	17	—	2.1
3 .....	3 416	380	882	674	564	466	251	148	51	3.2
4 or more .....	961	24	190	83	64	245	167	51	137	5.0
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	101	11	26	42	12	5	5	—	—	2.8
1965 to 1968 .....	376	39	106	79	77	44	10	17	4	3.0
1960 to 1964 .....	380	33	139	52	83	57	10	—	6	2.8
1950 to 1959 .....	603	66	215	91	86	76	35	17	17	2.7
1940 to 1949 .....	254	68	87	41	25	19	14	—	—	2.2
1939 or earlier .....	5 142	858	1 687	735	665	510	316	233	138	2.5
<b>UNITS IN STRUCTURE</b>										
1 .....	6 082	843	1 974	915	862	689	390	263	146	2.7
2 or more .....	504	167	204	52	56	8	—	4	13	1.9
Mobile home or trailer .....	270	65	82	73	30	14	—	—	6	2.4
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	6 249	990	2 122	928	831	625	361	265	127	2.5
2 and 2 1/2 .....	445	18	115	45	104	64	37	34	28	3.9
3 or more .....	27	5	—	—	6	9	—	7	—	...
None or also used by another household .....	126	57	43	7	7	6	—	—	6	...
<b>HOUSEHOLD COMPOSITION</b>										
Two-or-more-person households .....	5 781	...	2 260	1 040	948	711	390	267	165	3.1
Male head, wife present, no nonrelatives .....	4 965	...	1 819	857	885	645	373	237	149	3.3
Under 25 years .....	92	...	41	26	21	4	—	—	—	...
25 to 34 years .....	694	...	71	126	231	162	52	36	16	4.1
35 to 44 years .....	966	...	41	93	209	255	184	110	74	5.0
45 to 64 years .....	2 284	...	898	492	403	209	132	91	59	3.0
65 years and over .....	929	...	768	120	21	15	5	—	—	2.1
Other male head .....	247	...	111	61	16	30	12	6	11	2.7
Under 65 years .....	176	...	79	28	16	30	12	6	11	2.8
65 years and over .....	71	...	32	33	—	—	—	—	—	...
Female head .....	569	...	330	122	47	36	5	24	5	2.4
Under 65 years .....	410	...	214	100	31	36	—	24	5	2.5
65 years and over .....	159	...	116	22	16	—	5	—	—	2.2
One-person households .....	1 075	1 075	...	...	...	...	...	...	...	1.0
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup> .....	5 998	828	1 942	903	856	676	384	263	146	3.0
Less than 1.5 .....	3 358	171	969	617	566	435	281	195	124	3.4
1.5 to 1.9 .....	843	118	253	124	132	118	61	26	11	2.9
2.0 to 2.4 .....	499	70	187	70	79	44	31	12	6	2.5
2.5 to 2.9 .....	335	88	142	28	33	33	5	6	—	2.1
3.0 to 3.9 .....	358	113	153	30	30	17	—	15	—	1.9
4.0 or more .....	555	238	233	24	16	29	6	9	—	1.7
Not computed .....	50	30	5	10	—	—	—	—	5	...
<b>Renter occupied housing units</b>										
3 708	1 383	1 037	576	343	157	106	84	22	2.0	
<b>BEDROOMS</b>										
None .....	356	334	22	—	—	—	—	—	—	...
1 .....	1 347	868	441	38	—	—	—	—	—	1.3
2 .....	1 299	305	443	271	175	59	—	46	—	2.3
3 or more .....	880	67	176	122	147	41	196	114	17	4.0
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	21	6	6	4	5	—	—	—	—	...
1965 to 1968 .....	163	60	55	27	21	—	—	—	—	1.9
1960 to 1964 .....	119	58	40	11	3	—	—	—	—	1.5
1950 to 1959 .....	243	51	41	81	20	28	6	16	—	2.9
1940 to 1949 .....	220	63	42	53	20	12	30	6	—	2.6
1939 or earlier .....	2 942	1 145	853	400	274	117	63	68	22	1.9
<b>UNITS IN STRUCTURE</b>										
1 .....	846	126	188	170	164	67	65	47	19	3.1
2 .....	729	196	262	158	70	19	—	21	3	2.1
3 and 4 .....	680	271	268	70	44	27	—	—	—	1.8
5 to 9 .....	757	305	171	136	48	40	—	—	—	1.9
10 to 19 .....	429	301	84	29	11	4	—	—	—	1.2
20 or more .....	256	184	60	6	6	—	—	—	—	1.2
Mobile home or trailer .....	11	—	4	7	—	—	—	—	—	...
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	3 113	962	939	581	328	164	72	38	29	2.1
2 or more .....	70	27	—	19	24	—	—	—	—	...
None or also used by another household .....	530	383	93	30	—	—	—	24	—	1.2
<b>HOUSEHOLD COMPOSITION</b>										
Two-or-more-person households .....	2 325	...	1 037	576	343	157	106	84	22	2.7
Male head, wife present, no nonrelatives .....	1 553	...	677	380	244	106	79	53	14	2.8
Under 25 years .....	359	...	203	109	42	5	—	—	—	2.4
25 to 34 years .....	458	...	133	120	102	38	46	19	—	3.3
35 to 44 years .....	184	...	16	30	44	34	28	23	9	4.6
45 to 64 years .....	342	...	145	95	56	25	5	11	5	2.1
65 years and over .....	210	...	180	26	—	4	—	—	—	2.7
Other male head .....	176	...	77	49	25	11	—	—	—	2.1
Under 65 years .....	176	...	77	49	25	11	—	—	—	2.7
65 years and over .....	—	...	—	—	—	—	—	—	—	2.7
Female head .....	596	...	283	147	74	40	27	25	—	2.6
Under 65 years .....	532	...	219	147	74	40	27	25	—	2.8
65 years and over .....	64	...	64	—	—	—	—	—	—	...
One-person households .....	1 383	1 383	...	...	...	...	...	...	...	1.0
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup> .....	3 694	1 378	1 037	576	339	157	106	79	22	2.0
Less than 10 percent .....	333	113	95	41	43	22	5	14	—	2.1
10 to 14 percent .....	629	138	214	106	84	43	27	17	—	2.3
15 to 19 percent .....	479	102	127	135	57	15	26	12	5	2.6
20 to 24 percent .....	422	114	152	57	44	25	12	9	3	2.1
25 to 34 percent .....	462	193	129	70	18	28	15	6	3	1.8
35 percent or more .....	1 139	613	284	131	67	24	4	11	5	1.4
Not computed .....	230	105	36	36	26	—	17	10	—	1.8

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property.

<sup>2</sup>Excludes one-family homes on 10 acres or more.



**Table C-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970**

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

Superior					Superior				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b> .....	23	--	3	20	<b>Vacant for rent</b> .....	205	124	31	50
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms .....	9	--	--	9	1 room .....	28	28	--	--
4 rooms .....	1	--	--	1	2 rooms .....	20	17	3	--
5 rooms .....	3	--	--	3	3 rooms .....	50	30	4	16
6 rooms .....	8	--	3	8	4 rooms .....	53	32	8	13
7 rooms or more .....	3	--	3	--	5 rooms .....	25	14	7	4
<b>PLUMBING FACILITIES</b>					6 rooms .....	22	3	9	10
With all plumbing facilities .....	14	--	3	11	7 rooms or more .....	7	--	--	7
Lacking some or all plumbing facilities .....	9	--	--	9	<b>PLUMBING FACILITIES</b>				
<b>BEDROOMS</b>					With all plumbing facilities .....	147	74	23	50
None and 1 .....	--	--	--	--	Lacking some or all plumbing facilities .....	58	50	8	--
2 .....	--	--	--	--	<b>BEDROOMS</b>				
3 .....	19	--	--	19	None .....	35	35	--	--
4 or more .....	--	--	--	--	1 .....	110	95	--	15
<b>YEAR STRUCTURE BUILT</b>					2 .....	34	34	--	--
1969 to March 1970 .....	--	--	--	--	3 or more .....	53	--	15	38
1960 to 1968 .....	--	--	--	--	<b>YEAR STRUCTURE BUILT</b>				
1950 to 1959 .....	--	--	3	20	1969 to March 1970 .....	--	--	--	--
1949 or earlier .....	23	--	3	20	1960 to 1968 .....	13	13	--	--
<b>UNITS IN STRUCTURE</b>					1950 to 1959 .....	--	--	--	--
1 .....	23	--	3	20	1949 or earlier .....	192	111	31	50
2 or more .....	--	--	--	--	<b>UNITS IN STRUCTURE</b>				
<b>HEATING EQUIPMENT</b>					1 .....	43	20	9	14
Steam or hot water .....	--	--	--	--	2 to 4 .....	68	20	15	33
Warm-air furnace .....	6	--	3	3	5 to 9 .....	14	14	--	--
Built-in electric units .....	--	--	--	--	10 to 19 .....	36	29	7	--
Floor, wall, or pipeless furnace .....	9	--	--	9	20 or more .....	44	41	--	3
Other means .....	8	--	--	8	<b>RENT ASKED</b>				
None .....	--	--	--	--	Specified vacant for rent <sup>2</sup> .....	205	124	31	50
<b>SALES PRICE ASKED</b>					Less than \$50 .....	71	44	17	10
Specified vacant for sale <sup>1</sup> .....	17	--	--	17	\$50 to \$59 .....	37	26	7	4
Less than \$5,000 .....	14	--	--	14	\$60 to \$79 .....	55	26	7	22
\$5,000 to \$9,999 .....	3	--	--	3	\$80 to \$99 .....	15	8	--	7
\$10,000 to \$14,999 .....	--	--	--	--	\$100 to \$119 .....	8	4	--	4
\$15,000 to \$19,999 .....	--	--	--	--	\$120 to \$149 .....	19	16	--	3
\$20,000 to \$24,999 .....	--	--	--	--	\$150 to \$199 .....	--	--	--	--
\$25,000 to \$34,999 .....	--	--	--	--	\$200 or more .....	--	--	--	--
\$35,000 to \$49,999 .....	--	--	--	--	Median rent asked .....	\$59	\$57	...	...
\$50,000 or more .....	--	--	--	--					
Median price asked .....	...	--	--	...					

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

**Table C-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970**

(Data based on sample, see text. For meaning of symbols, see text)

Superior	Sales price asked—Vacant for sale <sup>1</sup>						Rent asked—Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b> .....	17	17	--	--	--	--	205	108	55	15	27	--	--
<b>PLUMBING FACILITIES</b>													
With all plumbing facilities .....	19	19	--	--	--	--	159	64	19	38	38	--	--
Lacking some or all plumbing facilities .....	--	--	--	--	--	--	73	54	19	--	--	--	--
<b>BEDROOMS</b>													
None and 1 .....	--	--	--	--	--	--	145	88	19	19	19	--	--
2 .....	--	--	--	--	--	--	34	15	--	--	19	--	--
3 .....	19	19	--	--	--	--	34	15	19	--	--	--	--
4 or more .....	--	--	--	--	--	--	19	--	--	19	--	--	--
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970 .....	--	--	--	--	--	--	--	--	--	--	--	--	--
1960 to 1968 .....	--	--	--	--	--	--	13	--	--	--	13	--	--
1950 to 1959 .....	--	--	--	--	--	--	--	--	--	--	--	--	--
1949 or earlier .....	17	17	--	--	--	--	192	108	55	15	14	--	--
<b>UNITS IN STRUCTURE</b>													
1 .....	...	...	...	...	...	...	43	13	14	9	7	--	--
2 to 4 .....	...	...	...	...	...	...	68	42	18	--	8	--	--
5 to 19 .....	...	...	...	...	...	...	50	25	16	3	6	--	--
20 or more .....	...	...	...	...	...	...	44	28	7	3	6	--	--
<b>INCLUSION OF UTILITIES IN RENT</b>													
All utilities included .....	...	...	...	...	...	...	60	42	11	--	7	--	--
Some or no utilities included .....	...	...	...	...	...	...	145	66	44	15	20	--	--

<sup>1</sup>Limited to one-family homes on less than 10 acres and no business on property. <sup>2</sup>Excludes one-family homes on 10 acres or more.

