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Metropolitan Housing Characteristics

JOHNSTOWN, PA.
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-99

1970 CENSUS OF HOUSING



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

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THE CENSUS

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CENSUS OF
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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
OCCUPANCY AND VACANCY CHARACTERISTICS										
Year moved into unit	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Duration of vacancy	—	—	—	9 ¹	9	9	—	—	—	9
UTILIZATION CHARACTERISTICS										
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†	—	—
PLUMBING CHARACTERISTICS										
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†	—	—
STRUCTURAL CHARACTERISTICS										
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*	—	—	—	—	—	—	—	—
EQUIPMENT AND APPLIANCES										
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*	—	—	—	—	—	—	—
FINANCIAL CHARACTERISTICS										
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 ¹	—	—	—	—	9	—
Rent asked	—	—	—	10 ¹	—	10	—	—	9	—
Inclusion of utilities in rent	—	—	—	—	—	—	—	—	—	10
HOUSEHOLD CHARACTERISTICS										
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†	—	—

¹Vacant units tabulated by plumbing facilities only.

INTRODUCTION

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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.

INTRODUCTION—Continued

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

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

Johnstown, Pa.

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,99.]

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MAP

Counties, Standard Metropolitan
Statistical Areas, and Selected Places X

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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)
Specified owner occupied¹	44 957	8 137	7 671	6 782	5 896	4 268	6 544	2 926	1 940	548	245	10 000
ROOMS												
1 and 2 rooms	162	119	17	10	10	—	6	—	—	—	—	5000—
3 rooms	486	300	60	59	26	10	21	5	5	—	—	5000—
4 rooms	5 219	1 816	1 239	763	517	423	358	48	55	—	—	6 600
5 rooms	10 473	2 157	1 802	1 439	1 343	1 054	1 694	707	243	34	—	9 700
6 rooms	16 403	2 303	2 843	2 697	2 436	1 683	2 589	1 107	620	102	23	10 400
7 rooms	6 521	687	902	940	867	628	1 160	1 676	508	121	32	12 100
8 rooms or more	5 693	755	808	874	697	716	470	383	509	291	190	11 500
Median	5.9	5.4	5.8	5.9	5.9	4.7	6.0	6.1	6.6	7.5+	7.5+	...
PERSONS												
1 person	5 430	1 691	1 043	806	669	333	488	204	158	30	8	7 500
2 persons	13 175	2 323	2 425	2 068	1 730	1 197	1 834	840	528	156	74	9 700
3 persons	8 079	1 393	1 284	1 200	1 051	907	1 199	537	330	134	44	10 400
4 persons	7 278	1 038	1 148	1 090	1 004	727	1 232	564	348	103	24	10 900
5 persons	5 126	648	769	706	698	559	922	444	288	42	50	11 600
6 persons or more	5 869	1 044	1 002	912	744	545	869	337	288	83	45	9 900
Median	3.0	2.5	2.8	2.9	3.0	3.2	3.3	3.3	3.4	3.2	3.4	...
Units with roomers, boarders, or lodgers	423	121	72	68	34	25	59	29	15	—	—	8 200
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	42 273	6 260	7 222	6 599	5 801	4 244	6 520	2 900	1 934	548	245	10 500
0.50 or less	22 673	3 354	4 031	3 615	3 177	2 217	3 203	1 444	1 076	384	172	10 300
0.51 to 1.00	17 102	2 278	2 687	2 657	2 294	1 830	2 993	1 339	787	164	73	11 000
1.01 to 1.50	2 215	489	441	313	303	181	300	117	71	—	—	8 900
1.51 or more	283	139	63	14	27	16	24	—	—	—	—	5 100
Lacking some or all plumbing facilities	2 684	1 877	449	183	95	24	24	26	6	—	—	5000—
0.50 or less	1 732	1 226	280	126	47	10	16	21	6	—	—	5000—
0.51 to 1.00	705	501	102	46	42	5	4	5	—	—	—	5000—
1.01 to 1.50	216	124	67	11	6	4	—	—	—	—	—	5000—
1.51 or more	31	26	—	—	—	5	—	—	—	—	—	...
BEDROOMS												
None and 1	1 043	556	166	95	121	—	42	45	18	—	—	5000—
2	11 581	3 380	2 161	1 663	1 549	1 083	1 182	316	185	40	22	7 900
3	23 961	3 499	4 247	3 329	3 349	2 589	3 838	1 610	1 208	235	57	10 700
4 or more	8 439	910	1 327	1 308	1 001	902	1 610	496	593	121	171	11 700
YEAR STRUCTURE BUILT												
1969 to March 1970	395	15	17	5	10	38	60	84	117	35	14	23 100
1965 to 1968	1 592	83	23	78	85	124	376	363	316	81	63	20 400
1960 to 1964	2 135	45	82	101	192	261	645	445	274	74	16	18 300
1950 to 1959	8 661	389	437	744	1 129	1 330	2 469	1 143	718	249	53	15 500
1940 to 1949	5 293	614	816	751	890	702	952	331	185	33	19	11 300
1939 or earlier	26 881	6 991	6 296	5 103	3 590	1 813	2 042	560	330	76	80	7 600
COMPLETE BATHROOMS												
1 and 1 1/2	36 770	5 283	6 681	6 277	5 405	3 944	5 628	2 309	1 077	153	13	10 100
2 and 2 1/2	3 842	94	173	289	332	244	825	681	733	366	105	19 800
3 or more	318	—	6	6	—	—	25	6	8	73	124	42 800
None or also used by another household	3 977	2 652	757	286	153	32	43	46	78	—	—	50 000—
HOUSEHOLD COMPOSITION												
Two-or-more-person households	39 527	6 446	6 628	5 976	5 227	3 935	6 056	2 722	1 782	518	237	10 300
Male head, wife present, no nonrelatives	34 520	5 034	5 540	5 207	4 684	3 534	5 565	2 544	1 696	488	228	10 800
Under 25 years	386	118	61	70	30	56	33	13	5	—	—	8 000
25 to 34 years	4 073	640	679	594	478	354	709	357	197	61	4	10 600
35 to 44 years	7 683	812	1 112	1 102	1 074	841	1 443	593	510	120	76	11 900
45 to 64 years	17 177	2 426	2 743	2 616	2 483	1 771	2 638	1 321	812	243	124	10 800
65 years and over	5 201	1 038	945	825	619	512	742	260	172	64	24	9 400
Other male head	1 642	482	315	304	171	120	154	59	31	6	—	7 700
Under 65 years	985	230	220	190	103	66	103	45	22	6	—	8 100
65 years and over	657	252	95	114	68	54	51	14	9	—	—	7 000
Female head	3 365	930	773	465	372	281	337	119	55	24	9	7 400
Under 65 years	2 135	624	467	275	212	184	220	85	45	18	5	7 400
65 years and over	1 230	306	306	190	160	97	117	34	10	6	4	7 500
One-person households	5 430	1 691	1 043	806	669	333	488	204	158	30	8	7 500
Under 65 years	2 472	720	461	360	301	176	214	123	82	30	5	7 900
65 years and over	2 958	971	582	446	368	157	274	81	76	—	3	7 200
INCOME IN 1969												
Less than \$2,000	4 234	1 601	907	601	481	220	243	98	66	17	—	6 400
\$2,000 to \$2,999	2 385	734	552	369	281	119	216	77	18	14	5	7 100
\$3,000 to \$3,999	2 605	774	562	398	289	227	236	62	48	4	5	7 400
\$4,000 to \$4,999	2 439	694	562	347	243	198	259	88	44	4	—	7 300
\$5,000 to \$5,999	2 684	715	646	441	284	175	283	66	59	15	—	7 400
\$6,000 to \$6,999	2 964	655	560	527	430	258	302	159	58	15	—	8 800
\$7,000 to \$9,999	11 332	1 691	2 115	2 010	1 691	1 214	1 690	597	265	46	13	9 800
\$10,000 to \$14,999	10 910	1 008	1 400	1 558	1 634	1 347	2 268	1 010	587	80	18	12 300
\$15,000 to \$24,999	4 364	259	307	486	520	437	928	601	603	182	41	15 800
\$25,000 or more	1 040	6	60	45	43	73	119	168	192	171	163	25 300
Median	\$8 400	\$5 400	\$7 100	\$8 100	\$8 700	\$9 300	\$10 100	\$11 600	\$13 500	\$19 300	\$35 200	...
YEAR MOVED INTO UNIT												
1969 to March 1970	2 270	387	278	266	244	223	329	240	183	100	20	12 100
1968	1 860	288	220	249	176	222	247	197	178	34	49	12 500
1967	1 816	282	246	273	243	134	306	157	95	49	31	11 100
1965 and 1966	3 102	475	424	416	310	337	593	296	173	72	6	11 900
1960 to 1964	6 210	719	772	834	884	671	1 207	632	393	66	32	12 200
1950 to 1959	15 091	2 248	2 231	2 296	2 164	1 560	2 560	1 077	649	214	92	10 900
1949 or earlier	14 558	3 630	3 446	2 524	1 869	1 073	1 279	443	225	57	12	7 700
HEATING EQUIPMENT												
Steam or hot water	21 653	2 157	3 453	3 610	3 370	2 778	3 567	1 643	1 104	318	163	11 200
Warm-air furnace	18 769	4 249	3 698	2 763	2 234	1 660	2 516	885	494	115	45	8 800
Built-in electric units	1 573	59	64	102	125	105	313	336	327	109	33	20 300
Floor, wall, or pipeless furnace	697	315	131	91	32	43	43	27	15	—	—	5 600
Other means	2 245	1 337	325	216	135	82	105	35	—	6	4	5000—
None	20	20	—	—	—	—	—	—	—	—	—	...
AIR CONDITIONING												
Room unit(s)	2 467	151	285	278	332	306	429	287	244	122	33	14 000
Central system	311	15	26	19	46	33	44	25	42	33</		

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)
Specified renter occupied ¹	22 294	3 305	2 615	3 031	3 043	4 436	2 125	877	446	107	5	2 304	73
ROOMS													
1 room	991	705	46	83	30	27	5	—	20	—	—	75	50—
2 rooms	645	323	106	96	10	22	31	5	—	—	—	52	50—
3 rooms	3 086	695	657	531	386	342	178	85	30	—	—	182	62
4 rooms	6 661	834	971	1 068	1 122	1 342	533	174	91	—	—	486	72
5 rooms	4 556	454	459	700	767	955	451	199	124	—	—	431	76
6 rooms	4 381	197	254	414	522	1 325	681	283	141	—	—	526	87
7 rooms	1 150	68	94	88	119	269	139	94	10	—	—	259	85
8 rooms or more	824	29	28	51	77	154	107	37	30	—	—	293	90
Median	4.4	3.4	4.0	4.3	4.5	5.0	5.2	5.4	5.2	5.7	...	5.3	...
PERSONS													
1 person	6 171	2 036	1 046	834	566	530	323	105	53	—	—	678	57
2 persons	5 888	682	698	898	906	1 168	619	195	144	—	—	560	74
3 persons	3 744	309	337	519	592	852	441	198	85	—	—	361	79
4 persons	2 834	126	238	427	427	802	297	154	86	—	—	266	81
5 persons	1 734	47	181	182	265	506	193	100	27	—	—	210	83
6 persons or more	1 923	105	115	171	287	578	252	125	51	—	—	229	86
Median	2.3	1.3	1.9	2.3	2.6	3.1	2.8	3.2	2.8	3.2	...	2.3	...
Units with roomers, boarders, or lodgers	279	64	26	57	29	34	—	17	6	—	—	46	65
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities													
0.50 or less	19 519	1 852	2 224	2 757	2 950	4 350	2 097	877	438	101	5	1 868	77
0.51 to 1.00	10 158	1 235	1 472	1 414	1 399	1 827	1 094	363	215	40	—	1 099	73
1.01 to 1.50	8 046	547	633	1 175	1 354	2 121	877	439	200	61	5	634	80
1.51 or more	1 135	44	96	152	166	353	114	75	23	—	—	112	83
Median	180	26	23	16	31	49	12	—	—	—	—	23	74
Lacking some or all plumbing facilities													
0.50 or less	2 775	1 453	391	274	93	86	28	—	8	6	—	436	50—
0.51 to 1.00	1 178	611	137	108	26	33	13	—	—	—	—	250	50—
1.01 to 1.50	1 321	791	157	137	43	38	5	—	8	6	—	136	50—
1.51 or more	227	36	29	24	15	4	—	—	—	—	—	44	57
Median	49	15	22	—	—	—	6	—	—	—	—	6	...
BEDROOMS													
None	1 147	896	16	91	40	—	—	—	46	—	—	—	50—
1	4 472	870	716	1 056	727	421	253	55	23	—	—	351	64
2	8 727	1 050	1 022	1 344	1 563	1 678	792	237	230	21	—	790	74
3 or more	7 832	539	581	671	1 011	2 025	928	392	234	42	—	1 409	84
YEAR STRUCTURE BUILT													
1969 to March 1970	151	—	5	5	—	17	11	34	35	6	—	38	136
1965 to 1968	450	10	5	23	18	34	72	66	106	16	—	100	126
1960 to 1964	658	158	50	50	75	103	66	40	33	11	—	67	74
1950 to 1959	2 068	298	237	201	297	417	172	110	65	31	—	240	76
1940 to 1949	1 943	186	177	303	271	422	314	98	39	18	—	115	79
1939 or earlier	17 024	2 653	2 136	2 449	2 382	3 443	1 490	529	168	25	5	1 744	72
ELEVATOR IN STRUCTURE													
4 floors or more	662	300	72	155	63	36	19	—	—	—	—	—	53
With elevator	235	96	33	70	—	19	—	—	—	—	—	—	17
Walk-up	427	204	39	85	63	17	19	—	—	—	—	—	17
1 to 3 floors	21 516	3 055	2 263	3 007	3 278	4 088	1 972	684	533	63	—	2 573	73
COMPLETE BATHROOMS													
1 and 1 1/2	18 216	1 692	2 065	2 545	2 680	4 323	2 053	877	394	100	8	1 479	78
2 or more	501	38	18	7	22	111	68	55	13	15	—	154	97
None or also used by another household	3 607	1 586	594	384	207	172	60	6	9	7	—	582	50
INCOME IN 1969													
Less than \$2,000	4 518	1 521	694	600	437	376	198	55	33	—	—	604	56
\$2,000 to \$2,999	1 980	472	307	334	235	279	99	34	5	—	—	215	63
\$3,000 to \$3,999	1 933	285	386	295	286	262	144	55	5	—	—	215	66
\$4,000 to \$4,999	1 671	228	228	321	241	312	131	28	5	—	—	177	69
\$5,000 to \$5,999	1 758	144	241	284	294	385	171	75	14	—	—	150	75
\$6,000 to \$6,999	2 002	212	228	285	339	497	210	74	37	—	—	115	76
\$7,000 to \$9,999	4 699	268	362	613	700	1 311	617	216	135	27	5	445	82
\$10,000 to \$14,999	2 823	134	117	260	400	787	420	248	136	43	—	278	87
\$15,000 to \$24,999	800	28	42	39	111	201	125	83	56	32	—	83	95
\$25,000 or more	110	13	10	—	—	26	10	9	20	—	—	22	...
Median	\$5 700	\$2 300	\$3 800	\$4 900	\$6 100	\$7 200	\$7 500	\$8 600	\$9 800	\$12 500	...	\$4 700	...
YEAR MOVED INTO UNIT													
1969 to March 1970	5 470	712	501	718	770	1 137	721	403	238	80	—	190	79
1968	2 896	354	307	336	336	734	425	125	87	15	—	153	80
1967	1 850	234	204	283	264	368	181	133	48	9	—	126	75
1965 and 1966	2 743	335	384	426	472	616	223	25	12	10	—	240	72
1960 to 1964	3 986	610	615	533	546	889	346	137	9	8	—	285	72
1950 to 1959	3 396	713	467	361	316	646	190	75	7	—	—	621	66
1949 or earlier	1 983	358	199	255	205	216	95	40	15	—	—	600	65
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	3 580	817	564	593	591	709	193	63	50	—	—	...	67
10 to 14 percent	4 845	425	516	762	870	1 397	592	221	57	5	—	...	78
15 to 19 percent	3 336	326	409	458	471	902	463	169	98	40	—	...	80
20 to 24 percent	1 863	297	208	233	237	379	268	124	92	25	—	...	78
25 to 34 percent	2 091	466	236	295	289	362	210	139	68	26	—	...	72
35 percent or more	3 796	808	603	620	520	632	373	157	67	11	5	...	68
Not computed	2 783	166	79	70	65	55	26	4	17	—	—	2 304	59
AIR CONDITIONING													
Room unit(s)	1 170	51	132	105	117	242	185	87	70	8	—	173	86
Central system	155	7	15	6	15	—	13	49	15	—	—	35	...
None	20 999	3 258	2 530	2 825	2 777	4 364	1 983	802	331	114	8	2 007	73

¹Excludes 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	\$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)
Owner occupied housing units -----	57 403	5 906	3 233	3 635	3 370	3 664	3 821	14 142	13 032	5 267	1 333	8 100
ROOMS												
1 and 2 rooms -----	282	115	66	25	9	10	11	30	11	5	-	2 400
3 rooms -----	1 007	317	159	93	76	72	59	133	58	40	-	3 300
4 rooms -----	8 032	1 257	680	725	657	622	694	1 941	1 168	255	33	6 100
5 rooms -----	13 195	1 194	626	862	791	858	1 009	3 764	2 932	1 023	136	8 000
6 rooms -----	19 422	1 722	971	1 074	1 095	1 237	1 273	5 188	4 814	1 746	302	8 400
7 rooms or more -----	15 465	1 301	731	856	742	865	775	3 086	4 049	2 198	862	9 400
PERSONS												
1 person -----	7 381	3 675	1 110	783	490	293	224	541	154	74	37	2 000
2 persons -----	17 217	1 504	1 543	1 894	1 679	1 350	1 198	3 776	2 798	1 135	340	6 500
3 and 4 persons -----	19 425	499	394	655	823	1 339	1 480	5 631	5 789	2 377	438	9 400
5 persons -----	6 194	120	88	146	195	342	421	1 933	1 969	770	210	9 800
6 persons or more -----	7 186	108	98	157	183	340	498	2 261	2 322	911	308	9 900
Units with roomers, boarders, or lodgers -----	572	117	78	67	45	29	37	94	59	38	8	4 500
BEDROOMS												
Less than 3 -----	18 112	2 406	1 772	1 694	1 531	1 414	1 143	4 372	2 744	880	156	6 200
3 -----	28 175	2 406	1 299	1 701	1 614	1 890	1 566	7 263	7 544	2 482	410	8 500
4 or more -----	11 116	1 066	492	443	648	698	486	2 172	2 884	1 606	621	9 400
YEAR STRUCTURE BUILT												
1969 to March 1970 -----	884	36	18	55	49	73	59	226	246	99	23	9 000
1960 to 1968 -----	5 509	338	171	252	277	364	356	1 496	1 397	661	197	9 000
1950 to 1959 -----	9 490	509	342	350	321	414	611	2 482	2 755	1 318	388	9 700
1949 or earlier -----	41 520	5 023	2 702	2 978	2 723	2 813	2 795	9 938	8 634	3 189	725	7 500
YEAR MOVED INTO UNIT												
1969 to March 1970 -----	3 212	176	94	144	184	263	262	887	797	344	61	8 600
1968 -----	2 608	210	57	133	108	199	272	764	577	216	72	8 300
1960 to 1967 -----	13 860	843	529	514	630	881	1 050	4 135	3 664	1 241	373	8 800
1959 or earlier -----	37 723	4 712	2 445	2 800	2 290	2 229	2 415	8 472	7 949	3 524	887	7 700
SELECTED CHARACTERISTICS												
Automatic clothes washing machine -----	28 120	1 754	1 246	1 533	1 587	1 808	1 239	6 373	8 312	3 368	900	9 300
Clothes dryer -----	35 320	1 957	1 220	1 644	1 929	2 156	1 801	8 826	10 649	4 120	1 018	9 400
Dishwasher -----	6 941	183	154	168	168	300	208	1 142	2 454	1 494	675	12 300
Home food freezer -----	18 648	1 197	778	982	1 186	1 097	838	4 455	5 426	2 021	668	9 200
Owned second home -----	1 980	191	45	62	171	81	17	301	670	267	175	10 900
With air conditioning -----	3 756	101	115	163	154	196	210	837	1 010	526	444	10 500
Room unit(s) -----	3 320	81	103	150	140	161	183	765	930	472	335	10 400
Central system -----	436	20	12	13	14	35	27	72	80	54	109	11 600
Automobiles available: -----												
1 -----	30 802	2 384	1 818	2 199	2 276	2 386	2 768	9 162	6 028	1 481	300	7 500
2 -----	16 205	305	230	416	380	694	897	4 043	5 628	2 796	816	11 000
3 or more -----	3 149	11	26	56	51	60	72	500	1 111	985	277	13 600
Renter occupied housing units -----	23 310	4 689	2 049	2 019	1 757	1 855	2 119	4 935	2 921	845	121	5 600
ROOMS												
1 room -----	1 001	490	106	119	68	61	42	86	20	9	-	2 100
2 rooms -----	665	322	108	42	41	25	48	52	18	9	-	2 100
3 rooms -----	3 136	1 106	441	325	204	231	175	395	234	25	-	3 100
4 rooms -----	6 762	1 277	621	638	531	630	718	1 354	764	191	38	5 500
5 rooms -----	4 758	721	347	437	405	424	437	1 143	671	168	5	6 100
6 rooms or more -----	6 988	773	426	458	508	484	699	1 905	1 214	443	78	7 200
PERSONS												
1 person -----	6 309	3 257	907	616	411	290	249	437	110	23	9	2000-
2 persons -----	6 142	827	640	652	596	463	551	1 298	852	241	22	5 800
3 and 4 persons -----	6 858	429	369	468	496	678	806	1 972	1 217	367	56	7 300
5 persons -----	1 841	91	51	133	114	212	210	572	347	90	21	7 600
6 persons or more -----	2 160	85	82	150	140	212	303	656	395	124	13	7 500
Units with roomers, boarders, or lodgers -----	286	108	29	58	21	22	15	25	5	3	-	3 100
BEDROOMS												
None -----	1 168	531	89	181	106	20	89	85	21	46	-	2 600
1 -----	4 533	1 412	694	380	364	276	364	600	345	76	22	3 400
2 -----	8 902	1 611	759	659	568	926	857	2 171	973	322	56	5 900
3 or more -----	8 707	969	737	571	726	443	942	2 120	1 433	647	119	7 000
YEAR STRUCTURE BUILT												
1969 to March 1970 -----	151	10	15	-	3	32	5	33	39	14	-	8 000
1960 to 1968 -----	1 156	211	126	108	80	80	75	261	149	51	15	5 700
1950 to 1959 -----	2 145	467	262	156	159	174	190	362	244	113	18	5 200
1949 or earlier -----	19 858	4 001	1 646	1 755	1 515	1 569	1 849	4 279	2 489	667	88	5 600
YEAR MOVED INTO UNIT												
1969 to March 1970 -----	5 638	1 131	436	487	465	595	546	1 133	695	137	13	5 500
1968 -----	3 022	431	254	298	279	236	226	783	389	106	20	6 100
1960 to 1967 -----	8 939	1 770	698	773	646	713	885	2 060	1 108	265	21	5 800
1959 or earlier -----	5 711	1 440	582	531	358	360	422	904	781	286	47	4 800
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹ -----	22 294	4 518	1 980	1 933	1 671	1 758	2 002	4 699	2 823	800	110	5 600
Less than 15 percent -----	8 425	8	61	146	308	547	1 004	3 232	2 346	685	88	9 000
15 to 19 percent -----	3 336	32	155	426	542	608	640	750	151	32	-	5 800
20 to 24 percent -----	1 863	119	261	427	355	320	440	190	43	-	-	4 400
25 to 34 percent -----	2 091	410	634	519	262	119	71	71	5	-	-	3 000
35 percent or more -----	3 796	2 866	654	200	27	14	24	11	-	-	-	2000-
Not computed -----	2 783	1 083	215	215	177	150	115	445	278	83	22	3 400
SELECTED CHARACTERISTICS												
Automatic clothes washing machine -----	7 483	669	555	394	304	557	785	2 290	1 314	550	65	7 600
Clothes dryer -----	7 947	614	376	309	533	517	980	2 349	1 532	615	122	7 800
Dishwasher -----	839	99	21	-	-	35	55	242	210	134	43	9 600
Home food freezer -----	2 915	227	200	235	243	200	183	721	494	333	79	7 700
Owned second home -----	401	76	-	34	36	17	72	101	21	22	22	6 500
With air conditioning -----	1 325	79	57	106	84	108	156	303	248	149	35	7 700
Room unit(s) -----	1 170	73	49	80	79	76	139	291	227	128	28	7 900
Central system -----	155	6	8	26	5	32	17	12	21	21	7	6 000
Automobiles available: -----												
1 -----	12 441	1 091	754	1 102	1 066	1 430	1 517	3 394	1 748	307	32	6 500
2 -----	3 304	90	106	93	201	193	293	973	964	329	62	9 100
3 or more -----	443	24	7	24	18	-	22	95	118	128	7	11 300

¹Excludes 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	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
Owner occupied housing units	57 403	53 620	29 115	21 303	2 853	349	3 783	2 488	977	266	52
PERSONS											
1 person	7 381	6 138	6 105	33	-	-	1 243	1 216	27	-	-
2 persons	17 217	16 141	15 814	325	-	-	1 076	978	98	-	-
3 persons	10 455	9 915	5 828	4 087	-	-	540	255	280	5	-
4 persons	8 970	8 666	1 053	7 563	45	5	304	33	262	9	-
5 persons	6 194	5 954	313	5 259	365	17	240	6	190	39	5
6 persons or more	7 186	6 806	-	4 036	2 443	327	380	-	120	213	47
Median	2.9	3.0	2.0	4.3	6.7	7.5+	2.1	1.5	3.8	6.6	...
Units with roomers, boarders, or lodgers	572	532	277	208	43	4	40	26	9	5	-
YEAR STRUCTURE BUILT											
1969 to March 1970	805	796	395	370	24	7	9	-	9	-	-
1965 to 1968	2 628	2 604	968	1 497	127	12	24	15	9	-	-
1960 to 1964	2 823	2 786	1 120	1 420	229	17	37	17	12	8	-
1950 to 1959	9 383	9 109	3 978	4 459	640	32	274	146	63	49	16
1940 to 1949	5 857	5 554	3 109	2 100	296	49	303	170	87	30	16
1939 or earlier	35 907	32 772	19 715	11 272	1 581	204	3 135	2 091	819	192	33
INCOME IN 1969											
Less than \$2,000	5 906	4 741	4 273	421	47	-	1 165	1 064	92	9	-
\$2,000 to \$2,999	3 233	2 781	2 400	346	29	6	452	365	78	4	5
\$3,000 to \$3,999	3 635	3 260	2 610	574	71	5	375	270	65	36	4
\$4,000 to \$4,999	3 370	3 054	2 254	713	56	31	316	200	89	21	6
\$5,000 to \$5,999	3 664	3 351	1 923	1 288	109	31	313	147	122	39	5
\$6,000 to \$6,999	3 821	3 648	1 735	1 616	270	27	173	108	55	10	-
\$7,000 to \$9,999	14 142	13 587	5 895	6 523	1 032	137	555	207	242	95	11
\$10,000 to \$14,999	13 032	12 694	4 990	6 769	871	64	338	107	169	46	16
\$15,000 to \$24,999	5 267	5 175	2 321	2 494	321	39	92	16	65	6	5
\$25,000 or more	1 333	1 329	714	559	47	9	4	4	-	-	-
Median	\$8 100	\$8 300	\$6 600	\$9 600	\$9 500	\$8 600	\$3 700	\$2 500	\$6 800	\$7 400	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	44 957	42 273	22 673	17 102	2 215	283	2 684	1 732	705	216	31
Less than 1.5	25 171	23 669	10 327	11 415	1 684	243	1 502	712	571	193	26
1.5 to 1.9	6 669	6 393	3 375	2 734	261	23	276	205	43	23	5
2.0 to 2.4	3 649	3 535	2 051	1 357	127	-	114	76	38	-	-
2.5 to 2.9	2 157	2 038	1 355	621	56	6	119	105	14	-	-
3.0 to 3.9	2 452	2 256	1 752	447	46	11	196	186	10	-	-
4.0 or more	4 475	4 067	3 554	486	27	-	408	384	24	-	-
Not computed	384	315	259	42	14	-	69	64	5	-	-
HEATING EQUIPMENT											
Steam or hot water	26 940	26 197	15 559	9 399	1 091	148	743	499	200	44	-
Warm-air furnace	24 242	22 592	11 147	9 820	1 459	166	1 650	991	492	147	20
Built-in electric units	1 827	1 813	807	916	90	-	14	4	10	-	-
Floor, wall, or pipeless furnace	908	774	493	216	53	12	134	88	34	12	-
Other means	3 461	2 244	1 109	952	160	23	1 217	881	241	63	32
None	25	-	-	-	-	-	25	25	-	-	-
Renter occupied housing units	23 310	20 322	10 547	8 373	1 202	200	2 988	1 287	1 404	241	56
PERSONS											
1 person	6 309	4 823	4 550	273	-	-	1 486	784	702	-	-
2 persons	6 142	5 566	4 619	932	-	15	576	387	184	-	5
3 persons	3 864	3 616	1 128	2 477	11	-	248	116	132	-	-
4 persons	2 994	2 787	219	2 508	47	13	207	-	191	10	6
5 persons	1 841	1 671	31	1 301	320	19	170	-	104	66	-
6 persons or more	2 160	1 859	-	882	824	153	301	-	91	165	45
Median	2.4	2.5	1.7	3.7	6.2	7.5+	1.5	1.3	1.5	6.1	...
Units with roomers, boarders, or lodgers	286	203	116	73	14	-	83	42	38	3	-
YEAR STRUCTURE BUILT											
1969 to March 1970	165	158	93	55	10	-	7	-	7	-	-
1965 to 1968	498	491	230	249	12	-	7	-	7	-	-
1960 to 1964	644	607	309	252	41	5	37	6	24	-	7
1950 to 1959	2 139	2 012	1 011	845	135	21	127	100	20	7	-
1940 to 1949	2 073	1 952	931	885	109	27	121	34	80	-	7
1939 or earlier	17 791	15 168	7 935	6 104	969	160	2 623	1 188	1 174	222	39
INCOME IN 1969											
Less than \$2,000	4 689	3 543	2 880	584	61	18	1 146	674	455	17	-
\$2,000 to \$2,999	2 049	1 624	1 128	423	53	20	425	237	173	15	-
\$3,000 to \$3,999	2 019	1 708	1 043	586	79	-	311	77	166	63	5
\$4,000 to \$4,999	1 757	1 502	853	563	60	26	255	80	148	16	11
\$5,000 to \$5,999	1 855	1 679	646	845	170	18	176	45	93	27	11
\$6,000 to \$6,999	2 119	1 920	730	976	187	27	199	65	106	16	12
\$7,000 to \$9,999	4 935	4 624	1 844	2 358	369	53	311	83	167	44	17
\$10,000 to \$14,999	2 921	2 802	1 057	1 528	183	34	119	20	73	26	-
\$15,000 to \$24,999	845	803	312	447	40	4	42	6	23	13	-
\$25,000 or more	117	117	54	63	-	-	4	-	-	4	-
Median	\$5 600	\$6 100	\$4 300	\$7 300	\$7 000	\$6 700	\$2 800	\$2000-	\$3 400	\$5 400	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	22 294	19 519	10 158	8 046	1 135	180	2 775	1 178	1 321	227	49
Less than 10 percent	3 580	3 070	1 782	1 680	160	58	510	140	293	66	11
10 to 14 percent	4 845	4 473	1 784	2 300	364	25	372	93	224	34	21
15 to 19 percent	3 356	3 070	1 387	1 420	239	24	266	111	124	26	5
20 to 24 percent	1 853	1 650	644	610	84	12	213	78	116	13	6
25 to 34 percent	2 091	1 786	1 047	653	75	11	305	171	111	23	-
35 percent or more	3 796	3 247	2 483	648	89	27	549	277	251	21	-
Not computed	2 783	2 223	1 341	735	124	23	560	308	202	44	6
HEATING EQUIPMENT											
Steam or hot water	13 198	12 117	6 890	4 613	543	71	1 081	325	720	25	11
Warm-air furnace	7 128	6 190	2 637	2 962	498	93	938	409	371	131	27
Built-in electric units	332	327	159	160	8	-	5	5	-	-	-
Floor, wall, or pipeless furnace	402	332	157	136	33	6	70	46	19	5	-
Other means	2 180	1 339	687	502	120	30	841	471	276	76	18
None	70	17	17	-	-	-	53	31	18	4	-

