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Metropolitan Housing Characteristics

PORTLAND, OREG.-WASH.
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-171

1970 CENSUS OF HOUSING

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

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THE CENSUS

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**1970
CENSUS OF
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PORTLAND, OREG.-WASH.
STANDARD METROPOLITAN
STATISTICAL AREA

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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	—	—	—	—	—	—
Rent asked	—	—	—	10 ¹	—	10	—	—	9	—
Inclusion of utilities in rent	—	—	—	—	—	—	—	—	9	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†	—	—

¹ Vacant 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

**Portland, Oreg.-Wash.
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 171.]

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MAP

Counties, Standard Metropolitan
Statistical Areas, and Selected Places

XI

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

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		<i>Pages</i>	<i>Pages</i>	<i>Pages</i>
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[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]

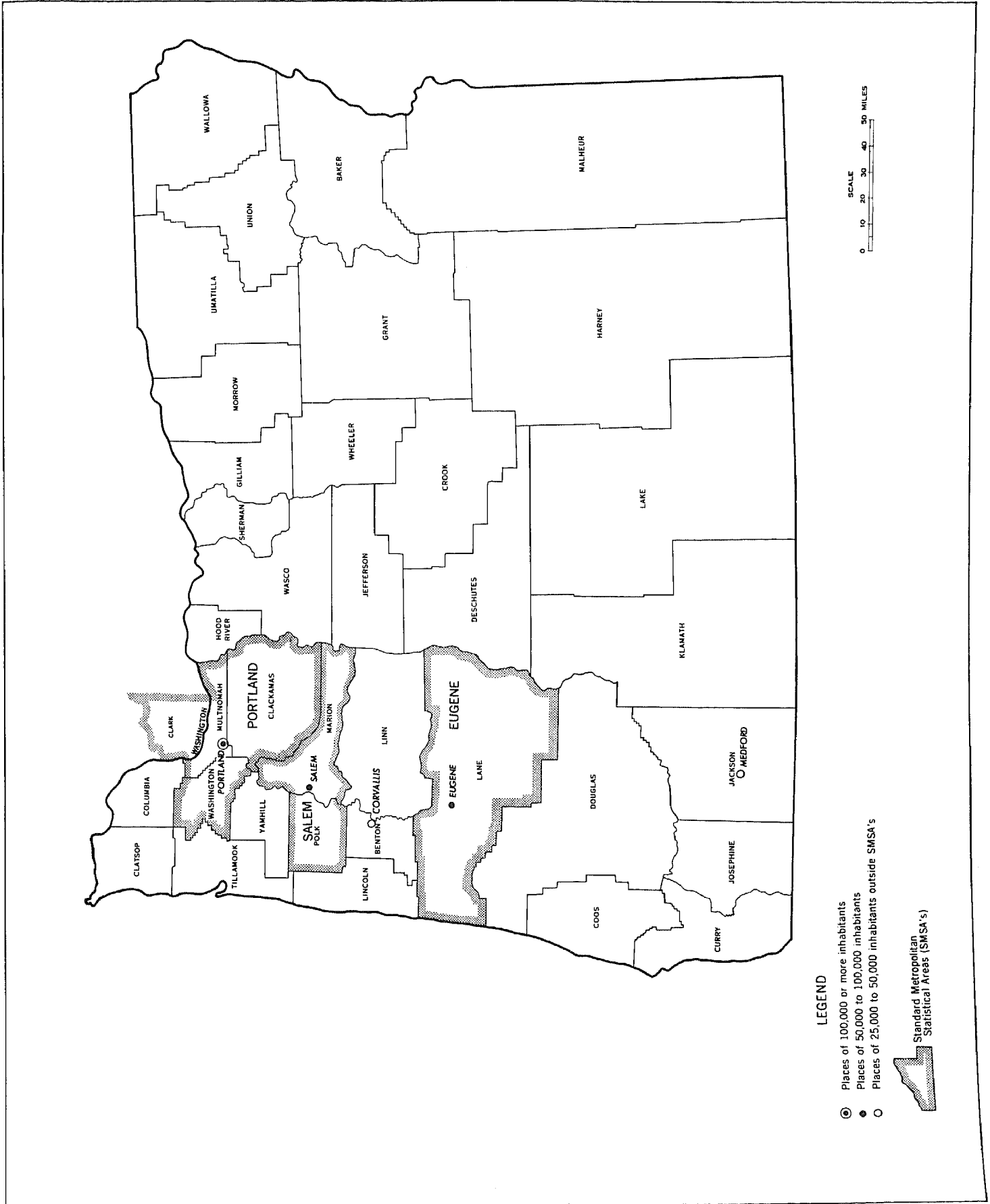
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Counties, Standard Metropolitan Statistical Areas, and Selected Places



NOTE

The data shown in the tables do not reflect corrections in the housing unit counts for certain areas in this SMSA; see "Correction Note" (page 6) in the 1970 Housing Census HC(1)-A reports.

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	193 863	2 069	7 367	16 225	25 527	27 109	49 218	29 175	23 999	9 444	3 730	16 700
ROOMS												
1 and 2 rooms	799	183	131	125	147	41	102	35	11	14	10	9 200
3 rooms	4 320	497	1 167	878	790	258	458	139	83	42	8	8 900
4 rooms	24 523	614	2 546	5 298	6 873	4 340	3 493	797	425	90	47	11 400
5 rooms	50 310	438	2 119	5 377	9 184	9 761	14 930	5 466	2 295	583	157	14 600
6 rooms	50 112	204	793	2 684	5 037	7 719	16 822	9 853	5 446	1 267	287	17 500
7 rooms	31 548	80	429	1 321	2 288	3 423	8 510	7 017	6 141	1 947	392	19 800
8 rooms or more	32 251	53	182	542	1 208	1 567	4 903	5 868	9 598	5 501	2 829	26 900
Median	5.8	4.1	4.4	4.8	5.0	5.4	5.8	6.3	7.1	7.5+	7.5+	...
PERSONS												
1 person	23 702	866	2 550	4 123	4 843	3 570	4 397	1 649	1 024	490	190	12 200
2 persons	62 188	672	2 851	6 423	10 207	9 139	15 394	7 958	5 989	2 551	1 004	15 500
3 persons	31 876	193	742	2 114	4 029	4 584	8 673	5 345	3 986	1 618	592	17 300
4 persons	34 910	111	518	1 535	2 966	4 753	9 943	6 646	5 791	1 830	817	18 800
5 persons	22 359	84	287	902	1 825	2 765	6 050	4 258	4 086	1 551	551	19 400
6 persons or more	18 828	143	419	1 128	1 657	2 298	4 761	3 319	3 123	1 404	576	18 800
Median	2.8	1.8	1.9	2.1	2.3	2.7	3.1	3.4	3.7	3.5	3.6	...
Units with roomers, boarders, or lodgers	3 571	26	191	391	439	533	844	644	314	133	56	16 100
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	192 597	1 848	7 195	16 022	25 362	26 959	49 042	29 074	23 957	9 421	3 717	16 800
0.50 or less	113 558	1 184	5 009	10 754	16 102	15 111	26 096	15 668	14 079	6 751	2 804	16 500
0.51 to 1.00	72 843	561	1 795	4 408	8 176	10 746	21 430	12 624	9 600	2 594	909	17 400
1.01 to 1.50	5 444	65	322	733	926	1 006	1 346	733	233	76	4	14 200
1.51 or more	752	38	69	127	158	96	170	49	45	-	-	12 200
Lacking some or all plumbing facilities	1 266	221	172	203	165	150	176	101	42	23	13	10 500
0.50 or less	783	123	124	122	112	92	93	64	26	14	13	10 500
0.51 to 1.00	386	70	32	61	37	51	83	37	10	5	-	12 000
1.01 to 1.50	57	6	9	15	16	7	-	-	-	-	-	...
1.51 or more	40	22	7	5	-	-	-	-	6	-	-	...
BEDROOMS												
None and 1	8 866	734	2 186	1 976	1 755	701	913	332	101	128	40	9 400
2	56 136	920	3 619	8 622	12 878	11 138	11 512	4 042	2 298	809	298	13 000
3	85 408	206	1 432	3 529	8 207	11 378	27 468	17 102	11 720	3 191	1 175	18 200
4 or more	43 675	112	606	1 499	2 886	4 795	8 729	7 163	9 987	5 498	2 400	22 200
YEAR STRUCTURE BUILT												
1969 to March 1970	4 986	29	24	39	45	69	864	1 341	1 625	659	291	25 500
1965 to 1968	18 395	43	92	117	224	473	3 714	5 104	5 699	2 194	735	24 400
1960 to 1964	22 409	81	80	219	730	1 466	6 204	5 670	5 278	1 949	732	22 100
1950 to 1959	45 887	159	593	1 627	4 238	6 672	14 532	8 671	6 162	2 429	784	18 200
1940 to 1949	32 010	351	1 430	2 937	5 763	6 176	9 241	3 130	1 922	715	345	14 700
1939 or earlier	70 176	1 406	5 148	11 286	14 527	12 253	14 643	5 259	3 313	1 498	843	13 100
COMPLETE BATHROOMS												
1 and 1 1/2	142 995	1 704	6 709	15 677	24 386	25 049	42 732	17 529	7 427	1 506	276	14 800
2 and 2 1/2	40 017	48	108	333	800	1 462	6 251	11 193	13 867	4 697	1 258	24 900
3 or more	8 755	7	5	30	20	41	187	447	2 734	3 120	2 164	39 400
None or also used by another household	2 108	337	407	341	295	231	264	144	44	27	18	9 800
HOUSEHOLD COMPOSITION												
Two-or-more-person households	170 161	1 203	4 817	12 102	20 684	23 539	44 821	27 526	22 975	8 954	3 540	17 400
Male head, wife present, no nonrelatives	151 425	880	3 770	9 516	17 572	20 339	40 708	25 532	21 441	8 438	3 229	17 800
Under 25 years	3 136	22	93	319	559	691	1 005	307	105	969	155	18 200
25 to 34 years	26 860	109	364	1 008	2 382	3 996	8 666	5 371	3 840	2 631	924	20 200
35 to 44 years	33 304	115	406	1 246	2 421	3 642	8 526	6 658	6 345	4 050	1 835	17 800
45 to 64 years	65 388	330	1 482	4 060	7 924	8 569	17 192	10 768	9 178	4 050	1 835	17 800
65 years and over	22 737	304	1 425	2 883	4 286	3 441	5 319	2 428	1 978	771	297	14 300
Other male head	5 114	80	330	617	796	550	1 174	547	445	200	175	14 900
Under 65 years	3 915	31	247	440	579	758	1 947	432	372	176	133	15 500
65 years and over	1 199	49	83	177	217	192	227	115	73	24	42	13 500
Female head	13 622	243	1 066	2 503	4 843	4 397	8 743	4 397	1 649	1 024	490	12 400
Under 65 years	10 126	137	424	1 203	2 170	1 856	2 297	1 177	955	59	21	12 400
65 years and over	3 496	106	642	1 303	1 673	1 541	6 446	3 220	6 743	1 024	490	19 200
One-person households	23 702	886	2 550	4 123	4 843	3 570	4 397	1 649	1 024	490	190	12 200
Under 65 years	9 833	298	906	1 439	2 018	1 618	1 966	799	482	242	65	12 900
65 years and over	13 869	588	1 644	2 684	2 825	1 952	2 431	850	542	248	125	11 800
INCOME IN 1969												
Less than \$2,000	14 047	706	1 880	2 757	2 778	1 954	2 110	847	627	254	134	11 500
\$2,000 to \$2,999	8 386	232	894	1 614	1 867	1 375	1 428	493	300	127	56	11 900
\$3,000 to \$3,999	7 573	231	786	1 192	1 634	1 176	1 511	590	337	65	21	12 400
\$4,000 to \$4,999	7 523	178	510	1 161	1 643	1 276	1 654	620	341	104	36	13 000
\$5,000 to \$5,999	6 961	156	420	959	1 362	1 308	1 598	604	366	145	43	13 600
\$6,000 to \$6,999	8 034	66	543	996	1 571	1 416	1 984	839	439	131	49	14 000
\$7,000 to \$9,999	35 392	256	1 109	3 663	5 987	6 330	10 310	4 607	2 324	655	151	15 200
\$10,000 to \$14,999	59 265	196	933	2 897	6 388	8 743	18 431	11 213	8 124	1 925	415	17 700
\$15,000 to \$24,999	36 273	43	226	860	1 990	3 151	9 202	8 093	8 551	3 346	811	21 600
\$25,000 or more	10 409	5	66	126	307	380	990	1 269	2 590	2 662	2 014	33 000
Median	\$10 800	\$3 400	\$4 200	\$6 400	\$8 000	\$9 400	\$11 100	\$12 700	\$14 500	\$18 800	\$28 000	...
YEAR MOVED INTO UNIT												
1969 to March 1970	22 197	203	446	1 286	1 754	2 583	5 448	4 199	4 222	1 450	606	19 400
1968	16 715	146	301	872	1 436	1 804	4 165	3 256	3 157	1 283	347	19 500
1967	12 876	111	373	674	1 465	1 411	3 402	2 441	2 043	833	273	18 700
1965 and 1966	22 547	169	585	1 295	2 077	2 769	6 094	4 277	3 363	1 410	508	18 600
1960 to 1964	38 623	245	1 140	2 591	4 311	5 246	10 629	6 316	5 278	2 021	846	17 500
1950 to 1959	47 514	460	2 024	4 315	7 460	7 433	12 383	6 277	4 471	1 960	731	15 700
1949 or earlier	33 403	762	2 360	5 348	6 998	5 537	7 313	2 547	1 538	595	405	13 100
HEATING EQUIPMENT												
Steam or hot water	5 061	14	38	103	333	395	881	735	1 078	840	644	25 300
Warm-air furnace	127 061	381	2 191	7 743	14 331	18 207	34 818	21 220	18 171	7 353	2 646	17 800
Built-in electric units</												

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	116 836	6 367	3 965	5 423	7 000	17 770	20 214	26 658	20 141	4 186	583	4 529	115
ROOMS													
1 room	7 423	3 341	740	670	472	845	414	368	222	69	13	269	53
2 rooms	10 445	1 291	1 260	1 447	1 516	1 638	1 217	1 232	431	54	51	308	77
3 rooms	25 197	1 140	934	1 745	2 545	6 534	5 117	4 710	1 415	233	41	783	98
4 rooms	34 965	387	573	892	1 441	4 848	7 063	10 716	7 186	705	78	1 076	125
5 rooms	21 708	149	309	374	643	2 547	4 035	5 804	5 846	1 022	95	884	132
6 rooms	10 043	20	88	170	216	892	1 542	2 385	2 943	1 104	125	558	143
7 rooms	4 256	33	55	76	120	325	565	901	1 301	569	57	254	148
8 rooms or more	2 799	6	6	49	47	141	261	542	797	430	123	397	159
Median	3.9	1.5	2.5	2.8	3.1	3.5	4.0	4.2	4.6	5.5	5.6	4.3	...
PERSONS													
1 person	41 112	5 485	2 576	3 376	4 087	7 931	6 198	6 296	2 844	488	80	1 751	90
2 persons	33 992	599	770	1 193	1 705	5 350	6 294	8 723	6 482	1 127	249	1 500	121
3 persons	17 519	135	295	379	615	2 050	3 536	5 263	4 057	653	52	484	129
4 persons	11 938	106	202	171	236	1 266	2 179	3 262	3 202	800	79	435	135
5 persons	6 292	10	53	142	168	660	1 011	1 620	1 852	518	52	206	139
6 persons or more	5 983	32	69	162	189	513	996	1 494	1 704	600	71	153	139
Median	2.0	1.1	1.3	1.3	1.4	1.7	2.1	2.3	2.7	3.2	2.3	1.8	...
Units with roomers, boarders, or lodgers	3 429	53	65	91	171	473	560	896	825	139	40	116	128
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities													
0.50 or less	110 316	2 956	3 108	4 750	6 633	17 445	20 030	26 373	20 099	4 165	583	4 174	118
0.51 to 1.00	59 178	1 720	1 899	2 963	4 279	10 086	10 403	13 319	9 529	1 899	317	2 764	114
1.01 to 1.50	45 244	1 147	1 106	1 531	2 095	6 446	8 490	11 559	9 317	2 046	251	1 256	123
1.51 or more	4 844	26	71	126	183	723	987	1 266	1 135	203	15	109	126
Lacking some or all plumbing facilities	1 050	63	32	130	76	190	150	229	118	17	—	45	102
0.50 or less	6 520	3 411	857	673	367	325	184	285	42	21	—	355	50—
0.51 to 1.00	2 065	732	342	323	150	192	81	89	27	4	—	125	57
1.01 to 1.50	4 124	2 585	445	327	187	121	91	192	10	8	—	158	50—
1.51 or more	53	5	16	13	10	—	—	4	—	—	—	5	...
Median	278	89	54	10	20	12	12	—	5	9	—	67	53
BEDROOMS													
None	11 345	3 514	1 198	1 566	1 497	1 769	913	263	189	82	—	354	65
1	37 098	2 111	1 850	2 646	3 558	9 315	7 357	6 760	2 248	205	107	941	97
2	45 781	398	656	915	1 545	5 153	8 943	14 115	11 104	1 109	124	1 719	129
3 or more	22 551	91	302	351	443	1 733	2 852	4 982	7 450	2 570	298	1 479	149
YEAR STRUCTURE BUILT													
1969 to March 1970	6 031	363	40	68	60	187	273	1 629	2 773	496	42	100	156
1965 to 1968	16 023	344	135	76	178	576	1 663	5 606	5 726	1 177	185	357	146
1960 to 1964	13 018	287	204	252	208	674	2 294	4 723	3 015	901	95	365	135
1950 to 1959	16 745	304	260	388	583	2 099	3 713	4 519	3 220	761	135	763	124
1940 to 1949	19 629	552	688	885	1 224	4 303	4 697	4 131	2 063	360	37	689	108
1939 or earlier	45 390	4 517	2 638	3 754	4 747	9 931	7 574	6 050	3 344	491	89	2 255	92
ELEVATOR IN STRUCTURE													
4 floors or more	10 728	1 848	648	875	988	1 794	1 230	1 170	1 269	495	187	224	90
With elevator	9 982	1 588	630	812	859	1 667	1 189	1 149	1 249	473	187	179	92
Walk-up	746	260	18	63	129	127	41	21	22	—	—	45	71
1 to 3 floors	106 047	4 266	3 358	4 603	6 055	16 176	18 835	24 950	19 722	3 471	342	4 269	117
COMPLETE BATHROOMS													
1 and 1/2	103 496	2 657	2 872	4 555	6 282	16 894	19 695	25 870	18 432	2 471	129	3 639	117
2 or more	5 117	55	59	45	79	220	168	449	1 315	1 770	479	478	197
None or also used by another household	8 158	3 744	1 001	833	587	639	336	456	70	40	—	452	51
INCOME IN 1969													
Less than \$2,000	19 159	3 604	1 530	1 783	1 885	3 379	2 067	2 321	1 079	295	16	1 200	81
\$2,000 to \$2,999	9 966	906	720	938	983	1 989	1 580	1 457	821	94	15	463	93
\$3,000 to \$3,999	9 100	448	435	592	958	1 780	1 748	1 842	822	120	4	351	102
\$4,000 to \$4,999	8 793	344	303	488	681	1 856	1 821	1 838	1 006	118	—	338	106
\$5,000 to \$5,999	8 917	284	216	321	521	1 727	1 977	2 098	1 297	163	21	292	113
\$6,000 to \$6,999	9 345	220	169	414	424	1 511	2 109	2 440	1 529	165	30	334	117
\$7,000 to \$9,999	23 882	383	334	622	968	3 295	4 898	7 018	4 772	736	74	782	124
\$10,000 to \$14,999	19 693	136	182	194	418	1 787	3 216	5 916	5 937	1 259	109	539	138
\$15,000 to \$24,999	6 447	32	53	55	116	368	705	1 477	2 390	944	130	177	157
\$25,000 or more	1 534	10	23	16	46	78	93	251	488	292	184	53	173
Median	\$6 300	\$2 000—	\$2 600	\$3 000	\$3 700	\$4 900	\$6 400	\$7 600	\$9 200	\$11 600	\$16 700	\$4 700	...
YEAR MOVED INTO UNIT													
1969 to March 1970	61 352	2 795	1 561	2 124	2 991	7 895	10 375	16 072	13 431	2 713	301	1 094	124
1968	17 092	993	516	659	957	2 453	3 161	4 268	2 869	603	71	542	117
1967	9 580	511	329	513	538	1 641	1 796	2 164	1 189	446	84	369	112
1965 and 1966	9 544	495	453	572	565	1 883	1 786	1 929	1 110	244	63	444	107
1960 to 1964	10 566	995	560	822	996	2 046	2 003	1 498	836	161	40	609	96
1950 to 1959	6 430	446	399	506	682	1 461	879	688	323	99	49	898	90
1949 or earlier	2 207	221	114	237	219	374	199	156	59	15	—	613	80
GROSS RENT AS PERCENTAGE OF INCOME													
less than 10 percent	7 375	1 057	613	541	684	1 425	1 110	984	740	172	49	...	90
10 to 14 percent	18 698	683	513	947	1 155	3 336	3 924	4 482	3 035	506	117	...	114
15 to 19 percent	20 954	560	355	570	926	2 985	4 328	5 963	4 399	810	58	...	124
20 to 24 percent	15 520	626	466	478	657	2 051	2 889	3 983	3 584	715	71	...	124
25 to 34 percent	17 450	1 280	546	792	981	2 268	2 810	4 336	3 528	833	76	...	120
35 percent or more	30 468	1 363	1 893	2 442	2 442	5 339	4 867	6 655	4 675	1 101	201	...	109
Not computed	6 371	229	109	202	155	366	286	255	180	49	11	4 529	93
AIR CONDITIONING													
Room unit(s)	5 925	249	148	123	226	559	672	1 287	1 643	616	63	339	139
Central system	2 163	246	48	73	68	332	150	319	469	286	80	92	131
None	108 683	5 961	3 736	5 237	6 654	16 862	19 377	25 169	17 705	3 379	465	4 138	114

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 -----	221 859	17 272	10 264	9 215	9 054	8 356	9 636	40 907	65 989	39 772	11 394	10 500
ROOMS												
1 and 2 rooms -----	2 936	824	384	278	210	175	146	381	353	147	38	3 900
3 rooms -----	7 681	1 800	835	728	468	450	516	1 354	1 126	319	85	5 000
4 rooms -----	31 510	4 513	2 906	2 384	2 120	1 807	2 400	6 588	6 440	2 390	322	7 000
5 rooms -----	56 522	4 912	3 240	2 765	2 989	2 759	2 996	12 371	16 422	6 918	1 150	9 100
6 rooms -----	54 124	2 818	1 721	1 699	1 892	1 719	2 154	10 817	18 909	10 387	2 013	11 100
7 rooms or more -----	69 086	2 405	1 178	1 361	1 375	1 446	1 784	9 401	22 739	19 611	7 786	13 400
PERSONS												
1 person -----	30 185	10 963	4 589	2 881	2 172	1 810	1 622	3 373	1 993	558	224	2 900
2 persons -----	72 592	3 955	4 411	4 727	4 893	4 088	4 504	14 267	18 484	10 107	3 104	9 000
3 and 4 persons -----	73 710	1 674	946	1 200	1 455	1 694	2 557	14 759	27 625	17 334	4 516	12 300
5 persons -----	24 266	353	181	232	277	336	478	4 748	9 782	6 077	1 802	12 800
6 persons or more -----	21 106	327	137	175	257	428	475	3 760	8 103	5 696	1 748	13 100
Units with roomers, boarders, or lodgers -----	4 065	568	353	241	173	175	249	802	802	524	178	8 000
BEDROOMS												
Less than 3 -----	81 427	10 979	6 387	5 704	5 277	4 729	5 367	16 191	17 926	7 210	1 657	7 400
3 -----	93 406	3 889	2 345	2 504	2 571	2 526	3 539	18 030	34 193	19 634	4 175	11 700
4 or more -----	47 201	1 688	850	1 060	1 271	990	1 174	6 219	15 316	12 856	5 777	13 400
YEAR STRUCTURE BUILT												
1969 to March 1970 -----	7 018	284	160	145	170	203	266	1 315	2 476	1 573	426	12 000
1960 to 1968 -----	50 261	2 100	1 162	1 170	1 202	1 283	1 666	8 409	17 798	11 905	3 566	12 300
1950 to 1959 -----	50 643	2 799	1 546	1 532	1 592	1 664	1 940	9 245	16 345	10 819	3 161	11 500
1949 or earlier -----	113 937	12 089	7 396	6 368	6 090	5 206	5 764	21 938	29 370	15 475	4 241	8 900
YEAR MOVED INTO UNIT												
1969 to March 1970 -----	27 332	1 599	805	804	943	934	1 115	6 116	9 045	4 743	1 228	10 700
1968 -----	19 994	915	536	527	480	627	860	3 898	7 106	3 983	1 062	11 500
1960 to 1967 -----	84 442	4 364	2 745	2 467	2 721	2 816	3 347	16 465	28 067	16 800	4 650	11 300
1959 or earlier -----	90 099	10 621	6 361	5 400	4 854	4 047	4 185	14 610	21 275	14 339	4 407	9 000
SELECTED CHARACTERISTICS												
Automatic clothes washing machine -----	187 190	9 282	5 794	6 298	6 699	6 161	7 657	34 189	62 012	37 914	11 184	11 400
Clothes dryer -----	164 704	6 646	3 920	4 636	4 846	4 716	6 494	30 044	57 260	35 551	10 591	11 800
Dishwasher -----	101 161	2 464	1 450	1 892	2 067	2 028	2 882	15 088	35 970	27 724	9 596	13 200
Home food freezer -----	120 712	5 174	3 598	4 113	4 500	3 436	5 038	21 695	40 173	25 209	7 576	11 600
Owned second home -----	12 186	445	223	416	205	384	425	1 501	3 781	3 014	1 792	13 300
With air conditioning -----	22 145	1 375	824	843	806	784	1 049	3 760	6 329	4 487	1 888	11 300
Room unit(s) -----	14 768	797	510	511	485	494	674	2 674	4 538	3 100	985	11 400
Central system -----	7 377	578	314	332	321	290	375	1 066	1 791	1 387	903	11 100
Automobiles available:												
1 -----	94 525	7 547	5 850	5 821	6 439	5 568	5 964	22 120	24 444	9 052	1 720	8 400
2 -----	88 895	1 677	894	1 276	1 258	1 751	2 536	15 574	34 187	22 890	6 852	12 800
3 or more -----	19 609	394	101	122	154	275	294	1 974	5 937	7 678	2 680	15 700
Renter occupied housing units -----	119 646	19 487	10 183	9 277	8 935	9 150	9 605	24 511	20 260	6 664	1 574	6 300
ROOMS												
1 room -----	7 463	3 335	1 115	705	564	450	337	591	245	85	36	2 400
2 rooms -----	10 486	3 119	1 435	1 170	928	769	711	1 372	709	176	97	3 600
3 rooms -----	25 451	5 535	2 797	2 460	2 378	2 133	2 151	4 661	2 504	623	209	4 800
4 rooms -----	35 657	4 154	2 706	2 729	2 629	2 996	3 248	7 915	6 706	2 121	453	6 800
5 rooms -----	22 303	1 977	1 309	1 241	1 465	1 709	1 776	5 418	5 361	1 733	314	7 900
6 rooms or more -----	18 286	1 367	821	972	971	1 093	1 382	4 554	4 735	1 926	465	8 700
PERSONS												
1 person -----	41 571	13 423	5 313	4 148	3 568	3 265	2 969	5 426	2 464	670	325	3 500
2 persons -----	34 617	3 201	2 718	2 695	2 743	2 743	2 960	7 463	6 982	2 467	645	7 100
3 and 4 persons -----	30 326	2 176	1 625	1 789	1 909	2 326	2 650	7 860	7 290	2 307	394	8 000
5 persons -----	6 703	371	308	318	334	406	580	1 908	1 802	585	91	8 600
6 persons or more -----	6 429	316	219	327	381	410	446	1 054	1 722	635	119	8 800
Units with roomers, boarders, or lodgers -----	3 510	666	452	441	404	266	325	577	254	111	14	4 500
BEDROOMS												
None -----	11 365	4 651	1 907	1 164	889	629	454	966	488	85	132	2 500
1 -----	37 500	8 410	4 558	3 417	3 049	2 958	2 955	7 135	3 601	965	452	4 800
2 -----	46 617	4 838	3 050	3 212	3 060	3 628	3 975	11 382	9 671	3 193	608	7 400
3 or more -----	24 009	2 140	1 054	1 225	1 252	1 543	1 810	5 807	6 154	2 388	636	8 500
YEAR STRUCTURE BUILT												
1969 to March 1970 -----	6 060	805	399	264	251	461	405	1 328	1 413	619	115	8 000
1960 to 1968 -----	29 260	2 903	1 666	1 832	1 887	2 208	2 497	6 808	6 411	2 437	611	7 700
1950 to 1959 -----	17 111	2 072	1 154	1 258	1 267	1 232	1 523	3 958	3 381	986	280	7 000
1949 or earlier -----	67 215	13 707	6 964	5 923	5 530	5 249	5 180	12 417	9 055	2 622	568	5 300
YEAR MOVED INTO UNIT												
1969 to March 1970 -----	62 478	9 314	4 955	5 236	5 012	5 304	5 161	13 104	10 527	3 262	603	6 300
1968 -----	17 559	2 292	1 114	1 141	1 249	1 153	1 511	4 041	3 634	1 121	303	7 200
1960 to 1967 -----	30 501	5 362	2 844	2 184	2 136	2 220	2 491	5 811	5 152	1 878	423	6 200
1959 or earlier -----	9 100	2 363	1 112	767	683	573	570	1 355	1 076	427	174	4 500
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹ -----	116 836	19 159	9 966	9 100	8 793	8 917	9 345	23 882	19 693	6 447	1 534	6 300
Less than 15 percent -----	26 073	22	69	252	481	697	1 127	5 817	10 691	5 454	1 463	12 100
15 to 19 percent -----	20 954	79	273	407	864	1 370	2 193	8 593	6 517	6 448	10	8 800
20 to 24 percent -----	15 520	240	635	887	1 515	2 232	2 376	5 945	1 533	149	8	6 900
25 to 34 percent -----	17 450	1 180	1 585	2 557	3 175	3 173	2 924	2 476	361	19	--	5 100
35 percent or more -----	30 468	14 596	6 941	4 646	2 420	1 153	391	269	52	--	--	2 100
Not computed -----	6 371	3 042	463	351	338	292	334	782	539	177	53	2 300
SELECTED CHARACTERISTICS												
Automatic clothes washing machine -----	57 831	6 467	3 740	3 674	3 219	4 100	4 370	13 743	12 887	4 606	1 025	7 700
Clothes dryer -----	48 436	4 874	2 664	2 720	2 600	3 115	3 582	11 934	11 813	4 158	976	8 200
Dishwasher -----	25 845	2 110	985	1 154	1 051	1 323	1 807	6 135	7 075	3 274	931	9 200
Home food freezer -----	17 585	1 575	795	1 045	836	1 037	1 086	4 553	4 720	1 440	498	8 600
Owned second home -----	2 794	322	260	168	273	174	152	526	439	350	130	7 500
With air conditioning -----	8 206	1 291	539	440	484	509	570	1 572	1 694	859	248	7 500
Room unit(s) -----	5 987	785	294	299	337	383	426	1 176				