## Appendix A.—AREA CLASSIFICATIONS

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COUNTIES .....	App-1
PLACES .....	App-1
STANDARD METROPOLITAN STATISTICAL AREAS .....	App-1

### USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to 1790, each person enumerated in the 1970 census was counted as an inhabitant of his usual place of residence, which is generally construed to mean the place where he lives and sleeps most of the time. This place is not necessarily the same as his legal residence, voting residence, or domicile. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics although there may be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishing of residence rules for certain categories of persons whose usual place of residence is not immediately clear. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be found by the census enumerators. Persons without a usual place of residence were, however, counted where they were enumerated. Detailed information on residence rules is given in the 1970 Population Census PC(1)-A reports.

### COUNTIES

The primary divisions of the States are, in general, termed counties, but in Louisiana these divisions are known as parishes. There are no counties in Alaska; in this State, statistical areas called census divisions were developed

for general statistical purposes through the cooperation of the State and the Census Bureau and are treated as county equivalents. In four States (Maryland, Missouri, Nevada, and Virginia), there are one or more cities which are independent of any county organization and thus constitute primary divisions of their States.

### PLACES

Two types of places are recognized in the census reports, incorporated places and unincorporated places. Incorporated places are political units incorporated as cities, boroughs, towns, and villages except for (a) boroughs in Alaska and (b) towns in the New England States, New York, and Wisconsin. Unincorporated places are closely settled population centers without corporate limits for which the Census Bureau has delineated boundaries. Each place so delineated possesses a definite nucleus of residences and has its boundaries drawn to include, if feasible, all the surrounding closely settled area. Unincorporated places are identified with the letter "U."

### STANDARD METROPOLITAN STATISTICAL AREAS

The Bureau of the Census recognizes 243 standard metropolitan statistical areas (SMSA's) in the United States and 4 in Puerto Rico, making a total of 247 in the 1970 census. These include the 231 SMSA's as defined and named in the Bureau of the Budget publication, **Standard Metropolitan Statistical Areas: 1967**, U.S. Government Printing Office, Washington, D.C. 20402. Since 1967, 16 SMSA's have been added, of which two were defined in January 1968 and an additional 14 were defined in February

1971 on the basis of the results of the 1970 census. Changes in SMSA boundaries or titles made after February 1971 are not recognized in this series of reports. SMSA's are defined by the Office of Management and Budget (formerly Bureau of the Budget).

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

The figures for central cities shown in this report may differ from those shown in the Housing Census HC(1)-A and HC(1)-B reports. In those reports, if a central city of an SMSA is an extended city (so designated because it has extended its boundaries to include territory essentially rural in character), the figures shown for the central city were restricted to the urban portion of the city. In addition, parts of central cities outside the SMSA boundaries were excluded from the central city tabulations. In this report, however, figures for central cities refer to the entire population and housing within the legal city boundaries, including any rural parts of the city or parts outside the SMSA.

## Appendix B.—DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

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### GENERAL

**Self-enumeration and census questionnaire.**—As stated in the introductory text of this report, the 1970 census was conducted primarily through self-enumeration. Furthermore, census takers were instructed to read the questions directly from the questionnaire in their telephone and personal visit interviews. The questionnaire pages containing the housing questions asked on a 100-percent basis and the additional questions asked on a sample basis, as well as the page of the respondent instruction sheet which relates to these questions, are reproduced on pages App-10 to App-13. The definitions and explanations given below for each subject are, to a considerable extent, drawn from various technical and procedural materials used in the collection of the data. This material helped the enumerative personnel to understand more fully the intent of each question and thus to resolve problem or unusual cases. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

**Comparability with 1960 data.**—Although the 1970 data are generally comparable with the data collected in 1960, certain changes have been introduced. The 1960 inquiry regarding owner occupancy has been subdivided to show a separate category for cooperatives and condominiums in 1970. The 1960 question on cooking equipment was broadened in 1970 to cover "complete kitchen facilities"; i.e., an installed sink with piped water, a range or cookstove, and a mechanical refrigerator. On the other hand, the 1960 question on condition of housing unit (i.e., sound, deteriorating, or dilapidated) was eliminated because of serious problems with response reliability.

Items which were added to the 1970 questionnaire are dishwasher and owned second home. The 1960 inquiry on television has been subdivided to provide separate information on television sets which can receive UHF broadcasts. The 1970 inquiry on radios is limited to battery-operated sets including car radios, whereas the 1960 inquiry covered radio sets of all kinds located in the unit. Data on television sets and radios are not given in this report; statistics on these appliances, however, are presented in the 1970 Housing Census, HC(1)-B reports.

There have also been changes in the scope of some of the tabulations. The tabulations on value and contract rent refer to slightly different sets of housing units in 1970 than in 1960. Summarized generally, the difference is that the 1970 data exclude units on places of 10 acres or more whereas the 1960 data exclude units on farms; more specific information can be obtained by comparing the value and rent definitions in the present report with those in 1960 Housing Census Volume I.

Data on elevator in structure were collected for all geographic areas in 1970. In 1960, statistics on elevator in structure were collected only for large places; that is, places which had a population of 50,000 or more in 1950 or in an interim census.

Separate data on a number of subjects are presented for occupied units with Negro head of household. In 1960, this type of tabulation related to the total of all household heads other than white; Negro household heads constituted 95 percent of this total in 1960 for the Nation as a whole, but this proportion varied widely among areas.

Separate data are also shown in this report for housing units occupied by heads of Spanish heritage, that is, household heads of Spanish language or Spanish surname in five Southwestern States (Arizona, California, Colorado, New Mexico, and Texas), heads of Puerto Rican birth or parentage in New York, New Jersey, and Pennsylvania, and heads of Spanish language in all other States. In 1960, household heads of Spanish surname were identified in the five Southwestern States and Puerto Rican heads of households were identified in all other States. More information on the 1970 definition is given in this report and in the 1970 Population Census Series PC(1)-C reports; the 1960 definition is more fully explained in the 1960 Census of Housing Volume I reports.

### 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, etc.). Living quarters may also be in structures intended for nonresidential use (e.g., the rooms in a warehouse where a watchman lives), as well as in tents, caves, old railroad cars, etc.

**Housing units.**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have either (1) direct access from the outside of the building or through a common hall or (2) complete kitchen facilities for the exclusive use of the occupants. 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 section on group quarters). For vacant units, the criteria of separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants, whenever possible. If the information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing inventory, except that mobile homes, trailers, tents, caves, boats, railroad cars, and the like, are included only if they are occupied.

**Group quarters.**—Group quarters are living arrangements for institutional inmates or for other groups containing five or more persons not related to the person in charge. Group quarters are located most frequently in institutions, boarding houses, military barracks, college dormitories, fraternity and sorority houses, hospitals, mona-

steries, convents, and ships. A house or apartment is considered group quarters if it is shared by the person in charge and five or more persons unrelated to him, or if there is no person in charge, by six or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

**Rules for mobile homes, hotels, rooming houses, etc.**—Mobile homes or trailers, tents, boats, or railroad cars are not enumerated if vacant, used only for business, or used only for vacations.

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places 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 either direct access or complete kitchen facilities for exclusive use, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain four or fewer roomers unrelated to the head, they are classified as one housing unit; if the combined quarters contain five or more roomers unrelated to the head or person in charge, they are classified as group quarters. In a dormitory, residence hall, or similar place, living quarters of the supervisory staff and other employees are separate housing units if they satisfy the housing unit

criteria; other living quarters are considered group quarters.

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

#### OCCUPANCY AND VACANCY CHARACTERISTICS

**Occupied housing units.**—A housing unit is classified as occupied if a person or group of persons is living in it at the time of enumeration or if the occupants are only temporarily absent—for example, on vacation. However, if the persons staying in the unit have their usual place of residence elsewhere, the unit is classified as vacant.

A household consists of all the persons who occupy a housing unit. By definition, therefore, the count of occupied housing units is the same as the count of households in the 1970 Census of Population reports. In some cases, however, there may be small differences in the counts resulting from processing procedures.

**Race.**—The classification by race shown here refers to the race of the head of the household occupying the housing unit. Detailed characteristics of units with Negro head of household are presented in separate tables for SMSA's, cities or places having a Negro population of 25,000 or more. The concept of race as used by the Census Bureau does not denote clear-cut scientific definitions of biological stock. The data represent essentially self-classification by people according to the race with which they identify themselves.

**Spanish heritage.**—The inquiries in the 1970 census permit the identification of housing units occupied by heads of Spanish heritage by various means: birthplace, birthplace of parents, language, and surname. The specific types of identification are given below. A more detailed explanation is given in the 1970 Population Census PC(1)-C reports.

**Puerto Rican birth or parentage.**—Household heads of Puerto Rican birth or parentage are identified in the three Middle Atlantic States: New York, New Jersey, and Pennsylvania.

**Spanish language or Spanish surname.**—In five Southwestern States—Arizona, California, Colorado, New Mexico, and Texas—household heads of Spanish language or Spanish surname are identified. (A household head is classified as of Spanish language if the head or his wife reported Spanish as his or her mother tongue, i.e., the language spoken at home when the person was a child.)

**Spanish language.**—In all other States and the District of Columbia, household heads of Spanish language (as defined above) are identified.

Detailed characteristics of units with heads of Spanish heritage are presented in separate tables for SMSA's, cities or places having a population of 25,000 or more for the particular Spanish-heritage group.

**Tenure.**—(See facsimiles of questionnaire item H9 and instructions on pages App-10 and App-13.) A housing unit is "owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. A

cooperative or condominium unit is "owner occupied" only if the owner or co-owner lives in it. All other occupied units are classified as "renter occupied," including units rented for cash rent and those occupied without payment of cash rent.

**Year moved into unit.**—Data on year moved into unit are based on the information reported for the head of the household. The question refers to the year of latest move. Thus, if the head moved back into a unit he had previously occupied, the year of his latest move was to be reported; if he moved from one apartment to another in the same building, the year he moved into his present unit was to be reported. The intent is to establish the year the present occupancy by the head began. The year the head moves is not necessarily the same year other members of the household move, although in the great majority of cases the entire household moves at the same time.

**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. In addition, a vacant unit may be one which is occupied entirely by persons who have a usual residence elsewhere.