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

²Excludes 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
Owner occupied housing units -----	57 403	66	216	1 007	8 032	13 195	19 422	7 827	7 638	5.8
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access -----	51 542	27	67	729	6 521	11 896	17 719	7 441	7 142	5.9
PERSONS										
1 person -----	7 381	60	156	441	1 736	1 488	2 064	687	749	5.4
2 persons -----	17 217	—	50	373	3 077	4 323	5 681	1 867	1 846	5.6
3 persons -----	10 455	—	5	100	1 604	2 663	3 484	1 376	1 223	5.7
4 persons -----	8 970	—	5	54	893	2 214	3 295	1 423	1 086	5.9
5 persons -----	6 194	—	—	22	404	1 359	2 417	993	999	6.0
6 persons or more -----	7 186	6	—	17	318	1 148	2 481	1 481	1 735	6.3
Median -----	2.9	...	1.2	1.7	2.2	2.8	3.1	3.5	3.5	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities -----	53 620	33	88	783	7 097	12 278	18 574	7 554	7 213	5.9
0.50 or less -----	29 115	—	58	324	4 160	5 288	10 632	3 762	4 891	5.9
0.51 to 1.00 -----	21 303	33	25	380	2 302	5 951	6 899	3 504	2 209	5.8
1.01 to 1.50 -----	2 853	—	—	45	550	914	968	272	104	5.4
1.51 or more -----	349	—	5	34	85	125	75	16	9	4.9
Lacking some or all plumbing facilities -----	3 783	33	128	224	935	917	848	273	425	5.1
0.50 or less -----	2 488	—	98	117	653	523	597	168	332	5.2
0.51 to 1.00 -----	977	27	25	93	195	285	190	91	71	5.0
1.01 to 1.50 -----	266	—	5	9	61	94	61	14	22	5.1
1.51 or more -----	52	6	—	5	26	15	—	—	—	...
BEDROOMS										
None and 1 -----	1 855	57	210	689	603	190	106	—	—	3.5
2 -----	16 257	—	—	299	7 135	6 168	2 184	254	217	4.6
3 -----	28 175	—	—	—	402	6 350	16 166	3 734	1 523	6.0
4 or more -----	11 116	—	—	—	—	167	1 594	3 457	5 898	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970 -----	884	7	—	35	287	253	110	92	100	4.9
1960 to 1968 -----	5 509	11	15	153	1 240	1 800	1 331	566	393	5.2
1950 to 1959 -----	9 490	10	21	168	1 315	2 945	3 265	1 108	658	5.6
1949 or earlier -----	41 520	38	180	651	5 190	8 197	14 716	6 061	6 487	5.9
COMPLETE BATHROOMS										
1 and 1 1/2 -----	46 504	20	75	705	6 324	11 363	16 382	6 310	5 325	5.8
2 or more -----	5 172	7	—	32	216	559	1 366	1 155	1 837	6.9
None or also used by another household -----	5 727	37	142	313	1 479	1 373	1 367	500	516	5.2
VALUE-INCOME RATIO										
Specified owner occupied¹ -----	44 957	31	131	486	5 219	10 473	16 403	6 521	5 693	5.9
Less than 1.5 -----	25 171	11	42	260	3 043	5 952	9 216	3 473	3 174	5.9
1.5 to 1.9 -----	6 669	—	30	52	613	1 572	2 587	1 007	808	5.9
2.0 to 2.9 -----	5 806	4	27	64	546	1 323	2 072	1 031	739	6.0
3.0 or more -----	6 927	6	32	84	938	1 545	2 423	968	931	5.9
Not computed -----	384	10	—	26	79	81	105	42	41	5.5
Renter occupied housing units -----	23 310	1 001	665	3 136	6 762	4 758	4 606	1 301	1 081	4.5
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access -----	19 127	114	301	2 661	5 840	4 123	4 077	1 109	902	4.7
PERSONS										
1 person -----	6 309	975	525	1 764	1 640	760	402	159	84	3.4
2 persons -----	6 142	20	116	1 000	2 311	1 326	1 025	193	151	4.3
3 persons -----	3 864	—	11	280	1 369	960	886	207	151	4.8
4 persons -----	2 994	6	13	57	847	799	842	211	219	5.2
5 persons -----	1 841	—	—	19	386	478	619	207	132	5.6
6 persons or more -----	2 160	—	—	16	209	435	832	324	344	6.0
Median -----	2.4	1.0	1.1	1.4	2.3	2.8	3.5	3.9	4.2	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities -----	20 322	288	403	2 829	6 176	4 233	4 238	1 163	992	4.6
0.50 or less -----	10 547	—	311	1 608	3 638	1 826	2 115	461	588	4.4
0.51 to 1.00 -----	8 373	273	68	1 139	2 061	2 059	1 808	621	344	4.8
1.01 to 1.50 -----	1 202	—	11	47	437	301	276	81	49	4.9
1.51 or more -----	200	15	13	35	40	47	39	—	11	4.4
Lacking some or all plumbing facilities -----	2 988	713	262	307	586	525	368	138	89	3.9
0.50 or less -----	1 287	—	214	156	313	260	198	98	48	4.4
0.51 to 1.00 -----	1 404	702	48	141	155	178	109	30	41	1.5
1.01 to 1.50 -----	241	—	—	10	108	52	61	10	—	4.5
1.51 or more -----	56	11	—	—	10	35	—	—	—	...
BEDROOMS										
None -----	1 168	1 168	—	—	—	—	—	—	—	1.0
1 -----	4 533	—	680	2 728	964	119	42	—	—	3.1
2 -----	8 902	—	—	348	5 609	2 604	280	44	17	4.2
3 or more -----	8 707	—	—	—	43	1 630	4 439	1 325	1 270	6.1
YEAR STRUCTURE BUILT										
1969 to March 1970 -----	151	—	11	15	74	21	11	19	—	4.2
1960 to 1968 -----	1 156	29	26	248	397	267	109	50	30	4.2
1950 to 1959 -----	2 145	37	77	369	812	422	283	121	24	4.2
1949 or earlier -----	19 858	935	551	2 504	5 479	4 048	4 203	1 111	1 027	4.6
COMPLETE BATHROOMS										
1 and 1 1/2 -----	18 905	265	309	2 706	5 829	4 110	3 954	976	756	4.6
2 or more -----	543	21	6	6	43	45	143	133	146	6.6
None or also used by another household -----	3 862	676	313	426	972	692	486	190	107	4.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied² -----	22 294	991	645	3 086	6 661	4 556	4 381	1 150	824	4.5
Less than 10 percent -----	3 580	206	109	338	1 064	781	698	268	116	4.6
10 to 14 percent -----	4 845	111	61	515	1 446	1 104	1 233	219	156	4.8
15 to 19 percent -----	3 336	83	56	374	1 133	725	697	138	130	4.5
20 to 24 percent -----	1 863	64	37	276	634	399	327	97	29	4.4
25 to 34 percent -----	2 091	114	101	411	539	437	374	73	42	4.3
35 percent or more -----	3 796	268	195	925	1 236	574	462	90	46	3.9
Not computed -----	2 783	145	86	247	609	536	590	265	305	5.1

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

²Excludes 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	57 403	49 985	5 153	2 265	23 310	9 185	6 520	3 170	2 277	1 083	797	278
ROOMS												
1 room	66	37	17	12	1 001	108	21	47	163	288	369	5
2 rooms	216	146	45	25	665	190	85	126	155	92	11	6
3 rooms	1 007	559	220	228	3 136	596	655	896	575	198	119	97
4 rooms	8 032	5 519	1 290	1 223	6 762	2 005	2 157	1 184	825	305	147	139
5 rooms	13 195	11 161	1 386	648	4 758	1 855	1 687	535	395	166	89	31
6 rooms	19 422	17 818	1 493	111	4 606	2 456	1 627	307	142	30	44	-
7 rooms	7 827	7 504	310	13	1 301	1 045	187	51	-	-	18	-
8 rooms or more	7 638	7 241	392	5	1 081	930	101	24	22	4	-	-
Median	5.8	5.9	5.2	4.2	4.5	5.4	4.7	3.9	3.8	3.3	2.7	3.7
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	53 620	46 819	4 583	2 218	20 322	7 868	5 961	2 938	1 989	799	489	278
0.50 or less	29 115	25 291	2 849	975	10 547	3 779	2 962	1 773	1 186	455	250	142
0.51 to 1.00	21 303	18 740	1 459	1 104	8 373	3 417	2 568	1 028	709	312	225	114
1.01 to 1.50	2 853	2 466	255	132	1 202	595	358	116	81	27	9	16
1.51 or more	349	322	20	7	200	77	73	21	13	5	5	6
Lacking some or all plumbing facilities	3 783	3 166	570	47	2 988	1 317	559	232	288	284	308	-
0.50 or less	2 488	2 050	414	24	1 287	731	283	136	106	26	5	-
0.51 to 1.00	977	821	133	23	1 404	417	180	96	161	252	298	-
1.01 to 1.50	266	248	18	-	241	134	80	-	21	6	-	-
1.51 or more	52	47	5	-	56	35	16	-	-	-	5	-
BEDROOMS												
None	82	36	46	-	1 168	98	34	-	224	435	377	-
1	1 773	1 106	445	222	4 533	1 042	942	1 228	966	265	73	17
2	16 257	12 276	2 172	1 807	8 902	3 340	2 787	1 342	571	410	303	149
3	28 175	25 748	1 808	619	6 475	3 427	2 213	322	249	182	23	59
4 or more	11 116	10 523	558	35	2 232	1 740	330	30	42	36	54	-
YEAR STRUCTURE BUILT												
1969 to March 1970	884	420	4	460	151	46	18	6	47	-	-	34
1965 to 1968	2 709	1 728	22	959	461	153	49	29	25	42	85	78
1960 to 1964	2 800	2 288	16	496	695	263	101	54	39	104	63	71
1950 to 1959	9 490	9 135	169	186	2 145	891	239	275	231	246	203	60
1940 to 1949	5 964	5 748	190	26	2 016	905	414	276	296	93	21	11
1939 or earlier	35 556	30 666	4 752	138	17 842	6 927	5 699	2 530	1 639	598	425	24
INCOME IN 1969												
Less than \$2,000	5 906	4 842	790	274	4 689	1 570	1 075	711	616	372	269	76
\$2,000 to \$2,999	3 233	2 697	420	116	2 049	735	407	316	303	128	115	45
\$3,000 to \$3,999	3 635	3 016	422	197	2 019	739	526	280	235	107	115	17
\$4,000 to \$4,999	3 370	2 818	393	159	1 757	704	424	298	179	91	46	15
\$5,000 to \$5,999	3 664	3 098	310	256	1 855	771	512	288	141	71	41	31
\$6,000 to \$6,999	3 821	3 297	309	215	2 119	928	660	267	171	51	27	15
\$7,000 to \$9,999	14 142	12 328	1 194	620	4 935	2 055	1 663	538	400	132	96	51
\$10,000 to \$14,999	13 032	11 773	922	337	2 921	1 264	948	371	173	83	54	28
\$15,000 to \$24,999	5 267	4 844	346	77	845	355	288	95	55	32	20	-
\$25,000 or more	1 333	1 272	47	14	121	64	17	6	4	16	14	-
Median	\$8 100	\$8 300	\$6 800	\$6 600	\$5 600	\$6 100	\$6 500	\$4 900	\$3 900	\$3 400	\$3 100	\$4 100
YEAR MOVED INTO UNIT												
1969 to March 1970	3 212	2 486	153	573	5 638	2 088	1 487	830	595	278	197	163
1968	2 608	2 056	144	408	3 022	1 090	807	511	265	127	172	50
1967	2 336	1 955	106	275	1 908	713	504	282	237	97	53	22
1965 and 1966	3 958	3 376	236	346	2 866	937	958	495	228	120	103	25
1960 to 1964	7 566	6 776	445	345	4 165	1 620	1 188	494	457	230	152	24
1950 to 1959	15 171	13 917	1 159	95	3 035	1 246	820	386	362	132	83	6
1949 or earlier	22 552	19 503	2 989	60	2 676	1 416	762	228	187	40	29	14
GROSS RENT												
Specified renter occupied¹ .....	...	...	...	...	22 294	8 169	6 520	3 170	2 277	1 083	797	278
Less than \$50 .....	...	...	...	...	3 305	980	617	443	533	401	312	19
\$50 to \$59 .....	...	...	...	...	2 615	767	792	454	405	109	68	20
\$60 to \$69 .....	...	...	...	...	3 031	827	1 011	562	377	108	115	31
\$70 to \$79 .....	...	...	...	...	3 043	875	1 091	569	311	121	60	16
\$80 to \$99 .....	...	...	...	...	4 436	1 500	1 639	694	382	105	84	32
\$100 to \$119 .....	...	...	...	...	2 125	853	698	227	114	129	47	57
\$120 to \$149 .....	...	...	...	...	877	372	208	121	94	29	39	14
\$150 to \$199 .....	...	...	...	...	446	209	82	36	41	25	39	14
\$200 to \$299 .....	...	...	...	...	107	55	35	-	6	-	-	-
\$300 or more .....	...	...	...	...	5	-	-	-	-	-	-	-
No cash rent .....	...	...	...	...	2 304	1 726	347	64	14	45	33	75
Median .....	...	...	...	...	\$73	\$77	\$76	\$72	\$65	\$61	\$60	\$88
HEATING EQUIPMENT												
Steam or hot water	26 940	23 864	3 051	25	13 198	3 965	3 803	2 183	1 781	852	609	5
Warm-air furnace	24 242	20 932	1 744	1 566	7 128	3 693	2 011	655	316	102	146	205
Built-in electric units	1 827	1 736	17	74	332	134	38	34	40	68	18	-
Floor, wall, or pipeless furnace	908	809	51	48	402	223	90	43	33	-	5	8
Other means	3 461	2 624	285	552	2 180	1 138	552	249	107	55	19	60
None	25	20	5	-	70	32	26	6	-	6	-	-
AIR CONDITIONING												
Room unit(s)	3 320	2 806	395	119	1 170	401	320	205	123	87	25	9
Central system	436	378	7	51	155	47	25	22	30	-	31	-
None	53 647	46 885	4 830	1 932	21 985	8 662	6 181	2 999	2 178	937	733	295
AUTOMOBILES AVAILABLE												
1	30 802	26 700	2 898	1 204	12 441	5 061	3 633	1 766	1 059	481	263	178
2	16 205	14 703	865	637	3 304	1 756	869	323	236	43	30	47
3 or more	3 149	2 850	236	63	443	259	135	15	28	6	-	-
None	7 247	5 816	1 233	198	7 122	2 034	1 889	1 122	1 008	494	496	79

¹Excludes 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		
Owner occupied housing units	57 403	823	5 331	9 078	21 474	6 694	1 416	870	2 731	1 605	3 327	4 054
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	53 620	787	5 171	8 801	20 628	6 280	1 216	694	2 504	1 401	2 850	3 288
0.50 or less	29 115	252	915	1 406	11 056	5 262	776	552	1 635	1 156	2 834	3 271
0.51 to 1.00	21 303	506	3 696	5 952	8 597	992	388	130	784	225	16	17
1.01 to 1.50	2 853	24	515	1 279	867	26	52	5	71	14	-	-
1.51 or more	349	5	45	164	108	-	-	7	14	6	-	-
Lacking some or all plumbing facilities	3 783	36	160	277	846	414	200	176	227	204	477	766
0.50 or less	2 488	8	15	8	371	323	131	118	140	158	454	762
0.51 to 1.00	977	28	80	179	354	85	69	42	67	46	23	4
1.01 to 1.50	266	-	49	75	100	6	-	16	20	-	-	-
1.51 or more	52	-	16	15	21	-	-	-	-	-	-	-
UNITS IN STRUCTURE												
1	49 985	427	4 455	8 339	19 370	5 830	1 174	802	2 362	1 351	2 667	3 208
2 or more	5 153	56	243	546	1 710	746	194	53	229	235	443	698
Mobile home or trailer	2 265	340	633	193	394	118	48	15	140	19	217	148
INCOME IN 1969												
Less than \$2,000	5 906	18	86	119	510	708	51	122	311	306	1 102	2 573
\$2,000 to \$2,999	3 233	10	72	86	524	844	57	100	241	189	408	702
\$3,000 to \$3,999	3 635	48	141	133	679	1 164	73	94	365	155	493	290
\$4,000 to \$4,999	3 370	97	205	214	880	893	79	122	270	120	319	171
\$5,000 to \$5,999	3 664	150	470	369	1 166	623	120	64	269	140	213	80
\$6,000 to \$6,999	3 821	84	565	676	1 241	512	123	32	239	125	156	68
\$7,000 to \$9,999	14 142	296	2 078	3 146	5 847	899	399	124	530	262	446	95
\$10,000 to \$14,999	13 032	108	1 319	3 191	6 625	601	338	133	339	224	107	47
\$15,000 to \$24,999	5 267	12	324	896	3 193	356	156	59	129	68	49	25
\$25,000 or more	1 333	-	71	248	809	94	20	20	18	16	34	3
Median	\$8 100	\$7 000	\$8 600	\$9 800	\$9 900	\$4 700	\$8 500	\$5 000	\$5 700	\$5 200	\$3 300	\$2000-
VALUE-INCOME RATIO												
Specified owner occupied¹	44 957	386	4 073	7 683	17 177	5 201	985	657	2 135	1 230	2 472	2 958
Less than 1.5	25 171	238	2 461	4 831	11 972	1 989	708	404	1 081	555	700	232
1.5 to 1.9	6 669	59	734	1 431	2 454	797	131	73	304	186	306	194
2.0 to 2.4	3 649	37	350	635	1 253	560	65	43	174	112	213	207
2.5 to 2.9	2 157	14	212	355	516	413	35	26	101	75	169	241
3.0 to 3.9	2 452	21	173	220	488	578	16	35	183	101	245	392
4.0 or more	4 475	17	133	206	469	837	30	72	253	194	692	1 572
Not computed	384	-	10	5	25	27	-	4	39	7	147	120
Renter occupied housing units	23 310	1 761	3 630	2 309	4 201	1 491	653	128	2 357	471	3 474	2 835
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	20 322	1 667	3 464	2 103	3 814	1 316	550	89	2 078	418	2 588	2 235
0.50 or less	10 547	564	791	289	1 797	1 000	293	62	903	298	2 365	2 185
0.51 to 1.00	8 373	1 034	2 296	1 381	1 739	316	231	27	960	116	223	50
1.01 to 1.50	1 202	69	356	342	243	4	15	-	173	4	-	-
1.51 or more	200	-	21	91	35	-	11	-	42	-	-	-
Lacking some or all plumbing facilities	2 988	94	166	206	387	175	103	39	279	53	886	600
0.50 or less	1 287	34	20	24	104	112	35	28	121	25	377	407
0.51 to 1.00	1 404	35	83	112	187	59	53	11	144	18	509	193
1.01 to 1.50	241	25	52	65	61	4	10	-	14	10	-	-
1.51 or more	56	-	11	5	35	-	5	-	-	-	-	-
UNITS IN STRUCTURE												
1	9 185	614	1 721	1 137	2 060	634	289	67	844	172	853	794
2 to 4	9 690	868	1 516	989	1 686	649	272	35	1 044	194	1 278	1 159
5 to 19	3 360	215	283	164	374	189	76	16	360	92	943	648
20 or more	797	9	59	13	61	13	10	10	93	13	331	185
Mobile home or trailer	278	55	51	6	20	6	6	-	16	-	69	49
GROSS RENT												
Specified renter occupied²	22 294	1 721	3 422	2 127	3 946	1 385	629	109	2 313	471	3 414	2 757
Less than \$50	3 305	94	139	108	332	171	66	47	232	80	1 146	890
\$50 to \$59	2 615	167	339	160	365	164	71	5	228	70	580	466
\$60 to \$69	3 031	282	438	260	431	167	97	18	427	77	450	384
\$70 to \$79	3 043	283	447	334	562	241	80	6	441	83	316	250
\$80 to \$99	4 436	459	873	631	1 051	220	111	15	497	49	309	221
\$100 to \$119	2 125	214	538	210	385	166	51	10	212	16	185	138
\$120 to \$149	877	105	189	103	225	31	12	-	93	14	54	51
\$150 to \$199	446	48	145	72	54	28	16	-	30	-	34	19
\$200 to \$299	107	5	36	24	25	7	5	-	5	-	-	-
\$300 or more	5	-	-	-	5	-	-	-	-	-	-	-
No cash rent	2 304	64	278	225	511	190	120	8	148	82	340	338
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied²	22 294	1 721	3 422	2 127	3 946	1 385	629	109	2 313	471	3 414	2 757
Less than \$5,000	10 102	494	448	281	774	891	214	60	1 563	308	2 476	2 593
Less than 20 percent	1 678	117	123	77	230	157	61	6	207	34	471	195
20 to 24 percent	1 162	97	61	38	102	147	40	28	205	32	250	162
25 to 34 percent	1 825	118	101	58	157	190	20	9	326	63	417	366
35 percent or more	3 747	128	78	63	139	248	36	9	582	112	861	1 491
Not computed	1 690	34	85	45	146	149	57	8	243	67	477	379
\$5,000 to \$9,999	6 459	1 019	2 105	1 248	1 751	364	294	44	592	82	821	139
Less than 20 percent	6 781	781	1 717	1 034	1 397	264	221	44	487	59	674	103
20 to 24 percent	658	127	158	58	114	37	22	-	48	5	74	15
25 to 34 percent	261	61	8	26	28	26	-	-	12	-	25	10
35 percent or more	49	11	8	13	5	94	-	-	5	-	-	-
Not computed	710	39	142	117	207	37	51	-	40	18	48	11
\$10,000 to \$14,999	2 823	187	721	444	1 015	101	64	5	122	54	95	15
Less than 20 percent	2 497	187	626	377	896	92	58	5	118	48	75	15
20 to 24 percent	43	-	34	9	-	-	-	-	-	-	-	-
25 percent or more	5	-	5	-	-	-	-	-	-	-	-	-
Not computed	278	-	56	58	119	9	6	-	4	6	20	-
\$15,000 or more	910	21	148	154	406	29	57	-	36	27	22	10
Less than 20 percent	805	21	142	137	356	24	45	-	31	22	17	10
20 to 24 percent	-	-	-	-	-	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	105	-	6	17	50	5	12	-	5	5	5	-

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

²Excludes 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
Owner occupied housing units -----	57 403	7 381	17 217	10 455	8 970	6 194	3 738	2 186	1 262	2.9
BEDROOMS										
None and 1 -----	1 855	849	796	102	69	39	-	-	-	1.6
2 -----	16 257	2 957	6 676	3 598	1 745	740	348	111	82	2.3
3 -----	28 175	2 696	7 069	5 226	5 688	3 980	2 153	870	493	3.3
4 or more -----	11 116	1 126	2 104	1 615	1 573	1 477	1 361	1 017	843	4.0
YEAR STRUCTURE BUILT										
1969 to March 1970 -----	884	28	292	234	165	105	37	16	7	3.0
1965 to 1968 -----	2 709	221	607	540	581	439	192	81	48	3.5
1960 to 1964 -----	2 800	294	661	526	598	362	165	128	66	3.3
1950 to 1959 -----	9 490	757	2 428	1 791	1 822	1 328	750	380	234	3.4
1940 to 1949 -----	5 964	662	1 890	1 197	928	572	393	197	125	2.9
1939 or earlier -----	35 556	5 419	11 339	6 167	4 876	3 388	2 201	1 384	782	2.7
UNITS IN STRUCTURE										
1 -----	49 985	5 875	14 759	9 007	7 970	5 693	3 437	2 062	1 182	3.0
2 or more -----	5 153	1 141	1 739	874	611	384	214	114	76	2.3
Mobile home or trailer -----	2 265	365	719	574	389	117	87	10	4	2.6
COMPLETE BATHROOMS										
1 and 1 1/2 -----	46 504	5 459	14 600	8 646	7 406	4 811	2 984	1 770	828	2.9
2 and 2 1/2 -----	4 626	273	1 084	804	886	794	420	200	165	3.7
3 or more -----	546	39	154	75	81	80	41	52	24	3.6
None or also used by another household -----	5 727	1 523	1 594	906	531	465	305	237	166	2.3
HOUSEHOLD COMPOSITION										
Two-or-more-person households -----	50 022	...	17 217	10 455	8 970	6 194	3 738	2 186	1 262	3.2
Male head, wife present, no nonrelatives -----	43 400	...	13 678	8 799	8 304	5 814	3 512	2 103	1 190	3.4
Under 25 years -----	823	...	202	289	251	46	30	-	5	3.2
25 to 34 years -----	5 331	...	429	865	1 645	1 307	679	273	133	4.3
35 to 44 years -----	9 078	...	563	1 069	2 161	2 107	1 460	1 114	604	4.9
45 to 64 years -----	21 474	...	7 622	5 412	3 855	2 214	1 246	677	448	3.1
65 years and over -----	6 694	...	4 862	1 164	392	140	97	39	37	2.2
Other male head -----	2 286	...	1 214	552	236	101	105	41	37	2.4
Under 65 years -----	1 416	...	692	373	149	73	79	20	30	2.5
65 years and over -----	870	...	522	179	87	28	26	21	7	2.3
Female head -----	4 336	...	2 325	1 104	430	279	121	42	35	2.4
Under 65 years -----	2 731	...	1 288	728	318	233	103	37	24	2.6
65 years and over -----	1 605	...	1 037	376	112	46	18	5	11	2.3
One-person households -----	7 381	...	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹ -----	44 957	5 430	13 175	8 079	7 278	5 126	3 090	1 792	987	3.0
Less than 1.5 -----	25 171	932	6 452	5 269	4 883	3 319	2 275	1 304	737	3.5
1.5 to 1.9 -----	6 669	500	2 142	1 248	1 147	862	380	245	145	3.1
2.0 to 2.4 -----	3 649	420	1 222	624	622	427	175	119	40	2.8
2.5 to 2.9 -----	2 157	410	829	310	240	186	105	45	32	2.3
3.0 to 3.9 -----	2 452	637	1 087	262	172	168	78	32	16	2.0
4.0 or more -----	4 475	2 264	1 398	340	196	155	72	38	12	1.5
Not computed -----	384	267	45	26	18	9	5	9	5	1.2
Renter occupied housing units -----	23 310	6 309	6 142	3 864	2 994	1 841	1 059	646	455	2.4
BEDROOMS										
None -----	1 168	1 150	18	-	-	-	-	-	-	1.0
1 -----	4 533	2 372	1 775	291	73	22	-	-	-	1.5
2 -----	8 902	1 812	3 229	2 131	1 055	403	197	58	17	2.3
3 or more -----	8 707	721	1 678	1 347	1 780	1 335	1 056	374	416	3.8
YEAR STRUCTURE BUILT										
1969 to March 1970 -----	151	27	55	45	13	3	-	-	8	2.4
1965 to 1968 -----	461	110	155	118	41	26	11	-	-	2.3
1960 to 1964 -----	695	194	198	97	92	34	49	15	16	2.3
1950 to 1959 -----	2 145	597	600	362	242	174	72	79	19	2.3
1940 to 1949 -----	2 016	432	588	359	323	165	62	60	27	2.5
1939 or earlier -----	17 842	4 949	4 546	2 883	2 283	1 439	865	492	385	2.4
UNITS IN STRUCTURE										
1 -----	9 185	1 647	2 263	1 637	1 410	973	570	352	333	2.9
2 -----	6 520	1 320	1 758	1 250	973	567	389	186	77	2.6
3 and 4 -----	3 170	1 117	1 044	479	313	120	37	24	36	1.9
5 to 9 -----	2 277	1 006	653	267	177	85	34	50	5	1.7
10 to 19 -----	1 083	585	250	109	68	43	19	9	4	1.4
20 or more -----	797	516	125	58	32	38	5	19	4	1.3
Mobile home or trailer -----	278	118	49	64	21	15	5	6	-	1.9
COMPLETE BATHROOMS										
1 and 1 1/2 -----	18 905	4 614	5 074	3 378	2 568	1 612	786	554	319	2.5
2 or more -----	543	81	54	167	106	44	37	23	31	3.3
None or also used by another household -----	3 862	1 687	800	359	340	268	165	138	105	1.8
HOUSEHOLD COMPOSITION										
Two-or-more-person households -----	17 001	...	6 142	3 864	2 994	1 841	1 059	646	455	3.1
Male head, wife present, no nonrelatives -----	13 392	...	4 297	3 078	2 576	1 556	907	595	383	3.3
Under 25 years -----	1 761	...	666	707	303	60	25	-	-	2.8
25 to 34 years -----	3 630	...	639	833	969	652	314	155	68	3.9
35 to 44 years -----	2 309	...	182	368	587	397	341	250	184	4.5
45 to 64 years -----	4 201	...	1 639	919	668	427	227	190	131	3.0
65 years and over -----	1 491	...	1 171	251	49	20	-	-	-	2.1
Other male head -----	781	...	459	163	72	39	33	5	10	2.4
Under 65 years -----	653	...	359	135	72	39	33	5	10	2.4
65 years and over -----	128	...	100	28	-	-	-	-	-	2.1
Female head -----	2 828	...	1 386	623	346	246	119	46	62	2.5
Under 65 years -----	2 357	...	1 046	525	341	242	105	42	56	2.2
65 years and over -----	471	...	340	98	5	4	14	4	6	2.2
One-person households -----	6 309	6 309	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied² -----	22 294	6 171	5 888	3 744	2 834	1 734	974	572	377	2.3
Less than 10 percent -----	3 580	503	1 021	777	585	318	183	115	78	2.8
10 to 14 percent -----	4 845	539	1 346	1 034	863	531	270	146	116	3.0
15 to 19 percent -----	3 336	518	992	673	509	308	178	102	56	2.7
20 to 24 percent -----	1 863	501	615	258	221	119	80	38	31	2.2
25 to 34 percent -----	2 091	818	549	264	202	117	76	43	22	1.9
35 percent or more -----	3 796	2 352	690	338	175	93	82	47	19	1.3
Not computed -----	2 783	940	675	400	279	248	105	81	55	2.2