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	221 859	219 544	129 767	82 170	6 490	1 117	2 315	1 397	726	101	91
PERSONS											
1 person.....	30 185	29 238	28 805	28 433	—	—	947	784	163	—	—
2 persons.....	72 592	71 923	67 993	3 782	—	148	669	484	169	—	16
3 persons.....	35 939	35 674	21 297	14 262	100	15	265	119	137	4	5
4 persons.....	37 771	37 630	7 944	29 350	253	83	141	—	124	7	—
5 persons.....	24 266	24 168	3 728	19 311	939	190	98	10	58	11	19
6 persons or more.....	21 106	20 911	—	15 032	5 198	681	195	—	75	69	51
Median.....	2.7	2.7	2.0	4.3	6.5	6.8	1.8	1.4	2.7	6.6	...
Units with roomers, boarders, or lodgers.....	4 065	3 998	1 759	1 900	282	57	67	29	28	—	10
YEAR STRUCTURE BUILT											
1969 to March 1970.....	6 904	6 837	3 636	2 936	221	44	67	21	46	—	—
1965 to 1968.....	23 617	23 473	12 279	10 431	624	139	144	36	94	6	8
1960 to 1964.....	26 748	26 602	13 319	12 395	766	122	146	82	47	11	6
1950 to 1959.....	30 357	49 943	27 587	20 602	1 557	197	414	261	105	20	28
1940 to 1949.....	34 810	34 455	20 787	12 323	1 062	283	355	214	126	7	8
1939 or earlier.....	79 431	78 273	51 840	23 826	2 240	367	1 158	775	309	54	20
INCOME IN 1969											
Less than \$2,000.....	17 272	16 649	14 588	1 905	105	51	623	486	110	—	27
\$2,000 to \$2,999.....	10 264	9 972	8 601	1 249	103	19	292	220	66	6	—
\$3,000 to \$3,999.....	9 215	9 030	7 448	1 452	93	37	185	121	44	5	15
\$4,000 to \$4,999.....	9 054	8 936	7 095	1 631	175	35	118	73	40	—	5
\$5,000 to \$5,999.....	8 356	8 248	6 106	1 884	185	73	108	74	24	6	4
\$6,000 to \$6,999.....	9 636	9 524	6 555	2 652	253	64	112	62	45	5	—
\$7,000 to \$9,999.....	40 907	40 570	21 130	17 614	1 549	277	337	143	150	19	23
\$10,000 to \$14,999.....	65 989	65 636	30 918	31 766	2 640	312	353	129	158	55	11
\$15,000 to \$24,999.....	39 772	39 638	20 079	18 195	1 205	159	134	40	83	5	6
\$25,000 or more.....	11 394	11 341	7 247	3 822	182	90	53	47	6	—	—
Median.....	\$10 500	\$10 500	\$9 100	\$12 000	\$11 500	\$10 900	\$4 500	\$3 000	\$7 700	\$10 900	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	193 863	192 597	113 558	72 843	5 444	752	1 266	783	386	57	40
Less than 1.5.....	75 232	74 784	36 955	34 154	3 222	453	448	200	189	43	16
1.5 to 1.9.....	40 149	39 977	20 631	18 100	1 083	163	172	96	65	5	6
2.0 to 2.4.....	23 823	23 738	13 556	9 576	554	52	85	46	39	—	—
2.5 to 2.9.....	13 557	13 473	8 766	4 443	239	25	84	54	19	5	6
3.0 to 3.9.....	13 541	13 435	10 174	3 098	147	16	106	94	12	—	—
4.0 or more.....	26 072	25 717	22 347	3 163	171	36	355	277	62	4	12
Not computed.....	1 489	1 473	1 329	309	28	7	16	16	—	—	—
HEATING EQUIPMENT											
Steam or hot water.....	6 385	6 333	4 312	1 923	75	23	52	20	32	—	—
Warm-air furnace.....	140 135	139 362	82 457	53 119	3 302	484	773	491	243	23	16
Built-in electric units.....	39 634	39 327	21 833	15 892	1 409	193	307	188	99	15	5
Floor, wall, or pipeless furnace.....	9 014	8 924	5 470	2 987	382	85	90	62	23	5	—
Other means.....	26 631	25 543	15 661	8 228	1 322	332	1 088	636	329	58	65
None.....	60	55	34	21	—	—	5	—	—	—	5
Renter occupied housing units	119 646	112 968	60 312	46 514	5 037	1 105	6 678	2 155	4 170	53	300
PERSONS											
1 person.....	41 571	36 003	32 774	3 229	—	—	5 568	1 903	3 665	—	—
2 persons.....	34 617	33 906	23 658	9 957	—	291	711	224	318	—	169
3 persons.....	17 975	17 810	3 030	14 487	243	50	165	21	100	28	16
4 persons.....	12 351	12 234	612	10 999	548	75	117	7	60	10	40
5 persons.....	6 703	6 655	238	4 907	1 314	194	48	—	27	6	15
6 persons or more.....	6 429	6 360	—	2 935	2 932	493	69	—	9	9	60
Median.....	2.0	2.1	1.4	3.2	5.8	5.2	1.1	1.1	1.1	...	2.4
Units with roomers, boarders, or lodgers.....	3 510	3 401	1 429	1 717	202	53	109	40	45	5	19
YEAR STRUCTURE BUILT											
1969 to March 1970.....	6 065	6 039	3 015	2 746	229	49	26	7	19	—	—
1965 to 1968.....	16 028	15 934	8 818	6 561	435	120	94	53	20	12	9
1960 to 1964.....	13 146	13 038	7 036	5 459	504	39	108	37	58	—	13
1950 to 1959.....	17 028	16 711	8 126	7 651	791	143	317	122	151	7	37
1940 to 1949.....	20 534	19 983	10 187	8 474	1 095	227	551	235	295	10	11
1939 or earlier.....	46 837	41 208	23 135	15 601	1 957	515	5 629	1 840	3 565	31	193
INCOME IN 1969											
Less than \$2,000.....	19 487	16 449	11 353	4 625	338	133	3 038	915	2 034	—	89
\$2,000 to \$2,999.....	10 183	9 107	5 605	3 174	237	91	1 076	353	672	24	27
\$3,000 to \$3,999.....	9 277	8 635	5 027	3 247	272	89	642	237	355	15	35
\$4,000 to \$4,999.....	8 935	8 455	4 823	3 199	331	102	480	191	258	4	27
\$5,000 to \$5,999.....	9 150	8 777	4 897	3 462	340	78	373	116	219	5	33
\$6,000 to \$6,999.....	9 605	9 309	4 999	3 764	422	124	296	86	189	—	21
\$7,000 to \$9,999.....	24 511	24 044	10 816	11 511	1 458	259	467	137	292	5	38
\$10,000 to \$14,999.....	20 260	20 053	8 695	10 009	1 211	138	207	90	112	5	—
\$15,000 to \$24,999.....	6 664	6 575	3 141	3 008	365	61	89	24	39	—	26
\$25,000 or more.....	1 574	1 564	956	515	63	30	10	6	—	—	4
Median.....	\$6 300	\$6 500	\$5 700	\$7 500	\$8 200	\$6 500	\$2 300	\$2 500	\$2 100	...	\$4 000
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	116 836	110 316	59 178	45 244	4 844	1 050	6 520	2 065	4 124	53	278
Less than 10 percent.....	7 375	6 608	3 170	2 915	373	150	767	191	522	—	54
10 to 14 percent.....	18 698	17 934	8 353	8 401	1 001	179	764	212	511	—	41
15 to 19 percent.....	20 954	20 261	9 691	9 266	1 097	207	693	232	421	14	26
20 to 24 percent.....	15 520	14 963	7 401	6 749	704	109	557	173	364	10	10
25 to 34 percent.....	17 450	16 338	9 054	6 485	717	82	1 112	299	766	20	27
35 percent or more.....	30 468	28 428	17 836	9 553	773	266	2 040	776	1 207	4	53
Not computed.....	6 371	5 784	3 673	1 875	179	57	587	182	333	5	67
HEATING EQUIPMENT											
Steam or hot water.....	21 659	18 144	12 331	5 438	205	170	3 515	669	2 758	22	66
Warm-air furnace.....	30 849	29 546	14 453	13 412	1 443	238	1 303	553	688	4	58
Built-in electric units.....	40 471	40 088	21 796	16 692	1 374	226	383	209	144	—	30
Floor, wall, or pipeless furnace.....	5 962	5 812	2 619	2 709	448	36	150	56	81	—	13
Other means.....	20 550	19 248	9 066	8 193	1 554	435	1 302	653	494	22	133
None.....	155	130	47	70	13	—	25	15	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—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	221 859	812	2 124	7 681	31 510	56 522	54 124	34 184	34 902	5.7
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	218 001	604	1 726	7 182	30 399	55 673	53 997	33 774	34 646	5.7
PERSONS										
1 person	30 185	596	1 211	3 198	8 319	8 736	4 674	2 127	1 324	4.7
2 persons	72 592	164	686	3 265	15 088	23 280	17 023	8 029	5 057	5.2
3 persons	35 939	20	104	637	4 152	9 610	10 253	6 133	5 030	5.8
4 persons	37 771	12	71	270	2 437	8 238	11 137	7 662	7 944	6.2
5 persons	24 266	9	38	142	950	4 121	6 523	5 201	7 262	6.6
6 persons or more	21 106	11	14	149	564	2 537	4 514	5 032	8 285	7.0
Median	2.7	1.2	1.4	1.7	2.0	2.3	3.0	3.6	4.3	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	219 544	628	1 874	7 324	31 059	56 075	53 819	33 953	34 812	5.7
0.50 or less	129 767	—	1 035	3 031	23 041	31 726	31 737	16 172	23 025	5.7
0.51 to 1.00	82 170	433	631	3 754	6 538	21 853	20 526	17 022	11 413	5.9
1.01 to 1.50	6 490	—	100	253	1 294	2 301	1 476	692	374	5.2
1.51 or more	1 117	195	108	286	186	195	80	67	—	3.4
Lacking some or all plumbing facilities	2 315	184	250	357	451	447	305	231	90	4.3
0.50 or less	1 397	—	176	167	366	290	213	117	68	4.5
0.51 to 1.00	726	163	55	148	51	116	61	110	22	3.5
1.01 to 1.50	101	—	4	17	16	3	26	4	—	4.9
1.51 or more	91	21	15	25	18	7	5	—	—	...
BEDROOMS										
None and 1	14 269	617	2 241	5 443	4 485	1 061	321	43	58	3.3
2	67 158	—	—	1 964	27 049	29 429	6 570	1 430	716	4.7
3	93 406	—	—	—	1 223	25 462	40 787	17 649	8 285	6.0
4 or more	47 201	—	—	—	—	572	5 840	14 860	25 989	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	7 018	42	68	189	952	1 503	1 607	1 172	1 485	6.0
1960 to 1968	50 261	369	708	1 758	4 798	10 438	12 866	7 945	11 379	6.0
1950 to 1959	50 643	115	637	1 551	6 601	13 376	14 087	7 249	7 027	5.7
1949 or earlier	113 937	286	711	4 183	19 159	31 205	25 564	17 818	15 011	5.6
COMPLETE BATHROOMS										
1 and 1 1/2	164 809	592	1 703	6 933	29 165	50 346	42 264	21 660	12 146	5.4
2 or more	53 531	26	39	297	1 324	5 426	11 778	12 120	22 521	7.1
None or also used by another household	3 527	242	321	507	733	731	501	374	118	4.4
VALUE-INCOME RATIO										
Specified owner occupied¹	193 863	196	603	4 320	24 523	50 310	50 112	31 548	32 251	5.8
Less than 1.5	75 232	78	218	1 602	9 837	20 059	20 001	12 201	11 236	5.8
1.5 to 1.9	40 149	34	59	595	3 484	9 750	11 369	7 571	7 267	6.0
2.0 to 2.9	37 380	44	74	523	3 951	8 507	9 614	6 667	8 000	6.1
3.0 or more	39 613	40	224	1 511	7 019	11 578	8 818	4 899	5 524	5.5
Not computed	1 489	—	28	89	232	416	310	210	204	5.5
Renter occupied housing units	119 646	7 463	10 486	25 451	35 657	22 303	10 564	4 625	3 097	4.0
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	110 021	2 601	8 438	24 312	35 103	21 654	10 323	4 435	3 155	4.1
PERSONS										
1 person	41 571	6 894	8 104	14 535	8 116	2 851	704	239	128	2.9
2 persons	34 617	460	1 957	8 318	14 014	6 776	2 056	678	358	4.0
3 persons	17 975	66	271	1 753	7 778	5 056	2 006	684	359	4.4
4 persons	12 351	31	84	558	3 847	3 982	2 238	992	619	4.9
5 persons	6 703	8	35	168	1 320	2 129	1 700	761	582	5.4
6 persons or more	6 429	4	35	119	582	1 509	1 860	1 269	1 051	6.0
Median	2.0	1.0	1.1	1.4	2.2	2.8	3.7	4.2	4.6	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	112 968	3 580	8 956	24 802	35 315	22 130	10 516	4 582	3 087	4.0
0.50 or less	60 312	—	6 809	14 075	21 893	9 526	4 732	1 585	1 692	3.9
0.51 to 1.00	46 514	3 229	1 787	9 901	11 551	11 111	4 943	2 713	1 279	4.2
1.01 to 1.50	5 037	—	243	548	1 717	1 371	792	256	110	4.5
1.51 or more	1 105	351	117	278	154	122	49	28	6	2.8
Lacking some or all plumbing facilities	6 678	3 883	1 530	649	342	173	48	43	10	1.4
0.50 or less	2 155	—	1 295	460	237	101	34	18	10	2.3
0.51 to 1.00	4 170	3 665	170	74	6	5	4	—	—	1.1
1.01 to 1.50	53	—	28	10	—	—	—	—	—	...
1.51 or more	300	218	37	9	25	11	—	—	—	1.2
BEDROOMS										
None	11 365	7 450	3 087	828	—	—	—	—	—	1.3
1	37 500	—	7 567	21 869	6 868	947	205	22	22	3.0
2	46 617	—	—	2 370	26 910	14 770	1 921	538	108	4.3
3 or more	24 009	—	—	—	674	7 176	8 983	4 388	2 788	6.0
YEAR STRUCTURE BUILT										
1969 to March 1970	6 060	227	322	1 041	2 693	1 216	423	89	49	4.0
1960 to 1968	29 260	867	2 128	6 086	12 023	5 482	1 828	461	385	4.0
1950 to 1959	17 111	693	1 142	3 411	5 379	3 793	1 708	672	313	4.1
1949 or earlier	67 215	5 676	6 894	14 913	15 562	11 812	6 605	3 403	2 350	3.9
COMPLETE BATHROOMS										
1 and 1 1/2	105 928	3 330	8 520	24 186	34 492	20 496	9 385	3 554	1 965	4.0
2 or more	5 322	55	91	259	699	1 186	952	890	1 190	5.9
None or also used by another household	8 388	4 060	1 861	1 167	741	362	133	49	15	1.6
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	116 836	7 423	10 445	25 197	34 965	21 708	10 043	4 256	2 799	3.9
Less than 10 percent	7 375	825	796	1 404	1 956	1 310	620	275	189	3.8
10 to 14 percent	18 698	849	1 404	3 541	6 003	4 052	1 703	793	353	4.1
15 to 19 percent	20 954	701	1 365	3 893	6 756	4 712	1 981	972	574	4.2
20 to 24 percent	15 520	668	1 011	3 248	4 861	3 051	1 615	666	400	4.1
25 to 34 percent	17 450	1 288	1 549	3 728	5 351	3 249	1 452	517	316	3.9
35 percent or more	30 468	2 565	3 783	8 089	8 515	4 224	2 019	745	528	3.6
Not computed	6 371	527	537	1 294	1 523	1 110	653	288	439	4.0

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	221 859	206 987	5 376	9 496	119 646	50 272	10 106	8 702	8 527	14 585	26 099	1 355
ROOMS												
1 room	812	261	334	217	7 463	495	70	163	515	846	5 318	56
2 rooms	2 124	780	348	996	10 486	1 228	277	691	1 120	2 368	4 560	242
3 rooms	7 691	4 757	775	2 149	25 451	5 502	1 828	2 872	3 044	4 327	7 446	432
4 rooms	31 510	26 069	1 473	3 968	35 657	13 480	4 589	3 299	2 688	4 953	6 220	428
5 rooms	56 522	53 407	1 382	1 733	22 303	13 582	2 533	1 262	909	1 759	2 097	161
6 rooms	54 124	53 324	475	325	10 564	8 764	556	336	207	287	383	31
7 rooms	34 184	33 859	269	56	4 625	4 294	163	53	23	22	65	5
8 rooms or more	34 902	34 530	320	52	3 097	2 927	90	26	21	23	10	-
Median	5.7	5.8	4.3	3.8	4.0	4.8	4.1	3.7	3.4	3.4	2.9	3.4
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	219 544	205 225	5 165	9 154	112 968	49 591	9 960	8 224	7 677	13 570	22 651	1 295
0.50 or less	129 767	120 937	3 595	5 235	60 312	21 022	5 633	5 202	4 975	8 719	13 992	769
0.51 to 1.00	82 170	77 364	1 442	3 364	46 514	24 252	3 878	2 809	2 466	4 510	8 155	444
1.01 to 1.50	6 490	6 041	78	371	5 037	3 656	398	181	187	267	294	52
1.51 or more	1 117	883	50	184	1 105	661	51	32	49	74	208	30
Lacking same or all plumbing facilities	2 315	1 762	211	342	6 678	481	146	478	850	1 015	3 448	60
0.50 or less	1 397	1 100	128	169	2 155	333	94	294	395	466	553	20
0.51 to 1.00	726	505	70	151	4 170	231	47	173	425	504	2 771	19
1.01 to 1.50	101	86	4	11	53	15	-	-	10	-	23	5
1.51 or more	91	71	9	11	300	102	5	11	20	45	101	16
BEDROOMS												
None	804	412	271	123	11 365	794	98	278	920	1 571	7 645	59
1	13 463	9 375	1 466	2 622	37 500	8 583	2 960	3 833	4 566	6 238	10 745	575
2	67 188	59 759	2 242	5 157	46 617	21 110	6 084	3 580	3 008	5 602	6 676	557
3	93 406	91 551	736	1 119	17 753	14 594	849	471	265	462	1 074	38
4 or more	47 201	46 814	320	67	6 256	5 976	134	20	46	44	36	-
YEAR STRUCTURE BUILT												
1969 to March 1970	7 018	5 476	306	1 236	6 060	1 041	517	490	516	1 346	2 035	115
1965 to 1968	23 725	19 459	818	3 448	16 140	3 104	1 320	1 334	1 531	3 312	5 303	236
1960 to 1964	26 536	23 432	684	2 420	13 120	3 605	1 358	1 001	1 107	2 034	3 661	356
1950 to 1959	50 643	47 909	865	1 869	17 111	9 202	1 474	1 147	982	1 262	2 570	474
1940 to 1949	34 726	34 107	474	195	20 229	11 750	1 692	1 557	1 226	1 769	2 156	79
1939 or earlier	79 161	76 604	2 229	328	46 986	21 570	3 745	3 173	3 165	4 862	10 374	97
INCOME IN 1969												
Less than \$2,000	17 272	15 195	771	1 306	19 487	5 920	1 485	1 601	1 633	2 597	5 938	313
\$2,000 to \$2,999	10 264	9 005	546	713	10 183	3 448	791	767	919	1 298	2 804	156
\$3,000 to \$3,999	9 215	8 195	429	591	9 277	3 183	800	770	805	1 230	2 370	119
\$4,000 to \$4,999	9 054	8 164	299	591	8 935	3 276	791	695	631	1 252	2 172	118
\$5,000 to \$5,999	8 356	7 426	365	565	9 150	3 705	833	638	685	1 212	1 998	79
\$6,000 to \$6,999	9 636	8 644	303	689	9 605	4 162	785	837	671	1 209	1 850	91
\$7,000 to \$7,999	40 907	37 844	783	2 280	24 511	12 108	2 005	1 594	1 581	2 756	4 171	296
\$10,000 to \$14,999	65 989	62 928	1 013	2 048	20 260	10 714	1 829	1 274	1 164	2 057	3 065	157
\$15,000 to \$24,999	39 772	38 465	671	636	6 664	3 179	661	420	374	773	1 239	18
\$25,000 or more	11 394	11 121	196	77	1 574	577	126	106	64	201	492	8
Median	\$10 500	\$10 700	\$6 900	\$7 400	\$6 300	\$7 400	\$6 400	\$5 800	\$5 400	\$5 800	\$4 900	\$4 800
YEAR MOVED INTO UNIT												
1969 to March 1970	27 332	23 373	923	3 036	62 478	24 583	5 328	4 579	4 581	8 703	13 847	857
1968	19 994	17 673	657	1 664	17 559	7 758	1 594	1 339	1 317	1 825	3 590	136
1967	15 210	13 514	458	1 238	9 768	4 461	887	670	628	1 066	1 970	86
1965 and 1966	26 005	23 807	562	1 636	9 872	4 659	782	680	653	1 003	2 022	73
1960 to 1964	43 227	40 847	872	1 508	10 861	4 379	872	951	689	1 274	2 542	154
1950 to 1959	50 317	48 910	1 028	379	6 447	2 671	483	489	452	678	1 628	46
1949 or earlier	39 782	38 659	970	153	2 653	1 505	167	148	98	241	463	31
GROSS RENT												
Specified renter occupied ¹	...	...	...	...	116 836	47 462	10 106	8 702	8 527	14 585	26 099	1 355
Less than \$50	...	...	...	...	6 367	726	152	493	707	939	3 246	104
\$50 to \$59	...	...	...	...	3 965	939	376	463	453	451	1 180	103
\$60 to \$69	...	...	...	...	5 423	1 509	508	550	547	722	1 453	134
\$70 to \$79	...	...	...	...	7 000	2 289	537	686	603	1 026	1 730	129
\$80 to \$89	...	...	...	...	17 770	7 233	1 781	1 532	1 427	2 195	3 363	239
\$100 to \$119	...	...	...	...	20 214	9 404	2 159	1 582	1 452	2 281	3 147	189
\$120 to \$149	...	...	...	...	26 658	10 866	2 375	1 990	1 935	3 637	5 663	192
\$150 to \$199	...	...	...	...	20 141	8 885	1 822	1 175	1 042	2 719	4 454	44
\$200 to \$299	...	...	...	...	4 186	2 380	142	130	202	229	1 103	-
\$300 or more	...	...	...	...	583	227	16	9	22	10	299	-
No cash rent	...	...	...	...	4 529	3 004	238	92	137	376	461	221
Median	...	...	...	...	\$115	\$120	\$115	\$107	\$106	\$116	\$112	\$86
HEATING EQUIPMENT												
Steam or hot water	6 385	5 492	893	-	21 659	1 040	320	1 114	1 803	4 875	12 501	6
Warm-air furnace	140 135	132 241	2 585	5 309	30 849	19 413	3 653	2 211	1 685	1 320	2 057	510
Built-in electric units	39 634	36 233	1 073	2 328	40 471	11 374	3 522	3 385	3 710	7 446	10 634	400
Floor, wall, or pipeless furnace	9 014	8 457	172	385	5 962	4 228	489	323	279	217	350	76
Other means	26 631	24 514	648	1 469	20 550	14 135	2 111	1 665	1 040	716	520	363
None	60	50	5	5	155	82	11	4	10	11	37	-
AIR CONDITIONING												
Room unit(s)	14 768	12 907	490	1 371	5 987	1 772	411	378	459	883	1 952	132
Central system	7 377	5 659	509	1 209	2 219	485	76	44	78	59	1 348	129
None	199 722	188 217	4 471	7 034	111 432	47 759	9 626	8 434	7 881	13 848	22 762	1 122
AUTOMOBILES AVAILABLE												
1	94 525	86 727	2 342	5 456	61 716	26 041	5 647	5 054	4 694	7 824	11 688	768
2	88 895	84 855	1 299	2 741	25 551	14 564	2 305	1 449	1 342	2 469	3 157	265
3 or more	19 609	18 900	327	382	3 921	2 543	291	201	156	294	373	43
None	18 838	16 301	1 502	1 035	28 450	6 848	1 870	2 152	2 226	4 203	10 844	307

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	Total	Two-or-more-person households									One-person households	
		Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
Owner occupied housing units	221 859	3 772	29 392	36 526	74 359	26 451	4 545	1 360	11 336	3 933	12 889	17 296
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	219 544	3 746	29 321	36 318	73 918	26 115	4 470	1 332	11 227	3 859	12 524	16 714
0.50 or less	129 767	1 855	8 556	8 911	45 559	22 373	2 559	1 012	6 966	3 171	12 399	16 406
0.51 to 1.00	82 170	1 792	19 197	24 239	26 411	3 552	1 670	289	3 941	646	125	308
1.01 to 1.50	6 490	61	1 384	2 816	1 583	121	196	26	261	42	-	-
1.51 or more	1 117	38	184	352	365	69	45	5	59	-	-	-
Lacking some or all plumbing facilities	2 315	26	71	208	441	336	75	28	109	74	365	582
0.50 or less	1 397	11	15	20	195	230	25	18	48	51	262	522
0.51 to 1.00	726	15	9	125	205	96	50	6	41	16	103	60
1.01 to 1.50	101	-	32	39	10	4	-	4	5	7	-	-
1.51 or more	91	-	15	24	31	6	-	-	15	-	-	-
UNITS IN STRUCTURE												
1	206 987	3 204	27 993	35 569	70 610	24 628	4 229	1 291	10 547	3 679	10 549	14 688
2 or more	5 376	44	318	243	1 129	803	118	26	359	193	799	1 344
Mobile home or trailer	9 496	524	1 081	714	2 620	1 020	198	43	430	61	1 541	1 264
INCOME IN 1969												
Less than \$2,000	17 272	143	337	421	1 095	1 714	234	178	1 440	747	2 463	8 500
\$2,000 to \$2,999	10 264	91	149	185	713	3 074	121	120	735	487	967	3 622
\$3,000 to \$3,999	9 215	128	173	221	863	3 516	131	110	825	367	1 243	1 638
\$4,000 to \$4,999	9 054	174	251	305	1 183	3 292	141	146	1 065	325	1 146	1 026
\$5,000 to \$5,999	8 356	154	566	449	1 609	2 289	164	109	1 065	231	1 097	713
\$6,000 to \$6,999	9 636	306	889	633	2 365	2 021	281	112	1 112	295	1 211	411
\$7,000 to \$9,999	40 907	1 266	8 035	6 108	13 267	4 246	1 110	202	2 685	615	2 700	673
\$10,000 to \$14,999	65 989	1 306	13 718	15 510	26 025	3 548	1 353	202	1 783	551	1 547	446
\$15,000 to \$24,999	39 772	168	4 626	10 098	20 788	1 921	663	120	573	252	372	186
\$25,000 or more	11 394	36	648	2 596	6 451	830	347	61	138	63	143	81
Median	\$10 500	\$9 100	\$11 600	\$13 200	\$13 100	\$5 700	\$10 300	\$6 200	\$6 600	\$5 200	\$5 600	\$2 000
VALUE-INCOME RATIO												
Specified owner occupied¹	193 863	3 136	26 860	33 304	65 388	22 737	3 915	1 199	10 126	3 496	9 833	13 869
Less than 1.5	75 232	1 304	9 930	14 427	36 233	4 982	1 858	427	2 351	1 006	2 094	620
1.5 to 1.9	40 149	798	8 002	8 824	13 837	3 426	844	180	1 662	440	1 546	590
2.0 to 2.4	23 823	388	4 565	5 067	6 802	2 943	419	86	1 305	288	1 218	742
2.5 to 2.9	13 557	185	2 222	2 384	3 185	2 345	180	107	1 058	244	907	740
3.0 to 3.9	13 541	188	1 245	1 483	2 528	3 486	218	108	1 123	427	1 035	1 700
4.0 or more	26 072	256	864	1 049	2 613	5 444	344	291	2 341	1 060	2 665	9 145
Not computed	1 489	17	32	70	190	111	52	-	286	31	368	332
Renter occupied housing units	119 646	12 690	18 812	8 697	12 026	5 158	5 183	386	14 000	1 123	26 785	14 786
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	112 968	12 529	18 649	8 584	11 846	5 042	5 033	351	13 844	1 087	23 123	12 860
0.50 or less	60 312	4 281	4 750	1 405	5 493	3 047	2 349	186	5 422	605	21 585	11 189
0.51 to 1.00	46 514	7 749	11 969	5 632	5 594	1 888	2 402	136	7 494	421	1 538	1 691
1.01 to 1.50	5 037	383	1 696	1 310	582	76	183	9	21	-	-	-
1.51 or more	1 105	116	234	237	177	31	99	20	170	21	-	-
Lacking some or all plumbing facilities	6 678	161	163	113	180	116	150	35	156	36	3 662	1 906
0.50 or less	2 155	32	16	13	52	32	17	-	63	27	1 196	707
0.51 to 1.00	4 170	75	80	42	74	73	68	20	48	5	2 466	1 199
1.01 to 1.50	53	20	17	5	11	-	-	-	-	-	-	-
1.51 or more	300	34	50	53	43	11	65	15	25	4	-	-
UNITS IN STRUCTURE												
1	50 272	6 046	11 663	6 259	6 851	2 071	2 214	175	6 433	443	5 065	3 052
2 to 4	18 808	2 395	3 002	874	1 599	898	774	41	2 855	174	4 204	1 992
5 to 19	23 112	2 284	2 388	818	1 744	828	1 054	101	2 377	261	7 788	3 469
20 or more	26 099	1 805	1 620	663	1 674	1 264	1 116	60	2 203	240	9 353	6 101
Mobile home or trailer	1 355	160	139	83	158	97	25	9	132	5	375	172
GROSS RENT												
Specified renter occupied²	116 836	12 495	18 164	8 217	11 475	5 010	5 070	350	13 835	1 108	26 528	14 584
Less than \$50	6 367	43	76	73	181	186	88	31	169	35	2 767	2 718
\$50 to \$59	3 965	129	135	73	176	193	157	15	485	26	1 544	1 032
\$60 to \$69	5 423	262	260	176	280	225	166	6	609	63	2 090	1 286
\$70 to \$79	7 000	445	416	182	520	357	243	37	639	74	2 722	1 365
\$80 to \$99	17 770	1 868	1 799	759	1 633	817	610	61	2 095	197	5 362	2 569
\$100 to \$119	20 214	3 008	3 407	1 233	1 867	732	805	69	2 722	173	4 581	1 617
\$120 to \$149	26 658	4 344	5 461	2 061	2 425	727	1 302	60	3 772	210	4 574	1 722
\$150 to \$199	20 141	2 057	5 318	2 450	2 617	674	1 298	32	2 716	135	1 978	866
\$200 to \$299	4 186	122	905	871	855	231	229	10	422	53	234	254
\$300 or more	583	-	42	65	157	166	44	6	23	6	35	45
No cash rent	4 529	217	345	274	764	702	128	29	183	136	641	1 110
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied²	116 836	12 495	18 164	8 217	11 475	5 010	5 070	350	13 835	1 108	26 528	14 584
Less than \$5,000	47 018	3 146	1 805	762	1 610	2 170	2 167	266	8 230	623	13 626	12 513
Less than 20 percent	2 447	87	98	34	100	134	54	4	145	14	1 248	529
20 to 24 percent	3 277	253	108	46	180	259	68	16	463	20	1 257	607
25 to 34 percent	8 497	771	427	191	337	422	286	51	1 198	89	2 875	1 850
35 percent or more	28 603	1 915	1 099	422	789	1 044	1 563	167	5 838	400	7 191	8 175
Not computed	4 194	120	73	69	204	411	196	28	586	100	1 055	1 352
\$5,000 to \$9,999	42 144	6 671	8 295	3 168	3 991	1 690	1 929	25	4 530	302	9 959	1 575
Less than 20 percent	19 797	2 967	3 883	1 437	2 150	653	641	25	1 324	130	5 897	690
20 to 24 percent	10 553	2 053	2 341	749	801	288	549	5	1 135	55	2 214	363
25 to 34 percent	8 573	1 391	1 550	576	562	391	582	4	1 662	49	1 465	345
35 percent or more	1 813	155	299	250	170	128	102	4	353	35	207	110
Not computed	1 408	105	222	156	308	230	55	56	56	33	176	67
\$10,000 to \$14,999	19 693	2 393	6 293	2 972	3 425	552	646	25	827	116	2 159	285
Less than 20 percent	17 208	2 296	5 593	2 420	2 910	422	519	20	696	104	2 003	225
20 to 24 percent	1 533	58	573	380	234	30	65	-	100	-	78	15
25 percent or more	413	12	75	106	55	67	41	5	16	15	17	19
Not computed	539	27	52	66	226	33	41	19	248	67	784	211
\$15,000 or more	7 981	285	1 771									

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	221 859	30 185	72 592	35 939	37 771	24 266	12 650	5 501	2 955	2.7
BEDROOMS										
None and 1	14 269	6 945	5 799	963	332	193	37	-	-	1.5
2	67 158	14 733	33 335	10 507	5 606	1 768	761	323	125	2.1
3	93 406	6 296	26 497	18 611	22 726	12 464	4 580	1 555	677	3.2
4 or more	47 201	2 427	6 864	6 533	8 904	9 383	7 144	3 715	2 231	4.4
YEAR STRUCTURE BUILT										
1969 to March 1970	7 018	431	1 916	1 279	1 709	1 042	408	175	58	3.4
1965 to 1968	23 725	1 935	6 143	4 031	5 655	3 514	1 496	617	334	3.4
1960 to 1964	26 536	2 390	6 466	4 520	6 079	4 004	2 015	770	292	3.5
1950 to 1959	50 643	4 966	16 191	8 920	9 956	6 212	2 775	1 114	509	3.0
1940 to 1949	34 776	5 055	12 938	5 811	4 998	3 033	1 756	811	374	2.5
1939 or earlier	79 161	15 408	28 938	11 378	9 374	6 461	4 200	2 014	1 388	2.3
UNITS IN STRUCTURE										
1	206 987	25 237	66 614	34 031	36 640	23 798	12 411	5 376	2 880	2.8
2 or more	5 376	2 143	1 988	668	291	133	67	39	47	1.8
Mobile home or trailer	9 496	2 805	3 990	1 240	840	335	172	86	28	2.0
COMPLETE BATHROOMS										
1 and 1 1/2	164 809	26 239	58 702	26 436	25 480	15 287	7 837	3 155	1 673	2.5
2 and 2 1/2	44 095	2 152	11 093	7 655	9 977	7 004	3 722	1 639	853	3.6
3 or more	9 436	261	1 847	1 321	2 085	1 996	1 020	559	347	4.1
None or also used by another household	3 527	1 315	1 134	354	275	183	126	104	36	1.9
HOUSEHOLD COMPOSITION										
Two-or-more-person households	191 674	...	72 592	35 939	37 771	24 266	12 650	5 501	2 955	3.1
Male head, wife present, no nonrelatives	170 500	...	61 737	31 091	35 156	22 760	11 968	5 051	2 737	3.3
Under 25 years	3 772	...	1 323	1 371	815	163	55	28	17	2.9
25 to 34 years	29 392	...	3 223	5 429	11 025	6 086	2 575	788	266	4.0
35 to 44 years	36 526	...	2 558	3 987	9 909	9 565	6 177	2 793	1 537	4.7
45 to 64 years	74 359	...	32 282	17 246	12 758	6 749	3 050	1 375	899	2.8
65 years and over	26 451	...	22 351	3 058	649	197	67	11	18	2.1
Other male head	5 905	...	2 940	1 218	686	452	237	236	136	2.5
Under 65 years	4 545	...	2 012	932	608	412	237	122	77	2.8
65 years and over	1 360	...	928	286	78	40	-	14	14	2.2
Female head	15 269	...	7 915	3 630	1 929	1 054	445	214	82	2.5
Under 65 years	11 336	...	4 959	2 967	1 755	980	402	198	75	2.7
65 years and over	3 933	...	2 956	663	174	74	43	16	7	2.2
One-person households	30 185	30 185	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	193 863	23 702	62 188	31 876	34 910	22 359	11 405	4 897	2 526	2.8
Less than 1.5	75 232	2 714	23 069	15 606	14 931	9 812	5 410	2 362	1 328	3.3
1.5 to 1.9	40 149	2 136	11 708	6 969	9 205	5 829	2 678	1 081	543	3.4
2.0 to 2.4	23 823	1 960	7 547	3 469	5 103	3 247	1 516	649	332	3.2
2.5 to 2.9	13 557	1 647	4 736	1 916	2 501	1 452	814	366	125	2.7
3.0 to 3.9	13 541	2 735	5 681	2 671	1 612	1 018	507	243	71	2.2
4.0 or more	26 072	11 810	9 115	2 084	1 393	941	454	163	115	1.6
Not computed	1 489	700	332	161	165	60	26	33	12	1.6
Renter occupied housing units	119 446	41 571	34 617	17 975	12 351	6 703	3 432	1 917	1 080	2.0
BEDROOMS										
None	11 365	10 010	1 218	76	42	-	19	-	-	1.1
1	37 500	22 521	12 062	2 118	487	94	143	17	58	1.3
2	46 617	7 422	17 816	11 763	6 442	2 267	1 195	195	115	2.4
3 or more	24 009	1 278	3 755	3 472	5 459	4 834	2 465	1 886	860	4.1
YEAR STRUCTURE BUILT										
1969 to March 1970	6 060	1 424	2 330	1 244	609	278	91	50	34	2.2
1965 to 1968	16 140	4 592	5 939	2 916	1 635	595	284	137	42	2.1
1960 to 1964	13 120	3 921	4 663	2 186	1 292	605	266	146	41	2.1
1950 to 1959	17 111	4 851	4 779	3 246	2 193	1 229	511	214	88	2.3
1940 to 1949	20 229	6 024	5 608	3 330	2 627	1 315	742	387	196	2.2
1939 or earlier	46 986	20 759	11 298	5 053	3 995	2 681	1 538	983	679	1.7
UNITS IN STRUCTURE										
1	50 272	8 117	12 659	9 461	8 832	5 398	3 016	1 751	1 038	3.0
2	10 106	2 584	3 737	2 110	1 040	394	162	52	27	2.2
3 and 4	8 702	3 612	2 912	1 241	574	254	68	41	-	1.8
5 to 9	8 527	4 233	2 674	1 056	378	105	37	29	15	1.5
10 to 19	14 585	7 024	4 709	1 819	694	244	79	16	-	1.6
20 or more	26 099	15 454	7 436	2 100	767	277	42	23	-	1.3
Mobile home or trailer	1 355	547	490	188	66	31	28	5	-	1.8
COMPLETE BATHROOMS										
1 and 1 1/2	105 928	34 715	31 868	16 869	11 148	5 860	3 087	1 558	823	2.1
2 or more	5 322	543	1 575	941	893	517	345	285	223	3.1
None or also used by another household	8 388	6 481	1 015	421	226	151	45	27	22	1.1
HOUSEHOLD COMPOSITION										
Two-or-more-person households	78 075	...	34 617	17 975	12 351	6 703	3 432	1 917	1 080	2.7
Male head, wife present, no nonrelatives	57 383	...	23 571	13 201	9 845	5 440	2 829	1 563	934	2.9
Under 25 years	12 690	...	6 096	4 605	1 521	313	98	36	21	2.6
25 to 34 years	18 812	...	5 161	4 503	4 774	2 634	1 094	432	214	3.4
35 to 44 years	8 697	...	1 458	1 320	1 820	1 708	1 148	813	430	4.4
45 to 64 years	12 026	...	6 394	2 331	1 575	741	460	266	259	2.4
65 years and over	5 158	...	4 462	442	155	44	29	16	10	2.1
Other male head	5 569	...	3 597	985	475	210	162	95	45	2.3
Under 65 years	5 183	...	3 321	923	447	204	153	90	45	2.3
65 years and over	386	...	276	62	28	6	9	5	-	2.2
Female head	15 123	...	7 449	3 789	2 031	1 053	441	259	101	2.5
Under 65 years	14 000	...	6 579	3 634	1 976	1 025	430	255	101	2.6
65 years and over	1 123	...	870	155	55	28	11	4	-	2.1
One-person households	41 571	41 571	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	116 836	41 112	33 992	17 519	11 938	6 292	3 226	1 774	983	2.0
Less than 10 percent	7 375	2 222	2 488	1 039	805	361	259	126	75	2.1
10 to 14 percent	18 698	4 194	6 610	3 201	2 370	1 211	588	345	179	2.3
15 to 19 percent	20 954	5 139	6 419	3 828	2 676	1 445	824	452	171	2.3
20 to 24 percent	15 520	4 544	4 434	2 613	1 977	1 052	449	263	188	2.2
25 to 34 percent	17 450	6 566	4 936	2 638	1 483	917	501	284	125	1.9
35 percent or more	30 468	15 688	7 259	3 487	2 040	1 033	494	258	209	1.5
Not computed	6 371	2 759	1 846	713	587	273	111	46	36	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 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	2 204	1 067	659	478	Vacant for rent	9 639	7 129	1 624	886
ROOMS					ROOMS				
1 to 3 rooms	130	42	41	47	1 room	955	812	91	52
4 rooms	283	142	76	65	2 rooms	824	640	124	60
5 rooms	577	254	205	118	3 rooms	1 824	1 364	309	151
6 rooms	593	359	136	98	4 rooms	3 229	2 472	563	194
7 rooms or more	621	270	201	150	5 rooms	1 871	1 243	321	307
					6 rooms	555	391	106	58
					7 rooms or more	381	207	110	64
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	2 142	1 045	650	447	With all plumbing facilities	8 589	6 282	1 519	788
Lacking some or all plumbing facilities	62	22	9	31	Lacking some or all plumbing facilities	1 050	847	105	98
BEDROOMS					BEDROOMS				
None and 1	270	131	102	37	None	1 210	981	118	111
2	441	241	146	54	1	3 009	2 131	607	271
3	999	584	295	120	2	3 989	2 886	700	403
4 or more	645	277	171	197	3 or more	1 388	840	362	186
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	566	319	159	88	1969 to March 1970	1 765	1 294	278	193
1960 to 1968	345	158	127	60	1960 to 1968	2 143	1 659	380	104
1950 to 1959	359	168	107	84	1950 to 1959	834	632	144	58
1949 or earlier	934	422	266	246	1949 or earlier	4 897	3 544	822	531
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	2 080	1 021	606	453	1	2 625	1 767	555	303
2 or more	124	46	53	25	2 to 4	1 413	917	319	177
					5 to 9	904	659	130	115
					10 to 19	1 853	1 451	363	39
					20 or more	2 844	2 335	257	252
HEATING EQUIPMENT					RENT ASKED				
Steam or hot water	66	30	15	21	Specified vacant for rent ²	9 554	7 086	1 605	863
Warm-air furnace	1 239	588	391	260	Less than \$50	889	685	92	112
Built-in electric units	555	289	171	95	\$50 to \$59	572	399	129	44
Floor, wall, or pipeless furnace	57	34	17	6	\$60 to \$79	1 425	1 047	192	186
Other means	283	122	65	96	\$80 to \$99	1 461	1 132	201	128
None	4	4	—	—	\$100 to \$119	989	783	150	56
					\$120 to \$149	2 586	1 938	546	102
					\$150 to \$199	1 339	949	219	171
					\$200 or more	293	153	76	64
SALES PRICE ASKED					Median rent asked	\$109	\$107	\$122	\$94
Specified vacant for sale ¹	2 010	994	601	415					
Less than \$5,000	65	12	13	40					
\$5,000 to \$9,999	230	113	72	45					
\$10,000 to \$14,999	359	178	117	64					
\$15,000 to \$19,999	500	259	127	114					
\$20,000 to \$24,999	378	207	81	52					
\$25,000 to \$34,999	282	166	81	35					
\$35,000 to \$49,999	146	41	54	51					
\$50,000 or more	50	18	18	14					
Median price asked	\$18 500	\$18 700	\$18 900	\$17 600					