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 unfit for human habitation; that is, if the roof, walls, windows, 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.**—(See facsimile of questionnaire item C on page App-10.) Vacant housing units are classified as either "seasonal and migratory" or "year-round." "Seasonal" units are intended for occupancy during only certain seasons of the year. Included are units intended for recreational use, such as beach cottages and hunting cabins, and vacant units held for herders and loggers. "Migratory" units are vacant units held for occupancy by migratory labor employed in farm work during the crop season. "Year-round" vacant housing units are available or intended for occupancy at any time of the year. A unit in a resort area which is usually occupied on a year-round basis is considered year-round. A unit used only occasionally throughout the year is also considered year-round.

This report presents statistics for "year-round" vacant units on the market for sale or for rent. Excluded are "seasonal and migratory" vacant units, as well as "year-round" vacant units sold or rented but not yet occupied by the new owner or renter, units held for the occasional use of the owner, and units held off the market for other reasons.

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

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

**Duration of vacancy.**—(See facsimile of questionnaire item D on page App-10.) 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. 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.

#### UTILIZATION CHARACTERISTICS

**Persons.**—All persons occupying the housing unit are counted. These persons include not only occupants related to the head of the household but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the household head. The data on "persons" show the number of housing units occupied by the specified number of persons.

Units with one or more roomers, boarders, or lodgers are shown as a separate category. Not included as "roomers, boarders, or lodgers" are servants who live in, companions, partners, etc.

**Rooms.**—(See facsimiles of questionnaire item H4 and instructions on pages App-10 and App-13.) The statistics on "rooms" are in terms of the number of housing units with specified number of rooms. The intent of this question was to count the number of whole rooms used for living purposes. As stated on the questionnaire and instruction sheet, bathrooms, foyers,

utility rooms, unfinished attics or basements, etc., are not included in the count of rooms.

**Persons per room.**—"Persons per room" is computed for each occupied unit by dividing the number of persons in the unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of housing units having the specified ratio of persons per room.

**Bedrooms.**—(See facsimile of questionnaire item H26 on page App-12.) 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 hideaway bed, are not considered bedrooms. A housing unit consisting of only one room, such as one-room efficiency apartment, is classified, by definition, as having no bedroom.

#### STRUCTURAL AND PLUMBING CHARACTERISTICS

**Direct access.**—(See facsimiles of questionnaire item H2 and instructions on pages App-10 and App-13.) A housing unit is regarded as having direct access if there is (1) a direct entrance from the outdoors, or (2) an entrance from a hall, lobby, or vestibule which is usually used by the occupants of more than one unit or by the general public.

**Complete kitchen facilities.**—(See facsimiles of questionnaire item H3 and instructions on pages App-10 and App-13.) A unit has complete kitchen facilities when it has all three of the

following: (1) an installed sink with piped water, (2) a range or cookstove, and (3) a mechanical refrigerator.

All kitchen facilities must be located in the structure. They need not be in the same room. Quarters with only portable cooking equipment are not considered as having a range or cookstove. An icebox is not included as a mechanical refrigerator.

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

**Year structure built.**—(See facsimile of questionnaire item H15 on page App-11.) Year structure built refers to when the building was first constructed, not when it was remodeled, added to, or converted. The figures relate to the number of units in structures built during the specified periods and in existence at the time of enumeration.

**Units in structure.**—(See facsimiles of questionnaire item H16 and instructions on pages App-11 and App-13.) In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented in terms of the number of housing units in structures of specified type and size, not in terms of the number of residential structures.

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. Structures containing

only one housing unit are further classified as detached or attached (as explained on the questionnaire and instruction sheet).

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

The data on units in structure shown in this report may differ from the comparable figures in the HC(1)-A report. The answers to item H16 on the sample questionnaire made it possible in the HC(2) tabulations to correctly classify as mobile homes or trailers those which were incorrectly classified as one-family houses or as housing units in multiunit structures in the HC(1)-A tabulations.

**Elevator in structure.**—(See facsimiles of questionnaire item H24 and instructions on pages App-12 and App-13.) Statistics on elevator in structure are presented in terms of the number of housing units in structures with four stories or more which have a passenger elevator. Units are in a "walk-up" structure of four stories or more if the structure has no passenger elevator or if the only elevator service is for freight.

**Plumbing facilities.**—(See facsimiles of questionnaire items H5, H6, and H7 and instructions on pages App-10 and App-13.) The category "with all plumbing facilities" consists of units which have hot and cold piped water inside the structure as well as a flush toilet and a bathtub or shower inside the structure for the exclusive use of the occupants of the unit. "Lacking some or all plumbing facilities" means that the unit does not have all three

specified plumbing facilities (hot and cold piped water, as well as flush toilet and bathtub or shower inside the structure), or that the toilet or bathing facilities are also for the use of the occupants of other housing units.

**Complete bathrooms.**—(See facsimile of questionnaire item H21 on page App-11.) A housing unit is classified as having a complete bathroom if it has a room with a flush toilet and bathtub or shower for the exclusive use of the occupants of the unit and a wash basin, as well as piped hot water in the structure. (Although the instructions on the questionnaire do not specify that a complete bathroom must have hot water, this requirement was applied during the processing of the data in an edit combining the items on complete bathrooms and piped water in structure.) A half bathroom has either a flush toilet or a bathtub or shower for exclusive use, but does not have all the facilities for a complete bathroom.

The category "none or also used by another household" consists of units with no bathroom facilities, units with only a half bathroom, and units with bathroom facilities which are also for the use of the occupants of other housing units.

#### EQUIPMENT, FUELS, AND APPLIANCES

**Heating equipment.**—(See facsimiles of questionnaire item H14 and instructions on pages App-11 and App-13.) "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Warm-air furnace" refers to a central system which provides warm air through ducts leading to various rooms; central heat pumps are

included in this category. "Built-in electric units" are permanently installed in floors, walls, or ceilings. A "floor, wall, or pipeless furnace" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. "Other means" includes room heaters with or without flue, fireplaces, stoves, and portable heaters of all types.

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

**Air conditioning.**—(See facsimiles of questionnaire item H22 and instructions on pages App-11 and App-13.) Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers which are not connected to a refrigeration unit. A central system is a central installation which air-conditions the entire housing unit. In an apartment building, a central system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system. 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.

**Automobiles available.**—(See facsimiles of questionnaire item H23 and instructions on pages App-11 and App-13.) Statistics on automobiles available represent the number of passenger automobiles, including station wagons, which are owned or regularly used by any member of the household and

which are ordinarily kept at home. Taxicabs, pickups, or larger trucks were not to be counted. The figures include leased automobiles and company-owned automobiles kept at home. The statistics, therefore, do not reflect the number of automobiles privately owned or the number of households owning automobiles.

**Appliances.**—(See facsimiles of questionnaire items H27 and instructions on pages App-12 and App-13.)

**Automatic clothes washing machine.**—This category describes a machine that washes, rinses, and damp dries in the same tub; washer-dryer combinations are included in this group.

**Clothes dryer.**—A clothes dryer is a mechanical appliance in which clothes are dried by heated air. A unit with a washer-dryer combination is classified as having a clothes dryer (as well as an automatic clothes washing machine.)

**Dishwasher.**—This category includes both built-in and portable dishwashers.

**Home food freezer.**—A home food freezer is an appliance, separate from the refrigerator, designed for freezing food and for storing frozen food.

**Owned second home.**—(See facsimiles of questionnaire item H30 and instructions on pages App-12 and App-13.) A second home may be a single-family house, vacation cottage, hunting cabin, ski lodge, etc., which is owned and held for use sometime during the year by the owner or members of his household. Second homes may also be owned in partnership with members of a different household. The figures include second homes which are some-

times rented or leased on a short-term basis to other persons but are principally held for the owner's occasional use during the year.

The statistics refer to the number of households that own (one or more) second homes. The data, therefore, do not reflect the number of owned second homes.

#### FINANCIAL CHARACTERISTICS

**Value.**—(See facsimiles of questionnaire item H11 and instructions on pages App-10 and App-13.) Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. The statistics on value are shown only for one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The value tabulations also exclude mobile homes and trailers and units in cooperatives and condominiums.

As stated in the section on "units in structure," certain mobile homes and trailers were incorrectly classified as one-family houses in the HC(1)-A tabulations. In the HC(2) reports, the number of specified owner-occupied (one-family) units and the value tabulations correctly exclude the misclassified mobile homes and trailers; these tend to be at the lower end of the value distribution. As a result, the data on value shown in this report may differ from the comparable statistics in the HC(1)-A report.

**Sales price asked.**—For vacant units, the sales price is the amount asked for the property at the time of enumeration. The statistics on sales price are shown only for vacant for sale one-family houses on less than 10 acres without a commercial establishment or medical office on the property.



**Gross rent.**—(See facsimiles of questionnaire items H12 and H13 and instructions on pages App-10, 11, and 13.) The computed rent termed "gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, water) and fuels (oil, coal, kerosene, wood, etc.), if these items are paid for by the renter (or paid for him by someone else, such as a relative, welfare agency, or friend) in addition to rent. Contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included. Thus, gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuel as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but they are converted to monthly figures in the computation process.

The statistics on rent exclude one-family houses on ten acres or more. Renter units occupied without payment of cash rent are shown separately as "no cash rent" in the rent tabulations.

**Rent asked.**—For vacant units, the rent is the amount asked for the unit at the time of enumeration. The data are for vacant year-round units for rent, excluding one-family houses on ten acres or more. In table 10, data are provided for two kinds of vacant-for-rent units—those for which the rent includes payment for all utilities and fuel, and those for which the rent includes only some or none of the utilities and fuel. See section on "Gross rent" above for discussion of utilities and fuel.

**Value-income ratio.**—The value-income ratio is computed by dividing the value

of the housing unit by the total income in 1969 of the family or primary individual. The ratio is presented for the same owner-occupied units for which value was tabulated; thus, the statistics on value-income ratio reflect the exclusion of certain owner-occupied units. The ratio was computed separately for each unit and was rounded to the nearest tenth. In reporting value, respondents were asked to select an appropriate class interval. The midpoints of the value intervals were used in the computation of the value-income ratio, except that a mean of \$3,500 was assigned for values less than \$5,000 and a mean of \$60,000 was assigned for values of \$50,000 or more. For income, the dollar amounts were used. Units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

**Gross rent as percentage of income.**—The yearly gross rent (monthly gross rent multiplied by 12) is expressed as a percentage of the total income in 1969 of the family or primary individual. The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics on gross rent as percentage of income reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. For gross rent, the dollar amounts were used in the computation except that \$999 was assigned for monthly rentals of \$1,000 or more. For income, the dollar amounts were used. Units for which no cash rent is paid and units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

## HOUSEHOLD CHARACTERISTICS

**Head of household.**—One person in each household is designated as the "head," that is, the person who is regarded as the head by the members of the household. However, if a married woman living with her husband is reported as the head, her husband was considered the head for the purpose of simplifying the tabulations.

**Household composition.**—Statistics by age of head are presented separately for two-or-more person households and for one-person households. Households having two or more persons are further subdivided as follows:

**Male head, wife present, no non-relatives.**—Each household in this group consists of the head and his wife, and other persons, if any, all of whom are related to him.

**Other male head.**—This category includes households with male head, wife present, with non-relatives living with them; male heads who are married, but with wife absent because of separation or other reason where husband and wife maintain separate residences; and male heads who are widowed, divorced, or single.

**Female head.**—This group comprises households with female heads regardless of their marital status. Included are female heads with no spouse and female heads whose husbands are living away from their families, as for example, husbands in the Armed Forces living on military installations.