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

²Excludes 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
Vacant for sale	508	28	130	350	Vacant for rent	1 022	259	288	475
ROOMS					ROOMS				
1 to 3 rooms	33	—	7	26	1 room	89	76	10	3
4 rooms	108	5	6	97	2 rooms	78	12	24	42
5 rooms	102	10	22	70	3 rooms	174	48	37	89
6 rooms	152	8	62	82	4 rooms	322	66	88	168
7 rooms or more	113	5	33	75	5 rooms	151	26	50	75
					6 rooms	116	17	45	54
					7 rooms or more	92	14	34	44
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	384	24	115	245	With all plumbing facilities	729	171	237	321
Lacking some or all plumbing facilities	124	4	15	105	Lacking some or all plumbing facilities	293	88	51	154
BEDROOMS					BEDROOMS				
None and 1	37	—	16	21	None	43	43	—	—
2	194	—	39	155	1	26	26	82	129
3	96	13	54	29	2	340	105	118	117
4 or more	73	—	40	33	3 or more	209	—	76	133
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	24	—	8	16	1969 to March 1970	—	—	—	—
1960 to 1968	17	4	—	13	1960 to 1968	36	—	10	26
1950 to 1959	47	—	16	31	1950 to 1959	66	16	27	23
1949 or earlier	420	24	106	290	1949 or earlier	920	243	251	426
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	391	19	112	260	1	409	55	130	224
2 or more	117	9	18	90	2 to 4	361	75	106	180
					5 to 9	100	36	23	41
					10 to 19	72	32	19	21
					20 or more	80	61	10	9
HEATING EQUIPMENT					UNITS IN STRUCTURE				
Steam or hot water	234	19	72	143	1	409	55	130	224
Warm-air furnace	171	5	32	134	2 to 4	361	75	106	180
Built-in electric units	12	—	—	12	5 to 9	100	36	23	41
Floor, wall, or pipeless furnace	10	—	4	6	10 to 19	72	32	19	21
Other means	53	4	22	27	20 or more	80	61	10	9
None	28	—	—	28					
SALES PRICE ASKED					RENT ASKED				
Specified vacant for sale ¹	358	19	108	231	Specified vacant for rent ²	983	255	274	454
Less than \$5,000	133	4	18	111	Less than \$50	517	99	165	253
\$5,000 to \$9,999	94	7	30	57	\$50 to \$59	156	46	29	81
\$10,000 to \$14,999	40	—	20	20	\$60 to \$79	205	83	55	67
\$15,000 to \$19,999	31	4	11	16	\$80 to \$99	54	16	10	28
\$20,000 to \$24,999	21	4	13	4	\$100 to \$119	35	4	8	22
\$25,000 to \$34,999	15	—	9	6	\$120 to \$149	16	6	7	3
\$35,000 to \$49,999	13	—	—	13	\$150 to \$199	—	—	—	—
\$50,000 or more	11	—	7	4	\$200 or more	—	—	—	—
Median price asked	\$7 200	...	\$11 500	\$5 400	Median rent asked	\$48	\$56	\$45	\$46

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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 ¹							Rent asked—Vacant for rent ²						
	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
Total	358	227	40	31	21	15	24	983	673	205	54	51	—	—
PLUMBING FACILITIES														
With all plumbing facilities	247	166	35	16	30	—	—	579	371	104	71	33	—	—
Lacking some or all plumbing facilities	16	16	—	—	—	—	—	155	48	90	—	17	—	—
BEDROOMS														
None and 1	16	16	—	—	—	—	—	253	158	74	21	—	—	—
2	91	91	—	—	—	—	—	306	152	104	50	—	—	—
3	83	15	35	16	17	—	—	132	83	16	—	33	—	—
4 or more	73	60	—	—	13	—	—	43	26	—	—	17	—	—
YEAR STRUCTURE BUILT														
1969 to March 1970	24	5	7	3	9	—	—	—	—	—	—	—	—	—
1960 to 1968	17	8	—	5	4	—	—	27	17	—	—	10	—	—
1950 to 1959	43	20	—	7	4	—	—	66	36	22	4	4	—	—
1949 or earlier	274	194	33	16	4	15	12	890	620	183	50	37	—	—
UNITS IN STRUCTURE														
1	...	...	...	...	...	...	...	370	254	68	27	21	—	—
2 to 4	...	...	...	...	...	...	...	361	266	72	8	15	—	—
5 to 19	...	...	...	...	...	...	...	172	118	28	11	15	—	—
20 or more	...	...	...	...	...	...	...	80	35	37	8	—	—	—
INCLUSION OF UTILITIES IN RENT														
All utilities included	...	...	...	...	...	...	...	286	157	99	18	12	—	—
Some or no utilities included	...	...	...	...	...	...	...	697	516	106	36	39	—	—

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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]

Johnstown	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)
Specified owner occupied¹	5 085	549	1 086	1 127	904	617	609	129	53	11		9 500
ROOMS												
1 and 2 rooms	11	6			5							...
3 rooms	24	4	4	5	5		6					...
4 rooms	661	152	164	186	38	55	62	4				7 700
5 rooms	896	141	249	164	139	86	86	17	14			8 400
6 rooms	2 319	187	502	542	476	305	267	29	11			9 700
7 rooms	596	14	77	129	108	123	98	40	7			11 800
8 rooms or more	578	45	90	101	133	48	90	39	21	11		11 000
Median	5.9	5.3	5.8	5.9	6.1	6.0	6.1	6.9	...	...		...
PERSONS												
1 person	715	139	175	145	85	61	78	16	16			8 300
2 persons	1 595	154	375	395	280	158	177	31	14	11		9 200
3 persons	958	93	163	251	172	145	96	28	10			9 700
4 persons	850	90	189	115	191	123	125	11	6			10 400
5 persons	456	35	74	113	92	67	48	27				10 200
6 persons or more	511	38	110	108	84	63	85	16	7			10 000
Median	2.7	2.4	2.5	2.6	3.0	3.1	3.0	3.1	...	...		...
Units with roomers, boarders, or lodgers	120	15	20	38	17		25	5				9 100
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	4 948	484	1 061	1 094	895	617	604	129	53	11		9 600
0.50 or less	2 924	284	628	681	546	333	325	80	36	11		9 500
0.51 to 1.00	1 873	179	399	376	328	261	264	49	17			9 900
1.01 to 1.50	145	21	34	37	21	17	15					8 700
1.51 or more	6					6						...
Lacking some or all plumbing facilities	137	65	25	33	9		5					5 400
0.50 or less	103	54	16	28			5					5000-
0.51 to 1.00	30	11	5	5	9							...
1.01 to 1.50	4		4									...
1.51 or more												...
BEDROOMS												
None and 1	37			17	20							...
2	1 311	210	362	342	110	168	119					8 100
3	3 014	408	523	564	638	474	367	40				10 000
4 or more	815	39	140	155	102	191	129	39	20			11 800
YEAR STRUCTURE BUILT												
1969 to March 1970												...
1965 to 1968	55		6	5		12	27	5				...
1960 to 1964	80				14		40	11	5			...
1950 to 1959	301	4		10	28	109	99	21	24	6		15 000
1940 to 1949	269	19	43	31	50	49	57	10	5	5		12 100
1939 or earlier	4 380	526	1 037	1 081	812	437	386	82	19			9 000
COMPLETE BATHROOMS												
1 and 1 1/2	4 394	391	1 026	970	844	503	546	90	24			9 500
2 and 2 1/2	435	10	41	104	74	43	75	47	28	13		12 100
3 or more	6								6			...
None or also used by another household	206	104	60	36	6							5 000
HOUSEHOLD COMPOSITION												
Two-or-more-person households	4 370	410	911	982	819	556	531	113	37	11		9 700
Male head, wife present, no nonrelatives	3 496	279	692	775	698	475	451	84	37	5		10 000
Under 25 years	26	6	15			5						...
25 to 34 years	203	21	16	41	69	40	16					10 900
35 to 44 years	688	55	122	168	117	96	107	18	5			10 000
45 to 64 years	1 897	136	384	400	370	289	239	47	32			10 200
65 years and over	682	61	155	166	142	45	89	19		5		9 400
Other male head	294	39	90	80	30	28	16	5		6		8 100
Under 65 years	171	23	59	45	20	9	4	5		6		7 700
65 years and over	123	16	31	35	10	19	12					8 500
Female head	590	92	129	127	91	53	64	24				8 900
Under 65 years	378	38	77	41	32	14	15					8 800
65 years and over	304	54	70	50	50	21	50	9				8 900
One-person households	715	139	175	145	50	21	50	9				8 300
Under 65 years	282	33	79	60	33	25	36	16		16		8 300
65 years and over	433	106	96	85	52	36	42		16			8 700
INCOME IN 1969												
Less than \$2,000	538	130	122	120	51	47	46	12	10			7 900
\$2,000 to \$2,999	308	63	96	75	39	6	21	8				7 400
\$3,000 to \$3,999	259	29	95	29	40	46	9	11				8 000
\$4,000 to \$4,999	263	32	68	42	10	42	11	6				9 200
\$5,000 to \$5,999	300	27	93	92	41	9	33					8 300
\$6,000 to \$6,999	350	34	84	97	69	43	23			5		9 000
\$7,000 to \$9,999	1 397	141	274	348	262	185	151	27	9			9 500
\$10,000 to \$14,999	1 229	71	186	238	258	204	220	41	11			11 200
\$15,000 to \$24,999	347	16	66	51	98	46	40	19	11			11 000
\$25,000 or more	94	6	18	9	4	21	24		6	6		...
Median	\$8 100	\$5 800	\$7 000	\$7 700	\$8 900	\$9 400	\$9 600	\$9 500	...	...		...
YEAR MOVED INTO UNIT												
1969 to March 1970	185	7	27	50	25	30	46					10 900
1968	193	34	15	34	33	30	29	12	6			11 000
1967	187	8	30	47	60	7	30	5				10 400
1965 and 1966	259	30	45	72	50	35	21	6				9 400
1960 to 1964	676	61	96	158	116	104	93	36	12			10 500
1950 to 1959	1 453	145	304	261	284	195	206	37	15	6		10 100
1949 or earlier	2 088	220	610	488	356	145	196	41	25	7		8 600
HEATING EQUIPMENT												
Steam or hot water	3 554	289	694	822	662	464	476	96	40	11		9 900
Warm-air furnace	1 316	182	343	253	217	153	133	22	13			8 800
Built-in electric units	10				5			5				...
Floor, wall, or pipeless furnace	48	11	16	21								...
Other means	157	67	33	31	20			6				5 900
None												...
AIR CONDITIONING												
Room unit(s)	491	24	128	70	49	77	113	24		6		11 200
Central system	46			14	13		6		13			...
None	4 504	481	999	1 026	862	469	502	113	45	7		9 400

¹Limited 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]

Johnstown	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	7 912	1 169	881	1 183	1 215	2 034	821	263	64	5		277	75
ROOMS													
1 room	491	397	18	55	5	10	—	—	—	—	—	6	50—
2 rooms	267	137	59	46	5	5	6	—	—	—	—	9	50—
3 rooms	1 172	221	289	231	203	138	53	17	9	—	—	11	63
4 rooms	2 360	319	321	496	469	523	165	6	5	—	—	56	70
5 rooms	1 515	76	126	231	300	485	160	64	16	5	—	52	80
6 rooms	1 669	19	59	112	204	728	328	121	28	—	—	70	91
7 rooms	283	—	4	12	21	104	69	47	—	—	—	26	97
8 rooms or more	155	—	5	—	8	41	40	8	6	—	—	47	100
Median	4.3	2.7	3.7	4.0	4.3	5.2	5.6	5.9	...	...	—	5.6	...
PERSONS													
1 person	2 450	909	436	431	236	241	74	27	4	—	—	92	56
2 persons	2 123	167	230	394	390	539	239	56	21	—	—	87	76
3 persons	1 124	45	127	186	167	364	145	41	5	5	—	39	81
4 persons	880	21	36	109	176	331	131	36	18	—	—	22	86
5 persons	606	6	28	24	139	219	118	45	—	—	—	27	88
6 persons or more	729	21	24	39	107	340	114	58	16	—	—	10	91
Median	2.2	1.1	1.5	1.9	2.5	3.2	3.2	3.7	...	...	—	2.0	...
Units with roomers, boarders, or lodgers	101	19	6	40	12	15	—	5	—	—	—	4	...
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	7 182	653	818	1 079	1 203	2 019	821	263	64	5		257	78
0.50 or less	3 855	507	575	662	569	839	360	115	31	—	—	197	71
0.51 to 1.00	2 805	130	212	374	538	958	391	127	21	5	—	49	83
1.01 to 1.50	446	16	13	43	81	179	70	21	12	—	—	11	86
1.51 or more	76	—	18	—	15	43	—	—	—	—	—	—	...
Lacking some or all plumbing facilities	730	516	63	104	12	15	—	—	—	—		20	50—
0.50 or less	187	118	21	31	—	6	—	—	—	—	—	11	50—
0.51 to 1.00	509	388	32	67	8	5	—	—	—	—	—	9	50—
1.01 to 1.50	24	—	10	6	4	4	—	—	—	—	—	—	...
1.51 or more	10	10	—	—	—	—	—	—	—	—	—	—	...
BEDROOMS													
None	556	470	16	70	—	—	—	—	—	—	—	—	50—
1	1 736	396	250	489	286	177	74	—	23	—	—	41	64
2	3 023	308	267	561	723	768	299	42	18	—	—	37	75
3 or more	2 564	42	93	182	415	1 031	425	140	50	—	—	186	90
YEAR STRUCTURE BUILT													
1969 to March 1970	—	—	—	—	—	—	—	—	—	—	—	—	—
1965 to 1968	35	—	—	—	—	—	35	—	—	—	—	—	...
1960 to 1964	135	35	11	30	34	14	—	6	—	—	—	5	66
1950 to 1959	716	178	123	116	117	130	14	10	10	—	—	18	64
1940 to 1949	553	81	46	95	91	140	67	25	—	—	—	8	76
1939 or earlier	6 473	875	701	942	973	1 750	705	222	54	5	—	246	76
ELEVATOR IN STRUCTURE													
4 floors or more	525	197	55	155	63	36	19	—	—	—	—	—	61
With elevator	184	79	16	70	—	19	—	—	—	—	—	—	...
Walk-up	341	118	39	85	63	17	19	—	—	—	—	—	...
1 to 3 floors	7 354	1 019	571	1 147	1 361	1 940	779	182	91	—	—	264	76
COMPLETE BATHROOMS													
1 and 1/2	6 815	584	835	949	1 070	2 034	778	281	48	7	—	229	79
2 or more	111	21	9	—	—	22	34	—	—	—	—	25	...
None or also used by another household	990	553	127	139	71	66	11	—	—	—	—	23	50—
INCOME IN 1969													
Less than \$2,000	1 712	613	274	272	202	187	74	15	4	—	—	71	58
\$2,000 to \$2,999	770	169	111	170	100	143	27	6	5	—	—	39	65
\$3,000 to \$3,999	759	98	136	148	150	115	62	28	—	—	—	22	69
\$4,000 to \$4,999	565	75	64	128	93	139	49	11	—	—	—	6	71
\$5,000 to \$5,999	573	37	63	95	103	153	60	29	—	—	—	33	77
\$6,000 to \$6,999	676	53	78	87	137	231	75	4	11	—	—	—	79
\$7,000 to \$9,999	1 610	115	110	170	237	598	235	63	25	—	—	57	85
\$10,000 to \$14,999	944	—	27	93	153	354	182	71	19	—	—	45	89
\$15,000 to \$24,999	280	5	14	20	40	99	57	36	—	5	—	4	90
\$25,000 or more	23	4	4	—	—	15	—	—	—	—	—	—	...
Median	\$5 300	\$2 000—	\$3 400	\$4 000	\$5 600	\$7 200	\$7 800	\$8 800	...	...	—	\$5 000	...
YEAR MOVED INTO UNIT													
1969 to March 1970	1 677	252	125	217	253	479	184	128	18	7	—	14	79
1968	997	184	96	123	97	291	165	12	15	—	—	14	79
1967	658	70	66	135	121	129	98	33	—	—	—	6	75
1965 and 1966	929	129	137	153	151	223	114	—	—	—	—	22	72
1960 to 1964	1 737	255	278	213	246	475	129	58	9	—	—	74	73
1950 to 1959	1 273	190	191	127	165	408	98	24	—	—	—	70	76
1949 or earlier	645	78	78	120	108	117	35	26	6	—	—	77	71
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	1 232	211	174	185	219	326	92	25	—	—	—	...	72
10 to 14 percent	1 815	139	147	225	311	637	261	82	13	—	—	...	82
15 to 19 percent	1 166	104	139	187	166	391	137	31	6	5	—	...	79
20 to 24 percent	720	120	66	117	95	168	103	36	15	—	—	...	76
25 to 34 percent	867	177	76	128	176	172	90	34	14	—	—	...	73
35 percent or more	1 629	343	253	305	218	311	128	55	16	—	—	...	67
Not computed	483	75	26	36	30	29	10	—	—	—	—	277	61
AIR CONDITIONING													
Room unit(s)	508	13	86	58	73	141	66	30	—	—	—	41	80
Central system	7	—	—	—	—	—	7	—	—	—	—	—	...
None	7 401	1 145	885	1 030	1 068	1 981	750	251	48	7	—	236	75

¹Excludes 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]

Johnstown	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)
Owner occupied housing units	6 743	754	435	378	358	388	434	1 799	1 614	473	110	8 000
ROOMS												
1 and 2 rooms	29	6	12	—	5	—	—	6	—	—	—	...
3 rooms	110	47	9	5	11	10	10	14	4	—	—	2 900
4 rooms	969	165	113	67	60	55	95	213	171	22	8	6 300
5 rooms	1 295	145	68	69	86	91	80	387	235	100	34	7 800
6 rooms	2 889	274	161	152	128	173	185	875	708	199	34	8 300
7 rooms or more	1 451	117	72	85	68	59	64	304	496	152	34	9 600
PERSONS												
1 person	1 075	529	156	91	107	28	30	101	28	—	5	2 100
2 persons	2 163	180	221	228	178	205	140	536	374	68	33	6 500
3 and 4 persons	2 319	45	39	45	55	104	180	744	807	245	55	9 800
5 persons	576	—	11	10	—	35	38	202	196	75	9	9 900
6 persons or more	610	—	8	4	18	16	46	216	209	85	8	10 000
Units with roomers, boarders, or lodgers	151	36	36	5	7	—	10	34	16	7	—	3 700
BEDROOMS												
Less than 3	2 214	238	281	223	177	267	71	578	271	92	16	5 700
3	3 693	252	231	201	261	291	144	1 104	874	253	82	8 300
4 or more	921	88	44	41	84	—	40	242	282	81	19	9 000
YEAR STRUCTURE BUILT												
1969 to March 1970	—	—	—	—	—	—	—	—	—	—	—	—
1960 to 1968	150	10	5	7	9	9	10	25	64	11	—	10 000
1950 to 1959	345	26	5	15	4	—	14	108	112	33	28	10 000
1949 or earlier	6 248	718	425	356	345	379	410	1 666	1 438	429	82	7 900
YEAR MOVED INTO UNIT												
1969 to March 1970	212	9	—	16	12	33	29	67	46	—	—	7 300
1968	220	19	—	15	—	14	58	47	53	—	—	9 500
1960 to 1967	1 368	100	61	45	49	38	140	428	446	55	6	8 800
1959 or earlier	4 942	651	332	281	264	252	309	1 227	1 160	369	97	7 900
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	3 276	167	90	270	285	332	152	890	797	235	58	8 200
Clothes dryer	3 864	251	101	182	262	378	209	1 031	1 095	297	58	8 600
Dishwasher	490	21	—	—	61	25	—	119	220	44	—	10 400
Home food freezer	1 257	104	82	71	22	142	56	354	344	82	—	8 300
Owned second home	229	21	—	19	—	—	—	39	130	—	—	...
With air conditioning	732	8	37	19	56	41	40	198	250	48	35	9 500
Room unit(s)	660	8	30	19	50	33	40	181	230	34	35	9 500
Central system	72	—	7	—	6	8	—	17	20	14	—	...
Automobiles available:												
1	3 809	238	121	174	238	215	310	1 340	992	146	35	8 400
2	1 199	17	7	22	19	22	89	243	515	216	49	11 800
3 or more	244	—	—	—	—	—	—	36	81	108	19	15 500
Renter occupied housing units	7 928	1 718	770	759	565	573	676	1 620	944	280	23	5 300
ROOMS												
1 room	491	260	53	66	23	19	17	53	—	—	—	2000—
2 rooms	267	120	44	16	12	9	32	30	—	4	—	2 300
3 rooms	1 183	403	171	153	64	96	67	156	68	5	—	3 100
4 rooms	2 365	550	211	257	227	192	240	438	210	23	17	4 700
5 rooms	1 515	202	174	135	110	148	130	346	200	70	—	5 900
6 rooms or more	2 107	183	117	132	129	109	190	597	466	178	6	8 000
PERSONS												
1 person	2 461	1 240	355	294	150	111	103	179	25	4	—	2 000
2 persons	2 128	263	239	263	204	208	188	435	255	69	4	5 500
3 and 4 persons	2 004	147	112	104	142	168	254	578	359	121	19	7 400
5 persons	606	50	19	52	20	58	40	176	149	42	—	8 100
6 persons or more	729	18	45	46	49	28	91	252	156	44	—	8 000
Units with roomers, boarders, or lodgers	101	40	5	20	17	—	—	12	—	—	—	3 300
BEDROOMS												
None	556	259	50	125	46	—	47	29	—	—	—	2 400
1	1 757	577	295	262	77	125	139	210	72	—	—	3 000
2	3 023	559	146	225	224	338	341	824	269	41	56	6 100
3 or more	2 564	202	324	148	150	128	164	570	539	323	16	7 900
YEAR STRUCTURE BUILT												
1969 to March 1970	—	—	—	—	—	—	—	—	—	—	—	—
1960 to 1968	170	40	37	23	—	16	—	44	10	—	—	3 300
1950 to 1959	722	242	110	90	61	44	20	91	45	5	14	3 100
1949 or earlier	7 036	1 436	623	646	504	513	656	1 485	889	275	9	5 600
YEAR MOVED INTO UNIT												
1969 to March 1970	1 677	435	154	114	133	152	172	296	164	57	—	5 000
1968	1 004	183	82	98	135	57	60	274	96	19	—	5 100
1960 to 1967	3 331	762	300	338	204	234	336	714	374	69	—	5 300
1959 or earlier	1 918	390	216	201	105	120	121	324	315	120	6	5 400
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹	7 912	1 712	770	759	565	573	676	1 610	944	280	23	5 300
Less than 15 percent	3 047	—	9	52	100	144	324	1 231	893	271	23	9 200
15 to 19 percent	1 166	11	47	155	188	217	281	256	6	5	—	5 800
20 to 24 percent	720	39	111	176	144	134	60	56	—	—	—	4 200
25 to 34 percent	867	145	268	274	121	45	4	10	—	—	—	3 100
35 percent or more	1 629	1 240	296	80	6	—	7	—	—	—	—	2000—
Not computed	483	277	39	22	6	33	—	57	45	4	—	2000—
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	2 445	199	183	134	165	220	210	696	434	204	—	7 500
Clothes dryer	2 249	209	80	38	136	185	299	616	458	189	39	7 900
Dishwasher	256	58	—	—	—	15	19	69	95	—	—	...
Home food freezer	510	61	60	75	—	18	—	141	92	43	20	7 900
Owned second home	72	—	—	—	—	—	—	—	—	—	—	...
With air conditioning	515	15	21	37	37	41	51	—	21	—	—	...
Room unit(s)	508	15	21	37	37	41	61	140	103	47	6	7 800
Central system	7	—	—	—	—	—	—	—	—	—	—	7 900
Automobiles available:												
1	3 804	263	207	279	312	418	528	1 112	574	111	—	6 800
2	578	28	7	6	19	—	34	164	218	96	6	10 700
3 or more	118	—	—	6	6	—	7	24	39	36	—	...

¹Excludes 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]

Johnstown	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	
Owner occupied housing units	6 743	6 533	3 958	2 364	205	6	210	160	46	4	-
PERSONS											
1 person	1 075	964	964	-	-	-	111	105	6	-	-
2 persons	2 163	2 110	2 067	43	-	-	53	48	5	-	-
3 persons	1 277	1 250	803	447	-	-	27	7	20	-	-
4 persons	1 042	1 036	90	946	-	-	6	-	6	-	-
5 persons	576	567	34	503	30	-	-	-	9	-	-
6 persons or more	610	606	-	425	175	6	4	-	-	4	-
Median	2.6	2.7	2.0	4.2	6.7	...	1.4	1.3	...	...	-
Units with roomers, boarders, or lodgers	151	151	108	38	5	-	-	-	-	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	-	-	-	-	-	-	-	-	-	-	-
1965 to 1968	39	39	-	39	-	-	-	-	-	-	-
1960 to 1964	96	96	42	46	8	-	-	-	-	-	-
1950 to 1959	304	304	144	144	16	-	-	-	-	-	-
1940 to 1949	294	294	161	127	6	-	-	-	-	-	-
1939 or earlier	6 009	5 800	3 625	2 033	142	-	209	172	32	5	-
INCOME IN 1969											
Less than \$2,000	754	675	642	33	-	-	79	74	5	-	-
\$2,000 to \$2,999	435	400	366	34	-	-	35	24	11	-	-
\$3,000 to \$3,999	378	367	327	36	4	-	11	11	-	-	-
\$4,000 to \$4,999	358	349	298	45	6	-	9	4	5	-	-
\$5,000 to \$5,999	388	378	258	108	12	-	10	5	5	-	-
\$6,000 to \$6,999	434	419	219	186	14	-	15	9	6	-	-
\$7,000 to \$9,999	1 799	1 757	868	782	107	-	42	33	9	-	-
\$10,000 to \$14,999	1 614	1 605	775	766	58	6	9	-	5	4	-
\$15,000 to \$24,999	473	473	162	307	4	-	-	-	-	-	-
\$25,000 or more	110	110	43	67	-	-	-	-	-	-	-
Median	\$8 000	\$8 200	\$6 400	\$9 800	\$8 900	...	\$2 700	\$2 300	...	...	-
VALUE-INCOME RATIO											
Specified owner occupied ¹	5 085	4 948	2 924	1 873	145	6	137	103	30	4	-
Less than 1.5	2 941	2 891	1 352	1 430	103	6	50	35	11	4	-
1.5 to 1.9	777	744	473	250	21	-	33	24	9	-	-
2.0 to 2.4	332	329	222	86	21	-	3	3	-	-	-
2.5 to 2.9	187	182	149	33	-	-	5	-	5	-	-
3.0 to 3.9	326	304	280	24	-	-	22	22	-	-	-
4.0 or more	476	452	406	46	-	-	24	19	5	-	-
Not computed	46	46	42	4	-	-	-	-	-	-	-
HEATING EQUIPMENT											
Steam or hot water	4 689	4 558	2 863	1 567	128	-	131	105	26	-	-
Warm-air furnace	1 733	1 696	955	678	57	6	37	18	15	4	-
Built-in electric units	14	14	-	14	-	-	-	-	-	-	-
Floor, wall, or pipeless furnace	72	72	52	20	-	-	-	-	-	-	-
Other means	235	193	88	85	20	-	42	37	5	-	-
None	-	-	-	-	-	-	-	-	-	-	-
Renter occupied housing units	7 928	7 198	3 871	2 805	446	76	730	187	509	24	10
PERSONS											
1 person	2 461	1 893	1 831	62	-	-	568	149	419	-	-
2 persons	2 128	2 030	1 696	329	-	5	98	38	55	-	5
3 persons	1 124	1 107	303	799	5	-	17	-	17	-	-
4 persons	880	876	41	828	-	7	4	-	4	-	-
5 persons	606	587	-	475	112	-	19	-	10	9	-
6 persons or more	729	705	-	312	329	64	24	-	4	15	5
Median	2.2	2.3	1.6	3.8	6.4	...	1.1	1.1	1.1	...	...
Units with roomers, boarders, or lodgers	101	79	62	17	-	-	22	11	11	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	-	-	-	-	-	-	-	-	-	-	-
1965 to 1968	35	35	20	15	-	-	-	-	-	-	-
1960 to 1964	139	139	64	54	21	-	-	-	-	-	-
1950 to 1959	751	751	394	281	63	13	-	-	-	-	-
1940 to 1949	614	604	266	284	46	8	10	10	-	-	7
1939 or earlier	6 391	5 692	3 170	2 108	369	45	699	172	488	32	7
INCOME IN 1969											
Less than \$2,000	1 718	1 385	1 124	232	16	13	333	87	246	-	-
\$2,000 to \$2,999	770	658	438	190	15	15	112	52	60	-	-
\$3,000 to \$3,999	759	693	462	194	37	-	66	11	50	-	5
\$4,000 to \$4,999	565	521	318	184	19	-	44	-	44	-	-
\$5,000 to \$5,999	573	540	256	255	23	6	33	10	19	4	-
\$6,000 to \$6,999	676	635	253	304	78	-	41	10	25	6	-
\$7,000 to \$9,999	1 620	1 533	616	728	166	23	87	17	55	10	5
\$10,000 to \$14,999	944	935	317	530	73	15	9	-	5	4	-
\$15,000 to \$24,999	280	275	83	169	19	4	5	-	5	-	-
\$25,000 or more	23	23	4	19	-	-	-	-	-	-	-
Median	\$5 300	\$5 600	\$3 800	\$7 200	\$7 600	...	\$2 300	\$2 100	\$2 100	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	7 912	7 182	3 855	2 805	446	76	730	187	509	24	10
Less than 10 percent	1 232	1 098	393	598	81	26	134	21	94	14	5
10 to 14 percent	1 815	1 699	667	873	143	16	116	21	89	6	-
15 to 19 percent	1 166	1 099	535	467	97	-	67	10	48	4	5
20 to 24 percent	720	680	418	217	39	6	40	10	30	-	-
25 to 34 percent	867	772	474	259	33	6	95	46	49	-	-
35 percent or more	1 629	1 411	1 058	289	42	22	218	62	156	-	-
Not computed	483	423	310	102	11	-	60	17	43	-	-
HEATING EQUIPMENT											
Steam or hot water	5 385	4 869	2 772	1 811	254	32	516	88	423	-	5
Warm-air furnace	1 808	1 697	768	746	156	27	111	38	59	9	5
Built-in electric units	33	28	23	5	-	-	5	5	-	-	-
Floor, wall, or pipeless furnace	122	122	43	67	6	6	-	-	-	-	-
Other means	580	482	265	176	30	11	98	56	27	15	-
None	-	-	-	-	-	-	-	-	-	-	-

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

²Excludes 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]