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	2 010	295	359	500	378	282	196	9 554	1 461	1 425	1 461	3 575	1 339	293
PLUMBING FACILITIES														
With all plumbing facilities	2 054	357	404	411	401	305	176	8 463	791	1 244	1 482	3 321	1 286	339
Lacking some or all plumbing facilities	60	15	—	11	12	22	—	1 064	742	190	27	43	49	13
BEDROOMS														
None and 1	196	120	54	—	22	—	—	4 204	1 270	859	706	1 072	244	53
2	383	119	141	48	35	25	15	3 989	166	415	592	1 834	828	154
3	970	49	145	319	272	125	60	927	52	112	113	319	205	126
4 or more	565	84	64	55	84	177	101	407	45	48	98	139	58	19
YEAR STRUCTURE BUILT														
1969 to March 1970	518	4	5	125	157	136	91	1 756	14	32	57	878	650	125
1960 to 1968	310	17	32	62	85	75	39	2 143	62	96	146	1 269	448	122
1950 to 1959	341	25	59	136	58	30	33	817	46	141	180	351	88	11
1949 or earlier	841	249	263	177	78	41	33	4 838	1 339	1 156	1 078	1 077	153	35
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	2 540	329	541	600	819	213	38
2 to 4 .....	...	...	...	...	...	...	...	1 413	207	271	297	477	126	35
5 to 19 .....	...	...	...	...	...	...	...	2 757	369	319	332	1 265	401	71
20 or more .....	...	...	...	...	...	...	...	2 844	556	294	232	1 014	599	149
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	1 614	761	276	227	244	80	26
Some or no utilities included .....	...	...	...	...	...	...	...	7 940	700	1 149	1 234	3 331	1 259	267

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]

Portland	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	62 909	5 240	2 810	3 798	4 618	10 767	10 876	12 844	8 207	1 543	288	1 918	106
ROOMS													
1 room	6 155	3 139	651	565	382	646	281	313	53	18	13	94	50
2 rooms	7 362	999	960	1 174	1 195	1 159	679	810	209	29	11	137	74
3 rooms	15 426	745	519	1 150	1 701	4 487	3 078	2 342	756	208	13	427	95
4 rooms	15 494	217	385	526	747	2 408	3 369	4 390	2 586	382	59	425	119
5 rooms	10 270	96	203	197	333	1 365	2 111	3 037	2 164	298	71	395	126
6 rooms	4 536	15	56	112	132	446	929	1 121	1 236	259	47	183	133
7 rooms	2 241	23	30	38	98	179	310	552	700	172	19	120	141
8 rooms or more	1 425	6	6	36	30	77	119	279	503	177	55	137	159
Median	3.6	1.3	2.3	2.6	2.9	3.3	3.9	4.2	4.7	5.0	5.2	4.2	...
PERSONS													
1 person	27 929	4 683	1 908	2 587	3 066	5 737	3 809	3 561	1 351	315	66	846	85
2 persons	17 803	396	465	740	1 008	3 159	3 689	4 191	2 787	588	124	656	115
3 persons	7 546	74	204	223	254	906	1 605	2 317	1 536	207	36	186	125
4 persons	4 429	67	161	68	79	516	858	1 439	1 106	181	22	132	130
5 persons	2 440	5	35	79	107	246	397	684	690	115	21	61	134
6 persons or more	2 560	15	37	101	104	203	518	652	737	137	19	37	133
Median	1.7	1.1	1.2	1.2	1.3	1.4	1.9	2.2	2.5	2.3	2.1	1.7	...
Units with roomers, boarders, or lodgers	2 104	43	53	66	99	329	359	504	487	90	18	56	124
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	57 349	2 055	2 079	3 203	4 332	10 532	10 745	12 617	8 188	1 522	288	1 788	110
0.50 or less	33 643	1 142	1 229	2 037	3 006	6 671	6 078	6 802	4 317	933	206	1 222	107
0.51 to 1.00	21 352	866	783	1 016	1 183	3 481	4 224	5 222	3 406	560	82	529	115
1.01 to 1.50	1 872	10	41	88	107	290	376	491	417	24	—	28	121
1.51 or more	482	37	26	62	36	90	67	102	48	5	—	9	97
Locking some or all plumbing facilities	5 560	3 185	731	595	286	235	131	227	19	21	—	130	50—
0.50 or less	1 641	620	279	305	96	161	62	49	10	4	—	55	56
0.51 to 1.00	3 738	2 488	404	277	173	69	69	178	4	8	—	68	50—
1.01 to 1.50	27	5	4	13	5	—	—	—	—	—	—	—	...
1.51 or more	154	72	44	—	12	5	—	—	5	9	—	7	50
BEDROOMS													
None	9 777	3 352	1 099	1 422	1 363	1 327	750	227	45	44	—	148	63
1	22 960	1 460	1 114	1 652	2 149	6 324	4 354	3 870	1 291	139	65	542	96
2	20 815	252	551	443	843	2 137	4 098	6 366	4 495	622	80	928	128
3 or more	9 355	70	187	140	202	843	1 345	2 230	3 156	672	67	443	142
YEAR STRUCTURE BUILT													
1969 to March 1970	1 551	270	11	52	14	67	74	389	573	70	5	26	141
1965 to 1968	5 542	212	83	51	63	238	440	1 949	1 957	364	98	87	145
1960 to 1964	4 628	171	60	61	28	189	776	1 839	1 107	305	34	58	136
1950 to 1959	7 192	128	111	191	257	883	1 729	2 168	1 165	286	48	226	123
1940 to 1949	10 212	438	453	471	559	2 126	2 494	2 228	1 050	182	29	182	108
1939 or earlier	33 784	4 021	2 092	2 972	3 697	7 264	5 363	4 271	2 355	336	74	1 339	89
ELEVATOR IN STRUCTURE													
4 floors or more	9 834	1 828	648	875	968	1 663	1 140	1 154	845	383	126	204	86
With elevator	9 178	1 568	630	812	839	1 584	1 099	1 133	845	383	126	159	89
Walk-up	656	260	18	63	129	79	41	21	—	—	—	45	64
1 to 3 floors	53 073	3 306	2 303	2 782	3 589	8 968	9 407	11 539	8 142	1 094	86	1 857	110
COMPLETE BATHROOMS													
1 and 1 1/2	54 070	1 770	1 900	3 150	4 139	10 349	10 713	12 266	7 394	803	31	1 555	109
2 or more	2 319	55	52	37	59	130	77	238	506	721	291	153	193
None or also used by another household	6 530	3 444	780	682	405	403	231	353	35	32	—	165	50—
INCOME IN 1969													
Less than \$2,000	12 529	3 038	1 140	1 326	1 315	2 146	1 149	1 319	483	107	5	501	74
\$2,000 to \$2,999	6 284	731	500	706	703	1 220	954	830	399	53	4	184	87
\$3,000 to \$3,999	5 633	385	328	437	662	1 172	1 007	984	407	69	4	178	95
\$4,000 to \$4,999	5 116	268	215	318	470	1 262	993	941	437	61	—	151	99
\$5,000 to \$5,999	5 241	246	165	229	383	1 153	1 134	1 151	559	58	6	157	106
\$6,000 to \$6,999	4 786	185	117	281	244	909	1 082	1 117	646	70	14	121	111
\$7,000 to \$9,999	11 318	265	201	363	523	1 839	2 539	3 040	1 886	323	17	322	118
\$10,000 to \$14,999	8 322	80	114	94	248	815	1 568	2 561	2 241	348	48	205	133
\$15,000 to \$24,999	2 892	32	21	33	50	206	395	765	940	312	71	67	146
\$25,000 or more	788	10	11	20	20	45	55	136	209	142	119	32	172
Median	\$5 400	\$2000—	\$2 500	\$2 800	\$3 400	\$4 700	\$6 200	\$7 100	\$8 900	\$10 400	\$21 500	\$4 600	...
YEAR MOVED INTO UNIT													
1969 to March 1970	29 976	2 410	1 130	1 557	1 911	4 641	5 122	7 046	4 832	786	126	415	112
1968	9 184	780	375	438	545	1 397	1 767	2 083	1 322	223	57	197	111
1967	5 397	405	238	328	336	1 004	1 004	1 122	519	241	48	152	106
1965 and 1966	5 526	343	278	368	381	1 089	1 077	1 075	568	118	42	187	104
1960 to 1964	6 803	791	389	578	675	1 401	1 245	898	463	102	26	235	91
1950 to 1959	4 471	353	262	398	570	1 063	648	521	180	78	23	375	89
1949 or earlier	1 562	187	60	202	185	287	158	112	51	8	—	312	80
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	4 077	774	361	313	355	716	612	532	295	96	23	...	86
10 to 14 percent	9 361	578	367	599	647	1 739	1 994	1 981	1 210	164	82	...	108
15 to 19 percent	10 460	505	251	387	663	1 829	2 229	2 671	1 622	266	37	...	114
20 to 24 percent	7 874	500	330	444	444	1 388	1 549	1 694	1 412	184	43	...	112
25 to 34 percent	9 873	1 117	412	587	712	1 549	1 520	2 158	1 475	322	21	...	107
35 percent or more	18 165	1 558	984	1 445	1 680	3 334	2 823	3 668	2 106	485	82	...	101
Not computed	3 099	208	105	137	117	212	149	140	87	26	—	1 918	83
AIR CONDITIONING													
Room unit(s)	2 915	229	68	79	136	279	419	570	635	326	42	132	130
Central system	1 558	226	29	48	42	205	94	203	349	260	72	30	138
None	58 446	4 814	2 635	3 742	4 425	10 398	10 508	12 084	6 951	970	208	1 711	104

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]

Portland	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	81 793	7 935	5 022	4 165	3 896	3 679	4 059	14 843	21 186	12 816	4 192	9 500
ROOMS												
1 and 2 rooms.....	1 019	247	177	114	73	61	72	109	115	31	20	3 800
3 rooms.....	2 351	524	272	264	144	167	147	364	290	133	46	4 800
4 rooms.....	11 917	1 947	1 284	923	709	706	830	2 223	2 262	938	95	6 500
5 rooms.....	22 261	2 489	1 762	1 345	1 460	1 234	1 292	4 510	5 439	2 246	484	8 000
6 rooms.....	19 242	1 427	902	860	844	755	925	3 742	5 712	3 323	752	10 100
7 rooms or more.....	25 003	1 301	625	659	666	756	793	3 895	7 368	6 145	2 795	12 600
PERSONS												
1 person.....	14 856	5 336	2 419	1 480	1 088	968	840	1 476	922	215	112	2 900
2 persons.....	29 726	1 789	2 083	2 065	2 112	1 760	1 909	5 856	6 977	3 846	1 329	8 600
3 and 4 persons.....	23 829	619	370	463	503	655	988	4 908	8 305	5 328	1 690	12 100
5 persons.....	6 825	88	78	99	79	120	139	1 440	2 537	1 754	491	12 700
6 persons or more.....	6 557	103	72	58	114	176	183	1 163	2 445	1 673	570	12 900
Units with roomers, boarders, or lodgers.....	1 912	345	200	133	90	79	148	336	308	204	69	6 700
BEDROOMS												
Less than 3.....	33 854	4 926	2 962	2 607	2 347	2 415	2 289	6 481	6 178	2 914	735	6 700
3.....	29 598	1 687	1 032	1 057	1 066	1 066	1 038	5 768	9 954	5 327	1 603	11 000
4 or more.....	18 389	977	505	665	640	584	712	2 864	5 044	4 279	2 119	12 200
YEAR STRUCTURE BUILT												
1969 to March 1970.....	416	20	22	14	15	10	11	76	136	77	35	11 500
1960 to 1968.....	5 318	237	217	197	147	201	217	857	1 534	1 099	612	11 900
1950 to 1959.....	14 371	838	457	514	516	549	643	2 519	4 211	3 088	1 036	11 400
1949 or earlier.....	61 688	6 840	4 326	3 440	3 218	2 919	3 188	11 391	15 305	8 552	2 509	8 800
YEAR MOVED INTO UNIT												
1969 to March 1970.....	7 148	486	272	279	329	282	339	1 691	2 209	1 026	235	9 800
1968.....	5 233	312	171	172	181	232	292	1 085	1 638	963	187	10 500
1960 to 1967.....	25 826	1 517	1 116	843	980	949	1 235	5 210	7 864	4 568	1 544	10 700
1959 or earlier.....	43 599	5 739	3 618	2 791	2 347	2 081	2 187	6 845	9 455	6 434	2 102	8 300
SELECTED CHARACTERISTICS												
Automatic clothes washing machine.....	67 816	4 417	2 767	2 900	3 185	2 923	3 112	12 663	19 484	12 051	4 314	10 500
Clothes dryer.....	52 932	2 581	1 514	1 896	1 789	1 961	2 357	9 923	16 712	10 321	3 878	11 300
Dishwasher.....	31 661	985	528	833	855	746	911	4 688	10 679	7 962	3 454	12 900
Home food freezer.....	37 150	1 638	1 221	1 402	1 515	1 697	1 697	7 130	11 222	7 142	2 676	11 100
Owned second home.....	4 427	190	44	130	80	203	210	639	1 168	1 146	605	13 000
With air conditioning.....	8 903	716	399	419	384	350	384	1 356	2 492	1 688	733	10 900
Room unit(s).....	6 082	405	227	255	236	206	227	942	1 833	1 270	481	11 500
Central system.....	2 821	311	172	164	130	144	157	414	659	418	252	9 400
Automobiles available:												
1.....	38 938	3 024	2 631	2 486	2 653	2 338	2 608	8 992	9 709	3 667	830	8 200
2.....	25 844	465	220	381	395	562	836	4 443	9 335	6 914	2 293	13 000
3 or more.....	5 683	141	38	44	21	81	84	544	1 608	2 246	876	16 200
Renter occupied housing units	63 111	12 577	6 300	5 663	5 149	5 255	4 791	11 350	8 342	2 892	792	5 400
ROOMS												
1 room.....	6 160	2 901	896	574	432	378	279	454	147	74	25	2 200
2 rooms.....	7 362	2 329	997	860	685	560	480	846	441	103	61	3 400
3 rooms.....	15 482	3 423	1 794	1 633	1 406	1 398	1 246	2 704	1 376	371	131	4 600
4 rooms.....	15 540	2 073	1 389	1 310	1 310	1 461	1 274	3 167	2 413	912	228	6 200
5 rooms.....	10 306	1 057	716	692	801	881	856	2 305	2 166	708	124	7 200
6 rooms or more.....	8 261	794	508	591	515	577	656	1 874	1 799	724	223	7 800
PERSONS												
1 person.....	28 001	9 355	3 674	3 010	2 476	2 300	1 832	3 403	1 370	378	203	3 300
2 persons.....	17 839	1 913	1 476	1 518	1 470	1 497	1 477	3 789	3 160	1 240	299	6 700
3 and 4 persons.....	12 236	1 019	871	808	852	1 078	1 077	2 903	2 607	852	178	7 400
5 persons.....	2 454	147	155	152	139	181	214	642	600	183	41	8 100
6 persons or more.....	2 581	152	124	175	212	199	191	613	605	239	71	8 200
Units with roomers, boarders, or lodgers.....	2 121	415	298	276	286	168	183	304	135	46	10	4 300
BEDROOMS												
None.....	9 797	4 137	1 618	1 038	760	547	391	797	349	69	91	2 500
1.....	23 069	5 526	2 174	1 871	1 671	1 727	1 735	4 311	2 115	538	256	4 500
2.....	20 835	2 066	1 695	1 575	1 632	1 782	1 747	4 336	4 217	1 536	249	7 000
3 or more.....	9 478	1 021	597	619	611	713	868	1 917	2 207	666	259	7 500
YEAR STRUCTURE BUILT												
1969 to March 1970.....	1 557	353	148	100	58	147	114	307	184	110	36	5 800
1960 to 1968.....	10 186	1 182	648	741	719	907	794	2 353	1 800	824	218	7 100
1950 to 1959.....	7 229	998	510	507	573	549	590	1 671	1 265	401	165	6 800
1949 or earlier.....	44 139	10 044	4 994	4 315	3 799	3 652	3 293	7 019	5 093	1 557	373	4 700
YEAR MOVED INTO UNIT												
1969 to March 1970.....	30 068	5 954	2 864	2 940	2 639	2 779	2 338	5 460	3 563	1 259	272	5 200
1968.....	9 249	1 551	706	763	761	749	759	1 965	1 364	467	164	6 100
1960 to 1967.....	17 739	3 500	1 836	1 514	1 334	1 413	1 325	3 113	2 516	949	239	5 500
1959 or earlier.....	6 055	1 580	764	504	487	442	405	892	646	225	110	4 400
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹												
Less than 15 percent.....	62 909	12 529	6 284	5 633	5 116	5 241	4 786	11 318	8 322	2 892	788	5 400
15 to 19 percent.....	13 438	16	52	210	357	546	758	3 310	4 947	2 500	742	11 500
20 to 24 percent.....	10 460	75	243	318	605	956	1 310	4 156	2 539	248	10	8 200
25 to 34 percent.....	7 874	222	434	645	1 018	1 428	1 145	2 415	491	72	4	6 200
35 percent or more.....	9 873	1 025	1 207	1 742	1 819	1 674	1 288	1 005	108	5	—	4 500
Not computed.....	18 165	9 509	4 164	2 540	1 166	480	164	110	32	—	—	2000-
.....	3 099	1 682	184	178	151	157	121	322	205	67	32	2000-
SELECTED CHARACTERISTICS												
Automatic clothes washing machine.....	27 181	3 733	2 300	2 130	1 704	1 967	2 095	5 422	5 511	1 825	494	6 800
Clothes dryer.....	21 154	2 730	1 551	1 444	1 368	1 281	1 491	4 430	4 883	1 529	447	7 500
Dishwasher.....	9 549	774	455	462	489	497	651	2 249	2 502	1 174	296	8 900
Home food freezer.....	6 416	628	338	467	399	339	477	1 298	1 813	458	199	8 300
Owned second home.....	1 583	231	183	125	163	125	58	247	265	115	71	5 700
With air conditioning.....	4 480	861	367	280	259	265	304	864	721	405	154	6 700
Room unit(s).....	2 915	454	165	191	164	190	206	616	575	293	61	7 400
Central system.....	1 565	407	202	89	95	75	98	248	146	112	93	4 900
Automobiles available:												
1.....	30 760	3 327	2 284	2 571	2 726	3 182	2 996	7 236	4 681	1 385	372	6 400
2.....	9 075	427	418	425	403	599	726	2 218	2 69			

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]

	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	
Portland											
Owner occupied housing units -----	81 793	81 146	53 612	25 460	1 767	307	647	470	141	27	9
PERSONS											
1 person -----	14 856	14 602	14 294	308	--	--	254	215	39	--	--
2 persons -----	29 726	29 523	28 385	1 073	--	65	203	183	20	--	--
3 persons -----	12 763	12 676	7 441	5 199	36	--	87	66	21	--	--
4 persons -----	11 066	11 013	2 460	8 483	60	10	53	--	41	12	--
5 persons -----	6 825	6 804	1 032	5 468	231	73	21	6	6	--	9
6 persons or more -----	6 557	6 528	--	4 929	1 440	159	29	--	14	15	--
Median -----	2.4	2.4	1.9	4.2	6.7	5.7	1.8	1.6	3.0	...	...
Units with roomers, boarders, or lodgers -----	1 912	1 871	937	824	95	15	41	26	10	--	5
YEAR STRUCTURE BUILT											
1969 to March 1970 -----	413	406	177	216	13	--	7	7	--	--	--
1965 to 1968 -----	1 773	1 763	1 018	689	37	19	10	10	--	--	--
1960 to 1964 -----	3 472	3 431	1 866	1 398	137	30	41	21	15	5	--
1950 to 1959 -----	14 195	14 125	8 716	5 131	256	22	70	51	13	6	--
1940 to 1949 -----	13 311	13 254	8 544	4 419	222	69	57	49	8	--	--
1939 or earlier -----	48 642	48 197	33 142	13 811	1 090	154	445	312	118	15	--
INCOME IN 1969											
Less than \$2,000 -----	7 935	7 788	7 075	668	22	23	147	118	29	--	--
\$2,000 to \$2,999 -----	5 022	4 920	4 347	511	53	9	102	92	10	--	--
\$3,000 to \$3,999 -----	4 165	4 144	3 552	547	22	23	21	21	--	--	--
\$4,000 to \$4,999 -----	3 896	3 863	3 220	596	37	10	33	24	4	--	5
\$5,000 to \$5,999 -----	3 679	3 659	2 893	661	91	14	20	16	--	--	4
\$6,000 to \$6,999 -----	4 059	4 031	2 964	980	62	25	28	24	4	--	--
\$7,000 to \$9,999 -----	14 843	14 722	8 807	5 420	430	65	121	75	41	5	--
\$10,000 to \$14,999 -----	21 186	21 094	11 081	9 238	700	75	92	50	25	17	--
\$15,000 to \$24,999 -----	12 816	12 760	6 869	5 584	279	28	56	23	28	5	--
\$25,000 or more -----	4 192	4 165	2 804	1 255	71	35	27	27	--	--	--
Median -----	\$9 500	\$9 500	\$7 900	\$11 800	\$11 200	\$9 300	\$6 000	\$4 200	\$8 700	...	...
VALUE-INCOME RATIO Specified owner occupied ¹											
Less than 1.5 -----	77 144	76 676	50 603	24 117	1 699	257	466	353	93	18	4
1.5 to 1.9 -----	33 174	32 998	17 675	14 046	1 134	143	176	100	54	18	4
2.0 to 2.4 -----	13 510	13 434	8 062	5 031	284	57	76	50	26	--	--
2.5 to 2.9 -----	7 539	7 518	5 235	2 122	147	14	41	41	--	--	--
3.0 to 3.9 -----	4 581	4 558	3 532	958	59	9	23	19	4	--	--
4.0 or more -----	5 425	5 394	4 560	797	28	9	31	31	--	--	--
Not computed -----	12 162	12 057	10 939	1 065	35	18	105	96	9	--	--
	733	717	600	98	12	7	16	16	--	--	--
HEATING EQUIPMENT											
Steam or hot water -----	3 384	3 347	2 328	995	20	4	37	16	21	--	--
Warm-air furnace -----	61 359	60 970	39 866	19 756	1 173	175	389	269	92	23	5
Built-in electric units -----	5 965	5 917	3 817	1 902	160	38	48	40	4	4	--
Floor, wall, or pipeless furnace -----	3 538	3 508	2 405	962	116	25	30	30	--	--	--
Other means -----	7 522	7 379	5 178	1 838	298	65	143	115	24	--	4
None -----	25	25	18	7	--	--	--	--	--	--	--
Renter occupied housing units -----	63 111	57 546	33 736	21 451	1 877	482	5 565	1 641	3 743	27	154
PERSONS											
1 person -----	28 001	23 081	20 690	2 391	--	--	4 920	1 498	3 422	--	--
2 persons -----	17 839	17 357	11 337	5 843	--	177	482	126	235	--	121
3 persons -----	7 583	7 497	1 336	6 004	133	24	86	10	49	22	5
4 persons -----	4 653	4 604	258	4 050	262	34	49	7	31	5	6
5 persons -----	2 454	2 436	115	1 859	391	71	18	--	6	--	12
6 persons or more -----	2 581	2 571	--	1 304	1 091	176	10	--	--	--	10
Median -----	1.7	1.8	1.3	2.9	5.8	4.6	1.1	1.0	1.0	...	2.1
Units with roomers, boarders, or lodgers -----	2 121	2 043	903	1 032	92	16	78	30	28	5	15
YEAR STRUCTURE BUILT											
1969 to March 1970 -----	1 477	1 458	692	737	23	6	19	--	19	--	--
1965 to 1968 -----	5 479	5 442	3 301	2 021	79	41	37	37	--	--	--
1960 to 1964 -----	4 635	4 607	2 721	1 744	123	19	28	--	28	--	--
1950 to 1959 -----	7 106	6 936	3 835	2 862	212	27	170	59	111	--	--
1940 to 1949 -----	10 394	10 079	5 910	3 710	392	67	315	125	190	--	--
1939 or earlier -----	34 020	28 960	17 220	10 328	1 095	317	5 060	1 527	3 356	25	152
INCOME IN 1969											
Less than \$2,000 -----	12 577	9 896	6 956	2 724	119	97	2 691	748	1 877	--	56
\$2,000 to \$2,999 -----	6 300	5 402	3 424	1 835	124	19	898	259	605	18	16
\$3,000 to \$3,999 -----	5 663	5 146	3 214	1 755	135	42	517	178	327	5	7
\$4,000 to \$4,999 -----	5 149	4 755	2 957	1 606	147	45	394	139	229	4	22
\$5,000 to \$5,999 -----	5 255	4 955	2 990	1 766	153	46	300	82	201	--	17
\$6,000 to \$6,999 -----	4 791	4 583	2 640	1 728	157	58	208	57	141	--	10
\$7,000 to \$9,999 -----	11 350	11 001	5 649	4 812	463	77	349	95	238	--	16
\$10,000 to \$14,999 -----	8 342	8 183	3 943	3 804	385	51	159	63	96	--	--
\$15,000 to \$24,999 -----	2 892	2 839	1 468	1 194	160	17	53	14	29	--	10
\$25,000 or more -----	792	786	495	227	34	30	6	6	--	--	--
Median -----	\$5 400	\$5 700	\$5 100	\$6 600	\$7 700	\$5 800	\$2 100	\$2 300	\$2 000	...	\$3 700
GROSS RENT AS PERCENTAGE OF INCOME Specified renter occupied ²											
Less than 10 percent -----	62 909	57 349	33 643	21 352	1 872	482	5 560	1 641	3 738	27	154
10 to 14 percent -----	4 077	3 413	1 691	1 447	184	91	664	164	473	--	27
15 to 19 percent -----	9 361	8 711	4 391	3 882	385	53	650	170	451	--	29
20 to 24 percent -----	10 460	9 860	5 318	4 063	401	78	600	178	392	9	21
25 to 34 percent -----	7 874	7 404	4 189	2 922	242	51	470	120	336	4	10
35 percent or more -----	9 873	8 865	5 352	3 184	283	46	1 008	239	732	14	23
Not computed -----	18 165	16 343	10 892	4 985	324	142	1 822	663	1 122	--	37
	3 099	2 753	1 810	869	53	21	346	107	232	--	7
HEATING EQUIPMENT											
Steam or hot water -----	19 335	15 891	11 018	4 571	154	148	3 444	628	2 732	22	62
Warm-air furnace -----	19 274	18 131	9 656	7 527	793	155	1 143	474	620	--	49
Built-in electric units -----	13 235	13 080	7 577	5 182	274	47	155	73	69	--	13
Floor, wall, or pipeless furnace -----	2 783	2 678	1 348	1 128	198	4	105	41	58	--	6
Other means -----	8 397	7 699	4 106	3 013	452	128	698	415	259	--	24
None -----	87	67	31	30	6	--	20	10	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 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]