Households consisting of only one person are shown separately as "one-person households" and are not included in the subcategories "other male head" and "female head."

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

**Family or primary individual.**—Housing units are occupied by either "families" or "primary individuals." The term "family" refers to the head of a household and all (one or more) other persons living in the same household who are related to the head by blood, marriage, or adoption. If the head lives alone or with nonrelatives only, then the head is considered a "primary individual."

Married couples related to the head of a family are included in the family and are not considered as separate families. A lodger, servant, or other person unrelated to the head is considered a member of the household but not of the family.

In the statistics on household composition, families are always included in one of the three major groups of two-or-more person households. Primary individuals with nonrelatives living with them are tabulated as "other male head" or "female head." Primary individuals living alone are always tabulated as "one-person households."

**Income in 1969.**—Income is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare 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, health insurance premiums, Medicare deductions, etc.

In this report, the statistics relate 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. Incomes of persons living in the unit but not related to the head of the household are not included in this sum. Although the income statistics cover the calendar year 1969, the characteristics of the household refer to the time of enumeration (April 1970). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1969 if these persons no longer resided with the family at the time of the census. On the other hand, family income includes amounts reported by related persons who did not reside with the family during 1969 but who were members of the family at the time of enumeration. For most families, however, the income reported was received by persons who were members of the family throughout 1969.

Wage or salary income is defined as the total money earnings received for work performed as an employee at any time during the calendar year 1969. It includes wages, salary, pay from Armed Forces, commissions, tips, piece rate payments, and cash bonuses earned. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, farm, professional enterprise, or partnership in which the person was engaged on his own account.

Social Security or railroad retirement income includes cash receipts of Social Security pensions, survivors' benefits, permanent disability insurance payments, and special benefit payments made by the Social Security Administration. Cash receipt of retire-

ment, disability, and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Public assistance income includes cash receipts of payments made under the following public assistance programs: Aid to families with dependent children, old age assistance, general assistance, aid to the blind, and aid to the permanently and totally disabled. Separate payments received for hospital or other medical care are not included.

Income from all other sources includes money income received from sources such as interest; dividends; net income (or loss) from property rentals; net receipts from roomers or boarders; veteran's payments; public or private pensions; periodic receipts from insurance policies or annuities; unemployment insurance benefits; workmen's compensation cash benefits; net royalties; periodic payments from estates and trust funds; alimony or child support from persons who are not members of the household; net gambling gains; nonservice scholarships and fellowships; and money received for transportation and/or subsistence by persons participating in special governmental training programs, e.g., under the Manpower Development and Training Act.

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" such as food produced and consumed in the home or free living quarters; 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. (A more detailed discussion of income is given in the 1970 Population Census, PC(1)-C reports.)

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES  
(Questions on this page appeared on both the 15-percent and 5-percent questionnaires)

<p><b>A.</b> How many living quarters, occupied and vacant, are at this address?</p> <p><input type="radio"/> One</p> <p><input type="radio"/> 2 apartments or living quarters</p> <p><input type="radio"/> 3 apartments or living quarters</p> <p><input type="radio"/> 4 apartments or living quarters</p> <p><input type="radio"/> 5 apartments or living quarters</p> <p><input type="radio"/> 6 apartments or living quarters</p> <p><input type="radio"/> 7 apartments or living quarters</p> <p><input type="radio"/> 8 apartments or living quarters</p> <p><input type="radio"/> 9 apartments or living quarters</p> <p><input type="radio"/> 10 or more apartments or living quarters</p> <p><input type="radio"/> This is a mobile home or trailer</p> <p><b>Answer these questions for your living quarters:</b></p> <p><b>H1.</b> Is there a telephone on which people in your living quarters can be called?</p> <p><input type="radio"/> Yes — What is the number? _____</p> <p style="text-align: right; margin-right: 50px;"><i>Phone number</i></p> <p><b>H2.</b> Do you enter your living quarters—</p> <p><input type="radio"/> Directly from the outside or through a common or public hall?</p> <p><input type="radio"/> Through someone else's living quarters?</p> <p><b>H3.</b> Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cook stove, and a refrigerator.</p> <p><input type="radio"/> Yes, for this household only</p> <p><input type="radio"/> Yes, but also used by another household</p> <p><input type="radio"/> No complete kitchen facilities for this household</p> <p><b>H4.</b> How many rooms do you have in your living quarters? Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.</p> <p><input type="radio"/> 1 room                      <input type="radio"/> 6 rooms</p> <p><input type="radio"/> 2 rooms                      <input type="radio"/> 7 rooms</p> <p><input type="radio"/> 3 rooms                      <input type="radio"/> 8 rooms</p> <p><input type="radio"/> 4 rooms                      <input type="radio"/> 9 rooms or more</p> <p><input type="radio"/> 5 rooms</p> <p><b>H5.</b> Is there hot and cold piped water in this building?</p> <p><input type="radio"/> Yes, hot and cold piped water in this building</p> <p><input type="radio"/> No, only cold piped water in this building</p> <p><input type="radio"/> No piped water in this building</p> <p><b>H6.</b> Do you have a flush toilet?</p> <p><input type="radio"/> Yes, for this household only</p> <p><input type="radio"/> Yes, but also used by another household</p> <p><input type="radio"/> No flush toilet</p> <p><b>H7.</b> Do you have a bathtub or shower?</p> <p><input type="radio"/> Yes, for this household only</p> <p><input type="radio"/> Yes, but also used by another household</p> <p><input type="radio"/> No bathtub or shower</p> <p><b>H8.</b> Is there a basement in this building?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No, built on a concrete slab</p> <p><input type="radio"/> No, built in another way (include mobile homes and trailers)</p>	<p><b>H9.</b> Are your living quarters—</p> <p><input type="radio"/> Owned or being bought by you or by someone else in this household? Do not include cooperatives and condominiums here.</p> <p><input type="radio"/> A cooperative or condominium which is owned or being bought by you or by someone else in this household?</p> <p><input type="radio"/> Rented for cash rent?</p> <p><input type="radio"/> Occupied without payment of cash rent?</p> <p><b>H10a.</b> Is this building a one-family house?</p> <p><input type="radio"/> Yes, a one-family house</p> <p><input type="radio"/> No, a building for 2 or more families or a mobile home or trailer</p> <p><b>b. If "Yes"—</b> Is this house on a place of 10 acres or more, or is any part of this property used as a commercial establishment or medical office?</p> <p><input type="radio"/> Yes, 10 acres or more</p> <p><input type="radio"/> Yes, commercial establishment or medical office</p> <p><input type="radio"/> No, none of the above</p> <p><b>H11.</b> If you live in a one-family house which you own or are buying— What is the value of this property; that is, how much do you think this property (house and lot) would sell for if it were for sale?</p> <p><input type="radio"/> Less than \$5,000</p> <p><input type="radio"/> \$5,000 to \$7,499</p> <p><input type="radio"/> \$7,500 to \$9,999</p> <p><input type="radio"/> \$10,000 to \$12,499</p> <p><input type="radio"/> \$12,500 to \$14,999</p> <p><input type="radio"/> \$15,000 to \$17,499</p> <p><input type="radio"/> \$17,500 to \$19,999</p> <p><input type="radio"/> \$20,000 to \$24,999</p> <p><input type="radio"/> \$25,000 to \$34,999</p> <p><input type="radio"/> \$35,000 to \$49,999</p> <p><input type="radio"/> \$50,000 or more</p> <div style="border: 1px solid black; padding: 5px; font-size: small;"> <p>If this house is on a place of 10 acres or more, or if any part of this property is used as a commercial establishment or medical office, do not answer this question.</p> </div> <p><b>H12.</b> Answer this question if you pay rent for your living quarters.</p> <p><b>a. If rent is paid by the month—</b></p> <p>What is the monthly rent?</p> <p>Write amount here → \$ _____ .00 (Nearest dollar)</p> <p>and</p> <p>Fill one circle</p> <p><input type="radio"/> Less than \$30</p> <p><input type="radio"/> \$30 to \$39</p> <p><input type="radio"/> \$40 to \$49</p> <p><input type="radio"/> \$50 to \$59</p> <p><input type="radio"/> \$60 to \$69</p> <p><input type="radio"/> \$70 to \$79</p> <p><input type="radio"/> \$80 to \$89</p> <p><input type="radio"/> \$90 to \$99</p> <p><input type="radio"/> \$100 to \$119</p> <p><input type="radio"/> \$120 to \$149</p> <p><input type="radio"/> \$150 to \$199</p> <p><input type="radio"/> \$200 to \$249</p> <p><input type="radio"/> \$250 to \$299</p> <p><input type="radio"/> \$300 or more</p> <p><b>b. If rent is not paid by the month—</b></p> <p>What is the rent, and what period of time does it cover?</p> <p>\$ _____ .00 per _____</p> <p style="text-align: center; font-size: small;">(Nearest dollar)                      (Week, half-month, year, etc.)</p>	<p style="text-align: center; font-size: small;">FOR CENSUS ENUMERATOR'S USE ONLY</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; border-bottom: 1px solid black; font-size: small;">a4. Block number</th> <th style="width: 50%; border-bottom: 1px solid black; font-size: small;">a5. Serial number</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td style="text-align: center;">1</td><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">2</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">4</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">5</td></tr> <tr><td style="text-align: center;">6</td><td style="text-align: center;">6</td></tr> <tr><td style="text-align: center;">7</td><td style="text-align: center;">7</td></tr> <tr><td style="text-align: center;">8</td><td style="text-align: center;">8</td></tr> <tr><td style="text-align: center;">9</td><td style="text-align: center;">9</td></tr> </tbody> </table> <p><b>B. Type of unit or quarters</b></p> <p style="text-align: center; font-size: small;">Occupied</p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p style="text-align: center; font-size: small;">Vacant</p> <p><input type="radio"/> Regular</p> <p><input type="radio"/> Usual residence elsewhere</p> <p style="text-align: center; font-size: small;">Group quarters</p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p style="font-size: x-small;">For a vacant unit, also fill C, D, A, H2 to H8, and H10 to H12</p> <p><b>C. Vacancy status</b></p> <p style="text-align: center; font-size: small;">Year round—</p> <p><input type="radio"/> For rent</p> <p><input type="radio"/> For sale only</p> <p><input type="radio"/> Rented or sold, not occupied</p> <p><input type="radio"/> Held for occasional use</p> <p><input type="radio"/> Other vacant</p> <p><input type="radio"/> Seasonal</p> <p><input type="radio"/> Migratory</p> <p><b>D. Months vacant</b></p> <p><input type="radio"/> Less than 1 month</p> <p><input type="radio"/> 1 up to 2 months</p> <p><input type="radio"/> 2 up to 6 months</p> <p><input type="radio"/> 6 up to 12 months</p> <p><input type="radio"/> 1 year up to 2 years</p> <p><input type="radio"/> 2 years or more</p> <p><b>C/O</b>    <input type="radio"/>    <input type="radio"/></p>	a4. Block number	a5. Serial number	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
a4. Block number	a5. Serial number																							
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APPENDIX B—Continued

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES  
(Percent indicates sample size)