Johnstown	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	6 743	6	23	110	969	1 295	2 889	696	755	5.8
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	6 407	--	9	117	845	1 156	2 811	693	776	5.9
PERSONS										
1 person	1 075	6	18	67	237	173	407	79	88	5.6
2 persons	2 163	--	5	43	393	496	824	152	250	5.7
3 persons	1 277	--	--	--	197	270	593	109	108	5.8
4 persons	1 042	--	--	--	94	223	507	128	90	5.9
5 persons	576	--	--	--	30	83	292	84	87	6.1
6 persons or more	610	--	--	--	18	50	266	144	132	6.4
Median	2.6	...	...	1.3	2.1	2.5	2.9	3.6	2.9	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	6 533	--	12	105	885	1 252	2 842	696	741	5.9
0.50 or less	3 958	--	12	62	551	651	1 786	340	556	5.9
0.51 to 1.00	2 364	--	--	43	286	555	968	331	181	5.8
1.01 to 1.50	205	--	--	--	48	46	82	25	4	5.6
1.51 or more	6	--	--	--	--	--	6	--	--	...
Lacking some or all plumbing facilities	210	6	11	5	84	43	47	--	14	4.5
0.50 or less	160	--	6	5	79	18	38	--	14	4.4
0.51 to 1.00	46	6	5	5	5	21	9	--	--	...
1.01 to 1.50	4	--	--	--	--	4	--	--	--	...
1.51 or more	--	--	--	--	--	--	--	--	--	...
BEDROOMS										
None and 1	253	21	37	97	77	21	--	--	--	...
2	1 961	--	--	--	816	718	270	93	64	4.7
3	3 693	--	--	--	18	695	2 480	342	158	6.0
4 or more	921	--	--	--	--	20	130	280	491	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	--	--	--	--	--	--	--	--	--	--
1960 to 1968	150	--	--	--	56	36	31	22	5	5.0
1950 to 1959	345	--	--	--	51	109	147	19	19	5.6
1949 or earlier	6 248	6	23	110	862	1 150	2 711	655	731	5.9
COMPLETE BATHROOMS										
1 and 1/2	5 785	--	9	107	808	1 105	2 645	535	576	5.8
2 or more	628	--	--	10	37	57	166	158	200	6.8
None or also used by another household	329	--	7	14	152	74	76	--	6	4.4
VALUE-INCOME RATIO										
Specified owner occupied¹	5 085	--	11	24	661	896	2 319	596	578	5.9
Less than 1.5	2 941	--	--	8	353	534	1 355	391	300	5.9
1.5 to 1.9	777	--	--	--	85	156	387	71	78	5.9
2.0 to 2.9	519	--	5	5	59	91	241	53	65	5.9
3.0 or more	802	--	6	5	153	100	326	77	135	5.9
Not computed	46	--	--	6	11	15	10	4	--	...
Renter occupied housing units	7 928	491	267	1 183	2 365	1 515	1 669	283	155	4.4
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	6 902	51	136	1 096	2 041	1 508	1 681	255	134	4.6
PERSONS										
1 person	2 461	481	213	724	642	252	121	10	18	3.2
2 persons	2 128	10	42	342	816	447	439	22	10	4.3
3 persons	1 124	--	5	107	413	296	265	20	18	4.6
4 persons	880	--	7	--	269	206	311	46	41	5.3
5 persons	606	--	--	--	121	191	204	72	18	5.5
6 persons or more	729	--	--	10	104	123	329	113	50	5.9
Median	2.2	1.0	1.1	1.3	2.2	2.7	3.5	5.1	4.3	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	7 198	67	167	1 125	2 263	1 494	1 649	283	150	4.5
0.50 or less	3 871	--	135	704	1 397	683	813	52	87	4.3
0.51 to 1.00	2 805	62	20	411	666	688	699	196	63	4.9
1.01 to 1.50	446	--	5	--	170	113	123	35	--	4.9
1.51 or more	76	5	7	10	30	10	14	--	--	...
Lacking some or all plumbing facilities	730	424	100	58	102	21	20	--	5	1.4
0.50 or less	187	--	78	20	61	16	12	--	--	3.3
0.51 to 1.00	509	419	22	38	16	5	4	--	5	1.1
1.01 to 1.50	24	--	--	--	20	--	4	--	--	...
1.51 or more	10	5	--	--	5	--	--	--	--	...
BEDROOMS										
None	556	556	--	--	--	--	--	--	--	1.0
1	1 757	--	349	1 078	291	39	--	--	--	3.0
2	3 023	--	--	54	2 140	749	59	21	--	4.2
3 or more	2 564	--	--	--	24	525	1 505	331	179	6.0
YEAR STRUCTURE BUILT										
1969 to March 1970	--	--	--	--	--	--	--	--	--	--
1960 to 1968	170	--	--	32	48	74	16	--	--	4.6
1950 to 1959	722	--	--	91	293	215	73	42	8	4.4
1949 or earlier	7 036	491	267	1 060	2 024	1 226	1 580	241	147	4.3
COMPLETE BATHROOMS										
1 and 1/2	6 829	55	143	1 103	2 030	1 498	1 645	255	100	4.6
2 or more	111	8	--	6	11	16	36	--	34	...
None or also used by another household	990	409	85	78	301	59	44	7	7	2.5
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	7 912	491	267	1 172	2 360	1 515	1 669	283	155	4.4
Less than 10 percent	1 232	85	49	130	347	255	281	65	20	4.5
10 to 14 percent	1 815	68	27	206	495	329	555	93	42	4.8
15 to 19 percent	1 166	50	26	142	390	264	242	28	24	4.4
20 to 24 percent	720	30	11	92	271	149	136	22	9	4.3
25 to 34 percent	867	48	66	157	222	202	141	26	5	4.2
35 percent or more	1 629	162	62	412	524	227	209	23	8	3.8
Not computed	483	48	26	33	109	89	105	26	47	4.8

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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]

Johnstown	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	6 743	5 222	1 521	-	7 928	1 802	2 559	1 257	1 240	587	483	-
ROOMS												
1 room	6	-	6	-	491	5	10	16	57	184	219	-
2 rooms	23	11	12	-	267	37	30	71	81	37	11	-
3 rooms	110	30	80	-	1 183	125	233	370	341	79	35	-
4 rooms	969	674	295	-	2 365	528	754	429	413	151	90	-
5 rooms	1 295	927	368	-	1 515	341	548	186	245	121	74	-
6 rooms	2 889	2 355	534	-	1 669	535	834	146	103	15	36	-
7 rooms	696	605	91	-	283	141	95	29	-	-	18	-
8 rooms or more	755	620	135	-	155	90	55	10	-	-	-	-
Median	5.8	5.9	5.5	-	4.4	5.1	5.0	3.9	3.8	3.4	2.8	-
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	6 533	5 085	1 448	-	7 198	1 757	2 478	1 194	1 088	421	260	-
0.50 or less	3 958	3 028	930	-	3 871	938	1 186	760	604	237	146	-
0.51 to 1.00	2 364	1 895	469	-	2 805	637	1 108	393	410	157	100	-
1.01 to 1.50	205	156	49	-	446	169	160	20	61	27	9	-
1.51 or more	6	6	-	-	76	13	24	21	13	-	5	-
Lacking some or all plumbing facilities	210	137	73	-	730	45	81	63	152	166	223	-
0.50 or less	160	103	57	-	187	40	37	30	66	9	5	-
0.51 to 1.00	46	30	16	-	509	5	24	33	77	157	213	-
1.01 to 1.50	4	4	-	-	24	-	15	-	9	-	-	-
1.51 or more	-	-	-	-	10	-	5	-	-	-	5	-
BEDROOMS												
None	46	-	46	-	556	17	34	-	66	240	199	-
1	207	37	170	-	1 757	191	358	577	534	76	21	-
2	1 961	1 331	630	-	3 023	730	1 020	589	368	180	136	-
3	3 693	3 084	609	-	2 093	440	1 100	220	208	102	23	-
4 or more	921	815	106	-	471	214	130	17	20	36	54	-
YEAR STRUCTURE BUILT												
1969 to March 1970	-	-	-	-	-	-	-	-	-	-	-	-
1965 to 1968	60	55	5	-	35	6	-	-	-	12	17	-
1960 to 1964	90	90	-	-	135	11	6	6	5	69	38	-
1950 to 1959	345	324	21	-	722	96	53	31	211	160	171	-
1940 to 1949	322	279	43	-	563	126	144	74	205	10	4	-
1939 or earlier	5 926	4 474	1 452	-	6 473	1 563	2 356	1 146	819	336	253	-
INCOME IN 1969												
Less than \$2,000	754	538	216	-	1 718	291	349	270	359	248	201	-
\$2,000 to \$2,999	435	308	127	-	770	131	182	141	183	54	79	-
\$3,000 to \$3,999	378	274	104	-	759	171	202	114	114	82	76	-
\$4,000 to \$4,999	358	273	85	-	565	104	140	135	115	59	12	-
\$5,000 to \$5,999	388	306	82	-	573	140	176	135	74	34	14	-
\$6,000 to \$6,999	434	356	78	-	676	189	263	92	98	17	17	-
\$7,000 to \$9,999	1 799	1 440	359	-	1 620	450	666	196	194	59	55	-
\$10,000 to \$14,999	1 614	1 266	348	-	944	242	452	126	80	30	14	-
\$15,000 to \$24,999	473	363	110	-	280	79	129	48	19	-	5	-
\$25,000 or more	110	98	12	-	23	5	-	-	4	4	10	-
Median	\$8 000	\$8 200	\$7 600	-	\$5 300	\$6 300	\$6 900	\$4 800	\$3 700	\$2 800	\$2 500	-
YEAR MOVED INTO UNIT												
1969 to March 1970	212	204	8	-	1 677	395	566	245	245	140	86	-
1968	220	201	19	-	1 004	226	259	177	129	98	115	-
1967	230	187	43	-	658	166	206	96	118	54	18	-
1965 and 1966	341	264	77	-	929	208	327	147	115	45	87	-
1960 to 1964	797	704	93	-	1 744	372	548	276	288	151	109	-
1950 to 1959	1 580	1 227	353	-	1 189	293	335	179	248	74	60	-
1949 or earlier	3 362	2 415	947	-	729	218	291	87	87	27	19	-
GROSS RENT												
Specified renter occupied¹ .....	...	...	...	...	7 912	1 786	2 559	1 257	1 240	587	483	-
Less than \$50 .....	...	...	...	...	1 169	125	143	138	260	282	221	-
\$50 to \$59 .....	...	...	...	...	881	139	231	192	209	53	57	-
\$60 to \$69 .....	...	...	...	...	1 183	177	354	245	249	66	92	-
\$70 to \$79 .....	...	...	...	...	1 215	260	437	208	176	83	51	-
\$80 to \$99 .....	...	...	...	...	2 034	486	888	295	272	53	40	-
\$100 to \$119 .....	...	...	...	...	821	276	349	104	48	22	22	-
\$120 to \$149 .....	...	...	...	...	263	125	53	52	21	12	-	-
\$150 to \$199 .....	...	...	...	...	64	15	38	6	5	-	-	-
\$200 to \$299 .....	...	...	...	...	5	-	5	-	-	-	-	-
\$300 or more .....	...	...	...	...	-	-	-	-	-	-	-	-
No cash rent .....	...	...	...	...	277	183	61	17	-	16	-	-
Median .....	...	...	...	...	\$75	\$84	\$82	\$72	\$66	\$51	\$54	-
HEATING EQUIPMENT												
Steam or hot water	4 689	3 655	1 034	-	5 385	1 058	1 554	875	921	527	450	-
Warm-air furnace	1 733	1 348	385	-	1 808	537	773	237	205	32	24	-
Built-in electric units	14	14	-	-	33	6	5	11	5	6	-	-
Floor, wall, or pipeless furnace	72	48	24	-	122	44	37	24	17	-	-	-
Other means	235	157	78	-	580	157	190	110	92	22	9	-
None	-	-	-	-	-	-	-	-	-	-	-	-
AIR CONDITIONING												
Room unit(s)	660	536	124	-	508	135	159	105	80	29	-	-
Central system	72	72	-	-	7	7	-	-	-	-	-	-
None	6 010	4 594	1 416	-	7 415	1 736	2 373	1 102	1 150	560	494	-
AUTOMOBILES AVAILABLE												
1	3 809	2 949	860	-	3 804	992	1 390	623	480	193	126	-
2	1 199	978	221	-	578	156	247	75	87	-	13	-
3 or more	244	210	34	-	118	32	74	-	12	-	-	-
None	1 490	1 065	425	-	3 430	698	821	509	651	396	355	-

¹Excludes 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]

Johnstown	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		
Owner occupied housing units	6 743	35	227	840	2 492	950	230	140	371	383	402	673
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	6 533	35	227	836	2 459	946	215	130	350	371	368	596
0.50 or less	3 958	5	56	156	1 270	726	139	100	248	294	368	596
0.51 to 1.00	2 364	30	171	598	1 095	215	66	30	82	77	-	-
1.01 to 1.50	205	-	-	82	88	5	10	-	20	-	-	-
1.51 or more	6	-	-	-	6	-	-	-	-	-	-	-
Lacking some or all plumbing facilities	210	-	-	4	33	4	15	10	21	12	34	77
0.50 or less	160	-	-	-	24	4	10	-	5	12	28	77
0.51 to 1.00	46	-	-	4	5	-	5	10	16	-	6	-
1.01 to 1.50	4	-	-	-	4	-	-	-	-	-	-	-
1.51 or more	-	-	-	-	-	-	-	-	-	-	-	-
UNITS IN STRUCTURE												
1	5 222	26	207	715	1 961	692	176	123	287	304	287	444
2 or more	1 521	9	20	125	531	258	54	17	84	79	115	229
Mobile home or trailer	-	-	-	-	-	-	-	-	-	-	-	-
INCOME IN 1969												
Less than \$2,000	754	-	-	4	34	72	-	9	15	91	133	396
\$2,000 to \$2,999	435	-	8	10	29	102	5	15	67	43	39	117
\$3,000 to \$3,999	378	5	9	-	43	143	10	10	39	28	51	40
\$4,000 to \$4,999	358	6	3	6	42	105	-	20	41	28	54	53
\$5,000 to \$5,999	388	-	10	39	103	121	28	21	21	17	19	9
\$6,000 to \$6,999	434	4	40	74	126	86	24	5	24	21	20	10
\$7,000 to \$9,999	1 799	20	92	366	804	167	73	22	67	87	68	33
\$10,000 to \$14,999	1 614	-	60	276	914	109	64	25	87	51	13	15
\$15,000 to \$24,999	473	-	5	54	325	36	20	13	10	10	-	-
\$25,000 or more	110	-	-	11	72	9	6	-	-	7	5	-
Median	\$8 000	...	\$8 400	\$9 400	\$10 400	\$5 400	\$9 000	\$5 800	\$6 100	\$5 100	\$3 600	\$2000-
VALUE-INCOME RATIO												
Specified owner occupied ¹	5 085	26	203	688	1 897	682	171	123	276	304	282	433
Less than 1.5	2 941	21	132	492	1 485	255	134	69	135	114	85	19
1.5 to 1.9	777	-	46	117	256	146	27	25	33	50	35	42
2.0 to 2.4	332	5	10	33	83	91	5	5	45	21	15	19
2.5 to 2.9	187	-	3	23	19	43	-	5	5	18	14	57
3.0 to 3.9	326	-	-	14	31	77	-	9	20	45	34	96
4.0 or more	476	-	12	9	19	70	5	10	38	49	79	185
Not computed	46	-	-	-	4	-	-	-	-	7	20	15
Renter occupied housing units	7 928	421	850	673	1 490	470	277	45	1 017	224	1 443	1 018
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	7 198	421	846	653	1 466	444	248	45	970	212	1 071	822
0.50 or less	3 871	120	139	87	653	334	141	22	421	123	1 024	807
0.51 to 1.00	2 805	290	579	396	697	110	92	23	467	89	47	15
1.01 to 1.50	446	11	128	128	106	-	10	-	63	-	-	-
1.51 or more	76	-	-	42	10	-	5	-	19	-	-	-
Lacking some or all plumbing facilities	730	-	4	20	24	26	29	-	47	12	372	196
0.50 or less	187	-	-	-	5	11	5	-	17	-	84	65
0.51 to 1.00	509	-	-	4	10	15	19	-	30	12	288	131
1.01 to 1.50	24	-	4	11	9	-	-	-	-	-	-	-
1.51 or more	10	-	-	5	-	-	5	-	-	-	-	-
UNITS IN STRUCTURE												
1	1 802	98	225	184	443	145	77	6	235	50	208	131
2 to 4	3 816	259	491	394	783	227	139	24	434	88	556	421
5 to 19	1 827	60	115	86	226	90	51	5	267	78	498	351
20 or more	483	4	19	9	38	8	10	10	81	8	181	115
Mobile home or trailer	-	-	-	-	-	-	-	-	-	-	-	-
GROSS RENT												
Specified renter occupied ²	7 912	421	850	673	1 490	470	277	45	1 012	224	1 438	1 012
Less than \$50	1 169	18	6	14	43	17	28	10	88	36	547	362
\$50 to \$59	881	45	48	43	95	54	35	-	88	37	281	155
\$60 to \$69	1 183	53	109	60	156	88	58	12	171	45	232	199
\$70 to \$79	1 215	78	153	95	252	94	75	6	230	42	142	94
\$80 to \$99	2 034	138	283	289	572	118	58	11	281	26	123	118
\$100 to \$119	821	53	187	115	191	54	34	6	96	11	47	27
\$120 to \$149	263	24	31	16	99	11	4	-	41	10	11	16
\$150 to \$199	64	5	11	26	13	-	-	-	5	-	-	4
\$200 to \$299	5	-	5	-	-	-	-	-	-	-	-	-
\$300 or more	-	-	-	-	-	-	-	-	-	-	-	-
No cash rent	277	7	17	15	69	34	14	-	12	17	55	37
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ²	7 912	421	850	673	1 490	470	277	45	1 012	224	1 438	1 012
Less than \$5,000	3 806	104	125	62	234	288	63	21	736	140	1 085	948
Less than 20 percent	562	21	28	8	51	32	40	-	85	15	221	61
20 to 24 percent	470	10	22	9	50	63	4	16	88	21	104	83
25 to 34 percent	808	22	44	19	65	66	9	5	184	37	223	134
35 percent or more	1 622	47	31	20	49	109	10	-	306	42	385	623
Not computed	344	4	-	6	19	18	-	-	73	25	152	47
\$5,000 to \$9,999	2 859	246	564	441	641	133	168	19	224	35	334	54
Less than 20 percent	2 453	191	481	369	569	95	137	19	196	30	317	49
20 to 24 percent	250	37	50	34	46	16	17	-	28	5	17	-
25 to 34 percent	59	11	16	26	7	-	-	-	-	-	-	-
35 percent or more	7	-	-	-	-	-	-	-	-	-	-	-
Not computed	90	-	17	5	26	16	14	-	-	-	-	-
\$10,000 to \$14,999	944	54	135	136	439	36	31	5	43	40	15	10
Less than 20 percent	899	54	135	130	415	36	31	5	43	34	6	10
20 to 24 percent	-	-	-	-	-	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	45	-	-	6	24	-	-	-	-	-	9	-
\$15,000 or more	303	17	26	34	176	13	15	-	9	9	4	-
Less than 20 percent	299	17	26	30	176	13	15	-	9	9	4	-
20 to 24 percent	-	-	-	-	-	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	4	-	-	4	-	-	-	-	-	-	-	-

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

²Excludes 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]

Johnstown

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	6 743	1 075	2 163	1 277	1 042	576	389	149	72	2.6
BEDROOMS										
None and 1	253	139	114	—	—	—	—	—	—	...
2	1 961	365	1 026	247	224	61	38	—	—	2.1
3	3 693	353	1 033	757	810	414	172	77	77	3.1
4 or more	921	131	146	178	131	48	153	115	19	3.5
YEAR STRUCTURE BUILT										
1969 to March 1970	—	—	—	—	—	—	—	—	—	—
1965 to 1968	60	—	5	15	18	11	5	—	—	...
1960 to 1964	90	10	28	16	16	4	5	11	—	...
1950 to 1959	345	26	93	81	65	45	19	4	12	3.2
1940 to 1949	322	43	92	67	70	17	29	4	4	2.9
1939 or earlier	5 926	996	1 945	1 098	873	499	331	130	54	2.5
UNITS IN STRUCTURE										
1	5 222	731	1 657	988	856	473	330	130	57	2.7
2 or more	1 521	344	506	289	186	103	59	19	15	2.3
Mobile home or trailer	—	—	—	—	—	—	—	—	—	—
COMPLETE BATHROOMS										
1 and 1 1/2	5 785	822	1 907	1 179	885	499	328	109	56	2.6
2 and 2 1/2	585	81	150	116	89	80	52	7	10	3.0
3 or more	43	6	14	6	8	—	—	9	—	...
None or also used by another household	329	161	94	30	8	25	11	—	—	1.5
HOUSEHOLD COMPOSITION										
Two-or-more-person households	5 668	...	2 163	1 277	1 042	576	389	149	72	3.0
Male head, wife present, no nonrelatives	4 544	...	1 554	988	926	535	333	136	72	3.2
Under 25 years	35	...	—	10	21	4	—	—	—	...
25 to 34 years	227	...	19	28	86	66	28	—	—	4.3
35 to 44 years	840	...	93	82	184	214	157	84	24	4.8
45 to 64 years	2 492	...	828	665	546	218	135	52	48	3.1
65 years and over	950	...	614	203	87	33	13	—	—	2.3
Other male head	370	...	191	90	45	11	33	—	—	2.5
Under 65 years	230	...	115	58	17	11	29	—	—	2.5
65 years and over	140	...	76	32	28	—	4	—	—	2.4
Female head	754	...	418	199	71	30	23	13	—	2.4
Under 65 years	371	...	180	95	48	17	18	13	—	2.6
65 years and over	383	...	238	104	23	13	5	—	—	2.3
One-person households	1 075	1 075	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	5 085	715	1 595	958	850	456	330	124	57	2.7
Less than 1.5	2 941	104	740	710	663	336	263	84	41	3.4
1.5 to 1.9	777	77	336	123	92	78	41	20	10	2.4
2.0 to 2.4	332	34	151	45	41	28	12	15	6	2.4
2.5 to 2.9	187	71	57	31	19	9	—	—	—	1.9
3.0 to 3.9	326	130	156	16	14	5	—	5	—	1.7
4.0 or more	476	264	148	29	21	—	14	—	—	1.4
Not computed	46	35	7	4	—	—	—	—	—	...
Renter occupied housing units	7 928	2 461	2 128	1 124	880	606	350	280	99	2.2
BEDROOMS										
None	556	556	—	—	—	—	—	—	—	1.0
1	1 757	1 032	579	129	17	—	—	—	—	1.4
2	3 023	586	1 205	766	242	172	18	17	17	2.3
3 or more	2 564	169	424	392	441	533	335	197	73	4.2
YEAR STRUCTURE BUILT										
1969 to March 1970	—	—	—	—	—	—	—	—	—	—
1965 to 1968	35	11	18	6	—	—	—	—	—	...
1960 to 1964	135	22	33	19	31	9	16	5	—	3.2
1950 to 1959	722	210	178	106	79	61	24	60	4	2.3
1940 to 1949	563	150	149	88	95	53	6	18	4	2.4
1939 or earlier	6 473	2 068	1 750	905	675	483	304	197	91	2.2
UNITS IN STRUCTURE										
1	1 802	339	572	243	233	182	110	81	42	2.5
2	2 559	480	665	455	377	260	168	127	27	2.8
3 and 4	1 257	497	370	204	88	47	20	5	26	1.9
5 to 9	1 240	504	345	155	113	56	28	39	—	1.8
10 to 19	587	345	107	31	41	35	19	9	—	1.4
20 or more	483	296	69	36	28	26	5	19	4	1.3
Mobile home or trailer	—	—	—	—	—	—	—	—	—	—
COMPLETE BATHROOMS										
1 and 1 1/2	6 829	1 856	1 919	970	878	556	292	268	90	2.3
2 or more	111	24	19	55	—	—	6	7	—	...
None or also used by another household	990	581	188	51	38	58	43	25	6	1.4
HOUSEHOLD COMPOSITION										
Two-or-more-person households	5 467	...	2 128	1 124	880	606	350	280	99	3.0
Male head, wife present, no nonrelatives	3 904	...	1 336	805	689	453	294	251	76	3.3
Under 25 years	421	...	165	183	62	7	4	—	—	2.7
25 to 34 years	850	...	124	185	243	126	94	61	17	4.0
35 to 44 years	673	...	60	116	128	133	100	98	38	4.7
45 to 64 years	1 490	...	615	246	237	183	96	92	21	3.0
65 years and over	470	...	372	75	19	4	—	—	—	2.1
Other male head	322	...	203	56	39	14	6	—	4	2.3
Under 65 years	277	...	176	38	39	14	6	—	4	2.3
65 years and over	45	...	27	18	—	—	—	—	—	...
Female head	1 241	...	589	263	152	139	50	29	19	2.6
Under 65 years	1 017	...	442	200	147	139	41	29	19	2.8
65 years and over	224	...	147	63	5	—	9	—	—	2.3
One-person households	2 461	2 461	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	7 912	2 450	2 123	1 124	880	606	350	280	99	2.2
Less than 10 percent	1 232	188	344	240	192	116	67	62	23	2.9
10 to 14 percent	1 815	238	471	401	281	191	111	92	30	3.0
15 to 19 percent	1 166	242	373	143	173	101	64	56	14	2.4
20 to 24 percent	720	204	260	85	59	45	32	22	13	2.1
25 to 34 percent	867	357	243	82	68	58	32	21	6	1.8
35 percent or more	1 629	1 008	294	126	85	42	39	22	13	1.3
Not computed	483	213	138	47	22	53	5	5	—	1.7

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

²Excludes 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]

Johnstown					Johnstown				
	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
Vacant for sale	77	4	16	57	Vacant for rent	413	161	102	150
ROOMS					ROOMS				
1 to 3 rooms	3	—	—	3	1 room	78	68	10	—
4 rooms	31	—	3	28	2 rooms	34	5	16	13
5 rooms	12	—	7	5	3 rooms	81	26	10	45
6 rooms	24	4	6	14	4 rooms	131	28	37	66
7 rooms or more	7	—	—	7	5 rooms	25	8	8	9
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	64	4	13	47	6 rooms	41	12	12	17
Lacking some or all plumbing facilities	13	—	3	10	7 rooms or more	23	14	9	—
BEDROOMS					BEDROOMS				
None and 1	21	—	—	21	With all plumbing facilities	281	88	76	117
2	26	—	26	—	Lacking some or all plumbing facilities	132	73	26	33
3	21	—	21	—	BEDROOMS				
4 or more	—	—	—	—	None	43	43	—	—
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	—	—	—	—	1	152	—	55	97
1960 to 1968	—	—	—	—	2	183	54	42	87
1950 to 1959	—	—	—	—	3 or more	33	—	33	—
1949 or earlier	77	4	16	57	YEAR STRUCTURE BUILT				
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	25	4	10	11	1969 to March 1970	—	—	—	—
2 or more	52	—	6	46	1960 to 1968	12	4	4	4
HEATING EQUIPMENT					UNITS IN STRUCTURE				
Steam or hot water	62	4	6	52	1	91	32	24	35
Warm-air furnace	5	—	—	5	2 to 4	136	32	33	71
Built-in electric units	—	—	—	—	5 to 9	65	22	20	23
Floor, wall, or pipeless furnace	4	—	4	—	10 to 19	51	20	15	16
Other means	6	—	6	—	20 or more	70	55	10	5
None	—	—	—	—	RENT ASKED				
SALES PRICE ASKED					RENT ASKED				
Specified vacant for sale ¹	25	4	10	11	Specified vacant for rent ²	413	161	102	150
Less than \$5,000	4	—	—	4	Less than \$50	179	57	54	68
\$5,000 to \$9,999	3	—	—	3	\$50 to \$59	75	23	17	35
\$10,000 to \$14,999	10	—	10	—	\$60 to \$79	125	68	27	30
\$15,000 to \$19,999	8	4	4	4	\$80 to \$99	19	8	—	11
\$20,000 to \$24,999	—	—	—	—	\$100 to \$119	11	5	—	6
\$25,000 to \$34,999	—	—	—	—	\$120 to \$149	4	—	4	—
\$35,000 to \$49,999	—	—	—	—	\$150 to \$199	—	—	—	—
\$50,000 or more	—	—	—	—	\$200 or more	—	—	—	—
Median price asked .....	...	...	...	...	Median rent asked	\$54	\$60	\$49	\$52

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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]

Johnstown	Sales price asked—Vacant for sale ¹							Rent asked—Vacant for rent ²						
	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
Total	25	7	10	8	—	—	—	413	254	125	19	15	—	—
PLUMBING FACILITIES														
With all plumbing facilities	21	—	21	—	—	—	—	314	185	42	54	33	—	—
Lacking some or all plumbing facilities	—	—	—	—	—	—	—	97	22	75	—	—	—	—
BEDROOMS														
None and 1	—	—	—	—	—	—	—	195	132	42	21	—	—	—
2	—	—	—	—	—	—	—	183	75	75	33	—	—	—
3	21	—	21	—	—	—	—	33	—	—	—	33	—	—
4 or more	—	—	—	—	—	—	—	—	—	—	—	—	—	—
YEAR STRUCTURE BUILT														
1969 to March 1970	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1960 to 1968	—	—	—	—	—	—	—	12	8	4	—	—	—	—
1950 to 1959	—	—	—	—	—	—	—	401	246	121	19	15	—	—
1949 or earlier	25	7	10	8	—	—	—	—	—	—	—	—	—	—
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	91	53	33	—	5	—	—
2 to 4 .....	...	...	...	...	...	...	...	136	84	42	4	6	—	—
5 to 19 .....	...	...	...	...	...	...	...	116	88	13	11	4	—	—
20 or more .....	...	...	...	...	...	...	...	70	29	37	4	—	—	—
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	215	118	83	8	6	—	—
Some or no utilities included .....	...	...	...	...	...	...	...	198	136	42	11	9	—	—