Portland	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	81 793	417	602	2 351	11 917	22 261	19 242	12 871	12 132	5.7
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	80 634	378	547	2 256	11 620	21 999	19 291	12 726	11 817	5.7
PERSONS										
1 person	14 856	347	424	1 046	3 505	4 957	2 563	1 271	743	4.9
2 persons	29 726	65	114	979	5 796	9 850	7 167	3 648	2 107	5.3
3 persons	12 763	-	36	149	1 554	3 517	3 336	2 431	1 740	5.8
4 persons	11 066	-	10	72	722	2 331	3 127	2 344	2 460	6.3
5 persons	6 825	5	9	68	231	1 006	1 801	1 557	2 148	6.7
6 persons or more	6 557	-	9	37	109	600	1 248	1 620	2 934	7.3
Median	2.4	1.1	1.2	1.6	1.9	2.1	2.5	3.1	4.1	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	81 146	378	579	2 273	11 795	22 160	19 075	12 795	12 091	5.7
0.50 or less	53 612	-	406	1 004	9 183	14 734	12 934	7 293	8 058	5.6
0.51 to 1.00	25 460	308	114	1 108	2 272	6 831	5 678	5 264	3 885	5.9
1.01 to 1.50	1 767	-	36	60	303	555	442	223	148	5.9
1.51 or more	307	70	23	101	37	40	21	15	-	3.1
Lacking some or all plumbing facilities	647	39	28	78	122	101	167	76	41	5.1
0.50 or less	470	-	18	42	118	73	132	57	30	5.3
0.51 to 1.00	141	39	-	20	4	23	25	19	11	4.8
1.01 to 1.50	27	-	-	12	-	5	10	-	-	...
1.51 or more	9	-	5	4	-	-	-	-	-	...
BEDROOMS										
None and 1	5 573	294	692	1 760	2 058	574	137	-	58	3.5
2	28 281	-	-	493	9 578	14 510	2 768	578	354	4.8
3	29 598	-	-	-	428	6 893	14 188	5 617	2 472	6.0
4 or more	18 389	-	-	-	-	206	1 860	6 535	9 788	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	416	21	15	15	25	133	100	19	88	5.5
1960 to 1968	5 318	257	289	263	387	1 224	1 204	542	1 152	5.7
1950 to 1959	14 371	36	100	204	2 383	4 183	3 576	1 879	2 010	5.6
1949 or earlier	61 688	103	198	1 869	9 122	16 721	14 362	10 431	8 882	5.7
COMPLETE BATHROOMS										
1 and 1 1/2	65 998	378	523	2 086	11 169	20 715	16 335	9 324	5 468	5.4
2 or more	14 780	7	24	177	513	1 338	2 963	3 402	6 356	7.2
None or also used by another household	1 028	61	14	114	220	218	211	118	72	5.0
VALUE-INCOME RATIO										
Specified owner occupied¹	77 144	79	158	1 646	10 864	21 192	18 818	12 544	11 843	5.7
Less than 1.5	33 174	36	48	607	4 391	8 522	8 587	5 727	5 256	5.8
1.5 to 1.9	13 510	20	9	230	1 479	3 418	3 407	2 597	2 350	6.0
2.0 to 2.9	12 140	9	20	195	1 651	3 292	2 808	2 002	2 163	5.8
3.0 or more	17 587	14	71	576	3 239	5 741	3 843	2 118	1 985	5.4
Not computed	733	-	10	38	104	219	173	100	89	5.5
Renter occupied housing units	63 111	6 160	7 362	15 482	15 540	10 306	4 581	2 255	1 425	3.7
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	55 686	1 741	5 897	14 902	15 244	9 822	4 439	2 133	1 508	3.8
PERSONS										
1 person	28 001	5 813	5 899	9 413	4 443	1 755	471	125	82	2.7
2 persons	17 839	298	1 245	4 833	6 285	3 646	1 008	357	167	3.9
3 persons	7 583	29	155	856	3 026	2 171	867	306	173	4.4
4 persons	4 653	11	29	267	1 230	1 538	833	480	265	5.0
5 persons	2 454	5	24	54	391	721	651	341	267	5.5
6 persons or more	2 581	4	10	59	165	475	751	646	471	6.3
Median	1.7	1.0	1.1	1.3	2.0	2.4	3.4	4.2	4.6	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	57 546	2 597	6 121	15 014	15 378	10 222	4 565	2 231	1 418	3.8
0.50 or less	33 736	-	4 820	9 073	10 609	5 326	2 330	783	795	3.8
0.51 to 1.00	21 451	2 391	1 118	5 566	4 213	4 421	1 879	1 298	565	3.9
1.01 to 1.50	1 877	-	133	262	519	444	341	126	52	4.6
1.51 or more	482	206	50	113	37	31	15	24	6	2.2
Lacking some or all plumbing facilities	5 565	3 563	1 241	468	162	84	16	24	7	1.3
0.50 or less	1 641	-	1 079	340	119	75	16	5	7	2.3
0.51 to 1.00	3 743	3 422	127	123	43	9	-	19	-	1.0
1.01 to 1.50	27	-	22	5	-	-	-	-	-	...
1.51 or more	154	141	13	-	-	-	-	-	-	1.0
BEDROOMS										
None	9 797	6 319	2 735	743	-	-	-	-	-	1.3
1	23 069	-	4 482	13 398	4 497	574	118	-	-	3.0
2	20 835	-	-	863	10 413	8 084	1 132	305	38	4.4
3 or more	9 478	-	-	-	244	2 272	3 582	2 173	1 207	6.1
YEAR STRUCTURE BUILT										
1969 to March 1970	1 557	191	161	287	539	263	84	16	16	3.8
1960 to 1968	10 186	408	1 145	2 552	3 978	1 668	291	90	54	3.7
1950 to 1959	7 229	385	466	1 861	2 223	1 460	513	208	113	3.9
1949 or earlier	44 139	5 176	5 590	10 782	8 800	6 915	3 693	1 941	1 242	3.6
COMPLETE BATHROOMS										
1 and 1 1/2	54 252	2 317	5 968	14 796	14 937	9 376	4 121	1 770	967	3.8
2 or more	2 329	44	36	203	352	462	328	363	541	5.7
None or also used by another household	6 530	3 706	1 434	740	378	168	71	26	7	1.4
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	62 909	6 155	7 362	15 426	15 494	10 270	4 536	2 241	1 425	3.7
Less than 10 percent	4 077	673	558	856	896	551	303	143	97	3.4
10 to 14 percent	9 361	738	986	2 083	2 454	1 864	661	394	181	3.9
15 to 19 percent	10 440	608	977	2 437	2 747	2 095	826	473	297	3.9
20 to 24 percent	7 874	579	670	1 943	2 055	1 452	660	355	160	3.9
25 to 34 percent	9 873	1 156	1 163	2 297	2 512	1 555	734	264	192	3.6
35 percent or more	18 165	2 097	2 702	5 039	4 163	2 241	1 115	458	330	3.3
Not computed	3 099	304	306	751	667	512	237	154	168	3.8

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]

Portland	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	81 793	78 045	3 424	324	63 111	20 339	5 449	5 581	5 419	8 767	17 530	26
ROOMS												
1 room	417	85	312	20	6 160	198	44	107	392	669	4 750	—
2 rooms	602	167	314	121	7 362	466	135	467	816	1 788	3 684	6
3 rooms	2 351	1 696	529	126	15 482	2 212	1 004	1 961	2 106	2 960	5 228	11
4 rooms	11 917	10 979	897	41	15 540	4 908	2 274	1 970	1 478	2 225	2 681	4
5 rooms	22 261	21 435	810	16	10 306	5 580	1 515	769	512	939	986	5
6 rooms	19 242	19 002	240	—	4 581	3 580	358	256	93	146	148	—
7 rooms	12 871	12 712	159	—	2 255	2 052	86	36	12	22	47	—
8 rooms or more	12 132	11 969	163	—	1 425	1 343	33	15	10	18	6	—
Median	5.7	5.7	4.1	2.7	3.7	4.9	4.2	3.6	3.2	3.2	2.6	...
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	81 146	77 558	3 297	291	57 546	20 202	5 359	5 205	4 719	7 878	14 168	15
0.50 or less	53 612	51 161	2 259	192	33 736	9 428	3 220	3 503	3 190	5 447	8 948	—
0.51 to 1.00	25 460	24 416	961	83	21 451	9 292	1 911	1 586	1 400	2 282	4 965	15
1.01 to 1.50	1 767	1 710	47	10	1 877	1 264	204	96	101	102	110	—
1.51 or more	307	271	30	6	482	218	24	20	28	47	145	—
Lacking some or all plumbing facilities	647	487	127	38	5 565	137	90	376	700	889	3 362	11
0.50 or less	470	372	84	14	1 641	103	70	248	329	382	503	6
0.51 to 1.00	141	93	34	14	3 743	34	20	123	356	466	2 739	5
1.01 to 1.50	27	18	4	5	27	—	—	—	4	—	23	—
1.51 or more	9	4	5	—	154	—	—	5	11	41	97	—
BEDROOMS												
None	377	102	252	23	9 797	405	98	197	701	1 359	7 039	—
1	5 196	3 848	1 175	173	23 069	3 769	1 688	2 577	3 293	4 328	7 414	—
2	28 281	26 992	1 196	93	20 835	8 626	3 304	2 085	1 505	2 530	2 785	—
3	29 598	29 207	391	—	6 598	5 203	512	317	57	145	364	—
4 or more	18 389	18 268	121	—	2 880	2 707	72	20	22	44	15	—
YEAR STRUCTURE BUILT												
1969 to March 1970	416	311	94	11	1 557	217	136	141	165	370	528	—
1965 to 1968	1 827	1 401	370	56	5 552	707	350	537	596	1 246	2 112	4
1960 to 1964	3 491	2 930	472	89	4 634	810	324	495	644	780	1 581	—
1950 to 1959	14 371	13 736	499	136	7 229	2 787	729	785	619	687	1 622	—
1940 to 1949	13 118	12 842	271	5	10 267	4 154	893	1 163	937	1 374	1 741	5
1939 or earlier	48 570	46 825	1 718	27	33 872	11 664	3 017	2 460	2 458	4 310	9 946	17
INCOME IN 1969												
Less than \$2,000	7 935	7 355	516	64	12 577	2 637	843	1 111	1 187	1 908	4 885	6
\$2,000 to \$2,999	5 022	4 597	383	42	6 300	1 518	435	560	656	960	2 171	—
\$3,000 to \$3,999	4 165	3 820	320	25	5 663	1 442	505	505	567	806	1 832	6
\$4,000 to \$4,999	3 896	3 680	196	20	5 149	1 509	430	441	416	786	1 557	10
\$5,000 to \$5,999	3 679	3 392	261	26	5 255	1 633	543	450	472	820	1 337	—
\$6,000 to \$6,999	4 059	3 824	206	29	4 791	1 735	417	508	406	678	1 047	—
\$7,000 to \$9,999	14 843	14 284	511	48	11 350	4 456	1 098	962	946	1 498	2 386	4
\$10,000 to \$14,999	21 186	20 562	559	65	8 342	3 975	833	680	576	868	1 410	—
\$15,000 to \$24,999	12 816	12 463	348	5	2 892	1 205	300	302	178	327	580	—
\$25,000 or more	4 192	4 068	124	—	792	229	45	62	15	116	325	—
Median	\$9 500	\$9 600	\$6 200	\$5 400	\$5 400	\$6 800	\$5 900	\$5 400	\$4 700	\$4 900	\$3 900	...
YEAR MOVED INTO UNIT												
1969 to March 1970	7 148	6 628	475	45	30 068	9 509	2 703	2 641	2 652	4 570	7 977	16
1968	5 233	4 771	380	82	9 249	3 111	834	851	802	1 175	2 476	—
1967	4 355	4 032	275	48	5 404	1 848	455	449	470	714	1 468	—
1965 and 1966	7 084	6 731	306	47	5 539	1 907	405	482	478	681	1 581	5
1960 to 1964	14 387	13 692	631	64	6 796	1 982	561	744	486	929	2 086	8
1950 to 1959	21 888	21 103	733	52	4 378	1 226	289	409	397	636	1 413	8
1949 or earlier	21 711	21 043	668	—	1 677	678	138	114	83	241	423	—
GROSS RENT												
Specified renter occupied ¹	...	...	...	...	62 909	20 137	5 449	5 581	5 419	8 767	17 530	26
Less than \$50	...	...	...	...	5 240	326	67	353	601	802	3 085	6
\$50 to \$59	...	...	...	...	2 810	424	236	322	318	383	1 127	—
\$60 to \$69	...	...	...	...	3 798	715	302	415	389	607	1 364	6
\$70 to \$79	...	...	...	...	4 618	955	338	477	426	834	1 588	—
\$80 to \$89	...	...	...	...	10 767	2 898	1 121	1 085	1 133	1 682	2 848	—
\$100 to \$119	...	...	...	...	10 876	4 297	1 232	1 008	913	1 440	1 986	—
\$120 to \$149	...	...	...	...	12 844	4 964	1 123	1 235	1 071	1 757	2 689	5
\$150 to \$199	...	...	...	...	8 207	3 806	863	566	426	916	1 626	4
\$200 to \$299	...	...	...	...	1 543	601	35	59	60	98	690	—
\$300 or more	...	...	...	...	288	76	—	4	5	—	203	—
No cash rent	...	...	...	...	1 918	1 075	132	57	77	248	324	5
Median	...	...	...	...	\$106	\$120	\$110	\$102	\$96	\$99	\$90	...
HEATING EQUIPMENT												
Steam or hot water	3 384	2 582	802	—	19 335	735	243	930	1 500	4 359	11 562	6
Warm-air furnace	61 359	59 467	1 767	125	19 274	10 662	2 689	1 835	1 327	1 058	1 698	5
Built-in electric units	5 965	5 543	361	61	13 235	2 797	994	1 426	1 652	2 723	3 643	—
Floor, wall, or pipeless furnace	3 538	3 395	115	28	2 783	1 720	240	234	211	127	241	10
Other means	7 522	7 033	379	110	8 397	4 405	1 278	1 152	719	489	349	5
None	25	25	—	—	87	20	5	4	10	11	37	—
AIR CONDITIONING												
Room unit(s)	6 082	5 657	368	57	2 915	737	233	232	295	378	1 040	—
Central system	2 821	2 426	362	33	1 565	228	41	38	70	34	1 154	—
None	72 903	69 917	2 738	248	58 631	19 296	5 111	5 420	5 003	8 534	15 230	37
AUTOMOBILES AVAILABLE												
1	38 938	37 207	1 495	236	30 760	10 684	3 030	3 274	2 854	4 466	6 428	24
2	25 844	25 207	608	29	9 075	4 633	1 006	707	634	855	1 235	5
3 or more	5 683	5 505	160	18	1 692	1 001	156	105	79	176	175	—
None	11 341	10 081	1 205	55	21 584	3 943	1 193	1 604	1 801	3 449	9 586	8

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)

Portland	Total	Two-or-more-person households								One-person households		
		Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
Owner occupied housing units	81 793	1 269	7 289	9 323	26 750	12 108	1 902	747	5 060	2 489	5 625	9 231
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	81 146	1 269	7 270	9 274	26 642	12 001	1 886	738	5 020	2 444	5 539	9 063
0.50 or less	53 612	660	2 269	2 258	16 677	10 437	1 140	564	3 238	2 075	5 506	8 788
0.51 to 1.00	25 460	574	4 644	6 241	9 400	1 474	651	166	1 651	351	33	275
1.01 to 1.50	1 767	16	305	709	468	56	92	8	95	18	—	—
1.51 or more	307	19	52	66	97	34	3	—	36	—	—	—
Lacking some or all plumbing facilities	647	—	19	49	108	107	16	9	40	45	86	168
0.50 or less	470	—	15	6	71	88	16	5	20	34	61	154
0.51 to 1.00	141	—	—	32	32	19	—	—	15	4	25	14
1.01 to 1.50	27	—	—	11	5	—	—	—	4	7	—	—
1.51 or more	9	—	4	—	—	—	—	—	5	—	—	—
UNITS IN STRUCTURE												
1	78 045	1 240	7 119	9 195	26 171	11 540	1 818	713	4 807	2 330	4 973	8 139
2 or more	3 424	25	148	113	538	550	73	22	230	159	547	1 019
Mobile home or trailer	324	4	22	15	41	18	11	12	23	—	105	73
INCOME IN 1969												
Less than \$2,000	7 935	67	127	68	393	661	99	95	624	465	1 000	4 336
\$2,000 to \$2,999	5 022	16	54	71	255	1 417	53	66	346	325	462	1 957
\$3,000 to \$3,999	4 165	50	68	67	283	1 547	59	48	363	200	555	925
\$4,000 to \$4,999	3 896	58	95	97	362	1 448	60	53	451	184	582	506
\$5,000 to \$5,999	3 679	53	181	161	500	1 057	74	52	490	143	516	452
\$6,000 to \$6,999	4 059	109	260	157	836	947	161	80	500	169	572	268
\$7,000 to \$9,999	14 843	451	2 107	1 695	4 857	2 078	417	98	1 267	397	1 086	390
\$10,000 to \$14,999	21 186	400	3 183	3 908	9 289	1 678	588	114	705	399	665	257
\$15,000 to \$24,999	12 816	60	1 044	2 427	7 446	890	267	89	238	150	123	92
\$25,000 or more	4 192	5	170	672	2 529	395	124	52	76	57	64	48
Median	\$9 500	\$8 900	\$11 200	\$13 000	\$13 200	\$5 900	\$10 200	\$6 700	\$6 500	\$5 500	\$5 400	\$2 100
VALUE-INCOME RATIO												
Specified owner occupied ¹	77 144	1 213	7 080	9 144	25 852	11 375	1 782	713	4 733	2 307	4 904	8 061
Less than 1.5	33 174	564	3 531	5 021	16 565	2 765	1 013	298	1 281	711	1 059	366
1.5 to 1.9	13 510	253	1 949	2 133	4 619	1 896	300	102	879	284	780	315
2.0 to 2.4	7 559	135	773	1 041	2 142	1 454	145	45	573	217	650	384
2.5 to 2.9	4 581	61	315	435	922	1 248	69	47	478	147	450	409
3.0 to 3.9	5 425	82	209	260	692	1 713	91	65	468	236	528	1 081
4.0 or more	12 162	101	273	236	818	2 252	135	156	941	691	1 264	5 295
Not computed	733	17	10	18	94	47	29	—	113	21	173	211
Renter occupied housing units	63 111	5 167	6 962	3 272	5 179	2 880	2 984	224	7 680	762	17 758	10 243
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	57 546	5 076	6 885	3 224	5 101	2 808	2 867	203	7 566	735	14 476	8 605
0.50 or less	33 736	1 756	1 962	558	2 351	1 626	1 336	114	2 953	390	13 295	7 395
0.51 to 1.00	21 451	3 091	4 386	2 115	2 449	1 123	1 398	69	4 105	324	1 181	1 210
1.01 to 1.50	1 877	181	470	434	241	6	82	5	415	6	—	—
1.51 or more	482	48	67	117	60	16	51	15	93	15	—	—
Lacking some or all plumbing facilities	5 565	91	77	48	78	72	117	21	114	27	3 282	1 638
0.50 or less	1 641	5	6	13	21	21	12	—	43	22	957	541
0.51 to 1.00	3 743	56	39	13	42	40	57	15	54	5	2 325	1 097
1.01 to 1.50	27	14	13	—	—	—	—	—	—	—	—	—
1.51 or more	154	16	19	22	15	11	48	6	17	—	—	—
UNITS IN STRUCTURE												
1	20 339	2 187	3 992	2 210	2 458	816	1 078	87	3 402	256	2 458	1 395
2 to 4	11 030	1 173	1 458	411	944	584	538	26	1 723	143	2 779	1 251
5 to 19	14 186	1 167	888	355	864	586	668	78	1 407	182	5 418	2 573
20 or more	17 530	640	620	285	913	889	700	33	1 148	181	7 097	5 024
Mobile home or trailer	26	—	4	11	—	5	—	—	—	—	6	—
GROSS RENT												
Specified renter occupied ²	62 909	5 158	6 933	3 272	5 165	2 875	2 976	214	7 625	762	17 712	10 217
Less than \$50	5 240	16	39	54	92	114	64	22	126	30	17 412	2 248
\$50 to \$59	2 810	77	69	42	80	90	119	5	399	21	1 201	707
\$60 to \$69	3 798	142	136	85	172	91	105	—	425	55	1 595	992
\$70 to \$79	4 618	227	178	66	233	232	178	23	373	42	2 004	1 062
\$80 to \$99	10 767	891	733	309	793	537	398	44	1 194	131	3 871	1 866
\$100 to \$119	10 876	1 321	1 497	553	941	481	547	50	1 557	120	2 750	1 059
\$120 to \$149	12 844	1 721	2 191	877	1 203	415	665	40	2 026	145	2 402	1 159
\$150 to \$199	8 207	689	1 803	970	1 012	351	659	15	1 260	97	937	414
\$200 to \$299	1 543	27	186	200	261	171	147	5	182	49	146	169
\$300 or more	288	—	5	13	68	95	28	—	13	—	26	40
No cash rent	1 918	47	96	103	310	298	66	10	70	72	345	501
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	62 909	5 158	6 933	3 272	5 165	2 875	2 976	214	7 625	762	17 712	10 217
Less than \$5,000	29 562	1 371	776	386	738	1 227	1 459	182	4 535	413	9 743	8 732
Less than 20 percent	1 876	56	39	23	63	75	49	—	79	5	1 039	448
20 to 24 percent	2 319	97	48	16	122	151	50	11	326	20	967	511
25 to 34 percent	5 793	376	185	90	157	241	209	20	774	69	2 192	1 480
35 percent or more	17 379	796	478	222	330	603	1 008	136	3 088	257	4 858	5 623
Not computed	2 195	46	26	35	66	157	143	15	288	62	687	670
\$5,000 to \$9,999	21 345	2 709	3 266	1 309	1 808	985	1 061	18	2 469	212	6 336	1 172
Less than 20 percent	11 036	1 301	1 677	628	1 031	445	371	13	831	93	4 060	586
20 to 24 percent	4 988	829	901	314	316	129	270	5	634	39	1 311	240
25 to 34 percent	3 967	500	565	243	246	253	339	—	801	32	773	215
35 percent or more	754	53	73	62	65	50	56	—	178	35	107	75
Not computed	600	26	50	62	150	108	25	—	25	13	85	56
\$10,000 to \$14,999	8 322	941	2 302	1 072	1 478	326	273	5	465	95	1 198	167
Less than 20 percent	7 486	931	2 114	955	1 292	251	216	—	405	89	1 105	128
20 to 24 percent	491	5	158	80	79	20	31	—	53	—	55	10
25 percent or more	140	—	13	21	18	40	16	—	4	—	5	10
Not computed	205	5	17	16	89	15	10	—	3	—	33	19
\$15,000 or more	3 680	137	589	505	1 141	337	183	9	156	42	435	146
Less than 20 percent	3 500	137	579	495	1 070	295	168	9	156	36	424	131
20 to 24 percent	76	—	—	5	27	19	15	—	—	—	6	4
25 percent or more	5	—	—	—	5	—	—	—	—	—	—	—
Not computed	99	—	10	5	39	23	—	—	—	—	5	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]

Portland	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	81 793	14 856	29 726	12 763	11 066	6 825	3 749	1 827	981	2.4
BEDROOMS										
None and 1	5 573	3 024	1 992	287	144	126	—	—	—	1.4
2	28 281	7 282	14 117	3 906	2 096	517	220	143	—	2.0
3	29 598	3 199	9 866	6 057	5 629	3 111	1 037	507	192	2.8
4 or more	18 389	1 548	3 378	2 668	3 078	3 037	2 718	1 174	788	4.0
YEAR STRUCTURE BUILT										
1969 to March 1970	416	52	119	64	99	47	16	19	—	3.1
1965 to 1968	1 827	300	588	303	342	189	46	54	5	2.6
1960 to 1964	3 491	563	967	594	644	381	182	104	34	2.8
1950 to 1959	14 371	1 756	5 248	2 528	2 512	1 381	588	258	100	2.6
1940 to 1949	13 118	2 190	4 998	2 260	1 735	1 095	506	240	94	2.4
1939 or earlier	48 570	9 995	17 786	7 012	5 734	3 732	2 411	1 152	748	2.3
UNITS IN STRUCTURE										
1	78 045	13 112	28 392	12 396	10 893	6 768	3 710	1 817	957	2.4
2 or more	3 424	1 566	1 227	339	162	57	39	10	24	1.6
Mobile home or trailer	324	178	107	28	11	—	—	—	—	1.4
COMPLETE BATHROOMS										
1 and 1 1/2	65 998	13 243	25 142	10 158	8 255	4 936	2 570	1 137	557	2.3
2 and 2 1/2	12 058	935	3 638	2 021	2 235	1 499	886	511	333	3.2
3 or more	2 722	157	729	462	504	440	196	164	70	3.5
None or also used by another household	1 028	436	318	115	89	27	17	26	—	1.7
HOUSEHOLD COMPOSITION										
Two-or-more-person households	66 937	...	29 726	12 763	11 066	6 825	3 749	1 827	981	2.8
Male head, wife present, no nonrelatives	56 739	...	24 164	10 510	9 921	6 231	3 409	1 649	855	2.9
Under 25 years	1 269	...	432	457	278	61	7	22	12	2.9
25 to 34 years	7 289	...	903	1 410	2 496	1 440	699	264	77	4.0
35 to 44 years	9 323	...	763	1 115	2 340	2 289	1 531	648	437	4.7
45 to 64 years	26 750	...	11 901	6 068	4 517	2 347	1 115	484	318	2.7
65 years and over	12 108	...	10 165	1 460	290	94	57	31	11	2.1
Other male head	2 649	...	1 389	550	301	144	99	88	78	2.5
Under 65 years	1 902	...	910	362	251	130	99	80	70	2.6
65 years and over	747	...	479	188	50	14	—	8	8	2.3
Female head	7 549	...	4 173	1 703	844	450	241	90	48	2.4
Under 65 years	5 060	...	2 305	1 304	711	404	215	80	41	2.7
65 years and over	2 489	...	1 868	399	133	46	26	10	7	2.2
One-person households	14 856	14 856	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	77 144	12 965	28 005	12 267	10 821	6 694	3 672	1 763	957	2.4
Less than 1.5	33 174	1 425	11 203	7 118	5 959	3 715	2 151	1 009	594	3.1
1.5 to 1.9	13 510	1 095	4 890	2 302	2 405	1 573	736	333	176	2.8
2.0 to 2.4	7 559	1 034	3 180	1 011	1 086	613	355	180	100	2.4
2.5 to 2.9	4 581	859	2 084	540	517	278	170	118	15	2.2
3.0 to 3.9	5 425	1 609	2 518	514	363	222	116	54	29	1.9
4.0 or more	12 162	6 559	3 970	689	440	283	134	51	36	1.4
Not computed	733	384	160	93	51	10	10	18	7	1.5
Renter occupied housing units	63 111	28 001	17 839	7 583	4 653	2 454	1 357	779	445	1.7
BEDROOMS										
None	9 797	8 823	872	60	42	—	—	—	—	1.1
1	23 069	14 626	7 014	1 074	213	22	120	—	—	1.3
2	20 835	3 818	8 817	4 815	2 318	826	164	79	—	2.2
3 or more	9 478	768	1 388	1 488	1 988	1 779	994	710	363	4.1
YEAR STRUCTURE BUILT										
1969 to March 1970	1 557	552	554	275	95	37	25	14	5	1.9
1965 to 1968	5 552	2 007	2 169	855	337	113	45	13	13	1.9
1960 to 1964	4 634	1 612	1 920	623	332	69	38	35	5	1.9
1950 to 1959	7 229	2 593	2 210	1 249	656	337	118	46	20	2.0
1940 to 1949	10 267	3 957	2 965	1 395	967	475	309	139	60	1.9
1939 or earlier	33 872	17 280	8 021	3 186	2 266	1 423	822	532	342	1.5
UNITS IN STRUCTURE										
1	20 339	3 853	5 264	3 679	3 291	1 926	1 197	697	432	2.8
2	5 449	1 483	2 163	1 016	471	201	76	31	8	2.1
3 and 4	5 581	2 547	1 869	680	297	138	20	30	—	1.6
5 to 9	5 419	2 996	1 659	554	147	34	17	7	5	1.4
10 to 19	8 767	4 995	2 654	774	219	97	28	—	—	1.4
20 or more	17 530	12 121	4 219	876	223	58	19	14	—	1.2
Mobile home or trailer	26	6	11	4	5	—	—	—	—	...
COMPLETE BATHROOMS										
1 and 1 1/2	54 252	22 246	16 222	7 123	4 251	2 146	1 234	677	353	1.8
2 or more	2 329	348	835	350	267	190	126	91	122	2.5
None or also used by another household	6 530	5 500	659	184	98	67	15	7	—	1.1
HOUSEHOLD COMPOSITION										
Two-or-more-person households	35 110	...	17 839	7 583	4 653	2 454	1 357	779	445	2.5
Male head, wife present, no nonrelatives	23 460	...	11 337	5 071	3 348	1 798	987	557	362	2.6
Under 25 years	5 167	...	2 692	1 720	558	104	67	22	4	2.5
25 to 34 years	6 962	...	2 314	1 783	1 509	804	341	140	71	3.2
35 to 44 years	3 272	...	703	497	635	607	359	291	180	4.2
45 to 64 years	5 179	...	3 105	854	564	269	202	88	97	2.3
65 years and over	2 880	...	2 523	217	82	14	18	16	10	2.1
Other male head	3 208	...	2 137	550	272	117	83	34	15	2.3
Under 65 years	2 984	...	1 971	508	261	117	78	34	15	2.3
65 years and over	224	...	166	42	11	—	5	—	—	2.2
Female head	8 442	...	4 365	1 982	1 033	539	287	188	68	2.5
Under 65 years	7 680	...	3 754	1 860	1 006	527	281	184	68	2.5
65 years and over	762	...	611	102	27	12	6	4	—	2.1
One-person households	28 001	28 001	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	62 909	27 929	17 803	7 548	4 629	2 440	1 341	779	440	1.7
Less than 10 percent	4 077	1 567	1 335	454	335	158	130	56	42	1.9
10 to 14 percent	9 361	2 862	3 339	1 313	949	441	234	159	64	2.0
15 to 19 percent	10 460	3 492	3 307	1 578	947	556	324	192	64	2.0
20 to 24 percent	7 874	3 104	2 243	1 077	737	363	184	93	73	1.9
25 to 34 percent	9 873	4 679	2 621	1 188	580	404	202	128	71	1.6
35 percent or more	18 145	10 668	4 064	1 660	863	427	232	147	104	1.4
Not computed	3 099	1 557	894	278	218	91	35	4	22	1.5

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 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]

Portland	Portland				Portland	Portland			
	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	664	312	220	132	Vacant for rent	4 632	3 592	729	371
ROOMS					ROOMS				
1 to 3 rooms	42	20	9	13	1 room	811	708	59	44
4 rooms	82	43	27	12	2 rooms	570	450	83	37
5 rooms	192	81	83	28	3 rooms	996	799	143	54
6 rooms	184	111	44	29	4 rooms	1 005	756	164	85
7 rooms or more	164	57	57	50	5 rooms	771	513	167	91
					6 rooms	251	181	50	20
					7 rooms or more	228	125	63	40
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	649	302	220	127	With all plumbing facilities	3 701	2 762	636	303
Lacking some or all plumbing facilities	15	10	-	5	Lacking some or all plumbing facilities	931	770	93	68
BEDROOMS					BEDROOMS				
None and 1	133	35	61	37	None	888	733	76	79
2	152	72	40	40	1	1 757	1 246	319	192
3	297	200	83	14	2	1 330	980	262	88
4 or more	227	76	39	112	3 or more	573	361	112	100
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	21	4	10	7	1969 to March 1970	180	143	25	12
1960 to 1968	35	20	5	10	1960 to 1968	509	417	63	29
1950 to 1959	89	57	28	4	1950 to 1959	320	283	26	11
1949 or earlier	519	231	177	111	1949 or earlier	3 623	2 689	615	319
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	608	283	206	119	1	1 218	837	269	112
2 or more	56	29	14	13	2 to 4	799	519	174	106
					5 to 9	523	383	70	70
					10 to 19	742	598	124	20
					20 or more	1 350	1 195	92	63
HEATING EQUIPMENT					RENT ASKED				
Steam or hot water	47	24	6	17	Specified vacant for rent²	4 616	3 523	725	368
Warm-air furnace	444	205	164	75	Less than \$50	735	603	72	60
Built-in electric units	78	35	29	14	\$50 to \$59	393	287	81	25
Floor, wall, or pipeless furnace	23	5	12	6	\$60 to \$79	978	709	143	126
Other means	72	43	9	20	\$80 to \$99	877	689	133	55
None	-	-	-	-	\$100 to \$119	515	400	84	31
					\$120 to \$149	696	495	156	45
					\$150 to \$199	336	270	45	21
					\$200 or more	86	70	11	5
					Median rent asked	\$85	\$85	\$90	\$76
SALES PRICE ASKED									
Specified vacant for sale¹	598	283	206	109					
Less than \$5,000	11	-	3	8	Less than \$50	735	603	72	60
\$5,000 to \$9,999	136	60	40	36	\$50 to \$59	393	287	81	25
\$10,000 to \$14,999	200	101	78	21	\$60 to \$79	978	709	143	126
\$15,000 to \$19,999	167	85	54	28	\$80 to \$99	877	689	133	55
\$20,000 to \$24,999	50	27	16	7	\$100 to \$119	515	400	84	31
\$25,000 to \$34,999	17	5	7	5	\$120 to \$149	696	495	156	45
\$35,000 to \$49,999	6	3	4	4	\$150 to \$199	336	270	45	21
\$50,000 or more	11	2	8	-	\$200 or more	86	70	11	5
Median price asked	\$13 800	\$14 000	\$13 800	\$12 500					

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]

Portland	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	598	147	200	167	50	17	17	4 616	1 128	978	877	1 211	336	86
PLUMBING FACILITIES														
With all plumbing facilities	705	192	282	182	25	-	24	3 604	422	846	939	1 071	259	67
Lacking some or all plumbing facilities	-	-	-	-	-	-	-	911	607	172	27	43	49	13
BEDROOMS														
None and 1	90	36	54	-	-	-	-	2 645	901	712	543	367	109	13
2	139	59	66	14	-	-	-	1 330	82	254	278	534	140	42
3	297	33	115	124	25	-	-	361	32	52	74	138	40	25
4 or more	179	64	47	44	-	-	24	179	14	-	71	75	19	-
YEAR STRUCTURE BUILT														
1969 to March 1970	18	-	-	18	-	-	-	180	11	9	8	53	63	36
1960 to 1968	25	-	11	10	4	-	-	509	35	33	42	252	112	35
1950 to 1959	78	6	20	38	14	-	-	320	12	44	73	142	49	-
1949 or earlier	477	141	169	101	32	17	17	3 607	1 070	892	754	764	112	15
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	1 202	169	258	290	385	96	4
2 to 4 .....	...	...	...	...	...	...	...	799	149	206	193	219	27	5
5 to 19 .....	...	...	...	...	...	...	...	1 265	272	254	238	377	88	36
20 or more .....	...	...	...	...	...	...	...	1 350	538	260	156	230	125	41
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	1 247	696	216	142	126	53	14
Some or no utilities included .....	...	...	...	...	...	...	...	3 369	432	762	735	1 085	283	72

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

USUAL PLACE OF RESIDENCE ..	App-1
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STANDARD METROPOLITAN STATISTICAL AREAS	App-1

USUAL PLACE OF RESIDENCE

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

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

COUNTIES

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

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

PLACES

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

STANDARD METROPOLITAN STATISTICAL AREAS

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

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

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

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

Appendix B.—DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

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GENERAL

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

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

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

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

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

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

Separate data are also shown in this report for housing units occupied by heads of Spanish heritage, that is, household heads of Spanish language or Spanish surname in five Southwestern States (Arizona, California, Colorado, New Mexico, and Texas), heads of Puerto Rican birth or parentage in New York, New Jersey, and Pennsylvania, and heads of Spanish language in all other States. In 1960, household heads of Spanish surname were identified in the five Southwestern States and Puerto Rican heads of households were identified in all other States. More information on the 1970 definition is given in this report and in the 1970 Population Census Series PC(1)-C reports; the 1960 definition is more fully explained in the 1960 Census of Housing Volume 1 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>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>FOR CENSUS ENUMERATOR'S USE ONLY</p> <table border="1"> <thead> <tr> <th>a4. Block number</th> <th>a5. Serial number</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td></tr> <tr><td>7</td><td>7</td></tr> <tr><td>8</td><td>8</td></tr> <tr><td>9</td><td>9</td></tr> </tbody> </table>	a4. Block number	a5. Serial number	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
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<p>Answer these questions for your living quarters</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. 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>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;"><i>Phone number</i></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>For a vacant unit, also fill C, D, A, H2 to H8, and H10 to H12</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>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> <p style="border: 1px solid black; padding: 2px; font-size: small;">If this house is on a place of 10 acres or more, or if any part of this property is used as a commercial establishment or medical office, do not answer this question.</p>	<p>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>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>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>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>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</p> <p><input type="radio"/> 2 rooms</p> <p><input type="radio"/> 3 rooms</p> <p><input type="radio"/> 4 rooms</p> <p><input type="radio"/> 5 rooms</p> <p><input type="radio"/> 6 rooms</p> <p><input type="radio"/> 7 rooms</p> <p><input type="radio"/> 8 rooms</p> <p><input type="radio"/> 9 rooms or more</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>C/O <input type="radio"/> <input type="radio"/></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>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>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>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>																								

APPENDIX B—Continued

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

15 and 5 percent

15 percent

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—

a. Electricity?