<p><b>H13.</b> Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for—</p> <p><b>a. Electricity?</b></p> <p><input type="radio"/> Yes, average monthly cost is → \$ _____ .00 Average monthly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, electricity not used</p> <p><b>b. Gas?</b></p> <p><input type="radio"/> Yes, average monthly cost is → \$ _____ .00 Average monthly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, gas not used</p> <p><b>c. Water?</b></p> <p><input type="radio"/> Yes, yearly cost is → \$ _____ .00 Yearly cost</p> <p><input type="radio"/> No, included in rent or no charge</p> <p><b>d. Oil, coal, kerosene, wood, etc.?</b></p> <p><input type="radio"/> Yes, yearly cost is → \$ _____ .00 Yearly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, these fuels not used</p>	<p><b>H19.</b> Do you get water from—</p> <p><input type="radio"/> A public system (city water department, etc.) or private company?</p> <p><input type="radio"/> An individual well?</p> <p><input type="radio"/> Some other source (a spring, creek, river, cistern, etc.)?</p>
<p><b>H14.</b> How are your living quarters heated? Fill <u>one</u> circle for the kind of heat you use most.</p> <p><input type="radio"/> Steam or hot water system</p> <p><input type="radio"/> Central warm air furnace with ducts to the individual rooms, or central heat pump</p> <p><input type="radio"/> Built-in electric units (permanently installed in wall, ceiling, or baseboard)</p> <p><input type="radio"/> Floor, wall, or pipeless furnace</p> <p><input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene</p> <p><input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)</p> <p><input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind</p> <p>In some other way—Describe → _____</p> <p><input type="radio"/> None, unit has no heating equipment</p>	<p><b>H20.</b> Is this building connected to a public sewer?</p> <p><input type="radio"/> Yes, connected to public sewer</p> <p><input type="radio"/> No, connected to septic tank or cesspool</p> <p><input type="radio"/> No, use other means</p>
<p><b>H15.</b> About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</p> <p><input type="radio"/> 1969 or 1970      <input type="radio"/> 1950 to 1959</p> <p><input type="radio"/> 1965 to 1968      <input type="radio"/> 1940 to 1949</p> <p><input type="radio"/> 1960 to 1964      <input type="radio"/> 1939 or earlier</p>	<p><b>H21.</b> How many bathrooms do you have? A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water. A half bathroom has at least a flush toilet or bathtub or shower, but does <u>not</u> have all the facilities for a complete bathroom.</p> <p><input type="radio"/> No bathroom, or only a half bathroom</p> <p><input type="radio"/> 1 complete bathroom</p> <p><input type="radio"/> 1 complete bathroom, plus half bath(s)</p> <p><input type="radio"/> 2 complete bathrooms</p> <p><input type="radio"/> 2 complete bathrooms, plus half bath(s)</p> <p><input type="radio"/> 3 or more complete bathrooms</p>
<p><b>H16.</b> Which best describes this building? Include all apartments, flats, etc., even if vacant.</p> <p><input type="radio"/> A one-family house detached from any other house</p> <p><input type="radio"/> A one-family house attached to one or more houses</p> <p><input type="radio"/> A building for 2 families</p> <p><input type="radio"/> A building for 3 or 4 families</p> <p><input type="radio"/> A building for 5 to 9 families</p> <p><input checked="" type="radio"/> A building for 10 to 19 families</p> <p><input type="radio"/> A building for 20 to 49 families</p> <p><input type="radio"/> A building for 50 or more families</p> <p><input type="radio"/> A mobile home or trailer</p> <p>Other— Describe _____</p>	<p><b>H22.</b> Do you have air-conditioning?</p> <p><input type="radio"/> Yes, 1 individual room unit</p> <p><input type="radio"/> Yes, 2 or more individual room units</p> <p><input type="radio"/> Yes, a central air-conditioning system</p> <p><input type="radio"/> No</p>
<p><b>H17.</b> Is this building—</p> <p><input type="radio"/> On a city or suburban lot?— Skip to H19</p> <p><input type="radio"/> On a place of less than 10 acres?</p> <p><input type="radio"/> On a place of 10 acres or more?</p>	<p><b>H23.</b> How many passenger automobiles are owned or regularly used by members of your household? Count company cars kept at home.</p> <p><input type="radio"/> None</p> <p><input type="radio"/> 1 automobile</p> <p><input type="radio"/> 2 automobiles</p> <p><input type="radio"/> 3 automobiles or more</p>
<p><b>H18.</b> Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—</p> <p><input type="radio"/> Less than \$50 (or None)</p> <p><input type="radio"/> \$50 to \$249</p> <p><input type="radio"/> \$250 to \$2,499</p> <p><input checked="" type="radio"/> \$2,500 to \$4,999</p> <p><input type="radio"/> \$5,000 to \$9,999</p> <p><input type="radio"/> \$10,000 or more</p>	

15 and 5 percent

15 percent

FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES  
(Percent indicates sample size)

<p><b>H13.</b> Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for—</p> <p><b>a. Electricity?</b></p> <p><input type="radio"/> Yes, average monthly cost is → \$ _____ .00 Average monthly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, electricity not used</p> <hr/> <p><b>b. Gas?</b></p> <p><input type="radio"/> Yes, average monthly cost is → \$ _____ .00 Average monthly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, gas not used</p> <hr/> <p><b>c. Water?</b> <input checked="" type="checkbox"/></p> <p><input type="radio"/> Yes, yearly cost is → \$ _____ .00 Yearly cost</p> <p><input type="radio"/> No, included in rent or no charge</p> <hr/> <p><b>d. Oil, coal, kerosene, wood, etc.?</b></p> <p><input type="radio"/> Yes, yearly cost is → \$ _____ .00 Yearly cost</p> <p><input type="radio"/> No, included in rent</p> <p><input type="radio"/> No, these fuels not used</p>	<p><b>H24a.</b> How many stories (floors) are in this building?</p> <p><input type="radio"/> 1 to 3 stories</p> <p><input type="radio"/> 4 to 6 stories</p> <p><input type="radio"/> 7 to 12 stories</p> <p><input checked="" type="radio"/> 13 stories or more</p> <p><b>b.</b> If 4 or more stories— Is there a passenger elevator in this building?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H14.</b> How are your living quarters heated? Fill one circle for the kind of heat you use most.</p> <p><input type="radio"/> Steam or hot water system</p> <p><input type="radio"/> Central warm air furnace with ducts to the individual rooms, or central heat pump</p> <p><input type="radio"/> Built-in electric units (permanently installed in wall, ceiling, or baseboard) <input checked="" type="checkbox"/></p> <p><input type="radio"/> Floor, wall, or pipeless furnace</p> <p><input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene</p> <p><input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)</p> <p><input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind</p> <p>In some other way—Describe → _____</p> <p><input type="radio"/> None, unit has no heating equipment</p>	<p><b>H25a.</b> Which fuel is used most for cooking? <input checked="" type="checkbox"/></p> <p>Gas { From underground pipes serving the neighborhood. <input type="radio"/></p> <p>          { Bottled, tank, or LP ..... <input type="radio"/></p> <p>Electricity ..... <input type="radio"/></p> <p>Fuel oil, kerosene, etc. .... <input type="radio"/></p> <p>Coal or coke <input type="radio"/></p> <p>Wood ..... <input type="radio"/></p> <p>Other fuel .. <input type="radio"/></p> <p>No fuel used <input type="radio"/></p> <hr/> <p><b>b.</b> Which fuel is used most for house heating? <input checked="" type="checkbox"/></p> <p>Gas { From underground pipes serving the neighborhood. <input type="radio"/></p> <p>          { Bottled, tank, or LP ..... <input type="radio"/></p> <p>Electricity ..... <input type="radio"/></p> <p>Fuel oil, kerosene, etc. .... <input type="radio"/></p> <p>Coal or coke <input type="radio"/></p> <p>Wood ..... <input type="radio"/></p> <p>Other fuel .. <input type="radio"/></p> <p>No fuel used <input type="radio"/></p> <hr/> <p><b>c.</b> Which fuel is used most for water heating? <input checked="" type="checkbox"/></p> <p>Gas { From underground pipes serving the neighborhood. <input type="radio"/></p> <p>          { Bottled, tank, or LP ..... <input type="radio"/></p> <p>Electricity ..... <input type="radio"/></p> <p>Fuel oil, kerosene, etc. .... <input type="radio"/></p> <p>Coal or coke <input type="radio"/></p> <p>Wood ..... <input type="radio"/></p> <p>Other fuel .. <input type="radio"/></p> <p>No fuel used <input type="radio"/></p>
<p><b>H15.</b> About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</p> <p><input type="radio"/> 1969 or 1970      <input type="radio"/> 1950 to 1959</p> <p><input type="radio"/> 1965 to 1968      <input checked="" type="radio"/> 1940 to 1949</p> <p><input type="radio"/> 1960 to 1964      <input type="radio"/> 1939 or earlier</p>	<p><b>H26.</b> How many bedrooms do you have? Count rooms used mainly for sleeping even if used also for other purposes.</p> <p><input type="radio"/> No bedroom      <input type="radio"/> 3 bedrooms</p> <p><input type="radio"/> 1 bedroom      <input checked="" type="radio"/> 4 bedrooms</p> <p><input type="radio"/> 2 bedrooms      <input type="radio"/> 5 bedrooms or more</p>
<p><b>H16.</b> Which best describes this building? Include all apartments, flats, etc., even if vacant.</p> <p><input type="radio"/> A one-family house detached from any other house</p> <p><input type="radio"/> A one-family house attached to one or more houses</p> <p><input type="radio"/> A building for 2 families</p> <p><input type="radio"/> A building for 3 or 4 families</p> <p><input type="radio"/> A building for 5 to 9 families</p> <p><input checked="" type="radio"/> A building for 10 to 19 families      <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="radio"/> A building for 20 to 49 families</p> <p><input type="radio"/> A building for 50 or more families</p> <p><input type="radio"/> A mobile home or trailer</p> <p>Other— Describe _____</p>	<p><b>H27a.</b> Do you have a clothes washing machine?</p> <p><input type="radio"/> Yes, automatic or semi-automatic</p> <p><input type="radio"/> Yes, wringer or separate spinner</p> <p><input type="radio"/> No</p> <hr/> <p><b>b.</b> Do you have a clothes dryer?</p> <p><input type="radio"/> Yes, electrically heated</p> <p><input type="radio"/> Yes, gas heated</p> <p><input checked="" type="radio"/> No</p> <hr/> <p><b>c.</b> Do you have a dishwasher (built-in or portable)?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <hr/> <p><b>d.</b> Do you have a home food freezer which is separate from your refrigerator?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H17.</b> Is this building—</p> <p><input type="radio"/> On a city or suburban lot?—Skip to H24</p> <p><input type="radio"/> On a place of less than 10 acres?</p> <p><input type="radio"/> On a place of 10 acres or more?</p>	<p><b>H28a.</b> Do you have a television set? Count only sets in working order.</p> <p><input type="radio"/> Yes, one set</p> <p><input type="radio"/> Yes, two or more sets</p> <p><input type="radio"/> No</p> <hr/> <p><b>b.</b> If "Yes"—Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83?</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p><b>H18.</b> Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—</p> <p><input type="radio"/> Less than \$50 (or None) <input checked="" type="checkbox"/></p> <p><input type="radio"/> \$50 to \$249      <input type="radio"/> \$2,500 to \$4,999</p> <p><input type="radio"/> \$250 to \$2,499      <input type="radio"/> \$5,000 to \$9,999</p> <p><input type="radio"/> <input type="radio"/> \$10,000 or more</p>	<p><b>H29.</b> Do you have a battery-operated radio? Count car radios, transistors, and other battery-operated sets in working order or needing only a new battery for operation.</p> <p><input type="radio"/> Yes, one or more      <input type="radio"/> No</p>
<p><b>H30.</b> Do you (or any member of your household) own a second home or other living quarters which you occupy sometime during the year?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>	

15 and 5 percent

5 percent

## APPENDIX B—Continued

### FACSIMILE OF THE RESPONDENT INSTRUCTIONS FOR THE HOUSING QUESTIONS IN THE 1970 CENSUS

If you live in an apartment building and you do not know the answers to questions H14, H15, H16, and H25, ask the person who runs your building (for example, the manager, rental agent, superintendent, janitor, etc.).