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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, the 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>A. 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>H1. 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><input type="radio"/> No _____</p> <p style="text-align: right; margin-right: 50px;"><i>Phone number</i></p> <p>H2. 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>H3. 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>H4. 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>H5. 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>H6. 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>H7. 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>H8. 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>H9. 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>H10a. 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. 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>H11. 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> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: 100px;"> <p><i>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.</i></p> </div> <p>H12. Answer this question if you pay rent for your living quarters.</p> <p>a. If rent is paid by the month—</p> <p>What is the monthly rent?</p> <p>Write amount here → \$ _____ .00 (Nearest dollar)</p> <p><i>and</i></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. 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="width: 50%; border-bottom: 1px solid black;">a4. Block number</td> <td style="width: 50%; border-bottom: 1px solid black;">a5. Serial number</td> </tr> <tr> <td style="text-align: center;">0 0 0 0 0 0</td> <td style="text-align: center;">0 0 0 0 0</td> </tr> <tr> <td style="text-align: center;">1 0 0 0 1 0 0 0 1</td> <td style="text-align: center;">1 0 0 0 1</td> </tr> <tr> <td style="text-align: center;">2 0 0 0 2 0 0 0 2</td> <td style="text-align: center;">2 0 0 0 2</td> </tr> <tr> <td style="text-align: center;">3 0 0 0 3 0 0 0 3</td> <td style="text-align: center;">3 0 0 0 3</td> </tr> <tr> <td style="text-align: center;">4 0 0 0 4 0 0 0 4</td> <td style="text-align: center;">4 0 0 0 4</td> </tr> <tr> <td style="text-align: center;">5 0 0 0 5 0 0 0 5</td> <td style="text-align: center;">5 0 0 0 5</td> </tr> <tr> <td style="text-align: center;">6 0 0 0 6 0 0 0 6</td> <td style="text-align: center;">6 0 0 0 6</td> </tr> <tr> <td style="text-align: center;">7 0 0 0 7 0 0 0 7</td> <td style="text-align: center;">7 0 0 0 7</td> </tr> <tr> <td style="text-align: center;">8 0 0 0 8 0 0 0 8</td> <td style="text-align: center;">8 0 0 0 8</td> </tr> <tr> <td style="text-align: center;">9 0 0 0 9 0 0 0 9</td> <td style="text-align: center;">9 0 0 0 9</td> </tr> </table> <p>B. Type of unit or quarters</p> <p>Occupied</p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p>Vacant</p> <p><input type="radio"/> Regular</p> <p><input type="radio"/> Usual residence elsewhere</p> <p>Group quarters</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>C. Vacancy status</p> <p>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>■</p> <p>D. 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>	a4. Block number	a5. Serial number	0 0 0 0 0 0	0 0 0 0 0	1 0 0 0 1 0 0 0 1	1 0 0 0 1	2 0 0 0 2 0 0 0 2	2 0 0 0 2	3 0 0 0 3 0 0 0 3	3 0 0 0 3	4 0 0 0 4 0 0 0 4	4 0 0 0 4	5 0 0 0 5 0 0 0 5	5 0 0 0 5	6 0 0 0 6 0 0 0 6	6 0 0 0 6	7 0 0 0 7 0 0 0 7	7 0 0 0 7	8 0 0 0 8 0 0 0 8	8 0 0 0 8	9 0 0 0 9 0 0 0 9	9 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>H13. 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>a. Electricity?</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. Gas?</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>c. Water?</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>d. Oil, coal, kerosene, wood, etc.?</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>H14. 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>H15. 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>H16. 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>H17. 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>H18. 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>	<p>H19. 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>H20. 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>H21. 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>H22. 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>H23. 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>
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15 and 5 percent

15 percent

APPENDIX B—Continued

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

<p>H13. 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>a. Electricity? <input type="radio"/> Yes, average monthly cost is \$ _____ .00 <i>Average monthly cost</i> <input type="radio"/> No, included in rent <input type="radio"/> No, electricity not used</p> <p>b. Gas? <input type="radio"/> Yes, average monthly cost is \$ _____ .00 <i>Average monthly cost</i> <input type="radio"/> No, included in rent <input type="radio"/> No, gas not used</p> <p>c. Water? <input type="radio"/> Yes, yearly cost is \$ _____ .00 <i>Yearly cost</i> <input type="radio"/> No, included in rent or no charge</p> <p>d. Oil, coal, kerosene, wood, etc.? <input type="radio"/> Yes, yearly cost is \$ _____ .00 <i>Yearly cost</i> <input type="radio"/> No, included in rent <input type="radio"/> No, these fuels not used</p>	<p>H24a. 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. If 4 or more stories— Is there a passenger elevator in this building? <input type="radio"/> Yes <input type="radio"/> No</p>
<p>H14. 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 <input type="radio"/> Central warm air furnace with ducts to the individual rooms, or central heat pump <input type="radio"/> Built-in electric units (permanently installed in wall, ceiling, or baseboard) <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 In some other way—Describe _____ <input type="radio"/> None, unit has no heating equipment</p>	<p>H25a. Which fuel is used most for cooking? <input checked="" type="radio"/> 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</p> <p>b. Which fuel is used most for house heating? <input checked="" type="radio"/> 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</p> <p>c. Which fuel is used most for water heating? <input checked="" type="radio"/> 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</p>
<p>H15. 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>H26. 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 checked="" type="radio"/> 1 bedroom <input type="radio"/> 2 bedrooms <input type="radio"/> 3 bedrooms <input type="radio"/> 4 bedrooms <input type="radio"/> 5 bedrooms or more</p>
<p>H16. 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 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 Other— Describe _____</p>	<p>H27a. 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. 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>c. Do you have a dishwasher (built-in or portable)? <input type="radio"/> Yes <input type="radio"/> No</p> <p>d. Do you have a home food freezer which is separate from your refrigerator? <input type="radio"/> Yes <input type="radio"/> No</p>
<p>H17. 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>H28a. 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. If "Yes"—Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83? <input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>H18. 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"/> \$50 to \$249 <input type="radio"/> \$250 to \$2,499 <input type="radio"/> \$2,500 to \$4,999 <input type="radio"/> \$5,000 to \$9,999 <input type="radio"/> \$10,000 or more</p>	<p>H29. 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>H30. 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>

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 microfilming, 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)
OCCUPANCY CHARACTERISTICS		EQUIPMENT AND APPLIANCES	
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
VACANCY CHARACTERISTICS		FINANCIAL CHARACTERISTICS	
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
UTILIZATION CHARACTERISTICS		Value-income ratio	20
Number of rooms	20	Gross rent as percentage of income	20
Size of household (persons)	20		
Persons per room	20	HOUSEHOLD CHARACTERISTICS	
Bedrooms	5	Household composition	20
		Income	20
PLUMBING CHARACTERISTICS			
Plumbing facilities	20		
Complete bathrooms	15		
STRUCTURAL CHARACTERISTICS			
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

	<i>Male Head With Own Children Under 18</i>
1	1-person household
2	2-person household
3	3-person household
.	.
.	.
6	6-or-more-person household

	<i>Male Head Without Own Children Under 18</i>
7-12	1-person to 6-or-more-person households

	<i>Female Head</i>
13-18	1-person to 6-or-more-person households

STAGE II

	<i>Owner Occupied</i>
19	Negro
20	Not Negro
	<i>Renter Occupied</i>
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

APPENDIX C—Continued

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 ¹	Number of housing units in area ²						
	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

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

²An 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 ¹	Factor if sample rate is—			Characteristic ¹	Factor if sample rate is—		
	20 percent	15 percent	5 percent		20 percent	15 percent	5 percent
OCCUPANCY AND VACANCY CHARACTERISTICS				EQUIPMENT, FUELS, AND APPLIANCES			
Year moved into unit .....	...	1.1	...	Heating equipment	0.8	0.9	...
Duration of vacancy	0.8	...	1.7	Air conditioning .....	...	1.1	...
UTILIZATION CHARACTERISTICS				FINANCIAL CHARACTERISTICS			
Rooms	1.0	1.1	2.1	Value	1.0	1.1	2.1
Size of household (persons)	0.5	0.6	1.2	Value-income ratio	1.0	1.2	...
Persons per room	0.4	0.5	0.9	Gross rent	0.9	1.1	2.1
Bedrooms .....	...	...	2.1	Gross rent as percentage of income	1.0	1.2	...
PLUMBING CHARACTERISTICS				HOUSEHOLD CHARACTERISTICS			
Complete bathrooms .....	...	1.1	...	Sales price asked	1.1	...	2.5
Plumbing facilities	1.0	...	...	Rent asked	1.1	...	2.5
STRUCTURAL CHARACTERISTICS				ALL OTHERS			
Units in structure	0.8	0.9	1.7	Household composition	0.6	0.7	...
Year structure built	0.9	1.0	...	Income in 1969	1.0	1.2	2.3
					1.0	1.2	2.2

¹Tabulations 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, home-owner 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.

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Social and Economic Statistics Administration
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AND RENT ASKED**

A UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION



Metropolitan Housing Characteristics

KALAMAZOO, MICH.
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-100



1970
CENSUS OF
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HOUSING DIVISION

Arthur F. Young, Chief

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**1970
CENSUS OF
HOUSING**

Metropolitan
Housing
Characteristics

**KALAMAZOO, MICH.
STANDARD METROPOLITAN
STATISTICAL AREA**

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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, Puerto Rico SMSA
162	Pensacola, Fla. SMSA	204	Sioux City, Iowa-Nebr. SMSA	246	Mayagüez, Puerto Rico SMSA
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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
OCCUPANCY AND VACANCY CHARACTERISTICS										
Year moved into unit	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Duration of vacancy	—	—	—	9 ¹	9	9	—	—	—	9
UTILIZATION CHARACTERISTICS										
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†	—	—
PLUMBING CHARACTERISTICS										
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†	—	—
STRUCTURAL CHARACTERISTICS										
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*	—	—	—	—	—	—	—	—
EQUIPMENT AND APPLIANCES										
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*	—	—	—	—	—	—	—
FINANCIAL CHARACTERISTICS										
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 ¹	—	—	—	—	9	—
Rent asked	—	—	—	10 ¹	—	10	—	—	9	—
Inclusion of utilities in rent	—	—	—	—	—	—	—	—	—	10
HOUSEHOLD CHARACTERISTICS										
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†	—	—

¹Vacant 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.

INTRODUCTION—Continued

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

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."

CONTENTS

METROPOLITAN HOUSING CHARACTERISTICS

Kalamazoo, Mich.

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 100.]

page

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.]

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	—	—
Kalamazoo	B	10 to 18	—	—

CONTENTS—Continued

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[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]

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Counties, Standard Metropolitan Statistical Areas, and Selected Places



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)
Specified renter occupied¹	16 406	273	266	513	674	2 612	2 934	3 730	3 538	1 094	69	703	125
ROOMS													
1 room	423	117	81	58	21	99	26	16	-	-	-	5	62
2 rooms	1 077	36	57	175	152	284	145	155	26	5	-	42	85
3 rooms	3 838	73	80	168	262	1 120	898	746	330	77	-	84	104
4 rooms	5 511	30	33	79	158	646	1 027	1 344	1 582	479	-	133	136
5 rooms	2 987	4	10	22	54	298	456	827	892	259	5	160	141
6 rooms	1 475	13	5	11	27	115	229	435	391	129	5	115	139
7 rooms	723	-	-	-	-	33	117	133	228	85	29	98	156
8 rooms or more	372	-	-	-	-	17	36	74	89	60	30	66	165
Median	4.0	2.0	2.4	2.6	3.1	3.3	3.9	4.2	4.4	4.5	...	5.0	...
PERSONS													
1 person	4 367	236	205	350	427	990	686	711	532	53	5	172	97
2 persons	5 565	25	47	104	164	970	1 107	1 402	1 371	157	5	213	126
3 persons	2 895	-	5	30	52	386	608	667	724	267	17	139	133
4 persons	1 988	8	9	23	12	124	281	479	519	455	10	68	152
5 persons	781	4	-	3	9	93	100	222	192	96	21	41	142
6 persons or more	810	-	-	3	10	49	152	249	200	66	11	70	139
Median	2.2	1.1	1.1	1.2	1.3	1.8	2.2	2.3	2.4	3.7	...	2.3	...
Units with roomers, boarders, or lodgers	886	4	9	29	22	100	109	149	232	226	6	-	155
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities													
0.50 or less	15 680	127	172	376	624	2 476	2 868	3 699	3 531	1 089	69	649	127
0.51 to 1.00	7 884	84	116	278	464	1 254	1 333	1 753	1 915	282	26	379	124
1.01 to 1.50	6 945	35	51	84	140	1 107	1 356	1 710	1 451	719	43	249	130
1.51 or more	688	8	5	14	15	83	134	206	129	76	-	18	131
Median	163	-	-	-	5	32	45	30	36	12	-	3	119
Lacking some or all plumbing facilities													
0.50 or less	726	146	94	137	50	136	66	31	7	5	-	54	67
0.51 to 1.00	325	43	27	80	34	49	39	10	-	-	-	43	69
1.01 to 1.50	351	99	62	43	10	87	18	21	-	5	-	6	63
1.51 or more	25	-	-	9	-	-	9	-	7	-	-	-	...
Median	25	4	5	5	6	-	-	-	-	-	-	5	...
BEDROOMS													
None	559	122	21	68	114	167	48	-	-	-	-	19	75
1	5 583	133	233	261	404	1 523	1 216	1 279	365	44	-	125	103
2	7 026	17	-	89	36	422	1 251	1 785	2 355	794	-	277	146
3 or more	3 242	17	-	-	40	255	506	741	906	447	46	284	147
YEAR STRUCTURE BUILT													
1969 to March 1970	652	35	-	-	-	11	109	229	145	105	-	18	141
1965 to 1968	2 703	5	11	5	28	25	228	441	1 458	469	10	23	170
1960 to 1964	1 362	-	-	-	5	118	70	358	529	163	7	112	157
1950 to 1959	1 880	10	27	-	53	255	251	584	461	104	18	117	135
1940 to 1949	1 780	19	30	57	92	349	445	482	243	19	4	40	115
1939 or earlier	8 029	204	198	451	496	1 854	1 831	1 636	702	234	30	393	107
ELEVATOR IN STRUCTURE													
4 floors or more	279	-	-	24	-	51	68	40	76	-	-	20	...
With elevator	123	-	-	-	-	51	46	26	-	-	-	-	...
Walk-up	156	-	-	24	-	-	22	14	76	-	-	20	...
1 to 3 floors	16 131	289	254	394	594	2 316	2 953	3 765	3 550	1 285	46	685	127
COMPLETE BATHROOMS													
1 and 1.2	14 914	124	161	368	624	2 481	2 690	3 625	3 301	954	26	560	126
2 or more	572	-	-	-	10	29	56	19	223	112	54	69	181
None or also used by another household	932	144	113	150	74	182	88	71	18	19	-	73	73
INCOME IN 1969													
Less than \$2,000	2 582	169	97	135	189	448	409	385	316	286	11	137	109
\$2,000 to \$2,999	1 333	46	16	62	86	251	199	277	181	150	5	60	118
\$3,000 to \$3,999	1 269	15	37	62	64	331	235	240	218	47	5	35	111
\$4,000 to \$4,999	1 341	4	29	81	80	262	317	268	199	72	-	29	113
\$5,000 to \$5,999	1 305	13	18	61	40	282	311	313	172	62	-	33	114
\$6,000 to \$6,999	1 230	8	20	52	55	285	218	264	236	37	-	55	115
\$7,000 to \$9,999	3 454	13	19	59	123	471	741	926	815	123	5	159	127
\$10,000 to \$14,999	2 758	5	20	21	27	215	410	828	879	190	12	151	142
\$15,000 to \$24,999	931	-	5	-	10	57	80	191	435	87	23	39	162
\$25,000 or more	203	-	5	-	-	10	14	38	36	8	-	5	168
Median	\$6 300	\$2 000-	\$3 500	\$4 200	\$4 000	\$5 000	\$6 000	\$7 400	\$8 600	\$4 900	...	\$7 000	...
YEAR MOVED INTO UNIT													
1969 to March 1970	9 656	142	87	199	286	1 486	1 714	2 392	2 308	851	53	138	131
1968	2 529	-	31	76	106	350	432	626	660	139	27	82	131
1967	1 127	13	19	25	58	192	170	245	296	47	-	62	127
1965 and 1966	1 052	20	22	70	99	201	142	212	139	27	-	120	108
1960 to 1964	1 118	25	68	69	86	300	173	161	115	14	-	107	96
1950 to 1959	688	58	42	55	67	141	145	60	18	-	-	102	88
1949 or earlier	248	10	5	24	6	22	58	19	6	-	-	91	104
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	842	38	48	49	57	198	157	147	119	25	4	...	104
10 to 14 percent	2 514	9	51	128	138	450	537	637	514	50	-	...	118
15 to 19 percent	2 958	31	33	91	74	529	621	783	691	91	14	...	124
20 to 24 percent	1 974	14	31	37	76	273	371	552	505	102	13	...	130
25 to 34 percent	2 375	28	6	37	86	415	462	551	655	123	12	...	128
35 percent or more	4 788	137	97	161	233	707	745	1 001	1 010	677	20	...	129
Not computed	955	16	-	10	10	40	41	59	44	26	6	703	125
AIR CONDITIONING													
Room unit(s)	3 201	14	13	39	72	144	252	712	1 274	541	13	127	161
Central system	1 150	13	-	-	-	19	39	88	811	146	5	29	175
None	12 067	241	261	479	636	2 529	2 543	2 915	1 457	398	62	546	113

¹Excludes 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	
Owner occupied housing units	42 481	2 821	1 580	1 467	1 297	1 402	1 654	7 917	12 979	8 890	2 474	11 200
ROOMS												
1 and 2 rooms	207	70	19	15	8	6	32	23	28	6	—	4 000
3 rooms	818	152	79	92	44	70	40	152	133	32	24	5 600
4 rooms	5 888	702	394	420	358	251	411	1 388	1 370	520	74	7 900
5 rooms	12 363	755	446	452	389	476	520	2 727	4 326	1 958	314	10 500
6 rooms	11 059	620	399	255	251	378	409	1 991	3 661	2 612	483	11 700
7 rooms or more	12 146	522	243	233	247	221	242	1 636	3 461	3 762	1 579	13 900
PERSONS												
1 person	5 059	1 723	746	458	340	301	324	647	335	113	72	3 100
2 persons	11 765	667	620	751	659	610	664	2 232	3 133	1 789	639	9 600
3 and 4 persons	14 875	286	167	173	199	387	3 053	5 548	3 779	954	12 600	
5 persons	5 682	73	16	44	50	79	163	1 062	2 095	1 627	473	13 200
6 persons or more	5 100	72	31	41	49	82	116	923	1 868	1 582	336	13 300
Units with roomers, boarders, or lodgers	735	106	60	65	17	49	20	149	156	77	36	8 000
BEDROOMS												
Less than 3	13 166	1 216	928	949	509	768	808	3 254	3 093	1 433	208	8 300
3	20 635	1 009	709	379	483	348	816	4 046	7 638	4 234	973	11 700
4 or more	8 665	393	220	174	218	126	135	1 356	2 181	2 733	1 129	13 900
YEAR STRUCTURE BUILT												
1969 to March 1970	878	46	9	—	21	45	14	208	247	257	31	11 900
1960 to 1968	9 253	243	123	158	148	153	242	1 447	3 215	2 747	777	13 300
1950 to 1959	11 330	422	321	295	301	369	373	2 287	3 794	2 474	694	11 700
1949 or earlier	21 020	2 110	1 127	1 014	827	835	1 025	3 975	5 723	3 412	972	9 700
YEAR MOVED INTO UNIT												
1969 to March 1970	4 420	171	77	138	163	174	210	1 055	1 314	946	172	10 800
1968	3 648	91	55	82	98	162	769	1 272	1 798	798	249	11 900
1960 to 1967	16 168	734	363	300	334	418	527	2 869	5 680	3 924	1 019	12 200
1959 or earlier	18 242	1 889	1 047	913	749	800	748	2 921	4 730	3 374	1 071	10 100
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	28 487	1 116	667	631	502	648	923	5 403	9 531	6 984	2 082	12 300
Clothes dryer	28 886	858	511	663	560	646	866	5 631	9 749	7 271	2 131	12 400
Dishwasher	9 579	203	90	88	47	60	210	1 176	2 739	3 385	1 581	15 500
Home food freezer	18 119	696	405	540	449	345	578	3 350	5 961	4 442	1 353	12 300
Owned second home	3 026	68	91	40	65	88	83	436	697	966	492	14 600
With air conditioning	7 686	300	142	171	167	149	215	1 100	2 331	2 249	862	13 400
Room unit(s)	6 020	227	128	146	143	143	179	928	2 910	1 625	460	12 700
Central system	1 666	73	14	25	24	6	36	172	290	624	402	18 100
Automobiles available:												
1	19 043	1 477	979	1 003	937	994	1 138	4 707	5 259	2 142	407	8 900
2	17 591	210	88	151	195	282	384	2 503	6 832	5 371	1 575	13 600
3 or more	3 190	22	20	24	35	78	26	194	813	1 456	522	17 600
Renter occupied housing units	16 925	2 629	1 344	1 293	1 363	1 369	1 280	3 566	2 907	962	212	6 400
ROOMS												
1 room	429	179	52	42	20	52	29	40	15	—	—	2 700
2 rooms	1 077	335	108	110	89	111	97	152	60	5	10	3 900
3 rooms	3 892	668	395	385	395	391	316	765	450	107	20	5 300
4 rooms	5 599	780	465	472	485	411	390	1 139	1 041	359	57	6 500
5 rooms	3 094	355	216	138	187	213	210	753	731	222	69	7 900
6 rooms or more	2 834	312	108	146	187	191	238	717	610	269	56	8 000
PERSONS												
1 person	4 430	1 245	535	472	456	342	301	614	319	104	42	3 900
2 persons	5 678	673	399	412	455	432	470	1 227	1 157	393	60	7 000
3 and 4 persons	5 083	597	393	327	346	476	375	1 206	972	315	76	7 100
5 persons	883	58	8	38	55	56	66	245	250	83	24	9 000
6 persons or more	851	56	9	44	51	63	68	274	209	67	10	8 500
Units with roomers, boarders, or lodgers	900	343	109	85	77	37	65	134	31	13	6	3 000
BEDROOMS												
None	559	353	69	23	23	51	40	—	—	—	—	2000—
1	5 607	925	582	574	612	538	373	1 142	631	173	57	5 200
2	7 143	1 010	512	382	638	490	370	1 508	1 561	532	140	7 300
3 or more	3 631	404	99	282	189	260	306	700	987	351	53	8 200
YEAR STRUCTURE BUILT												
1969 to March 1970	679	130	46	72	47	70	51	123	110	25	5	5 600
1960 to 1968	4 099	490	322	252	209	272	221	849	895	487	102	8 000
1950 to 1959	1 956	152	87	100	191	172	172	506	461	139	22	7 900
1949 or earlier	10 191	1 857	889	869	916	901	836	2 088	1 441	311	83	5 600
YEAR MOVED INTO UNIT												
1969 to March 1970	9 919	1 708	908	753	854	822	806	2 140	1 479	394	55	5 900
1968	2 562	174	129	224	186	134	200	619	570	251	75	8 100
1960 to 1967	3 449	510	235	235	236	297	267	686	659	256	68	6 800
1959 or earlier	998	264	96	65	59	105	53	156	139	54	7	5 100
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹	16 406	2 582	1 333	1 269	1 341	1 305	1 230	3 454	2 758	931	203	6 300
Less than 15 percent	3 356	—	4	—	16	76	124	765	1 379	798	194	12 500
15 to 19 percent	2 958	—	16	31	112	189	395	1 173	965	73	4	8 900
20 to 24 percent	1 974	—	24	62	200	368	259	838	202	21	—	7 300
25 to 34 percent	2 375	16	83	404	549	451	346	465	61	—	—	5 300
35 percent or more	4 788	2 177	1 146	737	435	188	51	54	—	—	—	2 200
Not computed	955	389	60	35	29	33	55	159	151	39	5	3 800
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	4 560	547	93	199	262	294	185	1 070	1 332	430	148	9 000
Clothes dryer	3 985	393	111	95	197	241	211	1 009	1 153	427	148	9 200
Dishwasher	1 219	110	17	18	20	64	23	300	375	274	18	10 800
Home food freezer	1 667	69	39	196	116	91	27	483	430	127	89	8 800
Owned second home	638	189	104	48	15	—	23	87	128	21	23	3 500
With air conditioning	4 455	588	402	232	210	259	297	961	907	466	133	7 700
Room unit(s)	3 283	468	344	193	158	219	241	709	619	270	62	7 100
Central system	1 172	120	58	39	52	40	56	252	288	196	71	9 600
Automobiles available:												
1	9 718	1 121	625	675	934	979	940	2 563	1 430	381	70	6 600
2	3 578	306	133	122	99	169	203	773	1 237	441	95	9 900
3 or more	860	207	78	90	56	52	44	104	129	74	26	5 000

¹Excludes 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	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
Owner occupied housing units	42 481	41 662	21 025	18 448	1 931	258	819	596	154	44	25
PERSONS											
1 person	5 059	4 739	4 713	26	-	-	320	315	5	-	-
2 persons	11 765	11 498	11 149	342	-	7	267	236	25	-	6
3 persons	6 886	6 821	3 530	3 288	3	-	65	34	31	-	-
4 persons	7 989	7 919	1 194	6 677	37	11	70	11	59	-	-
5 persons	5 682	5 643	439	4 939	251	14	39	-	19	20	19
6 persons or more	5 100	5 042	-	3 176	1 640	226	58	-	15	24	19
Median	3.1	3.2	2.0	4.3	6.6	7.5+	1.8	1.4	3.8	...	...
Units with roomers, boarders, or lodgers	735	727	322	349	39	17	8	8	-	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	796	796	353	426	17	-	-	-	-	-	-
1965 to 1968	4 091	4 085	1 708	2 288	89	-	6	6	-	-	-
1960 to 1964	5 320	5 272	2 045	2 921	298	8	48	28	20	-	-
1950 to 1959	11 148	11 002	4 722	5 437	787	56	146	100	39	7	-
1940 to 1949	5 515	5 370	2 630	2 442	229	69	145	108	18	13	6
1939 or earlier	15 608	15 094	9 491	4 927	546	130	514	411	84	11	8
INCOME IN 1969											
Less than \$2,000	2 821	2 569	2 188	331	33	17	252	216	23	4	9
\$2,000 to \$2,999	1 580	1 487	1 288	185	14	-	93	88	5	-	-
\$3,000 to \$3,999	1 467	1 393	1 150	220	6	17	74	57	17	-	-
\$4,000 to \$4,999	1 297	1 263	1 021	202	40	-	34	20	-	8	6
\$5,000 to \$5,999	1 402	1 352	941	352	53	6	50	42	8	-	-
\$6,000 to \$6,999	1 654	1 614	993	558	54	9	40	30	10	-	-
\$7,000 to \$9,999	7 917	7 782	3 521	3 727	486	48	135	82	40	9	4
\$10,000 to \$14,999	12 979	12 930	4 930	7 117	785	98	49	24	14	11	-
\$15,000 to \$24,999	8 890	8 803	3 619	4 736	385	63	87	32	37	12	6
\$25,000 or more	2 474	2 469	1 374	1 020	75	-	5	5	-	-	-
Median	\$11 200	\$11 300	\$9 500	\$12 600	\$11 800	\$11 600	\$3 900	\$2 900	\$8 100	...	...
VALUE-INCOME RATIO											
Specified owner occupied ¹											
Less than 1.5	36 490	35 883	17 709	16 209	1 739	226	607	458	109	21	19
1.5 to 1.9	16 040	15 849	6 417	7 982	1 103	147	191	109	51	21	10
2.0 to 2.4	7 870	7 813	3 269	4 138	366	40	57	47	10	-	-
2.5 to 2.9	4 071	4 010	1 948	1 946	116	-	61	36	25	-	-
3.0 to 3.9	2 384	2 324	1 312	941	57	14	60	50	10	-	-
4.0 or more	2 076	2 005	1 352	600	39	14	65	56	5	5	4
Not computed	3 745	3 572	2 966	537	58	11	173	160	8	-	5
Heating equipment	310	310	245	65	-	-	-	-	-	-	-
HEATING EQUIPMENT											
Steam or hot water	3 051	3 023	1 526	1 368	108	21	28	20	4	4	-
Warm-air furnace	35 145	34 745	17 434	15 563	1 554	194	400	277	91	27	5
Built-in electric units	347	337	169	155	9	4	10	-	10	-	-
Floor, wall, or pipeless furnace	1 225	1 178	555	526	83	14	47	42	5	-	-
Other means	2 703	2 374	1 336	836	177	25	329	252	44	13	20
None	10	5	5	-	-	-	5	5	-	-	-
Renter occupied housing units	16 925	16 175	8 099	7 182	731	163	750	344	351	30	25
PERSONS											
1 person	4 430	3 916	3 764	152	-	-	514	272	242	-	-
2 persons	5 678	5 554	3 674	1 870	-	10	124	51	59	-	14
3 persons	2 982	2 939	557	2 355	27	-	43	21	22	-	-
4 persons	2 101	2 059	87	1 811	151	10	42	-	17	20	5
5 persons	883	872	17	653	168	34	11	-	11	-	-
6 persons or more	851	835	-	341	385	109	16	-	-	10	6
Median	2.2	2.3	1.6	3.2	5.6	6.9	1.2	1.1	1.2	...	...
Units with roomers, boarders, or lodgers	900	889	376	476	28	9	11	-	6	-	5
YEAR STRUCTURE BUILT											
1969 to March 1970	686	686	212	465	5	4	-	-	-	-	-
1965 to 1968	2 686	2 678	1 320	1 280	68	10	8	-	8	-	-
1960 to 1964	1 397	1 397	747	601	49	-	-	-	-	-	-
1950 to 1959	2 016	1 936	791	1 047	90	8	80	48	24	8	-
1940 to 1949	1 862	1 819	804	860	106	49	43	13	26	4	-
1939 or earlier	8 281	7 644	4 155	3 077	315	97	637	285	299	27	26
INCOME IN 1969											
Less than \$2,000	2 629	2 318	1 379	852	82	5	311	154	153	-	4
\$2,000 to \$2,999	1 344	1 260	762	465	29	4	84	35	44	-	5
\$3,000 to \$3,999	1 293	1 221	682	465	66	8	72	25	38	9	-
\$4,000 to \$4,999	1 363	1 285	709	508	62	6	78	47	25	6	-
\$5,000 to \$5,999	1 369	1 313	533	690	81	9	56	27	29	-	-
\$6,000 to \$6,999	1 280	1 246	598	574	49	25	34	13	16	5	-
\$7,000 to \$9,999	3 566	3 510	1 531	1 720	195	64	56	17	23	10	6
\$10,000 to \$14,999	2 907	2 869	1 303	1 406	133	27	38	15	13	-	10
\$15,000 to \$24,999	962	951	495	417	24	15	11	6	5	-	-
\$25,000 or more	212	202	107	85	10	-	10	5	5	-	-
Median	\$6 400	\$6 600	\$6 000	\$7 100	\$6 900	\$8 100	\$2 800	\$2 500	\$2 500	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²											
Less than 10 percent	16 406	15 680	7 884	6 945	688	163	726	325	351	25	25
10 to 14 percent	842	784	372	352	42	18	58	25	22	-	11
15 to 19 percent	2 514	2 439	1 163	1 122	111	43	75	37	35	3	-
20 to 24 percent	2 958	2 881	1 339	1 423	90	29	77	32	39	6	-
25 to 34 percent	1 974	1 912	887	895	119	11	62	25	37	-	-
35 percent or more	2 375	2 275	1 155	977	103	40	100	31	53	16	-
Not computed	4 788	4 503	2 475	1 809	200	19	285	132	144	-	9
Heating equipment	955	886	493	367	23	3	69	43	21	-	5
HEATING EQUIPMENT											
Steam or hot water	3 955	3 730	2 006	1 605	97	22	225	75	145	-	5
Warm-air furnace	10 192	9 834	4 918	4 331	497	88	358	161	175	13	9
Built-in electric units	743	743	290	424	15	14	-	-	-	-	-
Floor, wall, or pipeless furnace	494	478	198	249	31	-	16	9	4	3	-
Other means	1 541	1 390	687	573	91	39	151	99	27	14	11
None	-	-	-	-	-	-	-	-	-	-	-