- Yes, average monthly cost is → \$ _____ .00
- No, included in rent Average monthly cost
- No, electricity not used

b. Gas?

- Yes, average monthly cost is → \$ _____ .00
- No, included in rent Average monthly cost
- No, gas not used

c. Water?

- Yes, yearly cost is → \$ _____ .00
- No, included in rent or no charge Yearly cost

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

- Yes, yearly cost is → \$ _____ .00
- No, included in rent Yearly cost
- No, these fuels not used

H14. How are your living quarters heated?

Fill one circle for the kind of heat you use most.

- Steam or hot water system
- Central warm air furnace with ducts to the individual rooms, or central heat pump
- Built-in electric units (permanently installed in wall, ceiling, or baseboard)
- Floor, wall, or pipeless furnace
- Room heaters with flue or vent, burning gas, oil, or kerosene
- Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)
- Fireplaces, stoves, or portable room heaters of any kind

In some other way—Describe → _____

- None, unit has no heating equipment

H15. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.

- 1969 or 1970 1950 to 1959
- 1965 to 1968 1940 to 1949
- 1960 to 1964 1939 or earlier

H16. Which best describes this building?

Include all apartments, flats, etc., even if vacant.

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

Other—

Describe _____

H17. Is this building—

- On a city or suburban lot?— Skip to H19
- On a place of less than 10 acres?
- On a place of 10 acres or more?

H18. Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—

- Less than \$50 (or None) \$2,500 to \$4,999
- \$50 to \$249 \$5,000 to \$9,999
- \$250 to \$2,499 \$10,000 or more

H19. Do you get water from—

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

H20. Is this building connected to a public sewer?

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

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.

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

H22. Do you have air-conditioning?

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

H23. How many passenger automobiles are owned or regularly used by members of your household?

Count company cars kept at home.

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

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 <small>Average monthly cost</small> <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 <small>Average monthly cost</small> <input type="radio"/> No, included in rent <input type="radio"/> No, gas not used</p> <p>c. Water? <input checked="" type="checkbox"/> <input type="radio"/> Yes, yearly cost is \$ _____ .00 <small>Yearly cost</small> <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 <small>Yearly cost</small> <input type="radio"/> No, included in rent <input type="radio"/> No, these fuels not used</p> <p>H14. How are your living quarters heated? <i>Fill one circle for the kind of heat you use most.</i></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 (<i>permanently installed in wall, ceiling, or baseboard</i>) <input checked="" type="checkbox"/> <input type="radio"/> Floor, wall, or pipeless furnace <input type="radio"/> Room heaters <i>with</i> flue or vent, burning gas, oil, or kerosene <input type="radio"/> Room heaters <i>without</i> flue or vent, burning gas, oil, or kerosene (<i>not portable</i>) <input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind <input type="radio"/> In some other way—Describe _____ <input type="radio"/> None, unit has no heating equipment</p> <p>H15. About when was this building originally built? <i>Mark when the building was first constructed, not when it was remodeled, added to, or converted.</i></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>H16. Which best describes this building? <i>Include all apartments, flats, etc., even if vacant.</i></p> <p><input type="radio"/> A one-family house detached from any other house <input type="radio"/> A one-family house attached to one or more houses <input type="radio"/> A building for 2 families <input type="radio"/> A building for 3 or 4 families <input type="radio"/> A building for 5 to 9 families <input checked="" type="radio"/> A building for 10 to 19 families <input checked="" type="radio"/> <input type="radio"/> A building for 20 to 49 families <input type="radio"/> A building for 50 or more families <input type="radio"/> A mobile home or trailer Other— Describe _____</p> <p>H17. Is this building— <input type="radio"/> On a city or suburban lot?— <i>Skip to H24</i> <input type="radio"/> On a place of less than 10 acres? <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— <input type="radio"/> Less than \$50 (or None) <input checked="" type="radio"/> \$2,500 to \$4,999 <input type="radio"/> \$50 to \$249 <input type="radio"/> \$5,000 to \$9,999 <input type="radio"/> \$250 to \$2,499 <input type="radio"/> \$10,000 or more</p>	<p>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>H25a. Which fuel is used most for cooking? <input checked="" type="checkbox"/> Gas { From underground pipes serving the neighborhood. <input type="radio"/> Bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Other fuel .. <input type="radio"/> No fuel used <input type="radio"/></p> <p>b. Which fuel is used most for house heating? <input checked="" type="checkbox"/> Gas { From underground pipes serving the neighborhood. <input type="radio"/> Bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Other fuel .. <input type="radio"/> No fuel used <input type="radio"/></p> <p>c. Which fuel is used most for water heating? <input checked="" type="checkbox"/> Gas { From underground pipes serving the neighborhood. <input type="radio"/> Bottled, tank, or LP <input type="radio"/> Electricity <input type="radio"/> Fuel oil, kerosene, etc. <input type="radio"/> Coal or coke <input type="radio"/> Wood <input type="radio"/> Other fuel .. <input type="radio"/> No fuel used <input type="radio"/></p> <p>H26. How many bedrooms do you have? <i>Count rooms used mainly for sleeping even if used also for other purposes.</i></p> <p><input type="radio"/> No bedroom <input type="radio"/> 3 bedrooms <input type="radio"/> 1 bedroom <input checked="" type="radio"/> 4 bedrooms <input type="radio"/> 2 bedrooms <input type="radio"/> 5 bedrooms or more</p> <p>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 (<i>built-in or portable</i>)? <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>H28a. Do you have a television set? <i>Count only sets in working order.</i> <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>H29. Do you have a battery-operated radio? <i>Count car radios, transistors, and other battery-operated sets in working order or needing only a new battery for operation.</i> <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>
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15 and 5 percent

5 percent

APPENDIX B—Continued

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

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

- A.** Mark only one circle. This address means the house or building number where your living quarters are located.
- H1.** Mark **Yes** and enter telephone number, even if the telephone is in another apartment or building.
- H2.** Mark the second circle only if you **must** go through someone else's living quarters to get to your own.
- H3.** The kitchen sink, stove, and refrigerator do **not** have to be in the same room.
Also used by another household means that someone else who lives in the same building, but is not a member of your household, also uses the equipment. Mark this circle also if the occupants of living quarters now vacant would also use the equipment.
- H4.** Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do **not** count kitchenettes, strip or pullman kitchens; utility rooms; or unfinished attics, basements, or other space used for storage.
- H5.** Mark **hot water** even if you have it only part of the time.
- H6, H7.** See instructions for H3 for meaning of **Also used by another household**.
- H8.** A house has a **basement** if there is enclosed space in which persons can walk upright under all or part of the building. A house on a **concrete slab** has no basement and no air or crawl space below it. A house built in **another way** is one directly on the ground or resting on a foundation or posts to provide crawl space.
- H9.** **Owned or being bought** means that the living quarters are owned outright or are mortgaged. Also mark **Owned or being bought** if the living quarters are owned but the land is rented.
 Mark **Rented for cash rent** if any money rent is paid. Rent may be paid by persons who are not members of your household.
Occupied without payment of cash rent includes, for example, a parsonage, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.
- H10.** A **commercial establishment** is easily recognized from the outside; for example, a grocery store or barber shop. A **medical office** is a doctor's or dentist's office regularly visited by patients. If your house is on a place of 10 acres or more and also contains a commercial establishment or medical office, mark **Yes, 10 acres or more**.
- H11.** Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the land.
- H12.** Report the rent agreed to or contracted for, even if the furnishings, utilities, or services are included.
 a. If you pay rent by the month, write in the amount of rent and fill one circle.
 b. If rent is not paid by the month, answer both parts of b. For example, \$20 per week, \$1,500 per year, etc.
- H13.** If exact costs are not known, estimate as closely as possible. Report amounts even if bills are unpaid or are paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ({) the two utilities.
- H14.** This question refers to the type of heating equipment and not to the fuel used.
 A **heat pump** is sometimes known as a **reverse cycle** system.
 A **floor, wall, or pipeless furnace** delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. These furnaces do not have ducts leading to other rooms.
 Any heater that you plug into an electric outlet should be counted as a **portable room heater**--not a built-in electric unit.
- H16.** Count all occupied and vacant living quarters in the house or building, but not stores or office space.
Detached means there is open space on all sides, or the house is joined only to a shed or garage. **Attached** means that the house is joined to another house or building by at least one wall which goes from ground to roof.
- H17.** A **city or suburban lot** is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a **city or suburban lot**.
 A **place** is a farm, ranch, or any other property, other than a city or suburban lot, on which this **residence** is located.
- H18.** Fill the circle for the total (gross) amount of money received from the sales of crops, livestock, and other farm products produced on this place during the calendar year 1969.
- H19.** If a well provides water for six or more houses or apartments, mark a **public system**. If a well provides water for five or fewer houses or apartments, mark an **individual well**.
- H20.** A **public sewer** is operated by a government body or a private organization. A **septic tank or cesspool** is an underground tank or pit used for disposal of sewage.
- H22.** Count only equipment with a refrigeration unit to cool the air. Mark an **individual room unit** for air conditioners which are installed in a window or in an outside wall and are used to cool one or more rooms. Mark a **central system** for a central installation which cools the entire house or apartment.
- H23.** Do not count cars permanently out of working order. Also do not count taxicabs, pickups, or larger trucks.
- H24a.** Do not count a basement as a story.
 b. Do not count elevators used only for freight.
- H25.** **Gas from underground pipes** is piped in from a central system such as a public utility company or a municipal government. **Bottled, tank, or LP gas** is stored in tanks which are refilled or exchanged when empty. **Other fuel** includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.
- H27.** Mark the **Yes** circle whether you own the appliance or it is provided as part of the equipment in your living quarters. Do not count coin-operated equipment or appliances in storage.
- H28.** Count any set **equipped** to receive UHF (ultra high frequency) broadcasts, even if there are no such broadcasts in your area. Include sets that can be tuned directly to channels 14 to 83 and sets that receive UHF broadcasts by means of a converter. Also include sets that receive UHF broadcasts through a community antenna (CATV) or master antenna.
- H29.** A battery-operated radio is one that can be run on batteries and does not need to be plugged into an electric socket. Include battery-operated sets owned by any member of the household.
- H30.** Do not count vacation trailers, tents, or boats. Also do not count second homes used only for investment purposes.

Appendix C.—ACCURACY OF THE DATA

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

SOURCES OF ERROR

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

EDITING OF UNACCEPTABLE DATA

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

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

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

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

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

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

SAMPLE DESIGN

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

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

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

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

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

TABLE A. Sample Rate for Subjects Included in This Report

Subject	Sample rate (percent)	Subject	Sample rate (percent)
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		

RATIO ESTIMATION

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

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

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

Group

Occupied housing units:

STAGE I

Male Head With Own Children Under 18

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

Male Head Without Own Children Under 18

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

Female Head

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

STAGE II

Owner Occupied

- 19 Negro
- 20 Not Negro

Renter Occupied

- 21 Negro
- 22 Not Negro

Vacant housing units:

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

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

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

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

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

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

SAMPLING VARIABILITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Estimated number 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	...
				Automobiles available . . . . .	...	1.0	...
UTILIZATION CHARACTERISTICS				Appliances . . . . .	...	...	1.9
Rooms	1.0	1.1	2.1				
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	...
				Gross rent	0.9	1.1	2.1
PLUMBING CHARACTERISTICS				Gross rent as percentage of income	1.0	1.2	...
Complete bathrooms . . . . .	...	1.1	...	Sales price asked	1.1	...	2.5
Plumbing facilities	1.0	...	...	Rent asked	1.1	...	2.5
STRUCTURAL CHARACTERISTICS				HOUSEHOLD CHARACTERISTICS			
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
				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, 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 calls 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.



OFFICIAL BUSINESS

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8, 18, 26 PERSONS

9 DURATION OF VACANCY

10 SALES PRICE ASKED
AND RENT ASKED

A UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION



Metropolitan Housing Characteristics

PROVIDENCE-PAWTUCKET-WARWICK, R.I.-MASS.
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-172

U.S. DEPARTMENT
OF COMMERCE
Social and Economic
Statistics Administration
BUREAU OF
THE CENSUS

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David L. Kaplan, 1970 Census Coordinator

HOUSING DIVISION

Arthur F. Young, Chief

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**1970
CENSUS OF
HOUSING**

Metropolitan
Housing
Characteristics

**PROVIDENCE-PAWTUCKET-
WARWICK, R.I.-MASS.**

**STANDARD METROPOLITAN
STATISTICAL AREA**

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8, 18, 26	PERSONS
9	DURATION OF VACANCY
10	SALES PRICE ASKED AND RENT ASKED

LIST OF HC(2) REPORTS

Report number	Area	Report number	Area	Report number	Area
1	United States and Regions	43	Chattanooga, Tenn.-Ga. SMSA	85	Greensboro-Winston-Salem-High Point, N.C. SMSA
2	Abilene, Tex. SMSA	44	Chicago, Ill. SMSA	86	Greenville, S.C. SMSA
3	Akron, Ohio SMSA	45	Cincinnati, Ohio-Ky.-Ind. SMSA	87	Hamilton-Middletown, Ohio SMSA
4	Albany, Ga. SMSA	46	Cleveland, Ohio SMSA	88	Harrisburg, Pa. SMSA
5	Albany-Schenectady-Troy, N.Y. SMSA	47	Colorado Springs, Colo. SMSA	89	Hartford, Conn. SMSA
6	Albuquerque, N. Mex. SMSA	48	Columbia, Mo. SMSA	90	Honolulu, Hawaii SMSA
7	Allentown-Bethlehem-Easton, Pa.-N.J. SMSA	49	Columbia, S.C. SMSA	91	Houston, Tex. SMSA
8	Alltoona, Pa. SMSA	50	Columbus, Ga.-Ala. SMSA	92	Huntington-Ashland, W. Va.-Ky.-Ohio SMSA
9	Amarillo, Tex. SMSA	51	Columbus, Ohio SMSA	93	Huntsville, Ala. SMSA
10	Anaheim-Santa Ana-Garden Grove, Calif. SMSA	52	Corpus Christi, Tex. SMSA	94	Indianapolis, Ind. SMSA
11	Anderson, Ind. SMSA	53	Dallas, Tex. SMSA	95	Jackson, Mich. SMSA
12	Ann Arbor, Mich. SMSA	54	Danbury, Conn. SMSA	96	Jackson, Miss. SMSA
13	Appleton-Oshkosh, Wis. SMSA	55	Davenport-Rock Island-Moline, Iowa-Ill. SMSA	97	Jacksonville, Fla. SMSA
14	Asheville, N.C. SMSA	56	Dayton, Ohio SMSA	98	Jersey City, N.J. SMSA
15	Atlanta, Ga. SMSA	57	Decatur, Ill. SMSA	99	Johnstown, Pa. SMSA
16	Atlantic City, N.J. SMSA	58	Denver, Colo. SMSA	100	Kalamazoo, Mich. SMSA
17	Augusta, Ga.-S.C. SMSA	59	Des Moines, Iowa SMSA	101	Kansas City, Mo.-Kans. SMSA
18	Austin, Tex. SMSA	60	Detroit, Mich. SMSA	102	Kenosha, Wis. SMSA
19	Bakersfield, Calif. SMSA	61	Dubuque, Iowa SMSA	103	Knoxville, Tenn. SMSA
20	Baltimore, Md. SMSA	62	Duluth-Superior, Minn.-Wis. SMSA	104	La Crosse, Wis. SMSA
21	Baton Rouge, La. SMSA	63	Durham, N.C. SMSA	105	Lafayette, La. SMSA
22	Bay City, Mich. SMSA	64	El Paso, Tex. SMSA	106	Lafayette-West Lafayette, Ind. SMSA
23	Beaumont-Port Arthur-Orange, Tex. SMSA	65	Erie, Pa. SMSA	107	Lake Charles, La. SMSA
24	Billings, Mont. SMSA	66	Eugene, Oreg. SMSA	108	Lancaster, Pa. SMSA
25	Biloxi-Gulfport, Miss. SMSA	67	Evansville, Ind.-Ky. SMSA	109	Lansing, Mich. SMSA
26	Binghamton, N.Y.-Pa. SMSA	68	Fall River, Mass.-R.I. SMSA	110	Laredo, Tex. SMSA
27	Birmingham, Ala. SMSA	69	Fargo-Moorhead, N. Dak.-Minn. SMSA	111	Las Vegas, Nev. SMSA
28	Bloomington-Normal, Ill. SMSA	70	Fayetteville, N.C. SMSA	112	Lawrence-Haverhill, Mass.-N.H. SMSA
29	Boise City, Idaho SMSA	71	Fitchburg-Leominster, Mass. SMSA	113	Lawton, Okla. SMSA
30	Boston, Mass. SMSA	72	Flint, Mich. SMSA	114	Lewiston-Auburn, Maine SMSA
31	Bridgeport, Conn. SMSA	73	Fort Lauderdale-Hollywood, Fla. SMSA	115	Lexington, Ky. SMSA
32	Bristol, Conn. SMSA	74	Fort Smith, Ark.-Okla. SMSA	116	Lima, Ohio SMSA
33	Brockton, Mass. SMSA	75	Fort Wayne, Ind. SMSA	117	Lincoln, Nebr. SMSA
34	Brownsville-Harlingen-San Benito, Tex. SMSA	76	Fort Worth, Tex. SMSA	118	Little Rock-North Little Rock, Ark. SMSA
35	Bryan-College Station, Tex. SMSA	77	Fresno, Calif. SMSA	119	Lorain-Elyria, Ohio SMSA
36	Buffalo, N.Y. SMSA	78	Gadsden, Ala. SMSA	120	Los Angeles-Long Beach, Calif. SMSA
37	Canton, Ohio SMSA	79	Gainesville, Fla. SMSA	121	Louisville, Ky.-Ind. SMSA
38	Cedar Rapids, Iowa SMSA	80	Galveston-Texas City, Tex. SMSA	122	Lowell, Mass. SMSA
39	Champaign-Urbana, Ill. SMSA	81	Gary-Hammond-East Chicago, Ind. SMSA	123	Lubbock, Tex. SMSA
40	Charleston, S.C. SMSA	82	Grand Rapids, Mich. SMSA	124	Lynchburg, Va. SMSA
41	Charleston, W. Va. SMSA	83	Great Falls, Mont. SMSA	125	Macon, Ga. SMSA
42	Charlotte, N.C. SMSA	84	Green Bay, Wis. SMSA	126	Madison, Wis. SMSA

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

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

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

Subject	Value	Gross rent	Income in 1969	Plumbing facilities by persons per room	Number of rooms	Units in structure	Household composition by age of head	Size of household (persons)	Duration of vacancy	Sales price asked and rent asked
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†	—	—

¹ Vacant units tabulated by plumbing facilities only.

INTRODUCTION

APPENDIXES

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

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Organization of the text	V
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Sample size	V
Derived figures (medians, etc.)	VI
Symbols	VI
Boundaries	VI
DATA COLLECTION PROCEDURES	VI
PROCESSING PROCEDURES	VII

GENERAL

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

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

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

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

changes were introduced in 1970 to improve the usefulness of the census results. For most of the characteristics shown in this report, the changes do not, however, affect to any appreciable extent the comparability of the 1970 data with those for 1960; further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in later reports of the 1970 census.

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

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

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

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

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

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

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

Medians for rooms and persons are rounded to the nearest tenth, for value to the nearest hundred dollars, and for rent to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category "3 rooms" is treated as an interval ranging from 2.5 up to 3.5 rooms. In computing median rent, units reported as "no cash rent" are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. When the median falls in the lower terminal category of an open-end distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category "Less than \$5,000," it is shown as "\$5,000—." When the median falls in the upper terminal category of an open-end distribution, the method of presentation is to show the initial value of the

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

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

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

DATA COLLECTION PROCEDURES

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

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

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

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

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

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

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

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

**Providence-Pawtucket-
Warwick, R.I.-Mass.**
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 172.]

page

MAP

Counties, Standard Metropolitan
Statistical Areas, and Selected Places **XI**

INDEX OF TABLES

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

Area	Prefix letter	Tables 1-10	Tables 11-18	Tables 19-26
		<i>Pages</i>	<i>Pages</i>	<i>Pages</i>
Total SMSA	A	1 to 9	—	—
Cranston city	B	10 to 18	—	—
Pawtucket city	C	19 to 27	—	—
Providence city	D	28 to 36	—	—
Warwick city	E	37 to 45	—	—

LIST OF TABLES

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

TABLE

1	Value of Owner Occupied Housing Units: 1970
2	Gross Rent of Renter Occupied Housing Units: 1970
3	Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units: 1970
4	Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units: 1970
5	Rooms in Owner and Renter Occupied Housing Units: 1970
6	Units in Structure for Owner and Renter Occupied Housing Units: 1970
7	Household Composition for Owner and Renter Occupied Housing Units: 1970
8	Persons in Owner and Renter Occupied Housing Units: 1970
9	Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970
10	Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970
11	Value of Owner Occupied Housing Units With Negro Head of Household: 1970
12	Gross Rent of Renter Occupied Housing Units With Negro Head of Household: 1970
13	Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
14	Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970

TABLE

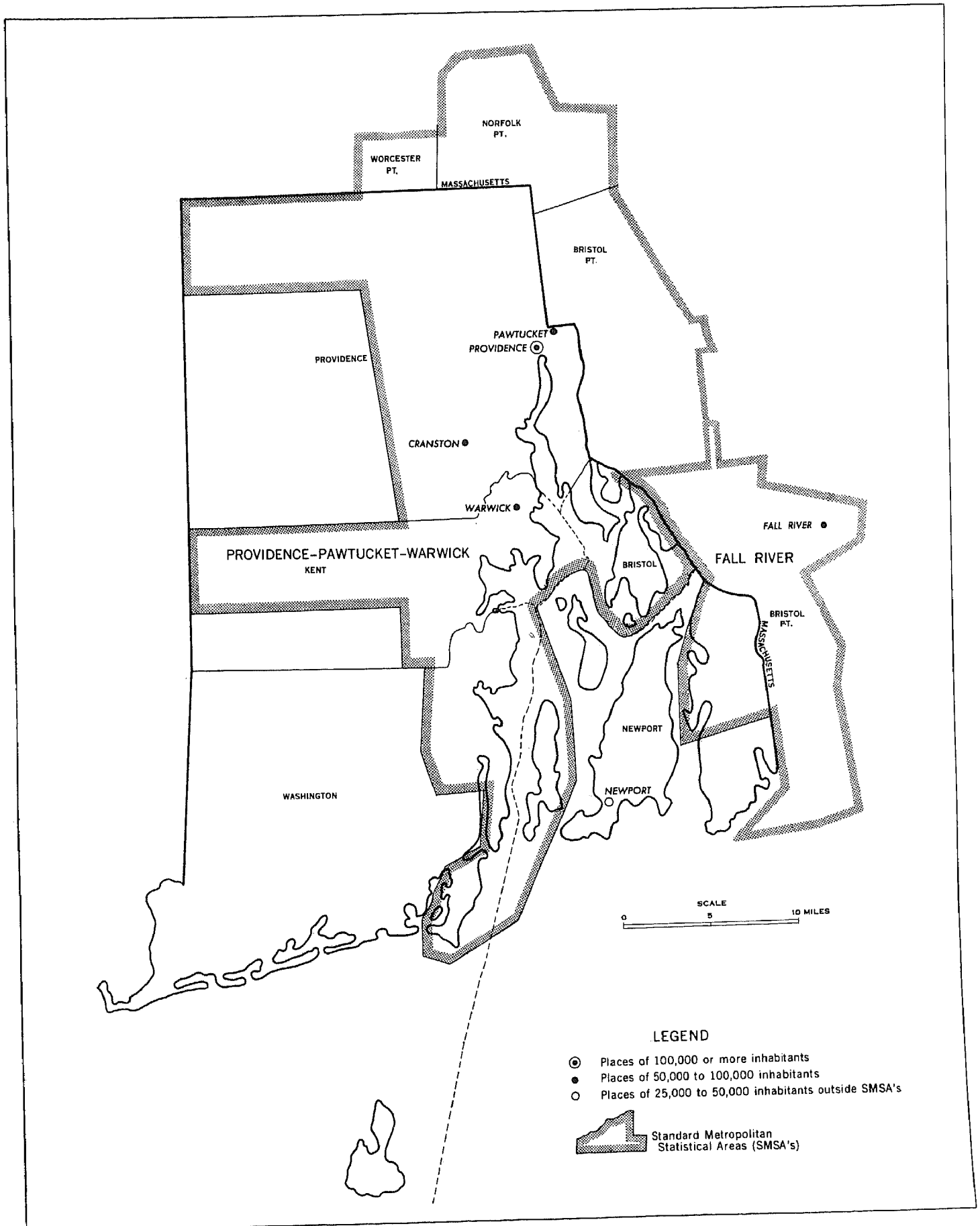
15	Rooms in Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
16	Units in Structure for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
17	Household Composition for Owner and Renter Occupied Housing Units With Negro Head of Household: 1970
18	Persons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

DESCRIPTION OF SMSA

The Providence-Pawtucket-Warwick, R.I.-Mass. Standard Metropolitan Statistical Area comprises the following:

Bristol County, Mass. (part)	Newport County, R.I. (part)
Attleboro city	Jamestown town
North Attleborough town	
Rehoboth town	Providence County, R.I. (part)
Seekonk town	Burrillville town
	Central Falls city
Norfolk County, Mass. (part)	Cranston city
Bellingham town	Cumberland town
Franklin town	East Providence city
Plainville town	Johnston town
Wrentham town	Lincoln town
	North Providence town
Worcester County, Mass. (part)	North Smithfield town
Blackstone town	Pawtucket city
Millville town	Providence city
	Smithfield town
Bristol County, R.I. (part)	Woonsocket city
Barrington town	
Bristol town	Washington County, R.I. (part)
Warren town	Narragansett town
	North Kingstown town
Kent County, R.I. (part)	
Coventry town	
East Greenwich town	
Warwick city	
West Warwick town	

Counties, Standard Metropolitan Statistical Areas, and Selected Places



NOTE

The data shown in the tables do not reflect corrections in the housing unit counts for certain areas in this SMSA; see "Correction Note" (page 6) in the 1970 Housing Census HC(1)-A reports.

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	116 184	8 037	7 849	11 238	12 593	26 111	18 960	14 974	8 374	2 242	338	5 468	91
ROOMS													
1 room	2 961	1 190	442	513	236	209	101	126	88	-	6	50	56
2 rooms	5 676	1 201	737	1 051	627	882	386	382	265	30	-	115	68
3 rooms	19 301	2 447	1 927	2 371	2 170	3 948	2 385	2 192	1 193	141	47	480	82
4 rooms	35 873	2 014	2 610	3 858	4 465	8 484	5 313	4 364	2 778	595	37	1 355	89
5 rooms	32 879	913	1 575	2 604	3 755	8 898	6 822	4 362	1 886	400	81	1 583	95
6 rooms	14 191	199	438	721	1 122	3 057	3 178	2 676	1 347	518	44	891	107
7 rooms	2 994	45	63	102	161	417	488	547	472	231	30	438	120
8 rooms or more	2 309	28	57	18	57	216	287	325	345	327	93	556	140
Median	4.3	3.2	3.8	3.9	4.2	4.4	4.7	4.6	4.5	5.4	5.5	5.0	...
PERSONS													
1 person	33 690	5 491	3 847	4 981	4 014	6 043	3 263	2 690	1 572	281	45	1 463	74
2 persons	34 778	1 633	2 067	3 255	4 053	8 253	5 896	4 646	2 967	575	79	1 354	93
3 persons	19 742	395	848	1 437	2 125	4 896	4 047	3 018	1 493	390	69	1 024	99
4 persons	13 418	242	521	805	1 227	3 519	2 709	2 010	1 104	437	93	751	100
5 persons	7 346	131	275	368	593	1 795	1 214	651	299	31	31	432	104
6 persons or more	7 210	145	291	392	581	1 605	1 488	1 396	587	260	21	444	105
Median	2.2	1.2	1.5	1.7	2.1	2.3	2.6	2.6	2.4	3.2	3.2	2.4	...
Units with roomers, boarders, or lodgers	1 544	44	54	72	146	330	219	256	265	73	17	68	108
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	111 233	6 624	7 020	10 275	12 097	25 526	18 710	14 898	8 303	2 225	329	5 226	93
0.50 or less	59 498	4 600	4 387	6 530	6 993	12 920	8 792	6 854	4 257	1 083	208	2 874	88
0.51 to 1.00	44 807	1 848	2 285	3 239	4 342	10 851	8 512	6 949	3 594	1 032	110	2 045	98
1.01 to 1.50	5 912	124	298	406	434	1 537	1 187	978	385	95	11	257	98
1.51 or more	1 016	52	80	100	128	218	117	117	67	15	-	50	92
Lacking some or all plumbing facilities	4 951	1 413	829	963	494	585	250	76	71	17	9	242	61
0.50 or less	2 676	702	523	501	248	314	125	48	44	6	-	160	61
0.51 to 1.00	2 035	680	274	436	227	234	83	12	22	11	4	52	61
1.01 to 1.50	112	5	10	10	15	26	26	5	5	-	-	10	85
1.51 or more	128	26	22	16	6	11	16	11	-	-	-	20	64
BEDROOMS													
None	3 418	1 255	436	650	371	219	120	167	123	-	-	77	60
1	30 217	3 576	2 908	3 957	3 611	5 968	4 034	2 980	1 919	296	64	904	82
2	50 721	2 704	2 952	4 875	5 729	12 793	8 400	6 378	3 526	881	117	2 366	92
3 or more	31 618	835	1 206	2 039	3 285	6 937	6 029	5 089	2 340	1 446	180	2 232	101
YEAR STRUCTURE BUILT													
1969 to March 1970	2 404	343	288	194	72	96	99	223	751	235	7	96	128
1965 to 1968	6 714	1 331	317	226	101	205	487	1 436	1 774	395	60	380	130
1960 to 1964	3 980	551	325	149	102	222	370	942	732	312	49	226	125
1950 to 1959	7 204	770	721	458	414	1 138	981	1 029	756	295	36	406	96
1940 to 1949	9 796	554	616	710	857	2 265	1 727	1 482	749	193	27	616	96
1939 or earlier	86 086	4 488	5 582	9 501	11 047	22 185	15 296	9 862	3 610	812	159	3 544	89
ELEVATOR IN STRUCTURE													
4 floors or more	4 798	1 867	728	425	247	613	177	128	316	139	64	74	57
With elevator	3 277	1 674	519	210	115	233	-	24	269	118	64	51	50
Walk-up	1 521	193	209	215	152	380	177	104	47	21	-	23	79
1 to 3 floors	111 176	6 503	6 774	11 096	12 729	25 304	18 406	14 486	7 592	2 484	297	5 505	92
COMPLETE BATHROOMS													
1 and 1/2	106 849	6 304	6 668	9 878	11 560	24 963	18 203	14 459	8 151	1 758	191	4 714	93
2 or more	2 138	46	67	74	52	174	283	247	224	346	129	496	135
None or also used by another household	7 215	1 579	1 174	1 309	862	1 111	531	209	133	14	12	281	65
INCOME IN 1969													
Less than \$2,000	21 129	4 071	2 780	2 690	2 393	3 537	1 988	1 449	789	195	35	1 202	72
\$2,000 to \$2,999	9 431	1 245	1 020	1 174	1 188	1 980	1 257	864	307	40	14	342	79
\$3,000 to \$3,999	8 812	622	784	1 211	1 123	1 881	1 305	981	441	87	9	366	85
\$4,000 to \$4,999	8 394	403	673	994	1 026	1 975	1 399	926	517	68	14	399	88
\$5,000 to \$5,999	9 198	451	523	976	1 094	2 277	1 535	1 220	586	101	5	420	91
\$6,000 to \$6,999	8 731	230	356	788	1 119	2 146	1 826	1 184	581	92	10	399	95
\$7,000 to \$9,999	24 199	578	928	1 805	2 367	6 332	5 083	3 752	1 891	381	38	1 044	99
\$10,000 to \$14,999	19 436	323	648	1 243	1 783	4 767	3 509	3 448	2 167	633	73	842	103
\$15,000 to \$24,999	5 759	75	120	288	434	1 075	917	1 020	906	489	77	358	115
\$25,000 or more	1 095	39	15	69	66	141	141	130	189	156	63	86	128
Median	\$6 100	\$2 000	\$3 200	\$4 500	\$5 500	\$6 700	\$7 100	\$7 700	\$8 500	\$11 200	\$13 000	\$6 000	...
YEAR MOVED INTO UNIT													
1969 to March 1970	32 862	1 384	1 468	2 108	2 429	6 253	6 027	6 190	4 472	1 237	181	1 113	107
1968	15 558	991	783	1 178	1 476	3 483	2 715	2 590	1 437	398	53	454	98
1967	10 548	796	620	891	986	2 558	2 156	1 375	731	136	17	282	94
1965 and 1966	14 614	1 233	1 088	1 497	1 611	3 563	2 623	1 663	755	105	7	469	89
1960 to 1964	16 973	1 429	1 336	2 139	2 192	4 247	2 737	1 656	525	112	24	576	85
1950 to 1959	15 243	1 111	1 462	1 911	2 123	3 998	1 915	954	382	76	34	1 277	82
1949 or earlier	10 404	985	1 152	1 537	1 657	2 146	844	487	206	54	16	1 320	75
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	14 967	1 566	1 647	2 498	2 593	3 934	1 507	754	326	116	26	...	77
10 to 14 percent	23 068	805	1 133	2 256	2 928	7 363	4 555	2 765	1 056	187	20	...	91
15 to 19 percent	18 333	784	881	1 410	1 734	4 122	4 036	3 366	1 585	364	51	...	101
20 to 24 percent	12 036	788	687	984	939	2 487	2 368	1 959	1 372	429	21	...	101
25 to 34 percent	13 416	1 462	809	1 035	1 230	2 361	2 252	2 245	1 488	467	67	...	98
35 percent or more	26 354	2 352	2 413	2 729	2 868	5 306	3 872	3 698	2 396	588	132	...	90
Not computed	8 010	280	279	324	301	538	370	187	151	91	21	5 468	82
AIR CONDITIONING													
Room unit(s)	12 617	260	362	640	965	2 177	1 717	2 381	2 586	696	79	754	118
Central system	926	62	15	21	11	6	57	163	361	152	20	58	164
None	102 659	7 607	7 532	10 600	11 498	24 065	17 243	12 371	5 561	1 270	233	4 679	89