- A.** Mark only one circle. This address means the house or building number where your living quarters are located.
- H1.** Mark **Yes** and enter telephone number, even if the telephone is in another apartment or building.
- H2.** Mark the second circle only if you **must** go through someone else's living quarters to get to your own.
- H3.** The kitchen sink, stove, and refrigerator do **not** have to be in the same room.  
**Also used by another household** means that someone else who lives in the same building, but is not a member of your household, also uses the equipment. Mark this circle also if the occupants of living quarters now vacant would also use the equipment.
- H4.** 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 kitchenettes, strip or pullman kitchens; utility rooms; or unfinished attics, basements, or other space used for storage.
- H5.** Mark **hot water** even if you have it only part of the time.
- H6, H7.** See instructions for H3 for meaning of **Also used by another household**.
- H8.** A house has a **basement** if there is enclosed space in which persons can walk upright under all or part of the building. A house on a **concrete slab** has no basement and no air or crawl space below it. A house built in **another way** is one directly on the ground or resting on a foundation or posts to provide crawl space.
- H9.** **Owned or being bought** means that 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, 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.
- H10.** 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. If your house is on a place of 10 acres or more **and** also contains a commercial establishment or medical office, mark **Yes, 10 acres or more**.
- 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.
- H12.** Report the rent agreed to or contracted for, even if the furnishings, utilities, or services are included.  
**a.** If you pay rent by the month, write in the amount of rent and fill one circle.  
**b.** If rent is **not** paid by the month, answer both parts of **b.** For example, \$20 per week, \$1,500 per year, etc.
- H13.** If exact costs are not known, estimate as closely as possible. Report amounts even if bills are unpaid or are 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.
- H14.** This question refers to the type of **heating equipment** and not to the fuel used.  
A **heat pump** is sometimes known as a **reverse cycle** system.  
A **floor, wall, or pipeless furnace** delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. These furnaces do not have ducts leading to other rooms.  
Any heater that you plug into an electric outlet should be counted as a **portable room heater**--not a built-in electric unit.
- H16.** Count all occupied and vacant living quarters in the house or building, but not stores or office space.  
**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.
- H17.** 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.
- H18.** Fill the circle for the total (gross) amount of money received from the sales of crops, livestock, and other farm products produced on this place during the calendar year 1969.
- H19.** 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 an **individual well**.
- H20.** 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.
- H22.** Count only equipment with a refrigeration unit to cool the air. Mark an **individual room unit** for air conditioners which are installed in a window or in an outside wall and are used to cool one or more rooms. Mark a **central system** for a central installation which cools the entire house or apartment.
- H23.** Do not count cars permanently out of working order. Also do not count taxicabs, pickups, or larger trucks.
- H24a.** Do not count a basement as a story.  
**b.** Do not count elevators used only for freight.
- H25.** **Gas from underground pipes** is piped in from a central system such as 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.
- H27.** Mark the **Yes** circle whether you own the appliance or it is provided as part of the equipment in your living quarters. Do **not** count coin-operated equipment or appliances in storage.
- H28.** Count any set **equipped** to receive UHF (ultra high frequency) broadcasts, even if there are no such broadcasts in your area. Include sets that can be tuned directly to channels 14 to 83 and sets that receive UHF broadcasts by means of a converter. Also include sets that receive UHF broadcasts through a community antenna (CATV) or master antenna.
- H29.** A battery-operated radio is one that can be run on batteries and does not need to be plugged into an electric socket. Include battery-operated sets owned by any member of the household.
- H30.** Do **not** count vacation trailers, tents, or boats. Also do **not** count second homes used only for investment purposes.

## Appendix C.—ACCURACY OF THE DATA

SOURCES OF ERROR.....	App-14
EDITING OF UNACCEPTABLE DATA .....	App-14
SAMPLE DESIGN .....	App-14
RATIO ESTIMATION .....	App-15
SAMPLING VARIABILITY .....	App-16

### SOURCES OF ERROR

Human and mechanical errors occur in any mass statistical operation such as a decennial census. Errors during the data collection phase can include failure to obtain required information from respondents, obtaining incorrect or inconsistent information, and recording information in the wrong place or incorrectly. Errors can also occur during the field review of the enumerator's work, the clerical handling of the questionnaires, the manual editing and coding operations, and the various stages of the electronic processing of the material. Careful efforts are made in every census to keep the errors in each step at an acceptably low level. Quality control and check measures are utilized throughout the census operation. As was done for the 1950 and 1960 censuses, evaluative material on many aspects of the 1970 census will be published as soon as the appropriate data are accumulated and analyzed. A major concern in the evaluation work is to ascertain, insofar as possible, the degree of completeness of the count of both population and housing units.

### 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.

Whenever information was missing, an allocation procedure was used to assign an entry, thereby eliminating the need for a "not reported" category in the tabulations. The assignment was based on related information reported for the housing unit or on information reported for a similar unit in the immediate neighborhood. For example, if tenure for an occupied unit was omitted but a rental amount was reported, the computer automatically edited tenure to "rented for cash rent." On the other hand, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit.

A similar procedure was used when the information reported for an item was inconsistent with other information reported for the unit. For example, if a housing unit was enumerated as having no piped water but having both a bathtub (or shower) and flush toilet for the exclusive use of the occupants of the unit, the computer edited water supply to "hot and cold water," a category considered to be consistent with the reported bathing and toilet facilities.

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 micro-filming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

The extent of allocations for non-responses and inconsistencies is given

for SMSA's and places in the allocation tables in the 1970 Population Census PC(1)-B and PC(1)-C reports, and in the Housing Census HC(1)-A and HC(1)-B reports.

### SAMPLE DESIGN

For sample data collected in the 1970 census, the housing unit, including all its occupants, was the sampling unit; for persons in group quarters identified in advance of the census, it was the person. In non-mail areas, the enumerator canvassed his assigned area and listed all housing units in an address register sequentially in the order in which he first visited the units, whether or not he completed the interview. Every fifth line of the address register was designated as a sample line, and the housing units listed on these lines were included in the sample. Each enumerator was given a random line on which he was to start listing and the order of canvassing was indicated in advance, although the instructions allowed some latitude in the order of visiting addresses. In mail areas, the list of housing units was prepared prior to Census Day either by employing commercial mailing lists corrected through the cooperation of the post office or by listing the units in a process similar to that used in non-mail areas. As in other areas, every fifth housing unit on these lists was designated to be in the sample. In group quarters, all persons were listed and every fifth person was selected for the sample; as indicated in Appendix B, information on the housing characteristics of group quarters was not collected in the census.

This 20-percent sample was subdivided into a 15-percent and a 5-percent sample by designating every fourth 20-percent sample unit as a

member of the 5-percent sample. The remaining sample units became the 15-percent sample. Two types of sample questionnaires were used, one for the 5-percent and one for the 15-percent sample units. Some questions were included on both the 5-percent and 15-percent sample forms and therefore appear for a sample of 20 percent of the units in the census. Other items appeared on either the 15-percent or the 5-percent questionnaires. The sample rates for the various items appearing in this report are shown in table A.

Although the sampling procedure did not automatically insure an exact 20-percent sample of persons or housing units in each locality, the sample design was unbiased if carried through according to instructions; generally for larger areas the deviation from 20 percent was found to be quite small. Biases may have arisen, however, when the enumerator failed to follow his listing and sampling instructions exactly. Quality control procedures were used throughout the census process, and where there was clear evidence that the sampling proce-

dures were not properly followed, some enumerators' assignments were returned to the field for resampling. Estimates for the United States as a whole indicate that 19.6 percent of the total population and 19.7 percent of the total housing units were enumerated on sample questionnaires. The computation of these proportions excluded several classes of the population and housing units for which no attempt at sampling was made. These were the relatively small numbers of persons and housing units (in most States, less than one percent) added to the enumeration from the post-census post office check, the various supplemental forms, and the special check of vacant units. However, the ratio estimation procedure described below adjusts the sample data to reflect these classes of population and housing units.

TABLE A. Sample Rate for Subjects Included in This Report

Subject	Sample rate (percent)	Subject	Sample rate (percent)
<b>OCCUPANCY CHARACTERISTICS</b>		<b>EQUIPMENT AND APPLIANCES</b>	
Occupied housing units . . . . .	20	Heating equipment . . . . .	20
Tenure . . . . .	20	Air conditioning . . . . .	15
Race . . . . .	20	Automobiles available . . . . .	15
Spanish heritage . . . . .	15	Second home . . . . .	5
Year moved into unit . . . . .	15	Clothes washing machine . . . . .	5
		Clothes dryer . . . . .	5
		Dishwasher . . . . .	5
		Home food freezer . . . . .	5
<b>VACANCY CHARACTERISTICS</b>		<b>FINANCIAL CHARACTERISTICS</b>	
Vacant for sale . . . . .	20	Value . . . . .	20
Vacant for rent . . . . .	20	Sales price asked . . . . .	20
Duration of vacancy . . . . .	20	Gross rent . . . . .	20
		Rent asked . . . . .	20
		Inclusion of utilities	
		in rent . . . . .	20
		Value-income ratio . . . . .	20
		Gross rent as percentage	
		of income . . . . .	20
<b>UTILIZATION CHARACTERISTICS</b>		<b>HOUSEHOLD CHARACTERISTICS</b>	
Number of rooms . . . . .	20	Household composition . . . . .	20
Size of household (persons) . . . . .	20	Income . . . . .	20
Persons per room . . . . .	20		
Bedrooms . . . . .	5		
<b>PLUMBING CHARACTERISTICS</b>			
Plumbing facilities . . . . .	20		
Complete bathrooms . . . . .	15		
<b>STRUCTURAL CHARACTERISTICS</b>			
Complete kitchen			
facilities . . . . .	20		
Access . . . . .	20		
Units in structure . . . . .	20		
Mobile home or trailer . . . . .	20		
Year structure built . . . . .	20		
Elevator in structure . . . . .	5		

**RATIO ESTIMATION**

The statistics based on 1970 census sample data are estimates made through the use of ratio estimation procedures which were applied separately for the 5-, 15-, and 20-percent samples. The first step in carrying through the ratio estimates was to establish the areas within which separate ratios were to be prepared. These are referred to as "weighting areas." For the 15- and 20-percent samples the weighting areas contained a minimum population size of 2,500. The weighting areas used for the 5-percent ratio estimate were larger areas having a minimum population size of 25,000 and comprising combinations of the weighting areas used for the 15- and 20-percent samples. Weighting areas were established by a mechanical operation on the computer and were defined to conform, as nearly as possible, to areas for which tabulations are produced. Where these areas do



not agree (primarily for smaller areas), there may be some differences between complete counts and sample estimates.