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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
Owner occupied housing units	42 481	57	150	818	5 888	12 363	11 059	6 059	6 087	5.7
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	41 355	60	103	765	5 481	12 127	10 951	5 793	6 075	5.7
PERSONS										
1 person	5 059	31	77	312	1 486	1 376	976	467	334	5.0
2 persons	11 765	13	55	312	2 518	3 666	2 975	1 301	925	5.3
3 persons	6 886	-	3	120	847	2 352	1 939	878	747	5.6
4 persons	7 989	-	11	37	607	2 521	2 228	1 380	1 205	5.9
5 persons	5 682	-	4	10	271	1 556	1 539	1 046	1 256	6.1
6 persons or more	5 100	13	-	27	159	892	1 402	987	1 620	6.6
Median	3.1	...	1.5	1.8	2.1	3.0	3.3	3.8	4.4	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	41 662	46	111	776	5 663	12 163	10 905	5 977	6 021	5.7
0.50 or less	21 025	-	53	288	3 827	4 914	5 765	2 588	3 590	5.7
0.51 to 1.00	18 448	26	40	418	1 434	6 378	4 677	3 145	2 330	5.7
1.01 to 1.50	1 931	-	3	37	362	782	428	218	101	5.2
1.51 or more	258	20	15	33	40	89	35	26	-	4.7
Lacking some or all plumbing facilities	819	11	39	42	225	200	154	82	66	5.0
0.50 or less	596	-	24	24	177	128	125	58	60	5.1
0.51 to 1.00	154	5	15	14	20	51	25	24	-	5.0
1.01 to 1.50	44	-	-	-	24	10	4	-	6	...
1.51 or more	25	6	-	4	4	11	-	-	-	...
BEDROOMS										
None and 1	1 375	-	135	451	652	79	58	-	-	3.7
2	11 791	-	-	252	5 382	4 850	1 030	237	40	4.6
3	20 635	-	-	-	235	7 065	8 413	3 753	1 169	5.9
4 or more	8 665	-	-	-	-	141	1 187	2 612	4 725	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	878	-	-	25	191	267	144	65	186	5.3
1960 to 1968	9 253	-	30	111	1 046	2 507	2 142	1 380	2 037	5.9
1950 to 1959	11 330	13	33	183	1 856	4 611	2 696	1 065	873	5.3
1949 or earlier	21 020	44	87	499	2 795	4 978	6 077	3 549	2 991	5.8
COMPLETE BATHROOMS										
1 and 1 1/2	35 061	60	91	730	5 318	11 395	9 538	4 642	3 287	5.5
2 or more	6 338	-	12	41	183	744	1 413	1 151	2 794	7.2
None or also used by another household	1 079	13	60	67	289	275	213	102	60	4.9
VALUE-INCOME RATIO										
Specified owner occupied¹	36 490	23	68	502	4 356	10 777	10 031	5 428	5 305	5.8
Less than 1.5	16 040	6	39	233	2 004	4 771	4 605	2 326	2 056	5.7
1.5 to 1.9	7 870	7	5	70	667	2 412	2 297	1 145	1 267	5.8
2.0 to 2.9	6 455	-	13	75	624	1 802	1 661	1 058	1 222	5.9
3.0 or more	5 815	10	11	106	994	1 704	1 416	840	734	5.6
Not computed	310	-	-	18	67	88	52	59	26	5.3
Renter occupied housing units	16 925	429	1 077	3 892	5 599	3 094	1 573	818	443	4.0
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	15 833	125	886	3 689	5 454	2 974	1 514	716	475	4.1
PERSONS										
1 person	4 430	394	734	1 619	1 213	285	105	54	26	3.2
2 persons	5 678	24	312	1 617	2 181	1 089	283	133	39	3.9
3 persons	2 982	-	27	434	1 224	719	324	170	84	4.3
4 persons	2 101	11	4	171	705	530	384	209	87	4.8
5 persons	883	-	-	34	168	277	225	108	71	5.4
6 persons or more	851	-	-	17	108	194	252	144	136	5.9
Median	2.2	1.0	1.2	1.7	2.2	2.7	3.7	3.7	4.3	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	16 175	168	923	3 746	5 503	3 053	1 542	801	439	4.1
0.50 or less	8 099	-	605	1 532	3 331	1 351	691	340	249	4.1
0.51 to 1.00	7 182	152	287	2 012	1 909	1 511	717	421	173	4.1
1.01 to 1.50	731	-	27	151	221	153	122	40	17	4.3
1.51 or more	163	16	4	51	42	38	12	-	-	3.8
Lacking some or all plumbing facilities	750	261	154	146	96	41	31	17	4	3.2
0.50 or less	344	-	129	87	63	23	21	17	4	3.0
0.51 to 1.00	351	242	25	39	20	15	10	-	-	1.2
1.01 to 1.50	30	-	-	20	7	3	-	-	-	...
1.51 or more	25	19	-	-	6	-	-	-	-	...
BEDROOMS										
None	559	359	131	69	-	-	-	-	-	1.3
1	5 607	-	949	3 163	1 292	157	46	-	-	3.1
2	7 143	-	-	407	4 385	2 065	216	70	-	4.2
3 or more	3 631	-	-	-	95	1 112	1 251	877	296	6.0
YEAR STRUCTURE BUILT										
1969 to March 1970	679	21	77	242	232	81	18	4	4	3.5
1960 to 1968	4 099	24	168	910	1 954	778	150	66	49	4.0
1950 to 1959	1 956	-	45	375	762	447	210	78	39	4.2
1949 or earlier	10 191	384	787	2 365	2 651	1 788	1 195	670	351	4.1
COMPLETE BATHROOMS										
1 and 1 1/2	15 361	182	894	3 706	5 374	2 768	1 478	609	350	4.0
2 or more	592	8	-	17	87	212	36	107	125	5.4
None or also used by another household	975	264	160	227	162	66	71	21	4	2.8
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	16 406	423	1 077	3 838	5 511	2 987	1 475	723	372	4.0
Less than 10 percent	842	28	35	193	247	180	82	46	31	4.2
10 to 14 percent	2 514	42	190	580	855	482	252	94	19	4.0
15 to 19 percent	2 958	39	154	683	1 029	631	257	129	36	4.1
20 to 24 percent	1 974	64	71	473	674	387	192	74	39	4.1
25 to 34 percent	2 375	46	170	597	817	370	254	82	39	4.0
35 percent or more	4 788	193	390	1 159	1 686	739	308	176	137	3.9
Not computed	955	11	67	153	203	198	130	122	71	4.7

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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	42 481	39 862	1 414	1 205	16 925	5 672	3 219	2 144	1 780	1 913	1 973	224
ROOMS												
1 room	57	45	12	-	429	25	17	37	113	44	188	5
2 rooms	150	88	20	42	1 077	58	95	282	276	180	108	78
3 rooms	818	533	162	123	3 892	537	791	810	589	600	528	37
4 rooms	5 888	4 674	423	791	5 599	1 230	1 387	696	597	753	865	71
5 rooms	12 363	11 714	439	210	3 094	1 496	621	254	165	303	227	28
6 rooms	11 059	10 842	182	35	1 573	1 194	232	52	27	19	44	5
7 rooms	6 059	5 981	74	4	818	707	76	4	4	14	13	-
8 rooms or more	6 087	5 985	102	-	443	425	-	9	9	-	-	-
Median	5.7	5.8	4.7	4.1	4.0	5.2	4.0	3.4	3.4	3.7	3.7	3.3
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	41 662	39 142	1 342	1 178	16 175	5 496	3 160	2 043	1 614	1 836	1 812	214
0.50 or less	21 025	19 366	912	747	8 099	2 272	1 661	1 233	1 103	912	820	98
0.51 to 1.00	18 448	17 634	396	418	7 182	2 784	1 262	747	498	882	906	103
1.01 to 1.50	1 931	1 901	22	8	371	374	179	44	13	34	74	13
1.51 or more	258	241	12	5	163	66	58	19	-	8	12	-
Lacking some or all plumbing facilities	819	720	72	27	750	176	59	101	166	77	161	10
0.50 or less	596	532	49	15	344	118	26	65	83	35	12	5
0.51 to 1.00	154	123	19	12	351	22	29	36	83	37	144	-
1.01 to 1.50	44	40	4	-	30	30	-	-	-	-	-	-
1.51 or more	25	25	-	-	25	6	4	-	-	5	5	5
BEDROOMS												
None	-	-	-	-	559	19	-	68	159	93	220	-
1	1 375	938	323	114	5 607	709	1 347	1 241	807	686	698	119
2	11 791	10 174	497	1 120	7 143	1 859	1 485	598	655	1 230	1 248	68
3	20 635	20 229	340	66	2 951	2 357	264	132	88	26	62	22
4 or more	8 665	8 523	142	-	680	629	51	-	-	-	-	-
YEAR STRUCTURE BUILT												
1969 to March 1970	878	571	26	281	679	67	23	84	37	181	222	65
1965 to 1968	4 082	3 439	119	524	2 713	155	160	114	246	939	1 022	77
1960 to 1964	5 171	4 832	49	290	1 386	396	95	184	234	238	229	10
1950 to 1959	11 330	11 157	84	89	1 956	1 197	240	74	174	156	74	41
1940 to 1949	5 506	5 451	51	4	1 846	913	357	210	209	95	47	15
1939 or earlier	15 514	14 412	1 085	17	8 345	2 944	2 344	1 478	880	304	379	16
INCOME IN 1969												
Less than \$2,000	2 821	2 481	232	108	2 629	632	491	430	301	304	432	39
\$2,000 to \$2,999	1 580	1 424	85	71	1 344	281	289	247	173	140	205	9
\$3,000 to \$3,999	1 467	1 280	110	77	1 293	292	283	197	156	147	168	50
\$4,000 to \$4,999	1 297	1 131	106	60	1 363	425	252	225	203	142	111	5
\$5,000 to \$5,999	1 402	1 267	83	52	1 369	438	290	157	145	120	192	27
\$6,000 to \$6,999	1 654	1 496	68	90	1 280	449	267	182	120	140	107	15
\$7,000 to \$9,999	7 917	7 337	222	358	3 566	1 461	679	398	332	324	335	37
\$10,000 to \$14,999	12 979	12 339	363	277	2 907	1 270	502	219	248	387	245	36
\$15,000 to \$24,999	8 890	8 691	113	86	962	364	139	63	80	181	129	6
\$25,000 or more	2 474	2 416	32	26	212	60	27	26	22	28	49	-
Median	\$11 200	\$11 400	\$7 300	\$8 200	\$6 400	\$7 700	\$6 000	\$4 900	\$5 400	\$6 700	\$5 400	\$5 300
YEAR MOVED INTO UNIT												
1969 to March 1970	4 420	3 687	221	512	9 919	2 791	1 873	1 306	1 076	1 320	1 362	191
1968	3 648	3 272	137	239	2 562	914	567	278	215	291	288	9
1967	3 163	3 007	82	74	1 183	474	269	98	133	143	66	-
1965 and 1966	5 492	5 188	122	182	1 114	590	158	153	98	35	66	14
1960 to 1964	7 513	7 282	121	110	1 152	455	163	226	138	63	107	-
1950 to 1959	10 385	9 995	348	42	671	232	126	118	105	44	32	14
1949 or earlier	7 857	7 434	416	7	327	205	47	19	13	7	36	-
GROSS RENT												
Specified renter occupied¹ .....	...	...	...	...	16 406	5 153	3 219	2 144	1 780	1 913	1 973	224
Less than \$50 .....	...	...	...	...	273	53	33	55	67	14	46	5
\$50 to \$59 .....	...	...	...	...	266	52	36	68	28	9	57	16
\$60 to \$69 .....	...	...	...	...	513	58	136	130	116	56	17	-
\$70 to \$79 .....	...	...	...	...	674	115	162	196	137	30	29	5
\$80 to \$89 .....	...	...	...	...	2 612	480	701	609	350	304	152	16
\$100 to \$119 .....	...	...	...	...	2 934	905	910	402	242	145	297	33
\$120 to \$149 .....	...	...	...	...	3 730	1 498	728	367	439	315	289	94
\$150 to \$199 .....	...	...	...	...	3 538	1 066	347	255	347	821	674	28
\$200 to \$299 .....	...	...	...	...	1 094	345	88	54	37	172	387	11
\$300 or more .....	...	...	...	...	69	59	-	-	5	-	-	5
No cash rent .....	...	...	...	...	703	522	78	8	12	47	25	11
Median .....	...	...	...	...	\$125	\$133	\$111	\$100	\$115	\$154	\$156	\$130
HEATING EQUIPMENT												
Steam or hot water	3 051	2 852	199	-	3 955	281	344	488	743	927	1 172	-
Warm-air furnace	35 145	33 042	1 114	989	10 192	4 073	2 409	1 434	880	719	508	169
Built-in electric units	347	318	14	15	743	105	62	33	88	216	234	5
Floor, wall, or pipeless furnace	1 225	1 139	9	77	494	292	65	49	15	26	26	21
Other means	2 703	2 501	78	124	1 541	921	339	140	54	25	33	29
None	10	10	-	-	-	-	-	-	-	-	-	-
AIR CONDITIONING												
Room unit(s)	6 020	5 635	207	178	3 283	485	306	188	408	763	1 117	16
Central system	1 666	1 571	27	68	1 172	160	66	99	116	484	247	-
None	34 792	32 659	1 213	920	12 473	5 016	2 831	1 911	1 254	656	593	212
AUTOMOBILES AVAILABLE												
1	19 043	17 568	773	702	9 718	3 168	1 871	1 255	1 091	1 138	1 054	141
2	17 591	16 867	372	352	3 578	1 556	569	315	231	437	396	74
3 or more	3 190	3 144	40	6	860	359	61	34	35	138	227	6
None	2 654	2 286	262	106	2 772	578	702	594	421	190	280	7

¹Excludes 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		
Owner occupied housing units	42 481	1 156	7 179	8 363	13 187	3 728	882	255	2 027	645	2 294	2 765
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	41 662	1 143	7 144	8 308	12 976	3 628	874	227	2 004	619	2 201	2 538
0.50 or less	21 025	479	1 589	1 474	7 308	3 190	424	191	1 157	500	2 195	2 518
0.51 to 1.00	18 448	645	4 959	5 802	5 271	417	399	36	778	115	6	20
1.01 to 1.50	1 931	19	573	902	310	16	46	-	61	4	-	-
1.51 or more	258	-	23	130	87	5	-	-	8	-	-	-
Lacking some or all plumbing facilities	819	13	35	55	211	100	8	28	23	26	93	227
0.50 or less	596	4	10	10	113	85	4	18	17	20	88	227
0.51 to 1.00	154	9	21	24	60	15	4	4	6	6	5	-
1.01 to 1.50	44	-	4	12	28	-	-	-	-	-	-	-
1.51 or more	25	-	-	9	10	-	-	6	-	-	-	-
UNITS IN STRUCTURE												
1	39 862	851	6 800	8 189	12 708	3 520	815	230	1 882	596	1 831	2 440
2 or more	1 414	75	195	107	224	155	28	19	89	43	209	270
Mobile home or trailer	1 205	230	184	67	255	53	39	6	56	6	254	55
INCOME IN 1969												
Less than \$2,000	2 821	20	50	79	180	252	45	40	289	143	370	1 353
\$2,000 to \$2,999	1 580	17	29	29	95	407	23	35	134	65	190	556
\$3,000 to \$3,999	1 467	58	36	33	49	564	18	40	166	45	176	282
\$4,000 to \$4,999	1 297	58	48	51	174	434	16	19	124	33	231	109
\$5,000 to \$5,999	1 402	74	90	127	293	306	5	5	183	18	193	108
\$6,000 to \$6,999	1 654	98	251	131	394	244	41	15	137	19	259	65
\$7,000 to \$9,999	7 917	479	2 022	1 221	2 195	473	243	53	465	119	496	151
\$10,000 to \$14,999	12 979	314	3 119	3 293	4 555	579	261	37	364	122	264	71
\$15,000 to \$24,999	8 890	38	1 370	2 725	3 973	289	163	11	139	69	78	35
\$25,000 or more	2 474	-	164	674	1 279	180	67	-	26	12	37	35
Median	\$11 200	\$8 600	\$11 700	\$13 800	\$13 500	\$5 700	\$11 000	\$4 700	\$6 900	\$7 000	\$5 900	\$2 100
VALUE-INCOME RATIO												
Specified owner occupied¹	36 490	782	6 435	7 527	11 507	3 103	767	175	1 751	528	1 702	2 213
Less than 1.5	16 040	373	2 797	3 563	6 744	848	426	54	528	194	406	107
1.5 to 1.9	7 870	177	1 909	2 086	2 411	459	89	14	313	71	238	103
2.0 to 2.4	4 071	92	873	821	1 114	386	135	20	209	27	235	159
2.5 to 2.9	2 384	73	441	493	524	325	27	14	83	29	204	171
3.0 to 3.9	2 070	26	236	327	335	430	33	24	195	54	147	263
4.0 or more	3 745	41	179	233	354	644	47	49	334	149	392	1 323
Not computed	310	-	-	4	25	11	10	-	89	4	80	87
Renter occupied housing units	16 925	2 931	3 030	961	1 327	525	1 224	59	2 291	147	3 051	1 379
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	16 175	2 918	2 991	933	1 292	468	1 208	59	2 243	147	2 757	1 159
0.50 or less	8 099	925	874	168	532	353	532	49	807	95	2 632	1 132
0.51 to 1.00	7 182	1 866	1 844	628	654	104	606	10	1 280	38	125	27
1.01 to 1.50	731	111	232	112	73	11	60	-	123	9	-	-
1.51 or more	163	16	41	25	33	-	-	-	33	5	-	-
Lacking some or all plumbing facilities	750	13	39	28	35	57	16	-	48	-	294	220
0.50 or less	344	4	5	6	19	33	-	-	5	-	149	123
0.51 to 1.00	351	9	15	11	11	14	16	-	33	-	145	97
1.01 to 1.50	30	-	19	5	-	6	-	-	-	-	-	-
1.51 or more	25	-	-	6	5	4	-	-	10	-	-	-
UNITS IN STRUCTURE												
1	5 672	878	1 374	668	659	270	306	15	804	43	452	203
2 to 4	5 363	1 036	859	141	293	136	370	17	771	55	1 089	596
5 to 19	3 693	633	497	113	252	89	285	22	368	30	1 081	323
20 or more	1 973	326	278	24	108	30	231	5	318	19	404	230
Mobile home or trailer	224	58	22	15	15	-	32	-	30	-	25	27
GROSS RENT												
Specified renter occupied²	16 406	2 876	2 934	850	1 249	492	1 194	54	2 243	147	2 997	1 370
Less than \$50	273	12	5	-	-	8	8	-	4	-	88	148
\$50 to \$59	266	9	19	-	-	12	11	5	5	-	111	94
\$60 to \$69	513	18	14	6	35	27	26	-	29	8	243	107
\$70 to \$79	674	79	31	11	26	10	40	5	27	18	297	130
\$80 to \$99	2 612	569	339	68	149	38	78	5	349	27	694	296
\$100 to \$119	2 934	806	442	119	207	128	123	5	407	11	522	164
\$120 to \$149	3 730	866	841	233	198	51	208	19	586	17	550	161
\$150 to \$199	3 538	437	972	267	335	120	324	5	512	34	402	130
\$200 to \$299	1 094	46	136	75	110	10	358	5	284	17	25	28
\$300 or more	69	-	4	19	20	-	5	-	11	5	5	-
No cash rent	703	34	131	52	169	88	13	5	29	10	60	112
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied²	16 406	2 876	2 934	850	1 249	492	1 194	54	2 243	147	2 997	1 370
Less than \$5,000	6 525	751	308	67	115	265	752	29	1 462	90	1 507	1 179
Less than 20 percent	179	10	-	-	6	21	4	-	-	-	117	21
20 to 24 percent	286	49	12	6	6	10	16	-	40	-	118	29
25 to 34 percent	1 052	254	76	7	29	33	36	-	135	10	293	179
35 percent or more	4 495	407	208	45	57	130	642	29	1 189	74	878	836
Not computed	513	31	12	9	17	71	54	-	98	6	101	114
\$5,000 to \$9,999	5 989	1 562	1 237	362	455	148	335	15	621	34	1 081	139
Less than 20 percent	2 722	814	497	174	249	51	76	-	170	15	618	58
20 to 24 percent	1 465	410	343	42	55	35	89	5	172	9	282	23
25 to 34 percent	1 262	301	272	90	78	36	98	5	205	-	144	33
35 percent or more	293	18	36	22	20	10	72	-	70	-	28	17
Not computed	247	19	89	34	53	16	-	5	4	10	9	8
\$10,000 to \$14,999	2 758	492	1 035	226	444	39	75	5	107	16	305	14
Less than 20 percent	2 344	487	881	201	309	28	39	5	78	10	292	14
20 to 24 percent	202	-	115	21	36	4	6	-	8	6	6	-
25 percent or more	61	-	18	-	20	-	17	-	6	-	-	-
Not computed	151	5	21	4	79	7	13	-	15	-	7	-
\$15,000 or more	1 134	71	354	195	235	40	32	5	53	7	104	38
Less than 20 percent	1 069	71	340	182	202	40	32	5	53	7	104	33
20 to 24 percent	21	-	-	8	13	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	44	-	14	5	20	-	-	-	-	-	-	5

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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
Owner occupied housing units	42 481	5 059	11 765	6 886	7 989	5 682	2 976	1 259	865	3.1
BEDROOMS										
None and 1	1 375	530	742	24	21	36	22	-	-	1.7
2	11 791	2 479	5 217	2 398	1 127	408	77	42	43	2.2
3	20 635	1 511	4 684	3 727	5 183	3 216	1 362	593	359	3.6
4 or more	8 665	628	1 044	798	1 519	2 072	1 390	563	651	4.7
YEAR STRUCTURE BUILT										
1969 to March 1970	878	68	211	175	210	131	48	31	4	3.4
1965 to 1968	4 082	268	892	625	1 019	726	388	114	50	3.8
1960 to 1964	5 171	238	937	937	1 404	922	445	216	72	3.8
1950 to 1959	11 330	948	2 953	1 984	2 268	1 773	898	281	225	3.4
1940 to 1949	5 506	646	1 641	960	1 020	692	317	145	85	3.0
1939 or earlier	15 514	2 891	5 131	2 205	2 068	1 438	880	472	429	2.4
UNITS IN STRUCTURE										
1	39 862	4 271	10 782	6 441	7 741	5 588	2 939	1 245	855	3.3
2 or more	1 414	479	458	220	138	67	37	10	5	2.0
Mobile home or trailer	1 205	309	525	225	110	27	-	4	5	2.1
COMPLETE BATHROOMS										
1 and 1 1/2	35 061	4 211	10 133	5 866	6 348	4 537	2 373	962	631	3.0
2 and 2 1/2	5 680	421	1 138	788	1 379	945	548	294	167	3.9
3 or more	658	24	140	94	156	138	89	11	6	4.0
None or also used by another household	1 079	415	339	110	118	53	26	11	7	1.9
HOUSEHOLD COMPOSITION										
Two-or-more-person households	37 422	...	11 765	6 886	7 989	5 682	2 976	1 259	865	3.5
Male head, wife present, no nonrelatives	33 613	...	9 372	6 035	7 424	5 392	2 823	1 213	794	3.6
Under 25 years	1 156	...	372	488	233	49	10	4	-	2.9
25 to 34 years	7 179	...	697	1 303	2 477	1 622	730	244	106	4.1
35 to 44 years	8 363	...	522	856	2 162	2 181	1 529	643	470	4.8
45 to 64 years	13 187	...	5 230	2 916	2 465	1 499	541	318	218	3.0
65 years and over	3 728	...	3 111	472	87	41	13	4	4	2.1
Other male head	1 137	...	575	194	193	64	68	14	29	2.5
Under 65 years	882	...	372	158	181	64	37	10	29	2.9
65 years and over	255	...	203	36	12	-	-	4	-	2.1
Female head	2 672	...	1 258	657	372	226	85	32	42	2.6
Under 65 years	2 027	...	804	541	345	205	72	22	38	2.9
65 years and over	645	...	454	116	27	21	13	10	4	2.2
One-person households	5 059	5 059	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied ¹	36 490	3 915	9 761	5 900	7 212	5 179	2 632	1 132	759	3.3
Less than 1.5	16 040	513	4 118	3 174	3 335	2 424	1 447	624	405	3.6
1.5 to 1.9	7 870	341	1 881	1 300	1 929	1 370	603	265	181	3.7
2.0 to 2.4	4 071	394	1 058	651	880	668	270	99	51	3.4
2.5 to 2.9	2 384	375	669	289	452	333	139	58	69	3.0
3.0 to 3.9	2 070	410	775	212	277	220	101	44	31	2.3
4.0 or more	3 745	1 715	1 202	240	305	152	72	37	22	1.6
Not computed	310	167	58	34	34	12	-	5	-	1.4
Renter occupied housing units	16 925	4 430	5 678	2 982	2 101	883	405	257	189	2.2
BEDROOMS										
None	559	535	24	-	-	-	-	-	-	1.0
1	5 607	2 764	2 216	456	119	52	-	-	-	1.5
2	7 143	870	2 795	1 795	1 188	329	121	23	22	2.5
3 or more	3 631	153	728	661	951	454	289	228	167	3.8
YEAR STRUCTURE BUILT										
1969 to March 1970	679	137	284	138	94	17	9	-	-	2.2
1965 to 1968	2 713	572	1 076	546	420	71	23	5	-	2.2
1960 to 1964	1 386	304	533	306	165	49	26	3	-	2.2
1950 to 1959	1 956	265	667	502	253	139	76	38	16	2.6
1940 to 1949	1 846	427	645	305	230	150	24	36	29	2.3
1939 or earlier	8 345	2 725	2 473	1 185	939	457	247	175	144	2.1
UNITS IN STRUCTURE										
1	5 672	655	1 450	1 209	1 072	640	300	197	149	3.1
2	3 219	750	1 214	636	343	140	64	32	40	2.2
3 and 4	2 144	935	766	288	92	34	15	14	-	1.7
5 to 9	1 780	926	594	173	63	11	4	9	-	1.5
10 to 19	1 913	478	934	309	166	9	17	-	-	2.0
20 or more	1 973	634	610	321	359	39	5	5	-	2.1
Mobile home or trailer	224	52	110	46	6	10	-	-	-	2.0
COMPLETE BATHROOMS										
1 and 1 1/2	15 361	3 791	5 291	2 850	1 894	829	363	187	156	2.2
2 or more	592	69	182	120	92	51	24	54	-	2.9
None or also used by another household	975	603	168	67	77	27	10	9	14	1.3
HOUSEHOLD COMPOSITION										
Two-or-more-person households	12 495	...	5 678	2 982	2 101	883	405	257	189	2.7
Male head, wife present, no nonrelatives	8 774	...	3 906	2 097	1 386	718	341	200	126	2.7
Under 25 years	2 931	...	1 732	853	260	45	30	6	5	2.3
25 to 34 years	3 030	...	991	768	711	318	108	85	49	3.2
35 to 44 years	961	...	181	151	195	204	120	62	48	4.3
45 to 64 years	1 327	...	556	282	199	147	72	47	24	2.9
65 years and over	525	...	446	43	21	4	11	-	-	2.1
Other male head	1 283	...	648	279	295	35	-	21	5	2.5
Under 65 years	1 224	...	594	279	290	35	-	21	5	2.6
65 years and over	59	...	54	-	5	-	-	-	-	2.7
Female head	2 438	...	1 124	606	420	130	64	36	58	2.7
Under 65 years	2 291	...	1 014	603	410	117	64	25	58	2.7
65 years and over	147	...	110	3	10	13	-	11	-	2.2
One-person households	4 430	4 430	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	16 406	4 367	5 565	2 895	1 988	781	384	254	172	2.2
Less than 10 percent	842	163	336	155	77	51	38	10	12	2.3
10 to 14 percent	2 514	533	697	392	292	145	82	56	17	2.2
15 to 19 percent	2 958	561	1 137	598	366	176	67	32	21	2.3
20 to 24 percent	1 974	458	664	375	240	138	28	53	18	2.3
25 to 34 percent	2 375	649	604	433	255	99	34	67	34	2.2
35 percent or more	4 788	1 759	1 327	778	647	121	68	27	61	2.0
Not computed	955	244	300	164	111	51	67	9	9	2.3

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

²Excludes 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
Vacant for sale	389	96	167	126	Vacant for rent	1 152	685	306	161
ROOMS					ROOMS				
1 to 3 rooms	17	5	7	5	1 room	50	27	23	-
4 rooms	34	9	12	13	2 rooms	116	50	44	22
5 rooms	81	-	42	39	3 rooms	303	189	63	51
6 rooms	104	37	50	17	4 rooms	368	238	91	39
7 rooms or more	153	45	56	52	5 rooms	201	111	55	35
PLUMBING FACILITIES					6 rooms	54	39	15	-
With all plumbing facilities	366	96	164	106	7 rooms or more	60	31	15	14
Lacking some or all plumbing facilities	23	-	3	20	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	1 079	662	269	148
None and 1	-	-	-	-	Lacking some or all plumbing facilities	73	23	37	13
2	108	46	-	62	BEDROOMS				
3	236	26	164	46	None	46	31	15	-
4 or more	191	95	30	66	1	454	234	164	56
YEAR STRUCTURE BUILT					2	374	239	84	51
1969 to March 1970	38	5	14	19	3 or more	135	69	66	-
1960 to 1968	91	18	45	28	YEAR STRUCTURE BUILT				
1950 to 1959	80	18	51	11	1969 to March 1970	39	26	13	-
1949 or earlier	180	55	57	68	1960 to 1968	284	179	98	7
UNITS IN STRUCTURE					1950 to 1959	66	28	15	23
1	362	86	158	118	1949 or earlier	763	452	180	131
2 or more	27	10	9	8	UNITS IN STRUCTURE				
HEATING EQUIPMENT					1	276	141	78	57
Steam or hot water	23	5	7	11	2 to 4	416	224	104	88
Warm-air furnace	323	86	142	95	5 to 9	162	124	34	4
Built-in electric units	-	-	-	-	10 to 19	167	138	29	-
Floor, wall, or pipeless furnace	2	-	-	2	20 or more	131	58	61	12
Other means	36	5	18	13	RENT ASKED				
None	5	-	-	5	Specified vacant for sale¹	350	86	153	111
SALES PRICE ASKED					Less than \$5,000	15	-	3	12
Less than \$5,000	15	-	3	12	\$5,000 to \$9,999	79	18	28	33
\$5,000 to \$9,999	79	18	28	33	\$10,000 to \$14,999	84	25	40	19
\$10,000 to \$14,999	84	25	40	19	\$15,000 to \$19,999	41	11	22	8
\$15,000 to \$19,999	41	11	22	8	\$20,000 to \$24,999	41	11	17	13
\$20,000 to \$24,999	41	11	17	13	\$25,000 to \$34,999	41	11	21	9
\$25,000 to \$34,999	41	11	21	9	\$35,000 to \$49,999	29	4	8	17
\$35,000 to \$49,999	29	4	8	17	\$50,000 or more	20	6	14	-
\$50,000 or more	20	6	14	-	Median price asked	\$14 800	...	\$16 300	\$12 800
Median price asked	\$14 800	...	\$16 300	\$12 800	Specified vacant for rent²	1 141	681	303	157
					Less than \$50	48	18	23	7
					\$50 to \$59	17	5	6	6
					\$60 to \$79	156	70	15	71
					\$80 to \$99	253	136	86	31
					\$100 to \$119	217	137	63	17
					\$120 to \$149	246	159	62	25
					\$150 to \$199	166	126	40	-
					\$200 or more	38	30	8	-
					Median rent asked	\$109	\$116	\$107	\$78