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)
ROOMS												
1 and 2 rooms	562	166	50	64	27	30	9	93	73	40	10	4 000
3 rooms	3 006	753	403	293	202	204	201	429	359	144	18	4 300
4 rooms	22 717	2 550	1 511	1 456	1 482	1 674	1 605	4 987	5 374	1 784	294	7 600
5 rooms	51 332	3 143	1 767	1 807	1 988	2 466	2 906	12 138	16 978	7 229	910	9 900
6 rooms	47 008	2 237	1 277	1 202	1 475	1 720	2 057	9 595	16 377	9 377	1 691	11 200
7 rooms or more	43 457	1 789	945	1 008	924	1 115	1 478	6 234	12 901	11 522	5 541	13 200
PERSONS												
1 person	17 407	6 281	2 297	1 949	1 601	1 163	933	1 554	1 067	384	178	3 100
2 persons	47 239	2 843	2 789	2 777	3 114	3 143	3 434	9 940	11 820	5 351	2 028	8 700
3 and 4 persons	60 583	987	629	790	992	1 939	2 577	13 065	22 470	13 680	3 454	12 100
5 persons	21 046	276	126	151	216	467	587	4 516	8 218	5 223	1 266	12 500
6 persons or more	21 807	251	112	163	175	497	725	4 401	8 487	5 458	1 538	12 700
Units with roomers, boarders, or lodgers	1 411	164	49	114	56	82	114	327	328	134	43	8 200
BEDROOMS												
Less than 3	59 481	6 368	3 567	3 634	3 170	3 563	4 009	12 081	15 768	6 152	1 169	8 300
3	78 041	3 074	1 733	1 726	1 811	2 664	3 359	15 849	28 732	15 596	3 457	11 500
4 or more	29 688	1 113	392	702	710	866	1 071	4 489	8 838	7 825	3 682	13 100
YEAR STRUCTURE BUILT												
1969 to March 1970	2 786	48	69	40	39	83	107	662	1 049	584	105	11 600
1960 to 1968	33 032	879	448	478	502	1 055	1 328	6 779	12 381	7 269	1 913	12 000
1950 to 1959	38 451	1 267	868	956	1 148	1 556	1 550	7 483	13 283	8 246	2 094	11 700
1949 or earlier	93 813	8 444	4 568	4 356	4 409	4 515	5 271	18 552	25 349	13 997	4 352	9 500
YEAR MOVED INTO UNIT												
1969 to March 1970	12 388	428	215	241	313	481	653	2 863	4 409	2 230	555	11 100
1968	11 320	396	203	201	246	445	523	2 849	3 785	2 137	534	11 100
1960 to 1967	58 811	2 056	1 127	1 159	1 339	2 122	2 667	12 956	21 164	11 064	3 157	11 400
1959 or earlier	85 548	7 693	4 507	4 214	4 275	4 152	4 369	15 105	22 288	14 625	4 320	9 700
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	128 746	5 149	2 872	3 495	3 221	4 661	5 995	25 357	44 843	25 764	7 389	11 500
Clothes dryer	82 866	2 444	1 044	1 287	1 209	2 188	2 946	15 255	30 366	19 657	6 470	12 500
Dishwasher	36 203	803	334	374	503	842	930	4 542	11 470	10 860	5 545	14 300
Home food freezer	23 691	759	377	305	211	578	976	4 240	7 533	5 907	2 805	12 900
Owned second home	11 277	519	178	308	263	469	296	1 246	3 651	2 708	1 639	13 200
With air conditioning	30 856	1 093	542	594	811	881	955	5 368	9 741	7 409	3 462	12 700
Room unit(s)	28 863	1 013	511	568	770	822	884	5 134	9 349	6 886	2 924	12 500
Central system	1 993	80	31	26	41	59	71	234	392	523	536	16 200
Automobiles available:												
1	75 987	4 647	3 414	3 647	4 204	4 854	5 483	19 832	21 750	6 615	1 541	8 800
2	66 673	934	567	678	837	1 496	1 971	11 688	25 934	17 670	4 898	12 900
3 or more	12 687	83	86	79	75	108	169	1 187	3 266	5 565	2 069	17 300
Renter occupied housing units												
ROOMS												
1 room	3 005	1 267	417	220	227	241	185	245	83	86	34	2 600
2 rooms	5 691	2 015	861	564	417	466	329	623	270	125	21	3 000
3 rooms	19 356	5 530	2 205	1 891	1 688	1 451	1 299	2 951	1 834	348	159	4 000
4 rooms	35 972	6 472	2 803	2 727	2 766	3 105	2 807	7 752	5 854	1 385	301	6 000
5 rooms	33 014	4 239	2 157	2 336	2 202	2 623	2 790	7 980	6 597	1 872	218	7 100
6 rooms or more	19 906	1 725	1 029	1 128	1 139	1 402	1 388	4 804	4 909	2 011	371	8 300
PERSONS												
1 person	33 898	14 346	4 127	3 530	2 844	2 652	1 783	2 893	1 196	371	156	2 600
2 persons	34 886	3 725	3 120	2 794	2 801	2 815	2 909	8 116	6 827	1 465	314	6 800
3 and 4 persons	33 382	2 337	1 686	1 680	1 914	2 655	2 881	9 313	7 954	2 575	387	8 100
5 persons	7 414	435	283	368	350	490	650	2 143	1 890	722	83	8 100
6 persons or more	7 364	405	256	494	530	676	575	1 890	1 680	694	164	8 200
Units with roomers, boarders, or lodgers	1 553	455	152	206	149	120	108	213	103	35	12	3 800
BEDROOMS												
None	3 493	1 326	517	372	289	336	109	293	80	143	28	2 800
1	30 325	8 291	3 583	2 901	2 618	1 980	1 828	4 973	3 165	895	91	4 100
2	50 897	7 914	4 345	3 491	3 675	3 928	4 076	12 066	8 721	2 193	488	6 500
3 or more	32 160	3 086	1 714	2 008	1 807	2 736	2 049	8 075	7 500	2 813	372	8 000
YEAR STRUCTURE BUILT												
1969 to March 1970	2 404	636	255	182	156	109	133	341	367	162	63	4 800
1960 to 1968	10 785	2 464	1 089	631	578	623	656	1 817	1 899	845	183	6 000
1950 to 1959	7 267	1 576	666	481	501	543	521	1 381	1 161	354	83	5 800
1949 or earlier	96 488	16 572	7 462	7 572	7 204	8 013	7 488	20 816	16 120	4 466	775	6 200
YEAR MOVED INTO UNIT												
1969 to March 1970	33 081	6 054	2 660	2 739	2 427	3 097	2 814	6 660	4 982	1 314	334	5 900
1968	15 678	2 247	1 285	1 126	1 047	1 099	1 476	3 711	2 736	806	145	6 700
1960 to 1967	42 313	7 824	3 280	3 160	3 128	3 322	3 146	8 683	7 464	1 896	410	6 100
1959 or earlier	25 866	5 210	2 038	1 847	1 957	1 852	1 586	4 990	4 466	1 633	287	6 000
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied												
Less than 15 percent	116 184	21 129	9 431	8 812	8 394	9 198	8 731	24 199	19 436	5 759	1 095	6 100
15 to 19 percent	38 035	5	58	209	593	1 555	2 307	12 405	14 957	4 954	992	10 600
20 to 24 percent	18 333	23	352	920	1 757	2 477	2 846	6 965	2 615	361	17	7 300
25 to 34 percent	12 036	211	876	1 573	1 908	2 284	1 832	2 534	754	64	-	5 600
35 percent or more	13 416	1 316	2 201	2 898	2 567	1 867	1 188	1 117	240	22	-	4 100
Not computed	26 354	15 830	5 602	2 846	1 170	585	159	134	28	-	-	2000-
	8 010	3 744	342	366	399	430	399	1 044	842	358	86	2 800
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	45 426	4 779	2 708	2 581	2 598	3 283	3 332	12 069	10 021	3 589	466	7 900
Clothes dryer	18 674	2 101	655	564	1 054	1 057	1 278	4 835	4 627	2 157	346	8 600
Dishwasher	5 016	470	211	117	190	248	234	989	1 261	1 040	256	10 200
Home food freezer	4 326	441	365	126	173	374	362	1 199	751	466	69	7 800
Owned second home	13 608	205	193	-	88	161	217	518	742	306	143	9 400
With air conditioning	2 573	1 622	527	695	808	894	1 077	3 446	3 299	1 327	373	8 400
Room unit(s)	12 674	994	484	647	765	831	1 015	3 302	3 108	1 228	300	8 500
Central system	934	168	43	48	63	62	144	191	99	99	73	7 800
Automobiles available:												
1	63 433	6 384	3 938	4 425	5 320	6 221	6 373	16 642	11 106	2 408	616	6 900
2	18 551	732	411	511	604	898	1 042	4 858	6 736	2 390	369	10 200
3 or more	2 130	245	34	105	47	61	65	274	642	553	104	11 800

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

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

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

The SMSA	With all plumbing facilities					Lacking some or all plumbing facilities					
	Total	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	168 082	165 843	82 074	73 707	9 035	1 027	2 239	1 538	564	104	33
PERSONS											
1 person	17 407	16 578	16 537	41	-	-	829	796	33	-	-
2 persons	47 239	46 442	45 204	1 222	-	-	797	675	112	-	10
3 persons	30 401	30 200	15 539	14 592	54	16	201	55	142	4	-
4 persons	30 182	30 029	3 557	26 354	101	17	153	5	143	5	-
5 persons	21 046	20 940	1 237	18 823	805	75	106	7	84	10	5
6 persons or more	21 807	21 654	-	12 675	8 075	904	153	-	50	85	18
Median	3.1	3.2	2.0	4.3	6.7	7.5+	1.9	1.5	3.5	6.4	...
Units with roomers, boarders, or lodgers	1 411	1 387	479	768	95	45	24	9	15	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	2 681	2 681	1 077	1 529	75	-	-	-	-	-	-
1965 to 1968	14 465	14 402	5 051	8 520	754	77	63	14	37	6	6
1960 to 1964	18 390	18 324	6 047	10 627	1 529	121	66	15	42	9	-
1950 to 1959	38 219	38 068	16 868	18 660	2 301	239	151	63	65	14	9
1940 to 1949	18 007	17 779	9 169	7 606	892	112	228	166	38	24	-
1939 or earlier	76 305	74 650	43 730	26 758	3 635	527	1 655	1 238	365	37	15
INCOME IN 1969											
Less than \$2,000	10 638	9 970	8 736	1 087	113	34	668	609	59	-	-
\$2,000 to \$2,999	5 953	5 672	4 918	687	67	-	281	228	53	-	-
\$3,000 to \$3,999	5 830	5 605	4 696	828	72	9	225	189	32	4	-
\$4,000 to \$4,999	6 098	5 977	4 901	939	110	27	121	89	25	7	-
\$5,000 to \$5,999	7 209	7 060	4 606	2 130	292	32	149	75	66	8	-
\$6,000 to \$6,999	8 256	8 142	4 930	2 820	365	27	114	58	42	14	-
\$7,000 to \$7,999	33 476	33 177	14 329	16 276	2 330	242	299	154	115	21	9
\$10,000 to \$14,999	52 062	51 849	19 303	28 511	3 672	363	213	90	76	35	12
\$15,000 to \$24,999	30 096	29 936	11 049	16 834	1 810	243	160	46	91	11	12
\$25,000 or more	8 464	8 455	4 606	3 595	204	50	9	-	5	4	-
Median	\$10 600	\$10 700	\$8 700	\$12 100	\$11 600	\$12 000	\$3 800	\$2 700	\$7 100	\$9 700	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	131 145	129 798	61 256	60 736	7 066	740	1 347	887	346	85	29
Less than 1.5	48 594	48 079	19 084	25 299	3 245	451	515	240	200	51	24
1.5 to 1.9	29 323	29 175	11 361	15 794	1 892	128	148	71	56	16	5
2.0 to 2.4	18 337	18 234	8 071	9 126	973	64	103	60	38	5	-
2.5 to 2.9	10 151	10 102	5 093	4 550	419	40	49	49	-	-	-
3.0 to 3.9	9 506	9 386	5 823	3 258	272	33	120	102	12	6	-
4.0 or more	14 186	13 815	10 973	2 573	255	14	371	334	30	7	-
Not computed	1 048	1 007	851	136	10	10	41	31	10	-	-
HEATING EQUIPMENT											
Steam or hot water	117 291	116 510	59 932	50 122	5 850	606	781	482	250	32	17
Warm-air furnace	36 232	35 894	14 840	18 260	2 499	295	338	231	78	24	5
Built-in electric units	3 161	3 154	1 367	1 638	145	4	7	-	7	-	-
Floor, wall, or pipeless furnace	2 407	2 336	1 244	948	134	10	71	48	16	-	7
Other means	8 899	7 896	4 657	2 720	407	112	1 003	754	197	48	4
None	92	53	34	19	-	-	39	23	16	-	-
Renter occupied housing units	116 944	111 919	59 792	45 124	5 963	1 040	5 025	2 716	2 065	116	128
PERSONS											
1 person	33 898	30 708	29 037	1 671	-	-	3 190	2 048	1 142	-	-
2 persons	34 886	33 938	26 378	7 450	-	110	948	628	279	-	41
3 persons	19 850	19 439	3 807	15 519	108	5	411	25	375	-	11
4 persons	13 532	13 324	472	12 490	302	60	208	9	184	15	-
5 persons	7 414	7 276	98	5 881	1 223	74	138	6	76	31	25
6 persons or more	7 364	7 234	-	2 113	4 330	791	130	-	9	70	51
Median	2.2	2.2	1.5	3.4	6.1	7.5	1.3	1.2	1.4	5.9	5.0
Units with roomers, boarders, or lodgers	1 553	1 503	608	741	102	52	50	9	25	-	16
YEAR STRUCTURE BUILT											
1969 to March 1970	2 355	2 327	1 259	1 004	43	21	28	6	22	-	-
1965 to 1968	6 645	6 550	3 560	2 762	203	25	95	46	28	-	21
1960 to 1964	3 998	3 938	2 149	1 658	109	22	60	36	24	-	-
1950 to 1959	7 167	7 009	3 440	3 037	430	102	158	88	49	14	7
1940 to 1949	10 196	9 938	4 809	4 476	578	75	258	157	90	11	-
1939 or earlier	86 577	82 108	44 564	32 287	4 514	743	4 469	2 462	1 839	69	99
INCOME IN 1969											
Less than \$2,000	21 248	19 377	14 796	4 150	387	44	1 871	1 261	580	5	25
\$2,000 to \$2,999	9 472	8 880	5 719	2 840	231	90	592	356	232	-	4
\$3,000 to \$3,999	8 866	8 426	5 307	2 655	392	72	440	270	153	6	11
\$4,000 to \$4,999	8 439	8 038	4 762	2 688	489	99	401	201	185	15	-
\$5,000 to \$5,999	9 288	8 896	4 745	3 490	570	91	392	207	147	11	27
\$6,000 to \$6,999	8 798	8 555	4 071	3 860	521	103	243	109	134	-	-
\$7,000 to \$7,999	24 355	23 766	10 054	11 966	1 535	211	589	193	328	34	34
\$10,000 to \$14,999	19 547	19 202	7 787	9 899	1 321	195	345	97	201	31	16
\$15,000 to \$24,999	5 827	5 704	2 075	3 098	447	84	123	22	76	14	11
\$25,000 or more	1 104	1 075	476	307	70	51	29	-	29	-	-
Median	\$6 100	\$6 300	\$4 900	\$7 700	\$7 800	\$7 300	\$3 100	\$2 300	\$4 400	\$8 900	\$5 900
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	116 184	111 233	59 498	44 807	5 912	1 016	4 951	2 676	2 035	112	128
Less than 10 percent	14 967	14 157	5 447	7 354	1 117	239	810	234	487	40	49
10 to 14 percent	23 068	22 418	9 754	10 995	1 477	192	650	257	361	16	16
15 to 19 percent	18 333	17 865	8 744	7 870	1 052	199	468	247	185	20	16
20 to 24 percent	12 036	11 640	6 371	4 626	568	75	396	231	165	-	-
25 to 34 percent	13 416	12 827	7 432	4 654	626	115	589	336	228	15	10
35 percent or more	26 354	24 572	17 234	6 627	751	140	1 602	1 077	502	11	12
Not computed	8 010	7 574	4 516	2 681	321	56	436	294	107	10	25
HEATING EQUIPMENT											
Steam or hot water	62 316	60 025	33 359	23 632	2 506	528	2 291	1 017	1 185	30	59
Warm-air furnace	12 810	12 520	5 892	5 694	825	109	290	89	181	11	9
Built-in electric units	4 159	4 104	2 427	1 561	82	34	55	36	19	-	-
Floor, wall, or pipeless furnace	1 741	1 677	809	730	116	22	64	30	34	-	-
Other means	35 481	33 231	17 073	13 401	2 410	347	2 250	1 504	617	75	54
None	437	362	232	106	24	-	75	40	29	-	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 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	168 082	154	408	3 006	22 717	51 332	47 008	22 500	20 957	5.6
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	164 900	117	322	2 723	21 889	50 335	46 601	22 333	20 580	5.7
PERSONS										
1 person	17 407	74	245	1 333	4 249	5 055	3 715	1 450	1 286	5.1
2 persons	47 239	26	90	1 244	10 913	15 753	11 169	4 397	3 647	5.2
3 persons	30 401	15	58	238	4 205	10 291	8 723	3 883	2 988	5.5
4 persons	30 182	17	—	106	2 131	10 148	9 566	4 652	3 562	5.8
5 persons	21 046	5	5	70	815	5 827	7 018	3 763	3 543	6.0
6 persons or more	21 807	17	10	15	404	4 258	6 817	4 355	5 931	6.4
Median	3.1	1.6	1.3	1.6	2.2	3.0	3.5	3.8	4.2	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	165 843	111	313	2 691	22 171	50 781	46 632	22 327	20 817	5.6
0.50 or less	82 074	—	173	1 145	14 753	20 449	23 314	9 614	12 626	5.7
0.51 to 1.00	73 707	41	71	1 365	6 225	26 124	20 461	11 772	7 648	5.6
1.01 to 1.50	9 035	—	54	101	1 070	3 808	2 641	861	500	5.4
1.51 or more	1 027	70	15	80	123	400	216	80	43	5.1
Lacking some or all plumbing facilities	2 239	43	95	315	546	551	376	173	140	4.7
0.50 or less	1 538	—	72	188	409	359	293	116	101	4.8
0.51 to 1.00	564	33	19	117	111	142	55	52	35	4.5
1.01 to 1.50	104	—	4	5	15	50	21	5	4	5.1
1.51 or more	33	10	—	5	11	—	7	—	—	...
BEDROOMS										
None and 1	9 541	118	456	2 145	4 508	1 679	358	200	77	4.0
2	49 940	—	—	670	17 277	22 489	7 683	1 375	446	4.8
3	78 041	—	—	—	830	26 845	33 224	12 786	4 356	5.8
4 or more	29 688	—	—	—	—	307	4 989	7 747	16 645	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	2 786	4	5	47	271	997	583	398	481	5.6
1960 to 1968	33 032	21	60	302	3 017	12 843	8 393	4 589	3 807	5.5
1950 to 1959	38 451	30	63	541	6 512	13 676	11 360	4 194	2 075	5.4
1949 or earlier	93 813	99	280	2 116	12 917	23 816	26 672	13 319	14 594	5.8
COMPLETE BATHROOMS										
1 and 1 1/2	143 654	110	304	2 505	20 926	47 962	42 203	17 743	11 901	5.5
2 or more	21 429	13	18	218	1 025	2 433	4 443	4 595	8 684	7.1
None or also used by another household	2 984	38	85	372	695	835	479	233	247	4.9
VALUE-INCOME RATIO										
Specified owner occupied¹	131 145	87	202	1 450	13 975	37 827	39 178	20 171	18 255	5.8
Less than 1.5	48 594	46	61	493	5 278	13 183	14 794	7 501	7 238	5.9
1.5 to 1.9	29 323	5	20	201	2 673	9 505	9 232	4 265	3 422	5.7
2.0 to 2.9	28 488	10	32	224	2 549	8 413	8 453	4 682	4 125	5.9
3.0 or more	23 692	22	59	501	3 331	6 463	6 405	3 570	3 341	5.7
Not computed	1 048	4	30	31	144	263	294	153	129	5.7
Renter occupied housing units	116 944	3 005	5 691	19 356	35 972	33 014	14 340	3 099	2 467	4.3
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	108 554	1 399	4 772	17 900	33 421	31 956	13 895	2 899	2 312	4.4
PERSONS										
1 person	33 898	2 813	4 439	10 878	9 025	4 777	1 415	334	217	3.4
2 persons	34 886	151	1 058	6 671	13 569	9 496	3 139	478	324	4.2
3 persons	19 850	16	108	1 317	7 513	7 064	2 956	508	368	4.6
4 persons	13 532	9	51	317	3 860	5 392	2 792	630	481	5.0
5 persons	7 414	10	79	79	1 254	3 477	1 832	495	257	5.2
6 persons or more	7 364	6	25	94	751	2 808	2 206	654	820	5.5
Median	2.2	1.0	1.1	1.4	2.2	2.8	3.4	3.9	4.2	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	111 919	1 805	4 902	18 570	34 804	32 239	14 162	3 034	2 403	4.4
0.50 or less	59 792	—	3 769	10 363	21 765	13 771	7 398	1 285	1 441	4.2
0.51 to 1.00	45 124	1 671	949	7 752	11 081	15 722	5 599	1 555	795	4.6
1.01 to 1.50	5 963	—	108	302	1 729	2 444	1 081	144	155	4.8
1.51 or more	1 040	134	76	153	229	302	84	50	12	4.2
Lacking some or all plumbing facilities	5 025	1 200	789	786	1 168	775	178	65	64	3.2
0.50 or less	2 716	—	670	515	829	502	112	35	53	3.7
0.51 to 1.00	2 065	1 142	109	236	292	211	56	14	5	1.4
1.01 to 1.50	116	—	—	15	36	44	10	5	6	4.7
1.51 or more	128	58	10	20	11	18	—	11	—	2.1
BEDROOMS										
None	3 493	2 975	394	124	—	—	—	—	—	1.1
1	30 325	—	5 240	17 359	6 030	1 284	340	48	24	3.1
2	50 897	—	—	1 885	29 045	16 521	2 849	416	181	4.3
3 or more	32 160	—	—	—	1 107	13 846	11 937	2 853	2 417	5.6
YEAR STRUCTURE BUILT										
1969 to March 1970	2 404	157	389	795	813	168	61	16	5	3.3
1960 to 1968	10 785	667	1 227	3 203	3 559	1 326	500	188	115	3.6
1950 to 1959	7 267	129	284	1 400	2 548	1 768	808	201	129	4.2
1949 or earlier	96 488	2 052	3 791	13 958	29 052	29 752	12 971	2 694	2 218	4.5
COMPLETE BATHROOMS										
1 and 1 1/2	107 421	1 678	4 773	18 044	33 434	31 800	13 588	2 646	1 458	4.4
2 or more	2 208	75	44	65	224	332	354	253	861	6.5
None or also used by another household	7 309	1 266	903	1 262	2 076	1 304	322	127	49	3.6
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	116 184	2 961	5 676	19 301	35 873	32 879	14 191	2 994	2 309	4.3
Less than 10 percent	14 967	446	495	1 525	4 527	5 023	2 327	389	235	4.6
10 to 14 percent	23 068	342	683	2 860	7 512	7 495	3 103	655	418	4.5
15 to 19 percent	18 333	225	770	2 724	5 821	5 404	2 583	518	288	4.4
20 to 24 percent	12 036	261	563	2 199	3 813	3 323	1 406	291	180	4.3
25 to 34 percent	13 416	461	848	2 735	3 966	3 421	1 410	267	308	4.2
35 percent or more	26 354	1 069	2 002	6 245	8 073	6 011	2 280	384	290	4.0
Not computed	8 010	157	315	1 013	2 161	2 202	1 082	490	590	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	168 082	135 737	30 972	1 373	116 944	14 527	32 249	39 751	16 013	7 811	6 330	263
ROOMS												
1 room	154	91	55	8	3 005	129	40	231	613	984	1 001	7
2 rooms	408	230	159	19	5 691	303	287	1 105	1 516	1 294	1 108	78
3 rooms	3 006	1 534	1 275	197	19 356	1 291	2 809	5 723	4 669	2 196	2 629	39
4 rooms	22 717	14 401	7 524	792	35 972	2 994	11 544	12 155	5 744	2 226	1 206	103
5 rooms	51 332	38 839	12 191	302	33 014	3 523	11 439	14 171	2 687	862	301	31
6 rooms	47 008	40 169	6 784	55	14 340	3 096	4 824	5 638	531	180	71	-
7 rooms	22 500	20 960	1 540	-	3 099	1 501	867	541	153	18	14	5
8 rooms or more	20 957	19 513	1 444	-	2 467	1 690	439	187	100	51	-	-
Median	5.6	5.8	5.0	4.1	4.3	5.2	4.6	4.5	3.7	3.2	2.9	3.6
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	165 843	134 243	30 266	1 334	111 919	14 048	31 330	38 321	15 083	6 908	5 973	256
0.50 or less	82 074	63 766	17 552	756	59 792	6 449	17 082	19 991	8 495	4 056	3 569	150
0.51 to 1.00	73 707	62 461	10 748	498	45 124	6 412	12 521	15 709	5 562	2 553	2 278	89
1.01 to 1.50	9 035	7 249	1 712	74	5 963	1 008	1 524	2 238	847	254	82	10
1.51 or more	1 027	767	254	6	1 040	179	203	383	179	45	44	7
Lacking some or all plumbing facilities	2 239	1 494	706	39	5 025	479	919	1 430	930	903	357	7
0.50 or less	1 538	1 011	499	28	2 716	290	581	975	478	311	81	-
0.51 to 1.00	564	360	193	11	2 065	149	281	398	415	564	261	7
1.01 to 1.50	104	90	14	-	116	35	36	45	-	-	-	-
1.51 or more	33	33	-	-	128	5	21	22	37	28	15	-
BEDROOMS												
None	178	105	73	-	3 493	143	48	463	740	976	1 123	-
1	9 363	5 923	3 222	218	30 325	2 165	5 156	8 598	6 745	3 872	3 683	106
2	49 940	33 321	15 599	1 020	50 897	4 859	17 421	18 934	5 758	2 461	1 404	60
3	78 041	66 814	11 056	171	27 021	5 409	8 007	10 984	2 057	336	228	-
4 or more	29 688	27 482	2 206	-	5 139	2 433	1 122	939	387	195	63	-
YEAR STRUCTURE BUILT												
1969 to March 1970	2 786	2 563	47	176	2 404	166	166	222	342	666	836	6
1965 to 1968	14 548	13 699	327	522	6 754	729	616	675	903	1 250	2 528	53
1960 to 1964	18 484	17 774	328	382	4 031	960	508	396	461	549	1 054	103
1950 to 1959	38 451	37 191	1 010	250	7 267	2 241	1 524	1 383	892	821	552	54
1940 to 1949	17 773	16 270	1 474	29	9 857	2 122	2 882	2 672	1 168	794	204	15
1939 or earlier	76 040	48 240	27 786	14	86 631	8 309	26 553	34 603	12 247	3 731	1 156	32
INCOME IN 1969												
Less than \$2,000	10 638	6 604	3 898	136	21 248	1 921	4 419	6 592	3 594	2 401	2 266	55
\$2,000 to \$2,999	5 953	3 830	2 084	39	9 472	796	2 250	3 082	1 683	802	831	28
\$3,000 to \$3,999	5 830	3 915	1 860	55	8 866	874	2 208	3 229	1 404	697	448	6
\$4,000 to \$4,999	6 098	4 170	1 829	99	8 439	968	2 158	2 974	1 411	563	354	11
\$5,000 to \$5,999	7 209	5 203	1 849	157	9 288	1 164	2 439	3 309	1 435	558	342	41
\$6,000 to \$6,999	8 256	6 176	1 900	180	8 798	1 113	2 525	3 188	1 140	480	323	29
\$7,000 to \$9,999	33 476	26 785	6 385	306	24 355	3 117	7 738	8 847	2 899	1 069	631	54
\$10,000 to \$14,999	52 062	44 223	7 565	274	19 547	2 998	6 543	6 690	1 816	828	638	34
\$15,000 to \$24,999	30 096	26 676	3 102	118	5 827	1 308	1 723	1 617	504	308	362	5
\$25,000 or more	8 464	7 555	500	9	1 164	268	246	223	127	105	135	-
Median	\$10 600	\$11 300	\$8 000	\$7 200	\$6 100	\$7 400	\$7 000	\$6 200	\$4 900	\$4 000	\$3 200	\$5 800
YEAR MOVED INTO UNIT												
1969 to March 1970	12 388	10 313	1 658	417	33 081	4 783	7 852	10 135	5 091	3 001	2 116	103
1968	11 320	9 684	1 454	182	15 678	1 681	4 284	5 171	2 367	1 001	1 161	13
1967	8 813	7 582	1 103	128	10 610	1 220	2 893	3 805	1 205	656	727	24
1965 and 1966	17 631	15 232	2 128	271	14 675	1 518	4 156	5 016	1 936	944	1 015	90
1960 to 1964	32 367	28 279	3 835	253	17 028	1 897	5 003	6 148	2 027	1 101	803	49
1950 to 1959	44 246	37 775	6 381	90	13 505	1 747	4 198	4 855	1 733	674	285	13
1949 or earlier	41 302	27 231	14 051	20	12 361	1 525	4 031	4 587	1 631	396	191	-
GROSS RENT												
Specified renter occupied ¹	...	...	...	...	116 184	13 767	32 249	39 751	16 013	7 811	6 330	263
Less than \$50	...	...	...	...	8 037	205	900	2 020	1 364	1 443	2 093	12
\$50 to \$59	...	...	...	...	7 849	284	1 453	2 826	1 356	1 149	754	27
\$60 to \$69	...	...	...	...	11 238	559	2 614	4 438	2 438	830	303	56
\$70 to \$79	...	...	...	...	12 593	599	3 579	5 386	2 279	508	224	18
\$80 to \$99	...	...	...	...	26 111	1 762	8 292	11 136	3 674	918	276	53
\$100 to \$119	...	...	...	...	18 960	2 009	6 843	7 318	1 970	574	205	41
\$120 to \$149	...	...	...	...	14 974	2 397	4 979	4 170	1 686	1 039	679	24
\$150 to \$199	...	...	...	...	8 374	2 117	1 976	1 202	730	1 117	1 214	18
\$200 to \$299	...	...	...	...	2 242	1 115	280	131	155	133	428	-
\$300 or more	...	...	...	...	338	188	17	21	10	15	87	-
No cash rent	...	...	...	...	5 468	2 532	1 316	1 103	351	85	67	14
Median	...	...	...	...	\$91	\$122	\$97	\$88	\$82	\$79	\$69	\$85
HEATING EQUIPMENT												
Steam or hot water	117 291	94 541	22 722	28	62 316	7 914	18 489	18 062	8 063	5 594	4 194	-
Warm-air furnace	36 232	32 246	2 832	1 154	12 810	3 425	3 312	3 058	1 105	705	1 039	166
Built-in electric units	3 161	2 930	206	25	4 159	356	574	659	935	774	793	68
Floor, wall, or pipeless furnace	2 407	2 041	343	23	1 741	502	430	393	214	101	96	5
Other means	8 899	3 923	4 833	143	35 481	2 311	9 318	17 373	5 658	599	198	24
None	92	56	36	-	437	19	126	206	38	38	10	-
AIR CONDITIONING												
Room unit(s)	28 863	24 005	4 648	210	12 674	1 686	3 405	2 989	1 552	1 441	1 588	13
Central system	1 993	1 806	121	66	934	129	44	76	151	182	352	-
None	137 211	110 285	25 841	1 085	103 330	12 556	28 968	36 732	14 287	6 150	4 358	279
AUTOMOBILES AVAILABLE												
1	75 987	59 014	16 133	840	63 433	7 818	18 586	22 342	8 515	3 356	2 617	199
2	66 673	58 959	7 326	388	18 551	3 912	6 030	5 718	1 509	777	579	26
3 or more	12 487	11 078	1 366	41	2 130	760	634	531	122	27	20	36
None	12 720	7 045	5 583	92	32 824	1 881	7 167	11 206	5 844	3 613	3 082	31