The ratio estimation process operated in two stages for occupied housing units, and in one stage for vacant units. The first stage for occupied units employed 18 household-type groups (the first of which was empty by definition); the second stage for occupied units used four groups: owner- and renter-occupied units, by race. The single stage for vacant units employed three groups: year-round vacant for sale, year-round vacant for rent, and other vacant.

Group

Occupied housing units:

STAGE I

*Male Head With Own Children Under 18*

- 1 1-person household
- 2 2-person household
- 3 3-person household

.

.

- 6 6-or-more-person household

*Male Head Without Own Children Under 18*

- 7-12 1-person to 6-or-more-person households

*Female Head*

- 13-18 1-person to 6-or-more-person households

STAGE II

*Owner Occupied*

- 19 Negro
- 20 Not Negro

*Renter Occupied*

- 21 Negro
- 22 Not Negro

Vacant housing units:

- 23 Year-round vacant for sale
- 24 Year-round vacant for rent
- 25 Other vacant

At each stage, for each of the occupied housing groups, the ratio of the complete count to the weighted sample count of the housing units in the group was computed and applied to the weight of each sample unit in the group. This operation was performed for each of the 18 groups in the first stage, then for the four groups in the second stage. As a rule, the weighted sample counts within each of the 4 groups in the second stage for occupied units should agree with the complete counts for the weighting areas (close, although not exact consistency can be expected for the 18 groups in the first stage). Similarly, the weighted sample counts within each of the 3 groups in the single stage for vacant housing units should agree with the complete counts for the weighting area.

There are some exceptions to this general rule, however. As indicated above, there may be differences between the complete counts and sample estimates when the tabulation area is not made up of whole weighting areas. Furthermore, in order to increase the reliability, a separate ratio was not computed in a group whenever certain criteria pertaining to the complete count of housing units and the magnitude of the weight were not met. For example, for the 20-percent sample the complete count of units in a group had to exceed 70 units and the ratio of the complete count to the unweighted sample count could not exceed 20. Where these criteria were not met, groups were combined in a specific order until the conditions were met. Where this occurred, con-

sistency between the weighted sample and the complete counts would apply as indicated above for the combined group but not necessarily for each of the groups in the combination.

Each sample housing unit was assigned an integral weight to avoid the complications involved in rounding in the final tables. If, for example, the final weight for a group was 5.2, one-fifth of the units in the group (selected at random) were assigned a weight of 6 and the remaining four-fifths a weight of 5.

The estimates realize some of the gains in sampling efficiency that would have resulted had the population been stratified into the groups before sampling. The net effect is a reduction in both the sampling error and possible bias of most statistics below what would be obtained by weighting the results of the sample by a uniform factor (e.g., by weighting the 20-percent sample results by a uniform factor of 5). The reduction in sampling error will be trivial for some items and substantial for others. A by-product of this estimation procedure is that estimates for this sample are, in general, consistent with the complete count for the housing unit groups used in the estimation procedure. A more complete discussion of the technical aspects of these ratio estimates will be presented in a separate report.

SAMPLING VARIABILITY

The estimates from the 20-, 15-, and 5-percent sample tabulations are subject to sampling variability. The standard errors of these estimates can be approximated by using the data in tables B through D. The chances are about 2 out of 3 that the difference (due to sampling variability) between the sample estimate and the figure that would have been obtained from a

complete count is less than the standard error. The chances are about 19 out of 20 that the difference is less than twice the standard error and about 99 out of 100 that it is less than  $2\frac{1}{2}$  times the standard error. The amount by which the estimated standard error must be multiplied to obtain other odds deemed more appropriate can be found in most statistical textbooks. The sampling errors may be obtained by using the factors shown in table D in conjunction with table B for absolute numbers and in conjunction with table C for percentages. These tables reflect the effect of simple response variance, but not of bias arising in the collection, processing and estimation steps nor of the correlated errors enumerators introduce; estimates of the magnitude of some of these factors in the total error are being evaluated and will be published at a later date.

Table B shows approximate standard errors of estimated numbers for most statistics based on the 20-percent sample. In determining the figures for this table, some aspects of the sample design, the estimation process, and the size of the area over which the data have been compiled are ignored. Table C shows standard errors of most percentages based on the 20-percent sample. Linear interpolation in tables B and C will provide approximate results that are satisfactory for most purposes. Table D provides a factor by which the standard errors shown in tables B or C should be multiplied to adjust for the effect of the sample size (i.e., whether a 15-percent or 5-percent sample) and the effect of the estimation procedure.

To estimate the standard error for a given characteristic, locate the factor in table D for the appropriate characteristic and the sample size used to tabulate the data, and multiply this

factor by the standard error found in table B or C. Where data are shown as cross-classifications of two characteristics, locate and use the larger factor. Similarly, if an item, although collected on one sample basis, has been tabulated for a smaller sample, use the factor appropriate for the smaller sample.

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 three following situations:

1. For a difference between the sample figure and one based on a complete count (e.g., arising from comparisons between sample statistics for 1970 and complete-count statistics for 1960 or 1950), the standard error is identical with the standard error of the 1970 estimate alone.
2. For a difference between two sample figures (that is, one from 1970 and the other from 1960, or both from the same census year), the standard error is approximately the square root of the sum of the squares of the standard errors of each estimate considered separately. This formula will represent the actual standard error quite accurately for the difference between estimates of the same characteristics in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will overestimate the true standard error. The approximate standard error for the 1970 sample figure is derived directly from tables B

through D. The standard error of a 1960 sample figure may be obtained from the relevant 1960 census report.

3. For a difference between two sample estimates, one of which represents a subclass of the other, the tables can be used directly with the difference considered as the sample estimate.

The sampling variability of the medians presented in certain tables (median rooms, median value, median gross rent, etc.) depends on the size of the base and on the distribution on which the median is based. An approximate method for measuring the reliability of an estimated median is to determine an interval about the estimated median such that there is a stated degree of confidence the true median lies within the interval. As the first step in estimating the upper and lower limits of the interval (that is, the confidence limits) about the median, compute one-half the number on which the median is based (designated  $N/2$ ). From table B, following the method outlined in other parts of this section, compute the standard error of an estimated number equal to  $N/2$ . Subtract this standard error from  $N/2$ . Cumulate the frequencies (in the table on which the median is based) until the total first exceeds the difference between  $N/2$  and its standard error, and by linear interpolation obtain a value corresponding to this number. In a corresponding manner, add the standard error to  $N/2$ , cumulate the frequencies in the table, and obtain a value in the table on which the median is based corresponding to the sum of  $N/2$  and its standard error.

The chances are about 2 out of 3 that the median would lie between these two values. The range for 19 chances out of 20 and for 99 in 100

can be computed in a similar manner by multiplying the standard error by the appropriate factors before sub-

tracting from and adding to one-half the number reporting the characteristics. Interpolation to obtain the

values corresponding to these numbers gives the confidence limits for the median.

**TABLE B. Approximate Standard Error of Estimated Number Based on 20-Percent Sample**  
(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated number <sup>1</sup>	Number of housing units in area <sup>2</sup>						
	10,000	25,000	100,000	250,000	1,000,000	2,500,000	4,000,000
50 .....	15	15	15	15	15	15	15
100 .....	20	20	20	20	20	20	20
250 .....	30	30	30	30	30	30	30
500 .....	45	45	45	45	45	45	45
1,000 .....	60	60	65	65	65	65	65
2,500 .....	90	95	100	100	100	100	100
5,000 .....	100	130	140	140	140	140	140
10,000 .....	...	150	190	200	200	200	200
15,000 .....	...	150	230	240	240	240	240
25,000 .....	...	...	270	300	310	310	320
50,000 .....	...	...	320	400	440	440	440
75,000 .....	...	...	270	450	520	540	540
100,000 .....	...	...	...	490	600	620	630

<sup>1</sup>For estimated numbers larger than 100,000, the relative errors are somewhat smaller than for 100,000.

<sup>2</sup>An area is the smallest complete geographic area to which the estimate under consideration pertains. Thus, the area may be the standard metropolitan statistical area or the place. Housing units with Negro heads of household or Spanish heritage heads of household do not represent complete areas.

**TABLE C. Approximate Standard Error of Estimated Percentage Based on 20-Percent Sample**  
(Range of 2 chances out of 3; for factors to be applied see table D and text)

Estimated percentage	Base of percentage						
	500	1,000	2,500	10,000	25,000	100,000	250,000
2 or 98 .....	1.3	0.9	0.6	0.3	0.2	0.1	0.1
5 or 95 .....	2.0	1.4	0.9	0.4	0.3	0.1	0.1
10 or 90 .....	2.7	1.9	1.2	0.6	0.4	0.2	0.1
25 or 75 .....	3.9	2.7	1.7	0.9	0.5	0.3	0.2
50 .....	4.5	3.2	2.0	1.0	0.6	0.3	0.2

TABLE D. Factor to be Applied to Standard Errors

Characteristic <sup>1</sup>	Factor if sample rate is—			Characteristic <sup>1</sup>	Factor if sample rate is—		
	20 percent	15 percent	5 percent		20 percent	15 percent	5 percent
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>				<b>EQUIPMENT, FUELS, AND APPLIANCES</b>			
Year moved into unit .....	...	1.1	...	Heating equipment .....	0.8	0.9	...
Duration of vacancy .....	0.8	...	1.7	Air conditioning .....	...	1.1	...
<b>UTILIZATION CHARACTERISTICS</b>				Automobiles available .....	...	1.0	...
Rooms .....	1.0	1.1	2.1	Appliances .....	...	...	1.9
Size of household (persons) .....	0.5	0.6	1.2	<b>FINANCIAL CHARACTERISTICS</b>			
Persons per room .....	0.4	0.5	0.9	Value .....	1.0	1.1	2.1
Bedrooms .....	...	...	2.1	Value-income ratio .....	1.0	1.2	...
<b>PLUMBING CHARACTERISTICS</b>				Gross rent .....	0.9	1.1	2.1
Complete bathrooms .....	...	1.1	...	Gross rent as percentage of income	1.0	1.2	...
Plumbing facilities .....	1.0	...	...	Sales price asked .....	1.1	...	2.5
<b>STRUCTURAL CHARACTERISTICS</b>				Rent asked .....	1.1	...	2.5
Units in structure .....	0.8	0.9	1.7	<b>HOUSEHOLD CHARACTERISTICS</b>			
Year structure built .....	0.9	1.0	...	Household composition .....	0.6	0.7	...
				Income in 1969 .....	1.0	1.2	2.3
				<b>ALL OTHERS</b> .....	1.0	1.2	2.2

<sup>1</sup>Tabulations of housing data for households with heads of Spanish heritage are based on the 15-percent sample. For characteristics of households with heads of Spanish heritage (tables 19 to 26), use the factors given for the 15-percent sample.