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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 ¹							Rent asked - Vacant for rent ²						
	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
Total	350	94	84	41	41	41	49	1 141	65	156	253	463	166	38
PLUMBING FACILITIES														
With all plumbing facilities	403	98	27	39	110	110	19	960	-	144	219	380	172	45
Lacking some or all plumbing facilities	23	23	-	-	-	-	-	30	15	15	-	-	-	-
BEDROOMS														
None and 1	-	-	-	-	-	-	-	500	15	109	166	165	15	30
2	46	46	-	-	-	-	-	374	-	50	30	146	133	15
3	213	23	27	39	65	40	19	54	-	-	23	31	-	-
4 or more	167	52	-	-	45	70	-	62	-	-	-	38	24	-
YEAR STRUCTURE BUILT														
1969 to March 1970	33	-	-	-	9	2	22	39	-	-	-	30	9	-
1960 to 1968	91	-	15	20	10	19	27	281	5	5	41	102	116	12
1950 to 1959	78	14	25	17	12	10	-	62	-	14	10	25	13	-
1949 or earlier	148	80	44	4	10	10	-	759	60	137	202	306	28	26
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	265	10	42	71	109	25	8
2 to 4 .....	...	...	...	...	...	...	...	416	20	88	112	171	17	8
5 to 19 .....	...	...	...	...	...	...	...	329	25	26	37	118	109	14
20 or more .....	...	...	...	...	...	...	...	131	10	-	33	65	15	8
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	607	60	65	177	241	34	30
Some or no utilities included .....	...	...	...	...	...	...	...	534	5	91	76	222	132	8

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

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]

Kalamazoo	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	10 905	223	209	421	545	2 107	2 133	2 246	1 856	805	50	310	117
ROOMS													
1 room	357	107	72	58	16	94	-	5	-	-	-	5	60
2 rooms	903	31	40	166	121	284	124	95	21	5	-	16	84
3 rooms	2 730	53	69	119	209	876	708	410	202	50	-	34	101
4 rooms	3 532	20	18	61	138	553	715	760	816	399	-	52	129
5 rooms	1 710	4	10	13	39	190	307	506	374	182	5	80	135
6 rooms	929	8	-	4	22	77	169	288	245	67	-	49	137
7 rooms	451	-	-	-	-	28	74	113	131	50	24	31	149
8 rooms or more	293	-	-	-	-	5	36	69	67	52	21	43	161
Median	3.9	1.6	2.3	2.4	3.1	3.3	3.8	4.3	4.4	4.4	...	5.1	...
PERSONS													
1 person	3 363	202	173	306	367	889	511	471	302	49	5	88	90
2 persons	3 588	17	31	85	126	771	859	815	681	112	-	91	117
3 persons	1 759	-	5	10	30	283	438	372	361	183	17	60	127
4 persons	1 293	-	-	17	12	83	179	283	309	370	10	30	159
5 persons	403	4	-	3	-	45	49	127	101	51	10	13	142
6 persons or more	499	-	-	-	10	36	97	178	102	40	8	28	136
Median	2.1	1.1	1.1	1.2	1.2	1.7	2.1	2.3	2.4	3.7	...	2.2	...
Units with roomers, boarders, or lodgers	691	4	4	23	22	87	86	92	163	204	6	-	158
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	10 347	98	132	293	500	1 981	2 115	2 224	1 856	805	50	293	119
0.50 or less	5 427	75	91	215	399	1 065	1 031	1 133	1 005	211	21	181	115
0.51 to 1.00	4 379	23	41	64	95	824	949	943	777	530	29	104	125
1.01 to 1.50	416	-	-	14	6	66	103	127	43	52	-	5	124
1.51 or more	125	-	-	-	-	26	32	21	31	12	-	3	124
Lacking some or all plumbing facilities	558	125	77	128	45	126	18	22	45	12	17	65	65
0.50 or less	237	28	19	80	34	44	14	6	-	-	-	12	68
0.51 to 1.00	301	93	58	43	5	82	4	16	-	-	-	6	60
1.01 to 1.50	-	-	-	-	-	-	-	-	-	-	-	-	-
1.51 or more	20	4	-	5	6	-	-	-	-	-	-	5	...
BEDROOMS													
None	515	122	21	68	114	167	23	-	-	-	-	-	74
1	4 072	90	166	261	298	1 280	1 021	604	251	19	-	82	99
2	4 391	17	-	43	36	269	839	1 125	1 166	731	-	165	144
3 or more	1 926	-	-	-	40	146	411	428	470	211	46	174	140
YEAR STRUCTURE BUILT													
1969 to March 1970	333	35	-	-	-	6	68	97	33	80	-	14	136
1965 to 1968	1 344	5	-	5	16	9	151	152	631	361	4	10	176
1960 to 1964	766	-	-	-	5	5	30	200	328	123	4	25	163
1950 to 1959	889	-	19	-	15	175	126	275	198	38	13	30	130
1940 to 1949	1 053	14	9	36	63	253	260	232	154	16	4	12	111
1939 or earlier	6 520	169	181	380	446	1 613	1 498	1 290	512	187	25	219	105
ELEVATOR IN STRUCTURE													
4 floors or more	235	-	-	24	-	51	68	40	32	-	-	20	...
With elevator	123	-	-	-	-	51	46	26	-	-	-	-	...
Walk-up	112	-	-	24	-	-	22	14	32	-	-	20	...
1 to 3 floors	10 669	229	187	348	488	1 811	2 226	2 117	1 855	961	46	401	119
COMPLETE BATHROOMS													
1 and 1 1/2	9 998	102	125	283	521	2 002	1 959	2 234	1 824	701	15	232	119
2 or more	224	-	-	-	-	29	30	6	13	83	41	22	228
None or also used by another household	675	122	89	139	50	137	32	58	8	13	-	27	68
INCOME IN 1969													
Less than \$2,000	2 085	150	76	113	152	416	359	254	230	251	11	73	106
\$2,000 to \$2,999	1 037	31	16	62	77	212	163	211	105	127	-	33	113
\$3,000 to \$3,999	1 009	15	37	35	55	309	194	173	123	47	5	16	105
\$4,000 to \$4,999	982	4	23	64	69	208	242	183	118	56	-	15	110
\$5,000 to \$5,999	957	5	12	41	34	238	240	222	119	33	-	13	112
\$6,000 to \$6,999	848	-	16	52	40	197	148	204	132	37	-	22	115
\$7,000 to \$9,999	1 994	13	9	39	91	342	472	474	425	65	5	59	120
\$10,000 to \$14,999	1 406	5	10	15	17	140	250	391	388	118	4	68	138
\$15,000 to \$24,999	442	-	5	-	10	41	51	110	157	40	17	11	150
\$25,000 or more	145	-	5	-	-	4	14	24	59	31	8	-	172
Median	\$5 300	\$2 000-	\$3 300	\$4 000	\$3 800	\$4 600	\$5 500	\$6 400	\$7 700	\$3 500	...	\$6 200	...
YEAR MOVED INTO UNIT													
1969 to March 1970	6 512	122	52	172	217	1 274	1 249	1 462	1 221	628	37	78	123
1968	1 488	-	31	69	71	260	255	354	316	89	19	24	124
1967	759	13	13	51	51	142	133	170	178	40	-	6	122
1965 and 1966	668	20	15	61	92	149	68	139	59	19	-	46	94
1960 to 1964	805	13	68	50	73	230	152	101	71	14	-	33	93
1950 to 1959	481	46	30	39	67	106	113	53	-	-	-	27	86
1949 or earlier	184	10	5	18	-	7	51	19	-	7	-	67	...
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	549	22	33	32	37	130	98	102	71	20	4	...	104
10 to 14 percent	1 425	9	33	99	116	425	335	294	188	26	-	...	107
15 to 19 percent	1 740	21	30	80	53	376	426	381	306	59	8	...	115
20 to 24 percent	1 293	9	31	31	65	217	263	330	276	58	13	...	123
25 to 34 percent	1 670	28	6	30	77	378	353	396	344	54	4	...	118
35 percent or more	3 719	118	76	144	192	631	633	706	642	562	15	...	123
Not computed	509	16	-	5	5	40	35	37	29	26	6	310	119
AIR CONDITIONING													
Room unit(s)	1 809	14	7	39	35	117	186	304	636	432	-	39	164
Central system	683	13	-	-	-	13	32	81	434	99	5	6	173
None	8 405	197	207	383	536	2 038	1 803	1 913	775	266	51	236	108

¹Excludes 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)

Kalamazoo	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)
Owner occupied housing units	14 822	1 339	729	667	549	566	647	2 785	3 850	2 607	1 083	10 200
ROOMS												
1 and 2 rooms	52	10	5	15	—	—	5	10	7	—	—	...
3 rooms	323	82	26	58	28	35	5	33	45	5	6	3 900
4 rooms	2 094	265	167	156	165	127	168	493	402	130	21	7 000
5 rooms	3 610	298	197	161	133	155	184	825	1 109	451	97	9 500
6 rooms	4 036	408	213	146	115	163	173	758	1 136	737	187	10 200
7 rooms or more	4 707	276	121	131	108	86	112	666	1 151	1 284	772	13 700
PERSONS												
1 person	2 509	909	349	234	149	137	135	321	143	75	57	3 000
2 persons	4 525	284	291	316	252	264	256	908	1 098	583	273	9 000
3 and 4 persons	4 639	104	80	73	99	109	154	955	1 561	1 059	445	12 400
5 persons	1 559	21	4	27	27	32	59	307	481	425	176	13 100
6 persons or more	1 590	21	5	17	22	24	43	294	567	465	132	13 300
Units with roomers, boarders, or lodgers	394	84	34	39	17	20	6	91	55	33	15	6 500
BEDROOMS												
Less than 3	5 102	521	405	488	250	342	269	1 180	1 030	516	101	7 700
3	6 503	647	347	82	225	158	283	1 170	1 951	1 346	294	10 900
3 or more	3 154	80	97	73	118	20	44	462	646	988	626	15 400
YEAR STRUCTURE BUILT												
1969 to March 1970	159	17	—	—	16	6	—	50	34	21	15	9 400
1960 to 1968	1 344	28	28	42	30	31	50	239	287	339	270	13 900
1950 to 1959	3 067	127	133	77	86	108	121	579	891	679	266	11 700
1949 or earlier	10 252	1 167	568	548	417	421	476	1 917	2 638	1 568	532	9 400
YEAR MOVED INTO UNIT												
1969 to March 1970	1 505	85	19	70	81	59	85	365	445	221	75	9 900
1968	1 070	24	24	24	43	35	57	244	363	148	92	10 900
1960 to 1967	4 680	263	150	101	137	160	239	767	1 400	1 078	385	11 900
1959 or earlier	7 561	966	520	466	272	348	294	1 337	1 709	1 100	549	9 100
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	9 770	486	404	286	242	254	347	1 786	2 664	2 379	922	12 000
Clothes dryer	9 134	324	215	257	282	234	307	1 653	2 501	2 459	902	12 600
Dishwasher	3 196	122	23	46	47	21	82	259	506	1 321	769	18 700
Home food freezer	4 493	317	151	163	103	42	84	710	1 067	1 362	494	13 200
Owned second home	1 028	24	21	—	20	45	21	140	230	311	216	15 400
With air conditioning	3 169	140	71	66	93	53	109	500	866	815	456	13 200
Room unit(s)	2 508	116	64	54	80	53	95	409	773	617	247	12 500
Central system	661	24	7	12	13	—	14	91	93	198	209	18 900
Automobiles available:												
1	7 297	556	382	450	330	464	462	1 896	1 825	753	179	8 600
2	5 036	77	59	31	73	49	126	639	1 861	1 431	690	13 900
3 or more	810	12	—	13	15	12	6	41	155	331	225	19 600
Renter occupied housing units	10 994	2 105	1 037	1 015	982	978	854	2 018	1 414	442	149	5 400
ROOMS												
1 room	357	165	46	37	15	41	19	24	10	—	—	2 300
2 rooms	903	276	103	99	73	90	92	122	38	5	5	3 700
3 rooms	2 752	545	323	325	314	266	204	460	251	49	15	4 600
4 rooms	3 563	617	347	348	327	321	244	624	552	149	34	5 400
5 rooms	1 714	265	136	93	123	129	116	376	299	118	59	7 000
6 rooms or more	1 705	237	82	113	130	131	179	412	264	121	36	6 900
PERSONS												
1 person	3 368	1 035	427	403	371	254	206	396	203	47	26	3 600
2 persons	3 615	511	309	309	310	329	319	717	587	180	44	6 100
3 and 4 persons	3 083	473	288	240	230	321	253	631	441	147	59	6 000
5 persons	417	38	4	25	37	26	21	124	89	39	14	8 400
6 persons or more	511	48	9	38	34	48	55	150	94	29	6	7 500
Units with roomers, boarders, or lodgers	697	312	93	62	51	23	52	68	23	13	—	2 400
BEDROOMS												
None	515	353	69	23	23	26	21	—	—	—	—	2000—
1	4 072	748	508	439	506	414	283	644	386	106	38	4 700
2	4 411	796	385	268	424	300	144	863	854	237	140	6 200
3 or more	1 970	254	99	198	122	126	241	336	393	166	35	6 800
YEAR STRUCTURE BUILT												
1969 to March 1970	360	114	35	41	19	31	24	38	48	10	—	3 800
1960 to 1968	2 119	316	195	160	128	164	123	361	419	173	80	6 800
1950 to 1959	905	74	42	63	90	90	86	211	162	74	11	7 100
1949 or earlier	7 610	1 599	765	751	745	693	621	1 408	785	185	58	4 900
YEAR MOVED INTO UNIT												
1969 to March 1970	6 582	1 375	688	614	591	609	565	1 258	688	172	20	5 000
1968	1 498	148	90	148	141	101	151	310	217	130	62	6 800
1960 to 1967	2 239	391	176	209	171	208	156	435	349	97	47	5 800
1959 or earlier	679	210	71	47	46	77	29	72	88	32	7	4 300
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹	10 905	2 085	1 037	1 009	982	957	848	1 994	1 406	442	145	5 400
Less than 15 percent	1 974	—	4	—	13	42	112	535	748	379	141	11 900
15 to 19 percent	1 740	—	6	31	98	161	269	679	453	39	4	8 300
20 to 24 percent	1 293	—	19	62	149	300	180	463	107	13	—	6 600
25 to 34 percent	1 670	16	83	362	422	324	217	216	30	—	—	4 900
35 percent or more	3 719	1 797	892	538	285	117	48	42	—	—	—	2 100
Not computed	509	272	33	16	15	13	22	59	68	11	—	2000—
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	2 400	413	93	155	175	112	125	476	550	171	130	7 800
Clothes dryer	2 121	309	93	72	134	96	151	457	511	168	130	8 300
Dishwasher	548	66	17	18	20	38	23	106	150	92	18	9 600
Home food freezer	639	42	—	66	15	43	27	233	96	46	71	8 600
Owned second home	389	139	—	—	15	—	23	45	40	—	23	...
With air conditioning	2 549	437	279	158	116	154	158	493	467	193	94	6 800
Room unit(s)	1 853	332	236	132	102	128	125	323	317	129	29	6 000
Central system	696	105	43	26	14	26	33	170	150	64	65	8 800
Automobiles available:												
1	6 270	862	426	504	605	740	612	1 572	744	162	43	6 000
2	1 749	229	78	62	76	68	119	320	520	203	74	9 300
3 or more	532	135	62	77	33	43	39	55	46	37	5	3 900

¹Excludes 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]

Kalamazoo	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
Owner occupied housing units	14 822	14 587	8 662	5 320	514	91	235	181	34	16	4
PERSONS											
1 person	2 509	2 417	2 407	10	-	-	92	87	5	-	-
2 persons	4 525	4 437	4 285	145	-	7	88	88	-	-	-
3 persons	2 427	2 408	1 351	1 057	-	-	19	6	13	-	-
4 persons	2 212	2 201	458	1 738	5	-	11	-	11	-	-
5 persons	1 559	1 549	161	1 316	68	4	10	-	-	10	-
6 persons or more	1 590	1 575	-	1 054	441	80	15	-	5	6	4
Median	2.7	2.7	1.9	4.3	6.9	...	1.8	1.5	...	...	...
Units with roomers, boarders, or lodgers	394	394	230	143	10	11	-	-	-	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	162	162	70	92	-	-	-	-	-	-	-
1965 to 1968	620	620	295	318	7	-	-	-	-	-	-
1960 to 1964	762	762	429	314	19	-	-	-	-	-	-
1950 to 1959	3 096	3 064	1 563	1 281	191	29	32	25	7	-	-
1940 to 1949	2 019	2 004	1 104	847	40	13	15	7	-	8	-
1939 or earlier	8 157	7 962	5 155	2 480	280	47	195	145	39	11	-
INCOME IN 1969											
Less than \$2,000	1 339	1 274	1 148	120	6	-	65	61	4	-	-
\$2,000 to \$2,999	729	693	621	67	5	-	36	31	5	-	-
\$3,000 to \$3,999	667	652	529	114	-	9	15	9	6	-	-
\$4,000 to \$4,999	549	545	432	87	26	-	4	-	-	4	-
\$5,000 to \$5,999	566	545	392	120	33	-	21	17	4	-	-
\$6,000 to \$6,999	647	643	411	205	27	-	4	4	-	-	-
\$7,000 to \$9,999	2 785	2 717	1 488	1 100	100	29	68	54	10	-	4
\$10,000 to \$14,999	3 850	3 850	1 739	1 869	199	43	-	-	-	-	-
\$15,000 to \$24,999	2 607	2 590	1 210	1 262	108	10	17	-	5	12	-
\$25,000 or more	1 083	1 078	692	376	10	-	5	5	-	-	-
Median	\$10 200	\$10 300	\$8 600	\$12 300	\$11 500	...	\$4 400	\$3 000	...	...	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	13 099	12 921	7 603	4 745	494	79	178	142	20	12	4
Less than 1.5	6 304	6 253	3 008	2 880	309	56	51	35	-	12	4
1.5 to 1.9	2 439	2 407	1 276	1 009	108	14	32	27	5	-	-
2.0 to 2.4	1 192	1 182	750	391	41	-	10	4	6	-	-
2.5 to 2.9	673	668	484	165	10	9	5	5	-	-	-
3.0 to 3.9	730	711	593	103	15	-	19	14	5	-	-
4.0 or more	1 641	1 580	1 392	177	11	-	61	57	4	-	-
Not computed	120	120	100	20	-	-	-	-	-	-	-
HEATING EQUIPMENT											
Steam or hot water	921	918	549	310	38	11	13	9	-	4	-
Warm-air furnace	12 751	12 612	7 478	4 656	407	71	139	107	20	12	-
Built-in electric units	66	56	23	29	-	4	10	-	10	-	-
Floor, wall, or pipeless furnace	255	241	119	109	13	-	14	14	-	-	-
Other means	824	765	488	216	56	5	59	51	4	-	4
None	5	5	5	-	-	-	-	-	-	-	-
Renter occupied housing units	10 994	10 436	5 442	4 443	426	125	558	237	301	-	20
PERSONS											
1 person	3 368	2 917	2 812	105	-	-	451	219	232	-	-
2 persons	3 615	3 539	2 232	1 307	-	-	76	13	54	-	9
3 persons	1 768	1 758	335	1 400	23	-	10	5	5	-	-
4 persons	1 315	1 306	58	1 129	109	10	9	-	4	-	5
5 persons	417	411	5	299	79	28	6	-	6	-	-
6 persons or more	511	505	-	203	215	87	6	-	-	-	6
Median	2.1	2.2	1.5	3.1	5.5	7.2	1.1	1.0	1.1	-	...
Units with roomers, boarders, or lodgers	697	686	279	390	17	-	11	-	6	-	5
YEAR STRUCTURE BUILT											
1969 to March 1970	367	367	101	257	5	4	-	-	-	-	-
1965 to 1968	1 326	1 318	567	719	27	5	8	-	8	-	-
1960 to 1964	775	775	435	321	19	-	-	-	-	-	-
1950 to 1959	910	902	404	462	28	8	8	8	-	-	-
1940 to 1949	1 117	1 096	510	514	56	16	21	7	14	-	-
1939 or earlier	6 503	5 992	3 416	2 252	237	87	511	215	277	-	19
INCOME IN 1969											
Less than \$2,000	2 105	1 857	1 112	683	57	5	248	100	144	-	4
\$2,000 to \$2,999	1 037	970	577	360	29	4	67	30	32	-	5
\$3,000 to \$3,999	1 015	957	538	364	52	3	58	20	38	-	-
\$4,000 to \$4,999	982	933	525	361	41	6	49	29	20	-	-
\$5,000 to \$5,999	978	926	381	481	59	5	52	23	29	-	-
\$6,000 to \$6,999	854	825	401	379	24	21	29	13	16	-	-
\$7,000 to \$9,999	2 018	1 983	902	940	92	49	35	12	17	-	6
\$10,000 to \$14,999	1 414	1 405	691	635	52	27	9	4	-	-	5
\$15,000 to \$24,999	442	436	235	182	14	5	6	6	-	-	-
\$25,000 or more	149	144	80	58	6	-	5	-	5	-	-
Median	\$5 400	\$5 500	\$4 900	\$5 900	\$5 600	\$8 100	\$2 500	\$2 600	\$2 200	-	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	10 905	10 347	5 427	4 379	416	125	558	237	301	-	20
Less than 10 percent	549	516	250	228	25	13	33	13	14	-	6
10 to 14 percent	1 425	1 366	734	560	45	27	59	30	29	-	-
15 to 19 percent	1 740	1 685	804	602	54	25	55	32	23	-	-
20 to 24 percent	1 293	1 236	580	575	74	7	57	20	37	-	-
25 to 34 percent	1 670	1 596	850	658	52	36	74	26	48	-	-
35 percent or more	3 719	3 466	1 940	1 356	156	14	253	104	140	-	9
Not computed	509	482	269	200	10	3	27	12	10	-	5
HEATING EQUIPMENT											
Steam or hot water	2 775	2 558	1 442	1 053	41	22	217	67	145	-	5
Warm-air furnace	6 756	6 459	3 320	2 729	316	74	297	151	137	-	9
Built-in electric units	487	487	171	292	15	9	-	-	-	-	-
Floor, wall, or pipeless furnace	234	230	89	138	3	-	4	-	4	-	-
Other means	742	702	420	211	51	20	40	19	15	-	6
None	-	-	-	-	-	-	-	-	-	-	-

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

²Excludes 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]

Kalamazoo	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	14 822	22	30	323	2 094	3 610	4 036	2 371	2 336	5.8
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	14 496	24	33	302	2 024	3 516	3 986	2 296	2 315	5.8
PERSONS										
1 person	2 509	15	15	138	625	624	610	281	201	5.2
2 persons	4 525	7	11	134	875	1 235	1 233	603	427	5.5
3 persons	2 427	-	-	38	300	732	690	375	292	5.7
4 persons	2 212	-	-	5	196	488	634	431	458	6.2
5 persons	1 359	-	4	-	78	317	462	305	393	6.3
6 persons or more	1 590	-	-	8	20	214	407	376	565	6.9
Median	2.7	...	...	1.7	2.0	2.5	2.8	3.3	4.0	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	14 587	17	30	305	2 058	3 560	3 968	2 338	2 311	5.8
0.50 or less	8 662	-	15	128	1 474	1 824	2 470	1 231	1 520	5.9
0.51 to 1.00	5 320	10	11	168	496	1 522	1 359	1 011	743	5.8
1.01 to 1.50	514	-	-	5	83	177	127	74	48	5.5
1.51 or more	91	7	4	4	5	37	12	22	-	...
Lacking some or all plumbing facilities	235	5	-	18	36	50	68	33	25	5.6
0.50 or less	181	-	-	10	26	35	63	28	19	5.8
0.51 to 1.00	34	5	-	4	-	15	5	5	-	...
1.01 to 1.50	16	-	-	-	10	-	-	-	6	...
1.51 or more	4	-	-	4	-	-	-	-	-	...
BEDROOMS										
None and 1	639	-	20	176	348	57	38	-	-	3.9
2	4 463	-	-	85	1 697	1 943	571	127	40	4.7
3	6 503	-	-	-	48	1 674	2 949	1 386	446	6.0
4 or more	3 154	-	-	-	-	22	403	962	1 767	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	159	-	-	-	68	43	18	-	30	4.8
1960 to 1968	1 344	-	5	25	293	229	190	165	437	6.1
1950 to 1959	3 067	-	10	41	565	1 197	675	297	282	5.3
1949 or earlier	10 252	22	15	257	1 168	2 141	3 153	1 909	1 587	6.0
COMPLETE BATHROOMS										
1 and 1 1/2	12 152	24	21	267	1 938	3 249	3 463	1 864	1 326	5.7
2 or more	2 356	-	12	35	86	273	523	432	995	7.1
None or also used by another household	308	5	-	27	61	51	99	44	21	5.6
VALUE-INCOME RATIO										
Specified owner occupied¹	13 099	5	14	144	1 437	3 162	3 848	2 258	2 231	6.0
Less than 1.5	6 304	-	5	47	574	1 516	1 888	1 200	1 074	6.0
1.5 to 1.9	2 439	-	5	20	229	610	698	398	479	6.0
2.0 to 2.9	1 865	-	4	26	222	444	491	295	383	6.0
3.0 or more	2 371	5	-	44	391	557	739	350	285	5.8
Not computed	120	-	-	7	21	35	32	15	10	5.4
Renter occupied housing units	10 994	357	903	2 752	3 563	1 714	957	451	297	3.9
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	10 229	74	762	2 598	3 463	1 668	918	398	348	4.0
PERSONS										
1 person	3 368	337	607	1 244	899	1 62	68	36	15	3.1
2 persons	3 615	9	269	1 092	1 288	641	210	78	28	3.8
3 persons	1 768	-	23	266	749	390	210	79	51	4.3
4 persons	1 315	11	4	109	487	285	229	132	58	4.7
5 persons	417	-	-	28	79	129	81	64	36	5.3
6 persons or more	511	-	-	13	61	107	159	62	109	6.0
Median	2.1	1.0	1.2	1.6	2.2	2.6	3.5	3.7	4.4	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	10 436	111	762	2 646	3 536	1 687	946	451	297	4.0
0.50 or less	5 442	-	486	1 177	2 166	786	477	193	157	4.0
0.51 to 1.00	4 443	105	249	1 319	1 236	794	376	241	123	3.9
1.01 to 1.50	426	-	23	109	106	73	81	17	17	4.3
1.51 or more	125	6	4	41	28	34	12	-	-	3.7
Lacking some or all plumbing facilities	558	246	141	106	27	27	11	-	-	1.7
0.50 or less	237	-	121	67	21	17	11	-	-	2.5
0.51 to 1.00	301	232	20	39	-	10	-	-	-	1.1
1.01 to 1.50	-	-	-	-	-	-	-	-	-	-
1.51 or more	20	14	-	-	6	-	-	-	-	...
BEDROOMS										
None	515	334	112	69	-	-	-	-	-	1.3
1	4 072	-	703	2 296	1 006	21	46	-	-	3.1
2	4 411	-	-	249	2 740	1 314	62	46	-	4.2
3 or more	1 970	-	-	-	69	448	792	513	148	6.1
YEAR STRUCTURE BUILT										
1969 to March 1970	360	-	60	123	117	39	13	4	4	3.5
1960 to 1968	2 119	8	114	472	1 111	316	56	31	11	3.9
1950 to 1959	905	-	15	224	358	156	89	32	31	4.1
1949 or earlier	7 610	349	714	1 933	1 977	1 203	799	384	251	3.9
COMPLETE BATHROOMS										
1 and 1 1/2	10 092	120	770	2 624	3 434	1 629	911	355	249	3.9
2 or more	231	8	-	-	29	45	7	43	99	7.1
None or also used by another household	675	241	144	148	72	34	36	-	-	2.2
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	10 905	357	903	2 730	3 532	1 710	929	451	293	3.9
Less than 10 percent	549	23	25	108	152	141	55	24	21	4.3
10 to 14 percent	1 425	37	155	371	422	245	127	49	19	3.9
15 to 19 percent	1 740	28	130	427	618	278	151	90	18	4.0
20 to 24 percent	1 293	43	66	342	431	212	127	44	28	4.0
25 to 34 percent	1 670	41	154	459	536	208	172	72	28	3.8
35 percent or more	3 719	174	342	931	1 264	518	237	122	131	3.8
Not computed	509	11	31	92	109	60	60	50	48	4.6

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

²Excludes 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!]