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	168 082	1 951	21 184	31 199	60 393	17 530	3 831	1 665	8 636	4 286	7 877	9 530
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	165 843	1 940	21 101	31 096	59 899	17 151	3 754	1 615	8 554	4 155	7 616	8 962
0.50 or less	82 074	832	4 498	4 424	29 171	14 232	2 230	1 303	5 267	3 580	7 579	8 958
0.51 to 1.00	73 707	1 037	14 798	21 982	27 901	2 801	1 359	303	2 916	569	37	4
1.01 to 1.50	9 035	71	1 728	4 191	2 499	76	140	4	320	6	—	—
1.51 or more	1 027	—	77	499	328	42	25	5	51	—	—	—
Lacking some or all plumbing facilities	2 239	11	83	103	494	379	77	50	82	131	261	568
0.50 or less	1 538	—	24	16	190	270	52	45	39	106	249	547
0.51 to 1.00	564	11	46	45	248	104	25	—	27	25	12	21
1.01 to 1.50	104	—	13	35	35	—	—	5	16	—	—	—
1.51 or more	33	—	—	7	21	5	—	—	—	—	—	—
UNITS IN STRUCTURE												
1	135 737	1 540	18 494	27 594	50 757	12 420	2 963	1 061	6 811	2 892	5 280	5 925
2 or more	30 972	323	2 500	3 466	9 290	4 960	831	590	1 760	1 383	2 342	3 527
Mobile home or trailer	1 373	88	190	139	346	150	37	14	65	11	255	78
INCOME IN 1969												
Less than \$2,000	10 638	88	169	242	645	1 666	94	153	842	458	1 525	4 756
\$2,000 to \$2,999	5 953	14	65	162	453	1 905	76	80	496	405	625	1 672
\$3,000 to \$3,999	5 830	44	132	155	598	1 894	107	110	524	317	1 089	860
\$4,000 to \$4,999	6 098	74	231	246	975	1 783	78	126	623	361	953	648
\$5,000 to \$5,999	7 209	154	727	635	2 646	1 384	205	124	813	358	759	404
\$6,000 to \$6,999	8 256	179	820	1 037	2 296	1 299	326	174	864	328	671	262
\$7,000 to \$9,999	33 476	658	6 707	6 659	11 286	2 804	895	363	1 862	688	1 152	402
\$10,000 to \$14,999	52 062	671	9 087	13 212	21 712	2 545	1 067	283	1 646	772	818	249
\$15,000 to \$24,999	30 096	64	2 865	6 884	16 135	1 585	782	179	754	464	191	193
\$25,000 or more	8 464	5	381	1 967	4 647	665	201	73	212	135	94	84
Median	\$10 600	\$8 900	\$11 000	\$12 400	\$12 800	\$6 100	\$10 600	\$7 500	\$7 300	\$6 700	\$4 700	\$2 000
VALUE-INCOME RATIO												
Specified owner occupied ¹	131 145	1 519	18 164	26 838	48 784	11 884	2 850	1 000	6 601	2 736	5 102	5 667
Less than 1.5	48 594	264	4 577	10 256	25 081	3 136	1 339	351	1 630	778	846	336
1.5 to 1.9	29 323	570	5 506	7 607	11 148	1 629	510	190	1 026	421	559	257
2.0 to 2.4	18 337	278	3 928	4 333	5 755	1 363	390	112	880	370	607	321
2.5 to 2.9	10 151	162	2 075	2 119	2 748	1 015	217	90	694	167	516	348
3.0 to 3.9	9 506	149	1 352	1 490	2 133	1 614	174	61	822	317	752	642
4.0 or more	14 186	165	707	1 005	1 850	3 004	212	184	1 341	655	1 551	3 512
Not computed	1 048	31	19	28	69	123	8	12	208	28	271	251
Renter occupied housing units	116 944	9 760	16 793	9 396	18 582	8 071	3 577	857	13 525	2 485	18 202	15 696
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	111 919	9 674	16 640	9 169	18 085	7 739	3 451	813	13 285	2 355	16 447	14 261
0.50 or less	59 792	3 387	3 588	1 406	8 218	4 672	1 836	529	5 580	1 539	15 671	13 366
0.51 to 1.00	45 124	6 071	11 156	5 625	8 608	2 947	1 401	269	6 603	773	776	895
1.01 to 1.50	5 963	199	1 674	1 792	1 100	71	144	15	951	17	—	—
1.51 or more	1 040	17	222	346	159	49	70	—	151	26	—	—
Lacking some or all plumbing facilities	5 025	86	153	227	497	332	126	44	240	130	1 755	1 435
0.50 or less	2 716	40	24	21	190	162	51	16	72	92	1 014	1 034
0.51 to 1.00	2 065	30	87	124	263	161	54	28	142	34	741	401
1.01 to 1.50	116	5	32	45	25	—	—	—	5	4	—	—
1.51 or more	128	11	10	37	19	9	21	—	21	—	—	—
UNITS IN STRUCTURE												
1	14 527	1 001	2 675	2 016	2 818	765	644	141	1 733	274	1 431	1 029
2 to 4	72 000	6 797	11 339	6 071	13 063	5 092	2 166	474	8 626	1 663	9 071	7 638
5 to 19	23 824	1 723	2 379	1 187	2 229	1 406	682	171	2 874	396	6 369	4 408
20 or more	6 330	205	384	101	421	778	80	64	261	152	1 282	2 602
Mobile home or trailer	263	34	16	21	51	30	5	7	31	—	49	19
GROSS RENT												
Specified renter occupied ²	116 184	9 718	16 699	9 263	18 443	8 048	3 553	853	13 438	2 479	18 092	15 598
Less than \$50	8 037	126	162	149	441	698	140	53	535	242	1 685	3 806
\$50 to \$59	7 849	207	347	332	972	692	193	59	965	235	1 608	2 239
\$60 to \$69	11 238	594	865	586	1 669	1 009	233	79	959	263	2 673	2 308
\$70 to \$79	12 593	914	1 321	865	2 070	1 141	358	164	1 425	321	2 320	1 694
\$80 to \$89	26 111	2 476	4 099	2 372	4 598	1 702	854	153	3 215	599	3 915	2 128
\$100 to \$119	18 960	2 278	3 560	1 754	3 380	1 165	573	78	2 567	342	2 270	993
\$120 to \$149	14 974	1 942	3 185	1 346	2 463	616	430	105	2 030	167	1 755	935
\$150 to \$199	8 374	764	1 881	823	1 303	498	432	67	924	110	1 098	474
\$200 to \$299	2 242	94	520	351	520	76	140	10	228	22	154	127
\$300 or more	338	13	30	68	88	16	17	—	39	22	5	40
No cash rent	5 468	310	729	617	939	435	183	85	551	156	609	854
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	116 184	9 718	16 699	9 263	18 443	8 048	3 553	853	13 438	2 479	18 092	15 598
Less than \$5,000	47 766	2 392	1 790	1 223	2 115	4 436	1 197	455	8 142	1 314	10 622	14 080
Less than 20 percent	3 917	156	125	128	334	649	56	21	495	121	1 198	634
20 to 24 percent	4 568	237	168	129	264	618	86	44	668	127	1 270	957
25 to 34 percent	8 982	568	421	320	501	1 071	180	65	1 513	316	1 851	2 176
35 percent or more	25 448	1 251	906	524	806	1 760	736	277	4 445	659	5 200	8 884
Not computed	4 851	180	170	122	210	338	139	48	1 021	91	1 103	1 429
\$5,000 to \$9,999	42 128	5 232	9 083	4 142	7 549	2 362	1 539	231	3 997	719	6 099	1 175
Less than 20 percent	28 555	3 554	6 033	2 749	5 710	1 637	1 023	165	2 429	518	4 080	657
20 to 24 percent	6 650	891	1 376	649	976	228	15	753	111	1 123	167	214
25 to 34 percent	4 172	561	1 049	374	480	204	60	54	19	125	8	61
35 percent or more	878	100	189	98	46	100	91	27	135	51	222	76
Not computed	1 873	126	436	272	337	60	549	88	1 078	319	989	198
\$10,000 to \$14,999	19 436	1 932	4 822	2 822	5 844	730	499	78	956	278	908	161
Less than 20 percent	17 572	1 799	4 360	2 481	5 322	28	14	—	58	11	57	22
20 to 24 percent	754	65	238	130	131	11	5	—	5	15	—	10
25 percent or more	268	7	110	49	35	26	36	5	59	15	24	5
Not computed	842	61	114	162	235	46	268	79	221	127	382	145
\$15,000 or more	6 854	162	1 004	1 076	2 935	455	258	68	216	117	364	124
Less than 20 percent	6 324	156	945	934	2 721	421	258	68	—	—	—	—
20 to 24 percent	64	6	13	16	29	—	—	—	—	—	—	—
25 percent or more	22	—	—	6	6	—	—	—	—	—	—	—
Not computed	444	—	46	120	179	34						

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	168 082	17 407	47 239	30 401	30 182	21 046	11 656	6 209	3 942	3.1
BEDROOMS										
None and 1	9 541	3 473	5 505	363	60	76	—	—	—	1.7
2	49 940	7 649	22 943	11 594	5 322	1 648	64	142	82	2.3
3	78 041	4 983	14 949	14 125	20 168	13 979	6 459	2 583	795	3.7
4 or more	29 688	1 359	4 532	3 800	4 086	5 203	4 756	3 498	2 454	4.7
YEAR STRUCTURE BUILT										
1969 to March 1970	2 786	107	678	527	681	453	236	86	18	3.6
1965 to 1968	14 548	468	2 678	2 829	3 933	2 501	1 284	540	315	3.8
1960 to 1964	18 484	784	3 547	3 182	4 536	3 214	1 956	836	429	3.9
1950 to 1959	38 451	2 494	11 109	7 556	7 644	5 082	2 537	1 316	713	3.2
1940 to 1949	17 773	1 717	5 682	3 510	2 925	2 031	1 095	491	322	2.9
1939 or earlier	76 040	11 837	23 545	12 797	10 463	7 765	4 548	2 940	2 145	2.7
UNITS IN STRUCTURE										
1	135 737	11 205	35 962	25 042	25 941	18 495	10 253	5 366	3 473	3.3
2 or more	30 972	5 869	10 745	5 135	4 091	2 490	1 353	826	463	2.4
Mobile home or trailer	1 373	333	532	224	150	61	50	17	6	2.2
COMPLETE BATHROOMS										
1 and 1 1/2	143 654	14 967	41 335	26 619	25 845	17 531	9 391	4 842	3 124	3.1
2 and 2 1/2	18 680	1 161	3 758	3 108	3 744	3 006	1 864	1 164	875	3.9
3 or more	2 749	297	870	353	425	356	180	123	145	3.1
None or also used by another household	2 984	959	1 069	351	222	164	103	89	27	2.0
HOUSEHOLD COMPOSITION										
Two-or-more-person households	150 675	...	47 239	30 401	30 182	21 046	11 656	6 209	3 942	3.4
Male head, wife present, no nonrelatives	132 257	...	37 409	26 232	28 109	19 808	11 121	5 901	3 677	3.6
Under 25 years	1 951	...	546	706	483	114	54	34	14	3.1
25 to 34 years	21 184	...	2 039	3 762	7 080	4 845	2 244	934	280	4.2
35 to 44 years	31 199	...	1 715	3 286	7 900	7 769	5 336	3 066	2 127	4.8
45 to 64 years	60 393	...	19 852	15 450	11 871	6 815	3 361	1 818	1 226	3.2
65 years and over	17 530	...	13 257	3 028	775	265	126	49	30	2.2
Other male head	5 496	...	2 843	1 273	622	384	172	130	72	2.5
Under 65 years	3 031	...	1 759	895	526	304	158	121	68	2.7
65 years and over	1 665	...	1 084	378	96	80	14	9	4	2.3
Female head	12 922	...	6 987	2 896	1 451	854	363	178	193	2.4
Under 65 years	8 636	...	3 906	2 114	1 174	729	342	178	193	2.7
65 years and over	4 286	...	3 081	782	277	125	21	—	—	2.2
One-person households	17 407	17 407	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	131 145	10 769	34 584	24 103	25 201	18 028	9 903	5 171	3 386	3.3
Less than 1.5	48 594	1 182	10 927	10 719	10 094	7 251	4 237	2 371	1 813	3.6
1.5 to 1.9	29 323	816	7 045	5 517	6 482	4 832	2 627	1 261	743	3.7
2.0 to 2.4	18 337	928	4 860	3 225	3 972	2 791	1 406	768	387	3.5
2.5 to 2.9	10 151	864	2 849	1 853	1 939	1 405	715	341	185	3.2
3.0 to 3.9	9 506	1 394	3 431	1 351	1 526	946	496	234	128	2.5
4.0 or more	14 186	5 063	5 190	1 341	1 131	764	388	189	120	1.9
Not computed	1 048	522	282	97	57	39	34	7	10	1.5
Renter occupied housing units	116 944	33 898	34 886	19 850	13 532	7 414	3 840	2 087	1 437	2.2
BEDROOMS										
None	3 493	3 077	295	32	—	69	—	20	—	1.1
1	30 325	17 966	10 216	1 302	505	128	104	78	26	1.3
2	50 897	10 344	18 611	12 495	6 492	1 918	678	268	91	2.3
3 or more	32 160	2 322	5 046	6 174	7 010	5 364	3 041	1 845	1 358	3.9
YEAR STRUCTURE BUILT										
1969 to March 1970	2 404	939	982	289	93	62	14	25	—	1.8
1965 to 1968	6 754	2 643	2 335	800	423	361	123	54	15	1.8
1960 to 1964	4 031	1 525	1 322	418	427	209	80	15	35	1.9
1950 to 1959	7 267	1 789	2 097	1 363	919	527	223	131	131	2.4
1940 to 1949	9 857	2 242	2 899	2 046	1 316	683	383	192	96	2.4
1939 or earlier	86 631	24 760	25 251	14 934	10 354	5 572	3 017	1 583	1 160	2.2
UNITS IN STRUCTURE										
1	14 527	2 460	3 431	2 808	2 411	1 578	887	483	469	3.0
2	32 249	6 835	10 507	6 606	4 357	2 190	1 001	458	295	2.4
3 and 4	39 751	9 874	12 202	7 300	5 072	2 740	1 399	698	466	2.3
5 to 9	16 013	6 614	4 588	2 058	1 242	633	402	328	148	1.8
10 to 19	7 811	4 163	2 081	729	399	200	121	80	38	1.4
20 or more	6 330	3 884	1 935	306	51	63	30	40	21	1.3
Mobile home or trailer	263	68	142	43	—	10	—	—	—	1.9
COMPLETE BATHROOMS										
1 and 1 1/2	107 421	29 620	33 002	18 700	12 660	6 945	3 538	1 786	1 170	2.2
2 or more	2 208	313	461	406	402	188	163	141	134	3.3
None or also used by another household	7 309	3 972	1 609	734	437	264	113	93	87	1.4
HOUSEHOLD COMPOSITION										
Two-or-more-person households	83 046	...	34 886	19 850	13 532	7 414	3 840	2 087	1 437	2.8
Male head, wife present, no nonrelatives	62 602	...	24 440	14 896	10 968	6 268	3 227	1 634	1 169	3.0
Under 25 years	9 760	...	4 687	3 502	1 183	300	77	—	11	2.6
25 to 34 years	16 793	...	3 794	4 253	4 543	2 493	1 051	428	231	3.6
35 to 44 years	9 396	...	1 410	1 410	2 090	1 852	1 256	748	630	4.4
45 to 64 years	18 582	...	8 241	4 538	2 766	1 516	796	438	287	2.7
65 years and over	8 071	...	6 308	1 193	386	21	10	10	10	2.1
Other male head	4 434	...	2 701	927	454	107	47	20	10	2.3
Under 65 years	3 577	...	2 099	726	421	170	51	84	47	2.4
65 years and over	857	...	602	201	33	149	51	84	47	2.4
Female head	16 010	...	7 745	4 027	2 110	976	562	369	221	2.6
Under 65 years	13 525	...	5 876	3 578	2 005	938	551	356	221	2.7
65 years and over	2 485	...	1 869	449	105	38	11	13	—	2.2
One-person households	33 898	33 898	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	116 184	33 690	34 778	19 742	13 418	7 346	3 755	2 054	1 401	2.2
Less than 10 percent	14 967	1 595	4 780	3 526	2 433	1 335	713	337	248	2.8
10 to 14 percent	23 068	3 029	8 027	5 035	3 539	1 789	853	471	325	2.6
15 to 19 percent	18 333	3 502	6 180	3 449	2 413	1 440	699	372	278	2.4
20 to 24 percent	12 036	3 596	3 779	1 831	1 412	670	401	174	173	2.1
25 to 34 percent	13 416	4 812	4 085	1 787	1 192	744	446	185	165	2.0
35 percent or more	26 354	14 263	6 045	2 824	1 547	826	366	352	131	1.4
Not computed	8 010	2 893	1 882	1 290	882	542	277	163	81	2.1

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-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	1 207	351	401	455	Vacant for rent	7 190	2 898	2 138	2 154
ROOMS					ROOMS				
1 to 3 rooms	84	23	26	35	1 room	239	165	39	35
4 rooms	165	33	41	91	2 rooms	456	261	108	87
5 rooms	291	80	96	115	3 rooms	1 417	573	407	437
6 rooms	299	107	108	84	4 rooms	2 366	925	754	687
7 rooms or more	368	108	130	130	5 rooms	1 965	743	589	633
					6 rooms	581	164	199	218
					7 rooms or more	166	67	42	57
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	1 134	337	392	405	With all plumbing facilities	6 696	2 653	2 055	1 988
Lacking some or all plumbing facilities	73	14	9	50	Lacking some or all plumbing facilities	494	245	83	166
BEDROOMS					BEDROOMS				
None and 1	136	68	34	34	None	241	108	70	63
2	282	68	133	81	1	2 391	1 078	682	631
3	481	162	199	120	2	3 265	1 436	1 033	796
4 or more	276	91	60	125	3 or more	1 390	485	494	411
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	184	73	59	52	1969 to March 1970	245	196	41	8
1960 to 1968	211	74	95	42	1960 to 1968	432	260	117	55
1950 to 1959	193	59	69	65	1950 to 1959	513	290	130	93
1949 or earlier	619	145	178	296	1949 or earlier	6 000	2 152	1 850	1 998
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	958	309	346	303	1	564	259	164	141
2 or more	249	42	55	152	2 to 4	3 795	1 364	1 177	1 254
					5 to 9	1 245	434	442	369
					10 to 19	1 066	525	210	331
					20 or more	520	316	145	59
HEATING EQUIPMENT					RENT ASKED				
Steam or hot water	725	227	234	264	Specified vacant for rent ²	7 185	2 898	2 133	2 154
Warm-air furnace	252	51	111	90	Less than \$50	2 449	779	759	911
Built-in electric units	69	48	11	10	\$50 to \$59	1 153	303	330	520
Floor, wall, or pipeless furnace	7	-	4	3	\$60 to \$79	1 548	681	470	397
Other means	131	21	32	78	\$80 to \$99	699	359	204	136
None	23	4	9	10	\$100 to \$119	386	207	102	77
					\$120 to \$149	468	258	141	69
					\$150 to \$199	381	242	104	35
					\$200 or more	101	69	23	9
					Median rent asked	\$60	\$71	\$59	\$53
SALES PRICE ASKED									
Specified vacant for sale ¹	907	301	325	281					
Less than \$5,000	45	6	15	24					
\$5,000 to \$9,999	96	29	35	32					
\$10,000 to \$14,999	98	27	34	37					
\$15,000 to \$19,999	209	70	71	68					
\$20,000 to \$24,999	188	93	55	40					
\$25,000 to \$34,999	165	44	75	46					
\$35,000 to \$49,999	76	22	28	26					
\$50,000 or more	30	10	12	8					
Median price asked	\$20 100	\$21 000	\$20 700	\$18 500					

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 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	907	141	98	209	188	165	106	7 185	3 602	1 548	699	854	381	101
PLUMBING FACILITIES														
With all plumbing facilities	901	119	91	147	271	179	94	6 821	3 502	1 285	749	713	443	129
Lacking some or all plumbing facilities	51	51	-	-	-	-	-	466	292	113	50	11	-	-
BEDROOMS														
None and 1	62	32	30	-	-	-	-	2 632	1 186	579	425	227	201	14
2	171	82	-	30	42	17	-	3 265	1 850	557	222	353	184	99
3	459	56	45	70	178	67	43	1 178	650	203	137	144	44	-
4 or more	260	-	16	47	51	95	51	212	108	59	15	-	14	16
YEAR STRUCTURE BUILT														
1969 to March 1970	172	-	6	36	55	51	24	245	33	10	3	39	121	39
1960 to 1968	198	21	14	24	54	42	43	432	81	66	37	140	91	17
1950 to 1959	170	13	27	56	24	26	24	513	231	101	88	73	20	-
1949 or earlier	367	107	51	93	55	46	15	5 995	3 257	1 371	571	602	149	45
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	559	150	128	92	111	70	8
2 to 4 .....	...	...	...	...	...	...	...	3 795	1 944	976	404	397	54	20
5 to 19 .....	...	...	...	...	...	...	...	2 311	1 323	408	190	260	98	32
20 or more .....	...	...	...	...	...	...	...	520	185	36	13	86	159	41
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	1 731	915	383	168	192	56	17
Some or no utilities included .....	...	...	...	...	...	...	...	5 454	2 687	1 165	531	662	325	84

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]

Cranston	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	6 142	209	163	318	379	1 173	1 152	1 297	888	186	16	361	111
ROOMS													
1 room	79	43	—	—	6	14	11	—	5	—	—	—	—
2 rooms	349	124	49	42	9	32	32	41	10	—	—	10	59
3 rooms	1 083	32	36	62	99	259	188	234	130	16	—	33	105
4 rooms	2 275	10	52	118	170	498	384	449	434	86	—	76	113
5 rooms	1 503	—	8	67	74	312	400	346	141	35	10	90	112
6 rooms	583	—	18	11	21	60	128	163	83	25	—	74	123
7 rooms	167	—	—	—	—	—	5	45	55	7	—	43	150
8 rooms or more	103	—	—	—	—	—	—	19	10	17	6	35	—
Median	4.1	2.0	3.4	4.0	3.9	4.1	4.4	4.3	4.2	4.4	—	5.2	—
PERSONS													
1 person	1 805	204	95	127	119	386	251	293	174	53	—	103	96
2 persons	2 057	5	32	98	111	432	407	470	355	69	4	74	115
3 persons	979	—	3	40	77	158	255	233	159	21	—	33	115
4 persons	672	—	13	22	52	98	123	172	110	18	6	58	120
5 persons	353	—	9	18	15	60	71	68	59	18	—	35	116
6 persons or more	276	—	11	13	5	39	45	61	31	7	6	58	118
Median	2.1	1.0	1.4	1.8	2.1	2.0	2.3	2.3	2.3	2.1	—	2.6	—
Units with roomers, boarders, or lodgers	66	—	—	—	9	6	5	18	14	7	—	7	—
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	6 040	179	158	294	379	1 155	1 141	1 297	884	186	16	351	112
0.50 or less	3 513	150	112	178	189	736	634	723	465	134	10	182	109
0.51 to 1.00	2 182	24	35	92	168	351	436	519	384	45	—	128	116
1.01 to 1.50	275	—	—	24	22	54	59	40	27	7	6	36	107
1.51 or more	70	5	11	—	—	14	12	15	8	—	—	5	—
Lacking some or all plumbing facilities	102	30	5	24	—	18	11	—	4	—	—	10	—
0.50 or less	57	16	5	17	—	9	—	—	4	—	—	6	—
0.51 to 1.00	45	14	—	7	—	9	11	—	—	—	—	4	—
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
BEDROOMS													
None	106	56	20	—	—	—	30	—	—	—	—	—	—
1	1 892	146	76	134	62	424	442	212	285	66	—	25	104
2	3 173	—	25	184	217	614	418	764	565	133	—	253	120
3 or more	1 071	—	19	41	59	170	194	215	123	66	—	184	116
YEAR STRUCTURE BUILT													
1969 to March 1970	149	6	—	—	—	7	4	20	91	21	—	—	171
1965 to 1968	573	133	60	34	—	—	14	90	210	18	—	14	133
1960 to 1964	408	10	5	—	10	6	33	137	150	35	—	22	148
1950 to 1959	500	—	9	10	17	59	80	146	117	16	6	40	131
1940 to 1949	596	4	—	21	32	138	163	115	56	17	4	46	110
1939 or earlier	3 916	56	89	253	320	963	858	789	264	79	6	239	104
ELEVATOR IN STRUCTURE													
4 floors or more	87	22	44	21	—	—	—	—	—	—	—	—	—
With elevator	87	22	44	21	—	—	—	—	—	—	—	—	—
Walk-up	—	—	—	—	—	—	—	—	—	—	—	—	—
1 to 3 floors	6 155	180	96	338	338	1 208	1 104	1 191	973	265	—	462	112
COMPLETE BATHROOMS													
1 and 1 1/2	5 910	196	171	275	377	1 104	1 191	1 306	864	131	14	281	112
2 or more	95	—	—	6	—	13	6	20	—	29	6	15	—
None or also used by another household	162	29	7	34	9	36	11	15	8	—	—	13	75
INCOME IN 1969													
Less than \$2,000	742	133	36	64	43	106	96	108	78	19	—	59	93
\$2,000 to \$2,999	428	33	46	32	39	108	60	45	42	5	—	18	91
\$3,000 to \$3,999	434	—	18	48	30	75	67	98	48	11	—	39	108
\$4,000 to \$4,999	488	20	14	37	37	136	99	74	50	7	—	14	99
\$5,000 to \$5,999	501	12	19	33	29	84	80	131	70	5	—	38	114
\$6,000 to \$6,999	522	6	21	51	51	99	112	122	61	4	—	25	109
\$7,000 to \$9,999	1 396	—	9	37	74	274	325	355	223	38	—	61	117
\$10,000 to \$14,999	1 183	5	—	39	53	254	219	271	215	38	12	77	118
\$15,000 to \$24,999	391	—	—	7	18	28	89	84	96	39	—	30	134
\$25,000 or more	57	—	—	—	5	9	5	9	5	20	4	—	—
Median	\$6 900	\$2000-	\$3 000	\$4 400	\$6 200	\$6 800	\$7 600	\$7 600	\$8 300	\$10 500	—	\$6 500	—
YEAR MOVED INTO UNIT													
1969 to March 1970	1 621	33	22	44	87	239	282	406	392	83	13	20	127
1968	989	55	34	34	27	182	186	251	180	6	—	34	116
1967	654	27	21	—	13	121	187	148	96	10	—	31	114
1965 and 1966	902	48	33	46	39	171	245	157	107	12	—	44	108
1960 to 1964	962	36	15	74	118	148	131	267	77	42	—	54	110
1950 to 1959	723	26	32	74	71	193	143	86	13	7	7	71	93
1949 or earlier	316	—	21	43	31	99	34	26	7	—	—	55	84
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	582	11	9	71	85	189	143	44	11	15	4	—	93
10 to 14 percent	1 163	32	50	38	92	312	265	235	118	21	—	—	104
15 to 19 percent	1 088	16	17	74	69	187	260	279	157	29	—	—	114
20 to 24 percent	756	22	11	34	32	155	131	193	156	22	—	—	119
25 to 34 percent	844	41	40	22	24	99	155	250	165	36	12	—	125
35 percent or more	1 279	82	28	58	77	226	192	278	275	63	—	—	118
Not computed	430	5	8	21	—	5	6	18	6	—	—	361	—
AIR CONDITIONING													
Room unit(s)	1 079	7	31	—	41	127	140	277	355	63	—	38	139
Central system	57	—	—	—	—	—	7	—	22	19	—	9	—
None	5 031	218	147	315	345	1 026	1 061	1 064	495	78	20	262	106

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]

Cranston	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	15 864	15 721	8 003	7 081	609	28	143	90	29	7	17
PERSONS											
1 person	1 463	1 427	1 422	5	--	--	36	36	--	--	--
2 persons	4 633	4 592	4 528	64	--	--	41	31	--	--	10
3 persons	3 024	2 996	1 657	1 335	4	--	28	18	10	--	--
4 persons	3 118	3 098	295	2 798	5	--	20	5	15	--	--
5 persons	1 945	1 945	101	1 814	28	--	--	--	--	--	--
6 persons or more	1 681	1 663	--	1 063	572	28	18	--	4	7	7
Median	3.1	3.1	2.1	4.3	6.5	...	2.4	...	...	...	...
Units with roomers, boarders, or lodgers	87	87	37	46	4	--	--	--	--	--	--
YEAR STRUCTURE BUILT											
1969 to March 1970	195	195	59	136	--	--	--	--	--	--	--
1965 to 1968	1 150	1 150	386	706	52	6	--	--	--	--	--
1960 to 1964	1 614	1 614	533	964	117	--	--	--	--	--	--
1950 to 1959	4 079	4 072	1 938	1 974	149	11	7	7	--	--	--
1940 to 1949	2 211	2 185	1 273	839	73	--	26	26	--	--	--
1939 or earlier	6 616	6 519	3 885	2 369	258	7	97	56	17	9	15
INCOME IN 1969											
Less than \$2,000	756	735	648	87	--	--	21	21	--	--	--
\$2,000 to \$2,999	541	518	441	67	10	--	23	17	6	--	--
\$3,000 to \$3,999	468	458	394	50	14	--	10	10	--	--	--
\$4,000 to \$4,999	558	547	471	67	9	--	11	--	4	7	--
\$5,000 to \$5,999	676	662	457	180	25	--	14	14	--	--	--
\$6,000 to \$6,999	827	827	493	308	26	--	--	--	--	--	--
\$7,000 to \$9,999	3 082	3 054	1 387	1 523	134	10	28	14	14	--	--
\$10,000 to \$14,999	4 705	4 686	1 992	2 447	236	11	19	14	--	--	5
\$15,000 to \$24,999	3 219	3 202	1 244	1 834	124	--	17	--	5	--	12
\$25,000 or more	1 032	1 032	476	518	31	7	--	--	--	--	--
Median	\$11 100	\$11 100	\$9 400	\$12 600	\$11 800	...	\$5 500	...	...	...	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	13 421	13 344	6 665	6 128	523	28	77	49	4	7	17
Less than 1.5	4 936	4 919	2 049	2 658	194	18	17	5	--	--	12
1.5 to 1.9	2 872	2 857	1 213	1 501	143	--	15	10	--	--	5
2.0 to 2.4	1 884	1 866	972	809	85	--	18	14	4	--	--
2.5 to 2.9	1 069	1 069	550	470	44	5	--	--	--	--	--
3.0 to 3.9	1 082	1 072	684	352	31	5	10	10	--	--	--
4.0 or more	1 468	1 451	1 106	319	26	--	17	10	--	7	--
Not computed	110	110	91	19	--	--	--	--	--	--	--
HEATING EQUIPMENT											
Steam or hot water	12 180	12 096	6 258	5 360	460	18	84	41	19	7	17
Warm-air furnace	3 100	3 096	1 442	1 499	145	10	4	--	4	--	--
Built-in electric units	195	195	72	123	--	--	--	--	--	--	--
Floor, wall, or pipeless furnace	101	96	50	42	4	--	5	5	--	--	--
Other means	283	233	176	57	--	--	50	44	6	--	--
None	5	5	5	--	--	--	--	--	--	--	--
Renter occupied housing units	6 190	6 088	3 520	2 218	275	75	102	57	45	--	--
PERSONS											
1 person	1 819	1 757	1 706	51	--	--	62	48	14	--	--
2 persons	2 061	2 045	1 631	393	--	21	16	9	7	--	--
3 persons	983	974	149	825	--	--	9	--	9	--	--
4 persons	677	671	22	612	27	10	6	--	6	--	--
5 persons	353	344	12	249	78	5	9	--	9	--	--
6 persons or more	297	297	--	88	170	39	--	--	--	--	--
Median	2.1	2.1	1.5	3.3	5.9	...	1.3	...	...	...	...
Units with roomers, boarders, or lodgers	66	66	6	45	7	8	--	--	--	--	--
YEAR STRUCTURE BUILT											
1969 to March 1970	139	139	71	68	--	--	--	--	--	--	--
1965 to 1968	524	515	335	165	15	--	9	--	9	--	--
1960 to 1964	393	385	252	133	--	--	8	8	--	--	--
1950 to 1959	491	485	338	108	21	18	6	6	--	--	--
1940 to 1949	624	624	381	228	15	--	--	--	--	--	--
1939 or earlier	4 019	3 937	2 044	1 576	252	65	82	57	25	--	--
INCOME IN 1969											
Less than \$2,000	749	720	564	146	10	--	29	16	13	--	--
\$2,000 to \$2,999	428	423	331	87	--	5	5	5	--	--	--
\$3,000 to \$3,999	442	437	293	130	14	--	5	--	--	--	--
\$4,000 to \$4,999	497	476	299	152	7	18	21	15	6	--	--
\$5,000 to \$5,999	510	498	304	169	25	--	12	12	--	--	--
\$6,000 to \$6,999	522	516	253	222	21	20	6	--	6	--	--
\$7,000 to \$9,999	1 403	1 390	656	636	90	8	13	4	9	--	--
\$10,000 to \$14,999	1 187	1 187	599	486	78	24	--	--	11	--	--
\$15,000 to \$24,999	395	384	184	174	26	--	--	--	--	--	--
\$25,000 or more	57	57	37	16	4	--	11	--	--	--	--
Median	\$6 900	\$6 900	\$5 900	\$8 000	\$9 000	...	\$4 600	...	...	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	6 142	6 040	3 513	2 182	275	70	102	57	45	--	--
Less than 10 percent	582	569	261	241	57	10	13	--	13	--	--
10 to 14 percent	1 163	1 143	599	474	59	11	20	11	9	--	--
15 to 19 percent	1 088	1 067	541	452	56	18	21	21	--	--	--
20 to 24 percent	756	747	468	242	29	8	9	9	--	--	--
25 to 34 percent	844	833	481	315	24	13	11	5	6	--	--
35 percent or more	1 279	1 261	931	315	10	5	18	5	13	--	--
Not computed	430	420	232	143	40	5	10	6	4	--	--
HEATING EQUIPMENT											
Steam or hot water	4 092	4 056	2 366	1 472	172	46	36	22	14	--	--
Warm-air furnace	839	821	492	290	23	16	18	--	18	--	--
Built-in electric units	355	348	217	118	5	8	7	--	7	--	--
Floor, wall, or pipeless furnace	65	65	35	30	--	--	--	--	--	--	--
Other means	829	793	405	308	75	5	36	30	6	--	--
None	10	5	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 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)

Cranston	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	15 864	15	9	176	1 763	5 020	5 001	2 346	1 534	5.7
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	15 722	7	7	157	1 744	4 989	4 942	2 403	1 473	5.7
PERSONS										
1 person	1 463	5	5	92	299	444	388	132	98	5.2
2 persons	4 633	10	—	64	911	1 725	1 280	431	212	5.3
3 persons	3 024	—	4	15	341	989	988	473	214	5.7
4 persons	3 118	—	—	5	158	1 031	1 062	562	300	5.8
5 persons	1 945	—	—	—	28	517	774	388	238	6.1
6 persons or more	1 681	—	—	—	26	314	509	360	472	6.5
Median	3.1	...	...	1.5	2.1	2.8	3.3	3.7	4.3	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	15 721	5	9	161	1 740	4 981	4 969	2 332	1 524	5.7
0.50 or less	8 003	—	5	77	1 193	2 144	2 647	1 022	915	5.7
0.51 to 1.00	7 081	5	—	79	493	2 523	2 141	1 262	578	5.7
1.01 to 1.50	609	—	4	5	54	304	175	48	19	5.3
1.51 or more	28	—	—	—	—	10	6	—	—	12
Lacking some or all plumbing facilities	143	10	—	15	23	39	32	14	10	5.1
0.50 or less	90	—	—	15	17	25	9	14	10	...
0.51 to 1.00	29	—	—	—	6	14	9	—	—	...
1.01 to 1.50	7	—	—	—	—	—	—	—	—	...
1.51 or more	17	10	—	—	—	—	7	—	—	...
BEDROOMS										
None and 1	714	22	21	207	402	22	40	—	—	3.8
2	4 909	—	—	19	1 293	2 640	848	87	22	4.9
3	7 844	—	—	—	55	2 143	3 678	1 578	390	6.0
4 or more	2 053	—	—	—	—	22	397	408	1 226	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	202	—	—	—	18	93	59	22	10	5.4
1960 to 1968	2 760	—	4	10	212	1 302	683	381	168	5.4
1950 to 1959	4 045	10	5	32	637	1 531	1 219	466	145	5.4
1949 or earlier	8 857	5	—	134	896	2 094	3 040	1 477	1 211	5.9
COMPLETE BATHROOMS										
1 and 1 1/2	13 815	—	7	157	1 648	4 709	4 496	1 877	921	5.6
2 or more	1 907	7	—	—	96	280	446	526	552	6.7
None or also used by another household	143	7	—	18	14	58	22	18	6	5.1
VALUE-INCOME RATIO										
Specified owner occupied ¹	13 421	10	5	83	1 138	4 040	4 535	2 214	1 396	5.8
Less than 1.5	4 936	5	—	21	406	1 218	1 754	952	580	6.0
1.5 to 1.9	2 872	5	—	20	214	951	998	405	279	5.7
2.0 to 2.9	2 953	—	—	17	229	1 026	942	467	272	5.7
3.0 or more	2 550	—	5	25	264	830	796	371	259	5.7
Not computed	110	—	—	—	25	15	45	19	6	5.8
Renter occupied housing units	6 190	86	354	1 087	2 275	1 507	595	167	119	4.2
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	5 962	50	342	1 104	2 177	1 440	582	157	110	4.2
PERSONS										
1 person	1 819	65	299	676	507	180	59	11	22	3.3
2 persons	2 061	21	45	355	959	514	142	15	10	4.1
3 persons	983	—	—	24	464	346	122	17	10	4.5
4 persons	677	—	10	27	244	228	115	31	22	4.8
5 persons	353	—	—	5	78	102	111	45	12	5.4
6 persons or more	297	—	—	—	23	137	46	48	43	5.4
Median	2.1	...	1.1	1.3	2.2	2.7	3.3	4.7	4.3	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	6 088	72	336	1 075	2 242	1 497	580	167	119	4.2
0.50 or less	3 520	—	281	671	1 442	694	313	43	76	4.1
0.51 to 1.00	2 218	51	45	372	699	666	248	98	39	4.4
1.01 to 1.50	275	—	—	27	90	117	19	18	4	4.7
1.51 or more	75	21	10	5	11	20	—	8	—	...
Lacking some or all plumbing facilities	102	14	18	12	33	10	15	—	—	3.7
0.50 or less	57	—	18	5	24	—	10	—	—	...
0.51 to 1.00	45	14	—	7	9	10	5	—	—	...
1.01 to 1.50	—	—	—	—	—	—	—	—	—	...
1.51 or more	—	—	—	—	—	—	—	—	—	...
BEDROOMS										
None	131	111	—	20	—	—	—	—	—	...
1	1 933	—	337	916	553	82	23	22	—	3.2
2	3 173	—	—	41	1 820	1 151	161	—	—	4.3
3 or more	1 135	—	—	—	—	446	413	138	138	5.8
YEAR STRUCTURE BUILT										
1969 to March 1970	149	10	5	39	88	7	—	—	—	3.7
1960 to 1968	981	—	220	253	426	39	21	4	—	3.5
1950 to 1959	500	9	16	90	217	89	75	4	—	4.1
1949 or earlier	4 560	49	113	705	1 544	1 372	499	159	119	4.4
COMPLETE BATHROOMS										
1 and 1 1/2	5 933	69	348	1 111	2 171	1 423	559	157	95	4.2
2 or more	95	—	—	—	26	31	23	—	15	...
None or also used by another household	162	17	26	22	70	15	12	—	—	3.7
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	6 142	79	349	1 083	2 275	1 503	583	167	103	4.2
Less than 10 percent	582	11	16	61	278	142	67	7	—	4.2
10 to 14 percent	1 163	6	34	153	509	312	117	22	10	4.3
15 to 19 percent	1 088	18	40	161	455	272	84	39	19	4.2
20 to 24 percent	756	—	68	131	293	162	75	8	19	4.1
25 to 34 percent	844	19	63	165	266	220	77	23	11	4.2
35 percent or more	1 279	25	108	368	374	281	89	25	9	3.9
Not computed	430	—	—	44	100	114	74	43	35	4.9

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

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.]