NOTE: In this report an item collected for the 20-percent sample may be cross-tabulated with other items based on the 15-percent or 5-percent samples. In such cases, locate the factor for both items in Table D for the smaller sample size. Use the larger of the two factors. For example, in Table 9, duration of vacancy (a 20-percent item) is cross-tabulated by number of bedrooms (a 5-percent item). The factor for duration of vacancy based on a 5-percent sample is 1.7 and for bedrooms it is 2.1. The factor of 2.1 should be used to adjust the standard errors since it is the larger of the two factors based on the 5-percent sample.

## Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

The results of the 1970 Census of Population and Housing are being issued in the form of printed reports, microfiche copies of the printed reports, computer summary tapes, computer printouts, and microfilm. Listed below are short descriptions of the final report series and computer tapes, as currently planned. More detailed information on this program can be obtained by writing to the Publications Distribution Section, Bureau of the Census, Washington, D.C. 20233.

### Housing Census Reports

#### Volume I.

##### HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

This volume will consist of 58 "parts"—number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain two chapters designated as A and B. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in two series designated as HC(1)-A and B, respectively.

- Series HC(1)-A.  
**GENERAL HOUSING CHARACTERISTICS**

Statistics on tenure, kitchen facilities, plumbing facilities, number of rooms, persons per room, units in structure, mobile home, telephone, value, contract rent, and vacancy status are presented for some or all of the following areas: States (by urban and rural residence), standard metropolitan statistical areas (SMSA's), urbanized areas, places of 1,000 inhabitants or more, and counties.

- Series HC(1)-B.  
**DETAILED HOUSING CHARACTERISTICS**

Statistics are presented on a more detailed basis for the subjects included in the Series HC(1)-A reports, as well as on such additional subjects as year moved into unit, year structure built, basement, heating equipment, fuels, air conditioning, water and sewage, appliances, gross rent, and ownership of second home. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, urbanized areas, places of 2,500 inhabitants or more, and counties (by rural and rural-farm residence).

#### Volume II. METROPOLITAN HOUSING CHARACTERISTICS

These reports, also designated as Series HC(2), cover most of the 1970 census housing subjects in considerable detail and cross-classification. There is one report for each SMSA, presenting data for the SMSA and its central cities and places of 50,000 inhabitants or more, as well as a national summary report.

#### Volume III.

##### BLOCK STATISTICS

One report, under the designation Series HC(3), is issued for each urbanized area showing data for individual blocks on selected housing and population subjects. The series also includes reports for the communities outside urbanized areas which have contracted with the Census Bureau to provide block statistics from the 1970 census.

#### Volume IV.

##### COMPONENTS OF INVENTORY CHANGE

This volume will contain data on the disposition of the 1960 inventory and the source of the 1970 inventory, such as new construction, conversions, mergers, demolitions, and other additions and losses. Cross-tabulations of 1970 and 1960 characteristics for units that have not changed and characteristics of the present and previous residence of recent movers will also be provided. Statistics will be shown for 15 selected SMSA's and for the United States and regions.

#### Volume V.

##### RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, homeowner expenses, and other owner, property, and mortgage characteristics for the United States and regions.

#### Volume VI.

##### ESTIMATES OF "SUBSTANDARD" HOUSING

This volume will present counts of "substandard" housing units for counties and cities, based on the number of units lacking plumbing facilities combined with estimates of units with all plumbing facilities but in "dilapidated" condition.

#### Volume VII.

##### SUBJECT REPORTS

Each report in this volume will concentrate on a particular subject. Detailed information and cross-classifications will generally be provided on a national level; in some reports, data for States or SMSA's may also be shown. Among the subjects to be covered are housing characteristics by household composition, housing of minority groups and senior citizens, and households in mobile homes.

### Population Census Reports

#### Volume I.

##### CHARACTERISTICS OF THE POPULATION

This volume will consist of 58 "parts"—number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain four chapters designated as A, B, C, and D. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in four series designated as PC(1)-A, B, C, and D, respectively. The 58 PC(1)-A reports will be specially assembled and issued in a clothbound book, designated as Part A.

- Series PC(1)-A.  
**NUMBER OF INHABITANTS.**

Final official population counts are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, all incorporated places, and unincorporated places of 1,000 inhabitants or more.

- Series PC(1)-B.  
**GENERAL POPULATION CHARACTERISTICS**

Statistics on age, sex, race, marital status, and relationship to head of household are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, and places of 1,000 inhabitants or more.

- Series PC(1)-C.  
**GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS**

Statistics are presented on nativity and parentage, State or country of birth, Spanish origin, mother tongue, residence 5 years ago, year moved into present house, school enrollment (public or private), years of school completed, vocational training, number of children ever born, family composition, disability, veteran status, employment status, place of work, means of transportation to work, occupation group, industry group, class of worker, and income (by type) in 1969 of families and individuals. Each subject is shown for some or all of the following areas: States, counties (by urban, rural-nonfarm, and rural-farm residence), SMSA's urbanized areas, and places of 2,500 inhabitants or more.

■ Series PC(1)-D.

**DETAILED CHARACTERISTICS**

These reports cover most of the subjects shown in Series PC(1)-C, above, presenting the data in considerable detail and cross-classified by age, race, and other characteristics. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, and large cities.

**Volume II.**

**SUBJECT REPORTS**

Each report in this volume, also designated as Series PC(2), will concentrate on a particular subject. Detailed information and cross-relationships will generally be provided on a national and regional level; in some reports, data for States or SMSA's will also be shown. Among the characteristics to be covered are national origin and race, fertility, families, marital status, migration, education, unemployment, occupation, industry, and income.

**Joint Population-Housing Reports**

Series PHC(1).

**CENSUS TRACT REPORTS**

This series contains one report for each SMSA, showing data for most of the population and housing subjects included in the 1970 census.

Series PHC(2).

**GENERAL DEMOGRAPHIC TRENDS FOR METROPOLITAN AREAS, 1960 TO 1970**

This series consists of one report for each State and the District of Columbia, as well as a national summary report, presenting statistics for the State and for SMSA's and their central cities and constituent counties. Comparative 1960 and 1970 data are shown on population counts by age and race and on such housing subjects as tenure, plumbing facilities, value, and contract rent.

Series PHC(3).

**EMPLOYMENT PROFILES OF SELECTED LOW-INCOME AREAS**

This series consists of approximately 70 reports, each presenting statistics on the social and economic characteristics of the residents of a particular low-income area. The data relate to low-income neighborhoods in 51 cities and seven rural poverty areas. Each report provides statistics on employment and unemployment, education, vocational training, availability for work,

job history, and income, as well as on value or rent and number of rooms in the housing unit.

**Additional Reports**

Series PHC(E).

**EVALUATION REPORTS**

This open series will present the results of the extensive evaluation program conducted as an integral part of the 1970 census program, and relating to such matters as completeness of enumeration and quality of the data on characteristics.

Series PHC(R).

**PROCEDURAL REPORTS**

This open series presents information on various administrative and methodological aspects of the 1970 census, and will include a comprehensive procedural history of the 1970 census. The first report issued focuses on the forms and procedures used in the data collection phase of the census.

**Computer Summary Tapes**

The major portion of the results of the 1970 census is produced in a set of six tabulation counts. To help meet the needs of census users, these counts are being designed to provide data with much greater subject and geographic detail than it is feasible or desirable to publish in printed reports. The data so tabulated are generally available—subject to suppression of certain detail where necessary to protect confidentiality—on magnetic computer tape, printouts, and microfilm, at the cost of preparing the copy.

**First Count**—source of the PC(1)-A reports; contains about 400 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for each of the approximately 250,000 enumeration districts in the United States.

**Second Count**—source of the PC(1)-B, HC(1)-A, and part of the PHC(1) reports; contains about 3,500 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States.

**Third Count**—source of the HC(3) reports; contains about 250 cells of data on the subjects covered in the PC(1)-B and HC(1)-A reports and tabulated for approximately 1,500,000 blocks in the United States.

**Fourth Count**—source of the PC(1)-C, HC(1)-B, and part of the PHC(1) reports; contains about 13,000 cells of data covering the subjects in these reports and tabulated for the approximately 35,000 tracts and 35,000 county subdivisions in the United States; also contains about 30,000 cells of data for each county.

**Fifth Count**—contains approximately 800 cells of population and housing data for 5-digit ZIP code areas in SMSA's and 3-digit ZIP code areas outside SMSA's; the ZIP code data are available only on tape.

**Sixth Count**—source of the PC(1)-D and HC(2) reports; contains about 260,000 cells of data covering the subjects in these reports and tabulated for States, SMSA's, and large cities.

The tapes are generally organized on a State basis. To use the First Count and Third Count tapes, it is necessary to purchase the appropriate enumeration district and block maps.

The term "cells" used herein to indicate the scope of subject content of the several counts refers to each figure or statistic in the tabulation for a specific geographic area. For example, in the Third Count, there are six cells for a cross-classification of race by sex: three categories of race (white, Negro, other race) by two categories of sex (male, female).

In addition to the above-mentioned summary tapes, the Census Bureau makes available for purchase certain sample tape files containing population and housing characteristics as shown on individual census records. These files contain no names or addresses, and the geographic identification is sufficiently broad to protect confidentiality. There are six files, each containing a 1-percent national sample of persons and housing units. Three of the files are drawn from the population covered by the census 15-percent sample and three from the population in the census 5-percent sample. Each of these three files provides a different type of geographic information: One identifies individual large SMSA's and, for the rest of the country, groups of counties; the second individual States and, where they are sufficiently large, provides urban-rural and metropolitan-nonmetropolitan detail; and the third State groups and size of place, with each individual record showing selected characteristics of the persons's neighborhood.

**U.S. DEPARTMENT OF COMMERCE**  
**Social and Economic Statistics Administration**  
BUREAU OF THE CENSUS  
Washington, D.C. 20233

POSTAGE AND FEES PAID  
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Table

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1, 11, 19 VALUE

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2, 12, 20 GROSS RENT

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3, 13, 21 INCOME IN 1969

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4, 14, 22 PLUMBING FACILITIES  
BY PERSONS PER ROOM

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5, 15, 23 ROOMS

---

6, 16, 24 UNITS IN STRUCTURE

---

7, 17, 25 HOUSEHOLD COMPOSITION

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8, 18, 26 PERSONS

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9 DURATION OF VACANCY

---

10 SALES PRICE ASKED  
AND RENT ASKED

---

A UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION




# Metropolitan Housing Characteristics

DURHAM, N.C.

STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-63

A large, stylized illustration on a dark, textured background. On the left, a city skyline with several tall buildings. In the center, the text "1970 CENSUS OF HOUSING" is written in large, bold, white letters. Below the text, there are various silhouettes of different types of houses, including single-story bungalows, two-story houses, and mobile homes, arranged in a cluster.

1970  
CENSUS OF  
HOUSING

U.S. DEPARTMENT  
OF COMMERCE  
Social and Economic  
Statistics Administration

BUREAU OF  
THE CENSUS



# U. S. DEPARTMENT OF COMMERCE

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Conrad Taeuber, Associate Director  
Daniel B. Levine, Acting Deputy Associate Director  
David L. Kaplan, 1970 Census Coordinator

### HOUSING DIVISION

Arthur F. Young, Chief

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This report was planned and written in the Housing Division under the supervision of Arthur F. Young, Chief, by Aaron Josowitz, Assistant Division Chief, Nathan Krevor, Chief, Coordination and Research Branch, and Paul F. Coe, assisted by Robert W. Bonnette, William Downs, and Edward D. Montfort.

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