Kalamazoo	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	14 822	13 445	1 089	288	10 994	2 664	2 475	1 759	1 484	1 121	1 367	124
ROOMS												
1 room	22	10	12	-	357	5	7	37	113	39	156	-
2 rooms	30	14	16	-	903	27	59	252	271	164	84	46
3 rooms	323	140	147	16	2 752	254	631	693	479	360	314	21
4 rooms	2 094	1 509	339	246	3 563	447	1 042	515	450	429	640	40
5 rooms	3 610	3 258	331	21	1 714	612	500	211	131	105	138	17
6 rooms	4 036	3 919	112	5	957	665	179	38	27	19	29	-
7 rooms	2 371	2 309	62	-	451	375	57	4	4	5	6	-
8 rooms or more	2 336	2 266	70	-	297	279	-	9	9	-	-	-
Median	5.8	6.0	4.6	4.0	3.9	5.5	4.0	3.4	3.2	3.5	3.7	3.3
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	14 587	13 267	1 032	288	10 436	2 631	2 436	1 666	1 322	1 044	1 213	124
0.50 or less	8 662	7 776	706	180	5 442	1 125	1 309	1 035	952	454	517	50
0.51 to 1.00	5 320	4 913	303	104	4 443	1 321	924	576	357	558	641	66
1.01 to 1.50	514	499	11	4	426	152	145	36	13	24	48	8
1.51 or more	91	79	12	-	125	33	58	19	-	8	7	-
Lacking some or all plumbing facilities	235	178	57	-	558	33	39	93	162	77	154	-
0.50 or less	181	142	39	-	237	27	26	65	79	35	5	-
0.51 to 1.00	34	20	14	-	301	-	9	28	83	37	144	-
1.01 to 1.50	16	12	4	-	-	-	-	-	-	-	-	-
1.51 or more	4	4	-	-	20	6	4	-	-	5	5	-
BEDROOMS												
None	-	-	-	-	515	-	-	68	159	68	220	-
1	639	337	282	20	4 072	272	1 127	1 113	708	343	450	59
2	4 463	3 792	408	263	4 411	745	1 170	375	499	679	919	24
3	6 503	6 224	279	-	1 635	1 253	205	63	88	26	-	-
4 or more	3 154	3 050	104	-	335	304	31	-	-	-	-	-
YEAR STRUCTURE BUILT												
1969 to March 1970	159	88	21	50	360	47	17	55	15	62	104	60
1965 to 1968	662	445	65	152	1 349	98	38	20	149	374	637	33
1960 to 1964	682	589	23	70	770	94	17	110	180	178	186	5
1950 to 1959	3 067	3 004	47	16	905	408	99	58	124	141	55	20
1940 to 1949	2 150	2 130	20	-	1 060	318	277	171	173	79	42	-
1939 or earlier	8 102	7 189	913	-	6 550	1 699	2 027	1 345	843	287	343	6
INCOME IN 1969												
Less than \$2,000	1 339	1 115	213	11	2 105	376	430	391	282	241	378	7
\$2,000 to \$2,999	729	645	67	17	1 037	145	256	201	150	90	186	9
\$3,000 to \$3,999	667	553	83	31	1 015	153	251	185	151	125	111	39
\$4,000 to \$4,999	549	461	77	11	982	217	220	206	163	93	78	5
\$5,000 to \$5,999	566	484	68	14	978	248	249	133	126	77	129	16
\$6,000 to \$6,999	647	570	54	23	854	202	221	148	99	110	64	10
\$7,000 to \$9,999	2 785	2 490	186	109	2 018	691	464	290	246	136	175	16
\$10,000 to \$14,999	3 850	3 536	258	56	1 414	437	321	150	192	163	135	16
\$15,000 to \$24,999	2 607	2 524	73	10	1 442	159	47	35	53	64	78	6
\$25,000 or more	1 083	1 067	10	6	149	36	16	20	22	22	33	-
Median	\$10 200	\$10 600	\$6 700	\$8 000	\$5 400	\$7 000	\$5 300	\$4 500	\$5 000	\$5 100	\$4 100	\$5 100
YEAR MOVED INTO UNIT												
1969 to March 1970	1 505	1 222	181	102	6 582	1 451	1 408	1 021	894	758	920	130
1968	1 070	909	98	63	1 498	376	396	208	176	159	183	-
1967	924	867	44	13	766	216	212	79	119	86	54	-
1965 and 1966	1 574	1 442	72	60	668	222	131	153	77	29	49	7
1960 to 1964	2 182	2 069	82	31	805	230	137	207	103	49	79	-
1950 to 1959	3 822	3 533	282	7	475	90	99	118	98	38	32	-
1949 or earlier	3 739	3 412	327	-	204	92	37	19	13	7	36	-
GROSS RENT												
Specified renter occupied¹	10 905	2 575	2 475	1 759	1 484	1 121	1 367	124				
Less than \$50	223	22	19	55	67	14	46	-				
\$50 to \$59	209	27	26	65	28	9	54	-				
\$60 to \$69	421	19	108	124	116	44	10	-				
\$70 to \$79	545	58	142	176	121	24	19	-				
\$80 to \$99	2 107	229	611	535	311	284	137	-				
\$100 to \$119	2 133	464	777	337	215	87	240	-				
\$120 to \$149	2 246	789	524	264	335	150	116	-				
\$150 to \$199	1 856	540	155	165	257	333	384	-				
\$200 to \$299	805	184	63	30	29	143	345	-				
\$300 or more	50	45	-	5	-	-	-	-				
No cash rent	310	198	50	8	-	33	16	-				
Median	\$117	\$134	\$108	\$96	\$109	\$136	\$157	\$138				
HEATING EQUIPMENT												
Steam or hot water	921	766	155	-	2 775	172	242	388	603	581	789	-
Warm-air furnace	12 751	11 643	856	252	6 756	1 990	1 916	1 224	770	374	367	115
Built-in electric units	66	57	9	-	487	68	35	23	46	139	176	-
Floor, wall, or pipeless furnace	255	246	9	-	234	125	25	31	15	14	19	5
Other means	824	728	60	36	742	309	257	93	50	13	16	4
None	5	5	-	-	-	-	-	-	-	-	-	-
AIR CONDITIONING												
Room unit(s)	2 508	2 309	147	52	1 853	214	200	124	244	360	711	-
Central system	661	625	7	29	696	116	32	85	98	224	141	-
None	11 647	10 520	932	195	8 449	2 347	2 188	1 596	1 138	542	501	137
AUTOMOBILES AVAILABLE												
1	7 297	6 526	597	174	6 270	1 485	1 371	1 043	917	699	664	91
2	5 036	4 753	222	61	1 749	609	323	169	145	213	250	40
3 or more	810	787	23	-	532	195	54	27	5	57	188	6
None	1 673	1 388	244	41	2 447	388	672	566	413	157	251	-

¹Excludes 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]

Kalamazoo	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		
Owner occupied housing units	14 822	459	1 910	2 188	4 335	1 673	344	136	896	372	981	1 528
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	14 587	455	1 897	2 176	4 289	1 640	340	128	883	362	955	1 462
0.50 or less	8 662	162	532	448	2 545	1 467	196	103	507	295	955	1 452
0.51 to 1.00	5 320	289	1 231	1 427	1 624	161	133	25	353	67	-	10
1.01 to 1.50	514	4	129	249	86	12	11	-	23	-	-	-
1.51 or more	91	-	5	52	34	-	-	-	-	-	-	-
Lacking some or all plumbing facilities	235	4	13	12	46	33	4	8	13	10	26	66
0.50 or less	181	-	4	-	37	28	4	4	7	10	21	66
0.51 to 1.00	34	4	5	-	5	5	-	4	6	-	5	-
1.01 to 1.50	16	-	4	12	-	-	-	-	-	-	-	-
1.51 or more	4	-	-	-	4	-	-	-	-	-	-	-
UNITS IN STRUCTURE												
1	13 445	314	1 721	2 107	4 179	1 517	310	117	812	334	747	1 287
2 or more	1 089	70	140	81	113	129	28	19	75	38	161	235
Mobile home or trailer	288	75	49	-	43	27	6	-	9	-	73	6
INCOME IN 1969												
Less than \$2,000	1 339	-	6	14	75	93	29	22	121	70	139	770
\$2,000 to \$2,999	729	-	16	9	13	21	11	15	63	42	66	283
\$3,000 to \$3,999	667	26	17	13	20	245	12	21	51	28	72	162
\$4,000 to \$4,999	549	21	26	24	61	142	16	19	67	24	88	61
\$5,000 to \$5,999	566	30	33	31	81	162	5	-	78	9	87	50
\$6,000 to \$6,999	647	41	98	32	118	96	21	4	88	14	100	35
\$7,000 to \$9,999	2 785	181	523	309	780	239	110	26	211	85	239	82
\$10,000 to \$14,999	3 850	142	811	814	1 428	245	51	24	129	63	104	39
\$15,000 to \$24,999	2 607	18	321	718	1 196	118	62	5	62	32	60	15
\$25,000 or more	1 083	-	59	224	563	122	27	-	26	5	26	31
Median	\$10 200	\$8 800	\$11 500	\$14 100	\$13 600	\$5 900	\$9 100	\$4 500	\$6 800	\$6 900	\$6 400	\$2 000
VALUE-INCOME RATIO												
Specified owner occupied ¹	13 099	269	1 664	2 084	4 132	1 506	299	101	751	311	728	1 254
Less than 1.5	6 304	148	893	1 209	2 667	467	187	39	291	117	222	64
1.5 to 1.9	2 439	47	457	529	778	239	36	10	131	47	110	55
2.0 to 2.4	1 192	35	170	165	320	198	30	5	60	11	117	81
2.5 to 2.9	673	16	59	90	150	160	5	5	26	21	48	99
3.0 to 3.9	730	17	48	29	113	150	15	19	106	33	51	149
4.0 or more	1 641	6	37	62	99	281	21	23	102	82	143	785
Not computed	120	-	-	-	5	11	5	-	35	-	37	27
Renter occupied housing units	10 994	1 798	1 574	461	746	249	931	49	1 724	94	2 266	1 102
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	10 436	1 789	1 569	449	718	245	915	49	1 691	94	1 989	928
0.50 or less	5 442	493	523	59	268	195	415	39	586	52	1 911	901
0.51 to 1.00	4 443	1 229	909	315	375	50	449	10	973	28	78	27
1.01 to 1.50	426	51	118	50	48	-	46	-	104	9	-	-
1.51 or more	125	16	19	25	27	-	5	-	28	5	-	-
Lacking some or all plumbing facilities	558	9	5	12	28	4	16	-	33	-	277	174
0.50 or less	237	-	-	6	12	-	-	-	-	-	132	87
0.51 to 1.00	301	9	5	-	11	-	16	-	28	-	145	87
1.01 to 1.50	-	-	-	-	-	-	-	-	-	-	-	-
1.51 or more	20	-	-	6	5	4	-	-	5	-	-	-
UNITS IN STRUCTURE												
1	2 664	373	573	285	288	75	204	5	521	17	210	113
2 to 4	4 234	756	524	98	249	106	314	17	698	50	922	500
5 to 19	2 605	409	294	54	143	53	183	22	261	13	882	291
20 or more	1 367	208	172	14	66	15	214	5	224	14	237	198
Mobile home or trailer	124	52	11	10	-	-	16	-	20	-	15	-
GROSS RENT												
Specified renter occupied ²	10 905	1 788	1 569	457	730	249	914	49	1 692	94	2 266	1 097
Less than \$50	223	4	5	-	-	8	-	-	4	-	84	118
\$50 to \$59	209	5	14	-	-	6	11	-	-	-	8	79
\$60 to \$69	421	12	11	6	29	14	20	-	8	-	216	90
\$70 to \$79	545	59	16	11	20	10	23	5	15	8	216	111
\$80 to \$99	2 107	442	212	56	94	25	94	5	16	18	256	111
\$100 to \$119	2 133	624	284	52	124	71	63	5	305	16	617	272
\$120 to \$149	2 246	427	466	110	117	36	71	5	333	6	357	154
\$150 to \$199	1 856	164	456	156	164	52	215	19	443	12	344	127
\$200 to \$299	805	26	57	26	85	5	309	5	325	17	234	68
\$300 or more	50	-	4	13	12	-	5	-	226	17	21	28
No cash rent	310	25	44	27	85	22	-	5	14	-	38	50
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	10 905	1 788	1 569	457	730	249	914	49	1 692	94	2 266	1 097
Less than \$5,000	5 113	546	199	47	91	141	612	29	1 146	71	1 268	963
Less than 20 percent	152	10	-	-	6	15	4	-	-	-	106	11
20 to 24 percent	230	34	7	-	6	10	10	-	34	-	105	24
25 to 34 percent	863	220	41	7	29	23	31	-	107	5	263	157
35 percent or more	3 512	260	139	31	39	78	517	29	935	60	714	710
Not computed	336	22	12	9	11	15	50	-	70	6	80	61
\$5,000 to \$9,999	3 799	952	675	236	274	77	246	15	463	5	754	102
Less than 20 percent	1 798	507	296	118	149	29	46	-	141	-	458	54
20 to 24 percent	943	261	176	19	31	23	69	5	152	5	184	18
25 to 34 percent	757	164	146	67	51	20	78	5	126	-	85	15
35 percent or more	207	10	31	18	23	5	53	-	40	-	23	11
Not computed	94	10	26	14	8	-	-	5	4	-	4	5
\$10,000 to \$14,999	1 406	259	515	80	221	20	41	-	56	11	198	4
Less than 20 percent	1 201	254	444	74	146	9	24	-	42	5	198	5
20 to 24 percent	107	-	55	6	27	4	6	-	3	6	-	-
25 percent or more	30	-	5	-	40	-	11	-	6	-	-	-
Not computed	68	5	11	-	8	7	-	-	5	-	-	-
\$15,000 or more	587	31	180	94	144	11	15	5	27	7	46	27
Less than 20 percent	563	31	180	89	125	11	15	5	27	7	46	27
20 to 24 percent	13	-	-	5	8	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	11	-	-	-	11	-	-	-	-	-	-	-

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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]

Kalamazoo	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	14 822	2 509	4 525	2 427	2 212	1 559	878	391	321	2.7
BEDROOMS										
None and 1	639	305	312	-	-	-	22	-	-	1.5
2	4 463	1 030	2 078	832	395	86	-	21	21	2.0
3	6 503	872	1 831	1 115	1 192	894	270	206	123	3.0
4 or more	3 154	227	457	441	493	625	622	124	165	4.4
YEAR STRUCTURE BUILT										
1969 to March 1970	159	29	29	49	27	9	10	6	-	2.9
1965 to 1968	662	55	155	140	170	66	61	5	10	3.4
1960 to 1964	682	36	177	136	161	115	50	7	-	3.4
1950 to 1959	3 067	333	918	575	512	419	182	77	51	3.0
1940 to 1949	2 150	271	654	412	372	270	91	51	29	2.9
1939 or earlier	8 102	1 785	2 592	1 115	970	680	484	245	231	2.4
UNITS IN STRUCTURE										
1	13 445	2 034	4 061	2 182	2 106	1 501	854	391	316	2.8
2 or more	1 089	396	351	182	82	49	24	-	5	1.9
Mobile home or trailer	288	79	113	63	24	9	-	-	-	2.1
COMPLETE BATHROOMS										
1 and 1 1/2	12 152	2 042	3 851	2 066	1 690	1 263	677	293	270	2.6
2 and 2 1/2	2 059	326	445	286	469	238	161	92	42	3.4
3 or more	297	24	71	35	59	59	37	11	6	3.8
None or also used by another household	308	126	90	41	14	18	7	-	7	1.8
HOUSEHOLD COMPOSITION										
Two-or-more-person households	12 313	...	4 525	2 427	2 212	1 559	878	391	321	3.2
Male head, wife present, no nonrelatives	10 565	...	3 647	2 046	2 006	1 407	801	367	291	3.3
Under 25 years	459	...	129	211	91	24	-	4	-	3.0
25 to 34 years	1 910	...	237	414	572	377	193	66	51	4.0
35 to 44 years	2 188	...	138	234	503	516	454	170	173	4.9
45 to 64 years	4 335	...	1 727	982	809	469	154	127	67	2.9
65 years and over	1 673	...	1 416	205	31	21	-	-	-	2.1
Other male head	480	...	273	79	63	20	36	4	5	2.4
Under 65 years	344	...	169	56	58	20	36	-	5	2.6
65 years and over	136	...	104	23	5	-	-	-	-	2.2
Female head	1 268	...	605	302	143	132	41	20	25	2.6
Under 65 years	896	...	348	227	134	115	37	10	25	2.9
65 years and over	372	...	257	75	9	17	4	10	-	2.2
One-person households	2 509	2 509	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	13 099	1 982	3 957	2 088	2 073	1 474	826	391	308	2.8
Less than 1.5	6 304	286	1 732	1 259	1 199	851	514	264	199	3.4
1.5 to 1.9	2 439	165	759	375	470	380	160	76	54	3.3
2.0 to 2.4	1 192	198	355	235	175	114	73	8	33	2.7
2.5 to 2.9	673	141	275	55	79	56	28	22	17	2.2
3.0 to 3.9	730	200	330	90	53	19	23	10	5	2.0
4.0 or more	1 641	928	479	60	86	54	28	-	-	1.4
Not computed	120	64	27	13	11	-	-	5	-	1.4
Renter occupied housing units	10 994	3 368	3 615	1 768	1 315	417	184	165	162	2.1
BEDROOMS										
None	515	491	24	-	-	-	-	-	-	1.0
1	4 072	2 138	1 428	393	80	33	-	-	-	1.5
2	4 411	604	1 584	1 065	889	165	59	23	22	2.5
3 or more	1 970	70	466	267	573	212	128	145	109	3.8
YEAR STRUCTURE BUILT										
1969 to March 1970	360	65	126	88	60	17	4	-	-	2.4
1965 to 1968	1 349	263	461	301	285	26	13	-	-	2.4
1960 to 1964	770	207	299	142	112	10	-	-	-	2.1
1950 to 1959	905	158	332	190	99	65	25	20	16	2.4
1940 to 1949	1 060	275	423	175	108	45	21	11	13	2.1
1939 or earlier	6 550	2 400	1 974	872	651	254	142	124	133	1.9
UNITS IN STRUCTURE										
1	2 664	323	656	537	558	244	107	117	122	3.2
2	2 475	597	949	478	216	116	51	28	40	2.2
3 and 4	1 759	825	617	214	66	16	10	11	-	1.6
5 to 9	1 484	851	460	97	52	11	4	9	-	1.4
10 to 19	1 121	322	484	167	132	4	12	-	-	2.0
20 or more	1 367	435	365	256	285	26	-	-	-	2.2
Mobile home or trailer	124	15	84	19	6	-	-	-	-	2.1
COMPLETE BATHROOMS										
1 and 1 1/2	10 092	2 875	3 476	1 703	1 207	394	175	111	151	2.1
2 or more	231	18	51	74	22	19	-	47	-	3.1
None or also used by another household	675	497	98	34	25	7	-	-	14	1.2
HOUSEHOLD COMPOSITION										
Two-or-more-person households	7 626	...	3 615	1 768	1 315	417	184	165	162	2.6
Male head, wife present, no nonrelatives	4 828	...	2 310	1 148	716	292	130	108	104	2.6
Under 25 years	1 798	...	1 116	513	128	31	5	-	5	2.3
25 to 34 years	1 574	...	586	406	350	136	35	28	33	3.0
35 to 44 years	461	...	87	68	123	48	48	45	42	4.1
45 to 64 years	746	...	286	174	108	77	42	35	24	3.0
65 years and over	249	...	235	7	7	-	-	-	-	2.0
Other male head	980	...	498	166	268	27	-	-	-	2.5
Under 65 years	931	...	454	166	268	27	-	-	-	2.6
65 years and over	49	...	44	-	5	-	-	-	-	...
Female head	1 818	...	807	434	331	98	54	36	58	2.7
Under 65 years	1 724	...	745	431	326	85	54	25	58	2.8
65 years and over	94	...	62	3	5	13	-	11	-	...
One-person households	3 368	3 368	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	10 905	3 363	3 588	1 759	1 293	403	178	165	154	2.1
Less than 10 percent	549	94	232	103	42	32	29	5	12	2.3
10 to 14 percent	1 425	416	550	205	134	51	25	27	17	2.0
15 to 19 percent	1 740	395	661	325	199	93	25	21	21	2.2
20 to 24 percent	1 293	331	432	242	153	71	11	35	18	2.2
25 to 34 percent	1 670	520	555	314	142	57	7	45	30	2.1
35 percent or more	3 719	1 458	1 001	493	554	80	57	27	49	1.9
Not computed	509	149	157	77	69	19	24	5	9	2.2

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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]

Kalamazoo					Kalamazoo				
	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
Vacant for sale	181	56	68	57	Vacant for rent	721	475	159	87
ROOMS					ROOMS				
1 to 3 rooms	8	5	-	3	1 room	40	22	18	-
4 rooms	7	5	-	2	2 rooms	56	46	7	3
5 rooms	45	-	19	26	3 rooms	224	145	43	36
6 rooms	50	23	17	10	4 rooms	182	106	51	25
7 rooms or more	71	23	32	16	5 rooms	125	86	25	14
					6 rooms	49	39	10	-
					7 rooms or more	45	31	5	9
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	176	56	68	52	With all plumbing facilities	657	452	126	79
Lacking some or all plumbing facilities	5	-	-	5	Lacking some or all plumbing facilities	64	23	33	8
BEDROOMS					BEDROOMS				
None and 1	-	-	-	-	None	46	31	15	-
2	69	46	-	23	1	370	234	106	30
3	72	26	46	-	2	166	121	45	-
4 or more	85	55	30	-	3 or more	69	46	23	-
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	-	-	-	-	1969 to March 1970	10	5	5	-
1960 to 1968	22	4	15	3	1960 to 1968	49	39	10	-
1950 to 1959	24	5	14	5	1950 to 1959	16	16	-	-
1949 or earlier	135	47	39	49	1949 or earlier	646	415	144	87
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	158	46	63	49	1	135	101	29	5
2 or more	23	10	5	8	2 to 4	359	214	79	66
					5 to 9	145	107	34	4
					10 to 19	28	24	4	-
					20 or more	54	29	13	12
HEATING EQUIPMENT					RENT ASKED				
Steam or hot water	-	-	-	-	Specified vacant for rent ²	721	475	159	87
Warm-air furnace	167	51	64	52	Less than \$50	41	18	23	-
Built-in electric units	-	-	-	-	\$50 to \$59	11	5	6	-
Floor, wall, or pipeless furnace	-	-	-	-	\$60 to \$79	109	59	15	35
Other means	14	5	4	5	\$80 to \$99	186	122	40	24
None	-	-	-	-	\$100 to \$119	142	100	30	12
					\$120 to \$149	145	108	21	16
					\$150 to \$199	49	33	16	-
					\$200 or more	38	30	8	-
					Median rent asked	\$102	\$107	\$98	...
SALES PRICE ASKED									
Specified vacant for sale ¹	158	46	63	49					
Less than \$5,000	10	-	-	10					
\$5,000 to \$9,999	65	18	22	25					
\$10,000 to \$14,999	38	13	18	7					
\$15,000 to \$19,999	8	4	4	4					
\$20,000 to \$24,999	15	11	4	-					
\$25,000 to \$34,999	10	-	10	-					
\$35,000 to \$49,999	7	4	-	3					
\$50,000 or more	5	-	5	-					
Median price asked	\$10 500	...	...	...		

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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]

Kalamazoo	Sales price asked - Vacant for sale ¹							Rent asked - Vacant for rent ²						
	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
Total	158	75	38	8	15	10	12	721	52	109	186	287	49	38
PLUMBING FACILITIES														
With all plumbing facilities	180	98	-	-	52	30	-	621	-	91	158	297	30	45
Lacking some or all plumbing facilities	-	-	-	-	-	-	-	30	15	15	-	-	-	-
BEDROOMS														
None and 1	-	-	-	-	-	-	-	416	15	83	128	145	15	30
2	46	46	-	-	-	-	-	166	-	23	30	83	15	15
3	49	23	-	-	26	-	-	31	-	-	-	31	-	-
4 or more	85	29	-	-	26	30	-	38	-	-	-	38	-	-
YEAR STRUCTURE BUILT														
1969 to March 1970	-	-	-	-	-	-	-	10	-	-	-	5	5	-
1960 to 1968	22	-	5	-	-	5	12	49	5	5	-	17	10	12
1950 to 1959	24	11	4	4	5	-	-	16	-	-	-	8	8	-
1949 or earlier	112	64	29	4	10	5	-	646	47	104	186	257	26	26
UNITS IN STRUCTURE														
1	...	...	...	...	...	...	...	135	6	5	48	30	18	8
2 to 4	...	...	...	...	...	...	...	359	11	78	97	152	13	8
5 to 19	...	...	...	...	...	...	...	173	25	26	37	61	10	14
20 or more	...	...	...	...	...	...	...	54	10	-	4	24	8	8
INCLUSION OF UTILITIES IN RENT														
All utilities included	...	...	...	...	...	...	...	499	50	57	135	200	27	30
Some or no utilities included	...	...	...	...	...	...	...	222	2	52	51	87	22	8

¹Limited to one-family homes on less than 10 acres and no business on property. ²Excludes 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>A. 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>H1. 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><input type="radio"/> No _____</p> <p style="text-align: right; margin-right: 50px;"><i>Phone number</i></p> <p>H2. 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>H3. 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>H4. How many rooms do you have in your living quarters?</p> <p><i>Do not count bathtubs, 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>H5. 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>H6. 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>H7. 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>H8. 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>H9. 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>H10a. 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. 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>H11. 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> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><i>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.</i></p> </div> <p>H12. Answer this question if you pay rent for your living quarters.</p> <p>a. 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. 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;"><i>(Nearest dollar) (Week, half-month, year, etc.)</i></p>	<p style="text-align: center;">FOR CENSUS ENUMERATOR'S USE ONLY</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-bottom: 1px solid black;">a4. Block number</td> <td style="width: 50%; border-bottom: 1px solid black;">a5. Serial number</td> </tr> <tr> <td>0 0 0 0</td> <td>0 0 0 0</td> </tr> <tr> <td>1 0 0 0</td> <td>1 0 0 0</td> </tr> <tr> <td>2 0 0 0</td> <td>2 0 0 0</td> </tr> <tr> <td>3 0 0 0</td> <td>3 0 0 0</td> </tr> <tr> <td>4 0 0 0</td> <td>4 0 0 0</td> </tr> <tr> <td>5 0 0 0</td> <td>5 0 0 0</td> </tr> <tr> <td>6 0 0 0</td> <td>6 0 0 0</td> </tr> <tr> <td>7 0 0 0</td> <td>7 0 0 0</td> </tr> <tr> <td>8 0 0 0</td> <td>8 0 0 0</td> </tr> <tr> <td>9 0 0 0</td> <td>9 0 0 0</td> </tr> </table> <p>B. Type of unit or quarters</p> <p>Occupied</p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p>Vacant</p> <p><input type="radio"/> Regular</p> <p><input type="radio"/> Usual residence elsewhere</p> <p>Group quarters</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>C. Vacancy status</p> <p>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>■</p> <p>D. 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>	a4. Block number	a5. Serial number	0 0 0 0	0 0 0 0	1 0 0 0	1 0 0 0	2 0 0 0	2 0 0 0	3 0 0 0	3 0 0 0	4 0 0 0	4 0 0 0	5 0 0 0	5 0 0 0	6 0 0 0	6 0 0 0	7 0 0 0	7 0 0 0	8 0 0 0	8 0 0 0	9 0 0 0	9 0 0 0
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APPENDIX B—Continued

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

<p>H13. 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>a. Electricity?</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. Gas?</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>c. Water?</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>d. Oil, coal, kerosene, wood, etc.?</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> <hr/> <p>H14. 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 <u>with</u> flue or vent, burning gas, oil, or kerosene</p> <p><input type="radio"/> Room heaters <u>without</u> 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> <hr/> <p>H15. About what time 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> <hr/> <p>H16. 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> <hr/> <p>H17. 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> <hr/> <p>H18. 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="radio"/> \$2,500 to \$4,999</p> <p><input type="radio"/> \$50 to \$249 <input type="radio"/> \$5,000 to \$9,999</p> <p><input type="radio"/> \$250 to \$2,499 <input type="radio"/> \$10,000 or more</p>	<p>H19. 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><input checked="" type="checkbox"/></p> <hr/> <p>H20. 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> <hr/> <p>H21. 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 checked="" 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><input checked="" type="checkbox"/></p> <hr/> <p>H22. 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> <hr/> <p>H23. 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><input checked="" type="checkbox"/></p>
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15 and 5 percent

15 percent

APPENDIX B—Continued

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

15 and 5 percent

5 percent

<p>H13. Answer question H13 if you pay rent for your living quarters.</p> <p>In addition to the rent entered in H12, do you also pay for—</p> <p>a. Electricity?</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. Gas?</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>c. Water?</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>d. Oil, coal, kerosene, wood, etc.?</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>H24a. 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> <hr/> <p>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>H14. How are your living quarters heated?</p> <p>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>H25a. Which fuel is used most for cooking?</p> <p><input checked="" type="radio"/> From underground pipes serving the neighborhood.</p> <p><input type="radio"/> Bottled, tank, or LP</p> <p><input type="radio"/> Electricity</p> <p><input type="radio"/> Fuel oil, kerosene, etc.</p> <p><input type="radio"/> Coal or coke</p> <p><input type="radio"/> Wood</p> <p><input type="radio"/> Other fuel</p> <p><input type="radio"/> No fuel used</p> <hr/> <p>b. Which fuel is used most for house heating?</p> <p><input checked="" type="radio"/> From underground pipes serving the neighborhood.</p> <p><input type="radio"/> Bottled, tank, or LP</p> <p><input type="radio"/> Electricity</p> <p><input type="radio"/> Fuel oil, kerosene, etc.</p> <p><input type="radio"/> Coal or coke</p> <p><input type="radio"/> Wood</p> <p><input type="radio"/> Other fuel</p> <p><input type="radio"/> No fuel used</p> <hr/> <p>c. Which fuel is used most for water heating?</p> <p><input checked="" type="radio"/> From underground pipes serving the neighborhood.</p> <p><input type="radio"/> Bottled, tank, or LP</p> <p><input type="radio"/> Electricity</p> <p><input type="radio"/> Fuel oil, kerosene, etc.</p> <p><input type="radio"/> Coal or coke</p> <p><input type="radio"/> Wood</p> <p><input type="radio"/> Other fuel</p> <p><input type="radio"/> No fuel used</p>
<p>H15. 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</p> <p><input type="radio"/> 1965 to 1968</p> <p><input type="radio"/> 1960 to 1964</p> <p><input type="radio"/> 1950 to 1959</p> <p><input type="radio"/> 1940 to 1949</p> <p><input type="radio"/> 1939 or earlier</p>	<p>H26. 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</p> <p><input type="radio"/> 1 bedroom</p> <p><input type="radio"/> 2 bedrooms</p> <p><input checked="" type="radio"/> 3 bedrooms</p> <p><input type="radio"/> 4 bedrooms</p> <p><input type="radio"/> 5 bedrooms or more</p>
<p>H16. 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>H27a. 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. 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>c. Do you have a dishwasher (built-in or portable)?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <hr/> <p>d. 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>H17. 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>H28a. 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. If "Yes"—Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83?</p> <p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>H18. 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>	<p>H29. 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> <hr/> <p>H30. 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>

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
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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

APPENDIX C—Continued

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)
OCCUPANCY CHARACTERISTICS		EQUIPMENT AND APPLIANCES	
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
VACANCY CHARACTERISTICS		FINANCIAL CHARACTERISTICS	
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
UTILIZATION CHARACTERISTICS		HOUSEHOLD CHARACTERISTICS	
Number of rooms	20	Household composition	20
Size of household (persons)	20	Income	20
Persons per room	20		
Bedrooms	5		
PLUMBING CHARACTERISTICS			
Plumbing facilities	20		
Complete bathrooms	15		
STRUCTURAL CHARACTERISTICS			
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 ¹	Number of housing units in area ²						
	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

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

² 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 ¹	Factor if sample rate is—			Characteristic ¹	Factor if sample rate is—		
	20 percent	15 percent	5 percent		20 percent	15 percent	5 percent
OCCUPANCY AND VACANCY CHARACTERISTICS				EQUIPMENT, FUELS, AND APPLIANCES			
Year moved into unit .....	...	1.1	...	Heating equipment	0.8	0.9	...
Duration of vacancy	0.8	...	1.7	Air conditioning .....	...	1.1	...
UTILIZATION CHARACTERISTICS				Automobiles available .....	...	1.0	...
Rooms	1.0	1.1	2.1	Appliances .....	...	...	1.9
Size of household (persons)	0.5	0.6	1.2	FINANCIAL CHARACTERISTICS			
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	...
PLUMBING CHARACTERISTICS				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
STRUCTURAL CHARACTERISTICS				Rent asked	1.1	...	2.5
Units in structure	0.8	0.9	1.7	HOUSEHOLD CHARACTERISTICS			
Year structure built	0.9	1.0	...	Household composition	0.6	0.7	...
				Income in 1969	1.0	1.2	2.3
				ALL OTHERS	1.0	1.2	2.2

¹Tabulations 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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