	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	
Cranston													
All occupied housing units	15 864	13 762	2 086	16	6 190	742	2 705	1 376	430	300	633	4	
ROOMS													
1 room	15	10	5	—	86	16	12	5	5	16	32	—	
2 rooms	9	9	—	—	354	21	27	45	46	15	200	—	
3 rooms	176	83	82	11	1 087	60	241	199	211	151	225	—	
4 rooms	1 763	1 180	578	5	2 275	91	1 306	482	117	118	157	4	
5 rooms	5 020	4 135	885	—	1 507	211	792	452	39	—	13	—	
6 rooms	5 001	4 638	363	—	595	168	260	155	6	—	6	—	
7 rooms	2 346	2 264	80	—	167	95	35	31	6	—	—	—	
8 rooms or more	1 534	1 441	93	—	119	80	32	7	—	—	—	—	
Median	5.7	5.8	4.9	...	4.2	5.4	4.3	4.4	3.3	3.3	2.9	...	
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	15 721	13 685	2 020	16	6 088	736	2 644	1 360	430	300	614	4	
0.50 or less	8 003	6 840	1 147	16	3 520	343	1 475	754	276	208	460	4	
0.51 to 1.00	7 081	6 276	805	—	2 218	285	983	570	144	86	150	—	
1.01 to 1.50	609	541	68	—	275	89	145	21	10	6	4	—	
1.51 or more	28	28	—	—	75	19	41	15	—	—	—	—	
Lacking same or all plumbing facilities	143	77	66	—	102	6	61	16	—	—	19	—	
0.50 or less	90	49	41	—	57	6	30	16	—	—	5	—	
0.51 to 1.00	29	4	25	—	45	—	31	—	—	—	14	—	
1.01 to 1.50	7	7	—	—	—	—	—	—	—	—	—	—	
1.51 or more	17	17	—	—	—	—	—	—	—	—	—	—	
BEDROOMS													
None	22	22	—	—	131	25	30	—	—	—	76	—	
1	692	380	294	18	1 933	177	485	341	227	222	481	—	
2	4 909	3 665	1 244	—	3 173	233	1 652	864	116	140	168	—	
3	7 844	7 110	734	—	887	189	494	204	—	—	—	—	
4 or more	2 053	1 941	112	—	248	172	76	—	—	—	—	—	
YEAR STRUCTURE BUILT													
1969 to March 1970	202	202	—	—	149	—	16	—	27	43	63	—	
1965 to 1968	1 115	1 069	46	—	573	37	144	11	29	72	280	—	
1960 to 1964	1 645	1 593	52	—	408	25	121	5	46	42	169	—	
1950 to 1959	4 045	3 903	126	16	500	133	242	55	5	36	25	4	
1940 to 1949	2 189	2 052	137	—	596	92	295	76	71	36	26	—	
1939 or earlier	6 668	4 943	1 725	—	3 964	455	1 887	1 229	252	71	70	—	
INCOME IN 1969													
Less than \$2,000	756	538	218	—	749	74	258	128	50	62	177	—	
\$2,000 to \$2,999	541	379	156	6	428	27	173	80	29	44	75	—	
\$3,000 to \$3,999	468	404	64	—	442	73	147	86	49	15	72	—	
\$4,000 to \$4,999	558	410	143	5	497	49	196	126	41	32	53	—	
\$5,000 to \$5,999	676	540	136	—	510	103	206	103	47	21	26	4	
\$6,000 to \$6,999	827	726	96	5	522	62	209	160	25	26	40	—	
\$7,000 to \$9,999	3 082	2 631	451	—	1 403	161	729	330	84	47	52	—	
\$10,000 to \$14,999	4 705	4 187	518	—	1 187	119	607	268	96	21	76	—	
\$15,000 to \$24,999	3 219	2 937	282	—	395	74	157	86	9	32	37	—	
\$25,000 or more	1 032	1 010	22	—	57	—	23	9	—	—	25	—	
Median	\$11 100	\$11 500	\$8 500	...	\$6 900	\$6 700	\$7 700	\$7 000	\$6 000	\$4 900	\$3 900	...	
YEAR MOVED INTO UNIT													
1969 to March 1970	980	884	96	—	1 634	175	691	325	145	103	195	—	
1968	859	778	81	—	989	38	496	191	88	51	125	—	
1967	738	635	96	7	654	75	296	199	30	6	42	6	
1965 and 1966	1 601	1 457	144	—	902	107	364	192	57	46	136	—	
1960 to 1964	3 219	3 007	212	—	962	91	403	220	53	75	120	—	
1950 to 1959	4 664	4 232	425	7	612	141	271	134	53	—	13	—	
1949 or earlier	3 804	2 899	905	—	437	65	206	128	32	6	—	—	
GROSS RENT													
Specified renter occupied ¹ .....	...	...	...	...	6 142	694	2 705	1 376	430	300	633	4
Less than \$50 .....	...	...	...	...	209	—	20	21	5	12	151	—
\$50 to \$59 .....	...	...	...	...	163	9	42	19	19	5	65	4
\$60 to \$69 .....	...	...	...	...	318	26	131	105	27	—	29	—
\$70 to \$79 .....	...	...	...	...	379	30	179	120	28	18	4	—
\$80 to \$99 .....	...	...	...	...	1 173	86	650	319	74	27	17	—
\$100 to \$119 .....	...	...	...	...	1 152	77	557	358	102	44	14	—
\$120 to \$149 .....	...	...	...	...	1 297	125	629	297	79	80	87	—
\$150 to \$199 .....	...	...	...	...	888	107	359	79	74	97	172	—
\$200 to \$299 .....	...	...	...	...	186	37	42	7	6	12	82	—
\$300 or more .....	...	...	...	...	16	12	—	—	—	—	4	—
No cash rent .....	...	...	...	...	361	185	96	51	16	5	8	—
Median .....	...	...	...	...	\$111	\$126	\$110	\$104	\$111	\$136	\$131	...
HEATING EQUIPMENT													
Steam or hot water	12 180	10 479	1 701	—	4 092	503	1 878	863	260	196	392	—	
Warm-air furnace	3 100	2 864	231	5	839	123	387	119	40	27	139	4	
Built-in electric units	195	190	5	—	355	23	85	22	96	63	66	—	
Floor, wall, or pipeless furnace	101	91	10	—	65	24	16	5	—	9	11	—	
Other means	283	138	134	11	829	69	334	362	34	5	25	—	
None	5	—	5	—	10	—	5	5	—	—	—	—	
AIR CONDITIONING													
Room unit(s)	3 321	2 998	323	—	1 089	99	369	119	139	125	238	—	
Central system	379	366	13	—	57	—	7	—	14	—	36	—	
None	12 165	10 528	1 623	14	5 044	593	2 351	1 270	305	162	357	6	
AUTOMOBILES AVAILABLE													
1	7 211	6 156	1 041	14	3 664	444	1 677	870	254	170	243	6	
2	6 567	6 015	552	—	1 155	174	614	187	69	22	89	—	
3 or more	1 132	1 010	122	—	144	30	22	71	14	—	7	—	
None	955	711	244	—	1 227	44	414	261	121	95	292	—	

¹Excludes 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)

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Cranston										
Owner occupied housing units	15 864	1 463	4 633	3 024	3 118	1 945	1 027	462	192	3.1
BEDROOMS										
None and 1	714	213	457	44	—	—	—	—	—	1.8
2	4 909	811	2 283	1 142	527	84	62	—	—	2.2
3	7 844	423	1 556	1 414	2 240	1 518	539	154	—	3.7
4 or more	2 053	68	185	278	318	313	468	309	114	5.1
YEAR STRUCTURE BUILT										
1969 to March 1970	202	6	43	36	69	19	24	5	—	3.7
1965 to 1968	1 115	17	199	239	335	207	97	9	12	3.8
1960 to 1964	1 645	74	266	372	480	259	132	55	7	3.7
1950 to 1959	4 045	268	1 247	805	850	527	237	94	17	3.1
1940 to 1949	2 189	200	799	472	359	184	131	30	14	2.7
1939 or earlier	6 668	898	2 079	1 100	1 025	749	406	269	142	2.8
UNITS IN STRUCTURE										
1	13 762	1 075	3 897	2 627	2 814	1 778	958	429	184	3.2
2 or more	2 086	372	736	397	304	167	69	33	8	2.4
Mobile home or trailer	16	—	—	—	—	—	—	—	—	...
COMPLETE BATHROOMS										
1 and 1 1/2	13 815	1 315	4 303	2 646	2 609	1 569	824	393	156	3.0
2 and 2 1/2	1 824	123	318	326	438	356	135	77	51	3.8
3 or more	83	—	26	13	7	25	8	4	—	...
None or also used by another household	143	38	47	17	11	7	6	9	8	2.2
HOUSEHOLD COMPOSITION										
Two-or-more-person households	14 401	...	4 633	3 024	3 118	1 945	1 027	462	192	3.3
Male head, wife present, no nonrelatives	12 708	...	3 717	2 583	2 940	1 872	975	435	186	3.5
Under 25 years	134	...	24	74	25	5	6	—	—	4.1
25 to 34 years	1 708	...	136	237	657	392	218	54	14	4.2
35 to 44 years	2 719	...	148	299	765	733	425	225	124	4.7
45 to 64 years	6 402	...	2 137	1 641	1 402	720	311	147	44	3.1
65 years and over	1 745	...	1 272	332	91	22	15	9	4	2.2
Other male head	468	...	251	104	62	40	11	—	—	2.4
Under 65 years	350	...	170	77	52	40	11	—	—	2.6
65 years and over	118	...	81	27	10	—	—	27	6	2.2
Female head	1 225	...	665	337	116	33	41	27	6	2.4
Under 65 years	787	...	353	233	99	28	41	27	6	2.7
65 years and over	438	...	312	104	17	5	—	—	—	2.2
One-person households	1 463	1 463	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	13 421	1 025	3 822	2 565	2 738	1 747	934	406	184	3.2
Less than 1.5	4 936	91	1 127	1 151	1 129	729	411	182	116	3.6
1.5 to 1.9	2 872	78	819	474	689	446	224	114	28	3.6
2.0 to 2.4	1 884	100	597	366	420	215	126	48	12	3.2
2.5 to 2.9	1 069	88	337	175	181	191	53	30	14	3.1
3.0 to 3.9	1 082	178	383	171	183	90	57	9	11	2.4
4.0 or more	1 468	448	521	217	126	72	58	23	3	2.0
Not computed	110	42	38	11	10	4	5	—	—	1.8
Renter occupied housing units	6 190	1 819	2 061	983	677	353	150	81	66	2.1
BEDROOMS										
None	131	—	30	—	—	—	—	—	—	...
1	1 933	1 124	765	25	19	—	—	—	—	1.4
2	3 173	532	1 369	820	312	118	22	20	20	2.3
3 or more	1 135	137	151	157	200	264	186	—	—	4.1
YEAR STRUCTURE BUILT										
1969 to March 1970	149	42	90	17	—	—	—	—	—	1.9
1965 to 1968	573	278	172	76	21	22	4	—	—	1.5
1960 to 1964	408	130	199	39	28	12	—	—	—	1.9
1950 to 1959	500	147	198	78	47	10	13	7	—	2.0
1940 to 1949	596	196	185	103	78	29	5	5	—	2.1
1939 or earlier	3 964	1 026	1 217	670	503	280	133	69	66	2.3
UNITS IN STRUCTURE										
1	742	111	225	118	91	85	43	38	31	2.8
2	2 705	538	964	532	370	171	68	39	23	2.3
3 and 4	1 376	372	443	241	188	87	29	4	12	2.2
5 to 9	430	221	133	46	20	—	10	—	—	1.5
10 to 19	300	186	79	29	—	6	—	—	—	1.3
20 or more	633	391	213	17	8	4	—	—	—	1.3
Mobile home or trailer	4	—	4	—	—	—	—	—	—	...
COMPLETE BATHROOMS										
1 and 1 1/2	5 933	1 722	1 925	964	692	323	141	102	64	2.1
2 or more	95	—	45	18	17	6	—	—	9	...
None or also used by another household	162	82	35	15	9	21	—	—	—	1.5
HOUSEHOLD COMPOSITION										
Two-or-more-person households	4 371	...	2 061	983	677	353	150	81	66	2.1
Male head, wife present, no nonrelatives	3 463	...	1 565	787	574	307	124	63	43	2.7
Under 25 years	535	...	305	158	68	4	—	—	—	2.4
25 to 34 years	1 073	...	312	290	292	139	24	11	5	3.3
35 to 44 years	481	...	77	97	78	104	60	34	31	4.4
45 to 64 years	808	...	396	190	101	60	36	18	7	2.5
65 years and over	566	...	475	52	35	4	—	—	—	2.1
Other male head	146	...	98	28	14	—	—	—	—	2.2
Under 65 years	115	...	67	28	14	—	—	—	—	2.4
65 years and over	31	...	31	—	—	—	—	—	—	...
Female head	762	...	398	168	89	46	26	18	17	2.5
Under 65 years	640	...	310	144	84	41	26	18	17	2.6
65 years and over	122	...	88	24	5	5	—	—	—	2.2
One-person households	1 819	1 819	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	6 142	1 805	2 057	979	672	353	138	81	57	2.1
Less than 10 percent	582	51	242	145	67	45	11	21	—	2.5
10 to 14 percent	1 163	154	544	204	136	63	35	15	12	2.3
15 to 19 percent	1 088	256	351	198	151	90	23	10	9	2.3
20 to 24 percent	756	234	254	129	68	43	13	7	8	2.1
25 to 34 percent	844	278	240	128	128	30	34	—	6	2.1
35 percent or more	1 279	698	327	133	64	43	4	4	10	1.4
Not computed	430	134	99	42	58	39	22	24	12	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 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]

Cranston	Cranston				Cranston	Cranston			
	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	55	12	20	23	Vacant for rent	254	132	79	43
ROOMS					ROOMS				
1 to 3 rooms	—	—	—	—	1 room	7	4	3	—
4 rooms	5	—	—	5	2 rooms	3	—	3	—
5 rooms	14	9	3	2	3 rooms	92	54	27	11
6 rooms	14	3	7	4	4 rooms	82	39	31	12
7 rooms or more	22	—	10	12	5 rooms	51	28	7	16
PLUMBING FACILITIES					6 rooms	15	3	8	4
With all plumbing facilities	55	12	20	23	7 rooms or more	4	4	—	—
Lacking some or all plumbing facilities	—	—	—	—	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	251	132	76	43
None and 1	—	—	—	—	Lacking some or all plumbing facilities	3	—	3	—
2	—	—	—	—	BEDROOMS				
3	33	—	16	17	None	16	16	—	—
4 or more	—	—	—	—	1	143	71	33	39
YEAR STRUCTURE BUILT					2	110	65	45	—
1969 to March 1970	3	3	—	—	3 or more	48	32	16	—
1960 to 1968	16	4	8	4	YEAR STRUCTURE BUILT				
1950 to 1959	10	5	5	—	1969 to March 1970	54	43	11	—
1949 or earlier	26	—	7	19	1960 to 1968	25	18	7	—
UNITS IN STRUCTURE					1950 to 1959	13	5	3	5
1	45	12	17	16	1949 or earlier	162	66	58	38
2 or more	10	—	3	7	UNITS IN STRUCTURE				
HEATING EQUIPMENT					1	19	—	13	6
Steam or hot water	35	4	12	19	2 to 4	137	64	43	30
Warm-air furnace	12	—	8	4	5 to 9	14	4	3	7
Built-in electric units	8	8	—	—	10 to 19	33	30	3	—
Floor, wall, or pipeless furnace	—	—	—	—	20 or more	51	34	17	—
Other means	—	—	—	—	RENT ASKED				
None	—	—	—	—	Specified vacant for rent ²	254	132	79	43
SALES PRICE ASKED					Less than \$50	21	9	3	9
Specified vacant for sale ¹	45	12	17	16	\$50 to \$59	22	8	—	14
Less than \$5,000	—	—	—	—	\$60 to \$79	42	8	29	5
\$5,000 to \$9,999	—	—	—	—	\$80 to \$99	42	24	14	4
\$10,000 to \$14,999	—	—	—	—	\$100 to \$119	23	8	8	7
\$15,000 to \$19,999	7	—	5	2	\$120 to \$149	44	19	21	4
\$20,000 to \$24,999	11	4	4	3	\$150 to \$199	45	41	4	—
\$25,000 to \$34,999	15	8	—	—	\$200 or more	15	15	—	—
\$35,000 to \$49,999	4	—	—	—	Median rent asked	\$100	\$134	—	—
\$50,000 or more	8	—	8	—					
Median price asked .....	...	...	...	...	

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]

Cranston	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	45	—	—	7	11	15	12	254	43	42	42	67	45	15
PLUMBING FACILITIES														
With all plumbing facilities	33	—	—	33	—	—	—	317	54	55	97	17	61	33
Lacking some or all plumbing facilities	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BEDROOMS														
None and 1	—	—	—	—	—	—	—	159	22	17	81	17	22	—
2	—	—	—	—	—	—	—	110	16	22	—	—	39	33
3	33	—	—	33	—	—	—	48	16	16	16	—	—	—
4 or more	—	—	—	—	—	—	—	—	—	—	—	—	—	—
YEAR STRUCTURE BUILT														
1969 to March 1970	3	—	—	—	—	3	—	54	—	—	—	11	31	12
1960 to 1968	16	—	—	—	4	—	—	25	3	—	—	19	3	—
1950 to 1959	10	—	—	5	—	5	—	13	10	—	3	—	—	—
1949 or earlier	16	—	—	2	7	7	—	162	30	42	39	37	11	3
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	19	6	6	7	—	—	—
2 to 4 .....	...	...	...	...	...	...	...	137	32	32	31	31	11	—
5 to 19 .....	...	...	...	...	...	...	...	47	5	—	4	23	—	15
20 or more .....	...	...	...	...	...	...	...	51	—	4	—	13	34	—
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	33	—	—	11	5	17	—
Some or no utilities included .....	...	...	...	...	...	...	...	221	43	42	31	62	28	15

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

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

Pawtucket	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	12 816	19	34	263	2 122	4 440	3 691	1 203	1 044	5.4
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	12 580	11	29	224	2 061	4 383	3 662	1 173	1 037	5.4
PERSONS										
1 person	1 739	8	20	138	484	556	362	109	62	4.9
2 persons	3 930	-	14	97	996	1 421	882	290	230	5.1
3 persons	2 382	-	-	-	419	889	754	184	136	5.4
4 persons	1 884	6	-	17	131	794	607	185	144	5.5
5 persons	1 342	5	-	11	66	427	502	182	149	5.8
6 persons or more	1 539	-	-	-	26	353	584	253	323	6.2
Median	2.8	...	...	1.5	2.1	2.8	3.3	3.6	4.2	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	12 674	19	21	244	2 096	4 404	3 665	1 185	1 040	5.4
0.50 or less	6 719	-	11	126	1 459	1 945	1 972	574	632	5.4
0.51 to 1.00	5 136	8	10	90	545	2 106	1 465	560	352	5.4
1.01 to 1.50	723	-	-	17	86	317	212	51	40	5.3
1.51 or more	96	11	-	11	6	36	16	-	16	...
Lacking some or all plumbing facilities	142	-	13	19	26	36	26	18	4	4.9
0.50 or less	109	-	9	12	21	32	26	9	4	4.9
0.51 to 1.00	33	-	4	7	5	4	-	9	4	...
1.01 to 1.50	-	-	-	-	-	-	-	-	-	-
1.51 or more	-	-	-	-	-	-	-	-	-	-
BEDROOMS										
None and 1	709	22	50	154	372	72	39	-	-	3.8
2	4 716	-	-	124	1 742	2 240	557	53	-	4.7
3	5 667	-	-	-	58	2 015	2 643	753	198	5.8
4 or more	1 841	-	-	-	-	19	516	462	844	7.3
YEAR STRUCTURE BUILT										
1969 to March 1970	64	-	-	6	15	34	5	-	4	...
1960 to 1968	734	4	-	20	152	370	91	44	53	5.0
1950 to 1959	2 497	5	5	34	557	1 026	648	141	81	5.1
1949 or earlier	9 521	10	29	203	1 398	3 010	2 947	1 018	906	5.5
COMPLETE BATHROOMS										
1 and 1/2	11 328	17	29	202	1 993	4 150	3 353	919	665	5.3
2 or more	1 274	-	-	22	77	240	309	254	372	6.5
None or also used by another household	214	-	5	31	48	69	22	28	11	4.8
VALUE-INCOME RATIO										
Specified owner occupied ¹	8 185	4	10	25	1 072	2 389	2 711	1 078	896	5.7
Less than 1.5	3 485	4	-	4	349	960	1 178	449	521	5.8
1.5 to 1.9	1 634	-	5	5	191	527	554	212	140	5.7
2.0 to 2.9	1 591	-	-	11	255	504	522	203	96	5.5
3.0 or more	1 393	-	5	5	252	384	424	192	131	5.6
Not computed	82	-	-	-	5	14	33	22	8	...
Renter occupied housing units	13 874	369	608	2 657	3 696	4 512	1 656	217	159	4.4
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	13 019	223	504	2 462	3 426	4 357	1 654	232	161	4.5
PERSONS										
1 person	4 320	352	504	1 642	955	676	155	26	10	3.3
2 persons	4 306	17	95	883	1 547	1 359	367	27	11	4.2
3 persons	2 259	-	9	87	718	994	401	36	14	4.8
4 persons	1 435	-	-	28	303	699	335	42	28	5.1
5 persons	785	-	-	5	111	391	244	27	7	5.2
6 persons or more	769	-	-	12	62	393	154	59	89	5.3
Median	2.1	1.0	1.1	1.3	2.1	2.7	3.3	4.0	5.8	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	13 363	244	512	2 578	3 557	4 451	1 645	217	159	4.4
0.50 or less	7 494	-	417	1 586	2 428	1 994	917	89	63	4.2
0.51 to 1.00	5 137	232	86	947	977	2 069	657	98	71	4.7
1.01 to 1.50	609	-	9	28	132	334	71	17	18	4.9
1.51 or more	123	12	-	17	20	54	-	13	7	4.7
Lacking some or all plumbing facilities	511	125	96	79	139	61	11	-	-	2.9
0.50 or less	264	-	87	56	74	41	6	-	-	3.3
0.51 to 1.00	216	120	9	23	44	15	5	-	-	1.4
1.01 to 1.50	15	-	-	-	10	5	-	-	-	...
1.51 or more	16	5	-	-	11	-	-	-	-	...
BEDROOMS										
None	295	248	47	-	-	-	-	-	-	...
1	3 586	-	518	2 434	561	39	34	-	-	3.0
2	6 001	-	-	192	3 049	2 483	220	57	-	4.4
3 or more	3 812	-	-	-	68	2 072	1 401	128	143	5.4
YEAR STRUCTURE BUILT										
1969 to March 1970	306	101	-	159	30	16	-	-	-	2.8
1960 to 1968	1 056	78	12	278	609	64	9	6	-	3.8
1950 to 1959	604	12	24	167	198	116	73	7	7	4.0
1949 or earlier	11 908	178	572	2 053	2 859	4 316	1 574	204	152	4.6
COMPLETE BATHROOMS										
1 and 1/2	12 957	229	498	2 480	3 431	4 363	1 628	217	111	4.5
2 or more	169	14	6	16	19	17	32	15	50	5.9
None or also used by another household	748	135	110	154	225	108	16	-	-	3.3
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	13 874	369	608	2 657	3 696	4 512	1 656	217	159	4.4
Less than 10 percent	2 056	74	72	191	500	828	337	29	25	4.7
10 to 14 percent	2 899	47	92	324	782	1 214	378	31	31	4.7
15 to 19 percent	2 241	6	72	384	637	753	338	20	31	4.5
20 to 24 percent	1 333	41	22	299	375	402	143	47	4	4.3
25 to 34 percent	1 538	53	128	364	390	419	154	24	4	4.1
35 percent or more	3 026	132	178	890	860	718	214	25	9	3.9
Not computed	781	16	44	205	152	178	90	41	55	4.3

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 C-9. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1970
 [Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

Pawtucket	Pawtucket				Pawtucket	Pawtucket			
	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	37	8	13	16	Vacant for rent	776	346	234	196
ROOMS					ROOMS				
1 to 3 rooms	4	-	4	-	1 room	11	11	-	-
4 rooms	5	2	-	3	2 rooms	70	38	29	3
5 rooms	11	3	-	8	3 rooms	162	59	53	50
6 rooms	-	-	-	-	4 rooms	250	124	60	66
7 rooms or more	17	3	9	5	5 rooms	222	104	73	45
					6 rooms	51	10	16	25
					7 rooms or more	10	-	3	7
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	37	8	13	16	With all plumbing facilities	713	302	234	177
Lacking some or all plumbing facilities	-	-	-	-	Lacking some or all plumbing facilities	63	44	-	19
BEDROOMS					BEDROOMS				
None and 1	-	-	-	14	None	-	-	-	-
2	14	-	-	-	1	298	106	128	64
3	-	-	-	-	2	403	169	127	107
4 or more	-	-	-	-	3 or more	86	22	21	43
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	3	3	-	-	1969 to March 1970	-	-	-	-
1960 to 1968	6	2	4	-	1960 to 1968	26	14	7	5
1950 to 1959	28	3	9	16	1950 to 1959	42	24	7	11
1949 or earlier	-	-	-	-	1949 or earlier	708	308	220	180
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	27	8	9	10	1	67	39	21	7
2 or more	10	-	4	6	2 to 4	471	173	152	146
					5 to 9	131	62	43	26
					10 to 19	81	59	14	8
					20 or more	26	13	4	9
HEATING EQUIPMENT					RENT ASKED				
Steam or hot water	23	8	9	6	Specified vacant for rent ²	776	346	234	196
Warm-air furnace	6	-	-	6	Less than \$50	257	121	63	73
Built-in electric units	-	-	-	-	\$50 to \$59	106	59	24	23
Floor, wall, or pipeless furnace	4	-	4	4	\$60 to \$79	249	97	95	57
Other means	4	-	-	-	\$80 to \$99	94	36	28	30
None	4	-	-	-	\$100 to \$119	28	12	11	5
					\$120 to \$149	19	4	10	5
					\$150 to \$199	23	17	3	3
					\$200 or more	-	-	-	-
SALES PRICE ASKED					Median rent asked	\$62	\$59	\$66	\$61
Specified vacant for sale ¹	27	8	9	10					
Less than \$5,000	-	-	-	-					
\$5,000 to \$9,999	-	-	-	-					
\$10,000 to \$14,999	-	8	9	8					
\$15,000 to \$19,999	25	-	2	2					
\$20,000 to \$24,999	2	-	-	-					
\$25,000 to \$34,999	-	-	-	-					
\$35,000 to \$49,999	-	-	-	-					
\$50,000 or more	-	-	-	-					
Median price asked .....	...	...	...	...	

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 C-10. Sales Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1970
 [Data based on sample, see text. For meaning of symbols, see text]

Pawtucket	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	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	27	-	-	25	2	-	776	363	249	94	47	23	-
PLUMBING FACILITIES													
With all plumbing facilities	14	-	-	-	14	-	766	319	234	148	43	22	-
Lacking some or all plumbing facilities	-	-	-	-	-	-	21	21	-	-	-	-	-
BEDROOMS													
None and 1	14	-	-	-	14	-	298	107	86	84	21	-	-
2	-	-	-	-	-	-	403	211	105	43	22	22	-
3	-	-	-	-	-	-	86	22	43	21	-	-	-
4 or more	-	-	-	-	-	-	-	-	-	-	-	-	-
YEAR STRUCTURE BUILT													
1969 to March 1970	3	-	-	3	-	-	26	14	11	-	-	1	-
1960 to 1968	6	-	-	6	-	-	42	32	3	4	-	3	-
1950 to 1959	18	-	-	16	2	-	708	317	235	90	47	19	-
1949 or earlier	-	-	-	-	-	-	-	-	-	-	-	-	-
UNITS IN STRUCTURE													
1 .....	...	...	...	...	...	...	67	23	16	9	3	16	-
2 to 4 .....	...	...	...	...	...	...	471	196	173	67	32	3	-
5 to 19 .....	...	...	...	...	...	...	212	125	53	18	12	4	-
20 or more .....	...	...	...	...	...	...	26	19	7	-	-	-	-
INCLUSION OF UTILITIES IN RENT													
All utilities included .....	...	...	...	...	...	...	185	108	41	24	8	4	-
Some or no utilities included .....	...	...	...	...	...	...	591	255	208	70	39	19	-

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 D-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]

Providence					Providence				
	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	212	64	58	90	Vacant for rent	3 483	1 158	1 065	1 260
ROOMS					ROOMS				
1 to 3 rooms	22	3	7	12	1 room	121	82	17	22
4 rooms	39	7	6	26	2 rooms	191	103	45	43
5 rooms	59	16	22	21	3 rooms	530	156	160	214
6 rooms	41	14	8	19	4 rooms	1 045	311	343	391
7 rooms or more	51	24	15	12	5 rooms	1 181	369	364	428
					6 rooms	340	81	121	138
					7 rooms or more	75	36	15	24
PLUMBING FACILITIES					PLUMBING FACILITIES				
With all plumbing facilities	201	60	55	86	With all plumbing facilities	3 311	1 060	1 045	1 206
Lacking some or all plumbing facilities	11	4	3	4	Lacking some or all plumbing facilities	172	98	20	54
BEDROOMS					BEDROOMS				
None and 1	57	38	-	19	None	124	73	33	18
2	52	14	19	19	1	946	385	234	327
3	33	33	-	-	2	1 679	616	550	513
4 or more	27	27	-	-	3 or more	618	136	244	238
YEAR STRUCTURE BUILT					YEAR STRUCTURE BUILT				
1969 to March 1970	8	4	-	4	1969 to March 1970	10	-	10	-
1960 to 1968	18	5	4	9	1960 to 1968	88	47	29	12
1950 to 1959	20	8	9	3	1950 to 1959	303	172	98	33
1949 or earlier	166	47	45	74	1949 or earlier	3 082	939	928	1 215
UNITS IN STRUCTURE					UNITS IN STRUCTURE				
1	83	45	22	16	1	152	56	54	42
2 or more	129	19	36	74	2 to 4	1 964	575	644	745
					5 to 9	527	170	185	172
					10 to 19	681	274	132	275
					20 or more	159	83	50	26
HEATING EQUIPMENT					RENT ASKED				
Steam or hot water	154	57	42	55	Specified vacant for rent ²	3 483	1 158	1 065	1 260
Warm-air furnace	17	4	3	10	Less than \$50	1 403	369	464	570
Built-in electric units	-	-	-	-	\$50 to \$59	762	159	211	392
Floor, wall, or pipeless furnace	3	-	-	3	\$60 to \$79	761	350	208	203
Other means	38	3	13	22	\$80 to \$99	273	123	90	60
None	-	-	-	-	\$100 to \$119	125	59	48	18
					\$120 to \$149	90	54	25	11
					\$150 to \$199	37	28	9	-
					\$200 or more	32	16	10	6
					Median rent asked	\$54	\$63	\$53	\$52
SALES PRICE ASKED									
Specified vacant for sale ¹	77	45	16	16					
Less than \$5,000	-	-	-	-					
\$5,000 to \$9,999	25	20	-	5					
\$10,000 to \$14,999	22	7	7	8					
\$15,000 to \$19,999	5	5	-	-					
\$20,000 to \$24,999	3	3	-	-					
\$25,000 to \$34,999	16	12	4	-					
\$35,000 to \$49,999	3	-	-	3					
\$50,000 or more	3	3	-	-					
Median price asked	...	...	...	...	

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 D-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]

Providence	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	77	25	22	5	3	16	6	3 483	2 165	761	273	215	37	32
PLUMBING FACILITIES														
With all plumbing facilities	60	19	-	-	-	41	-	3 228	2 089	621	230	199	42	47
Lacking some or all plumbing facilities	-	-	-	-	-	-	-	139	50	71	18	-	-	-
BEDROOMS														
None and 1	-	-	-	-	-	-	-	1 070	578	298	115	51	14	14
2	-	-	-	-	-	-	-	1 679	1 100	287	133	112	14	33
3	33	19	-	-	-	-	-	558	429	93	-	36	-	-
4 or more	27	-	-	-	-	27	-	60	32	14	-	-	14	-
YEAR STRUCTURE BUILT														
1969 to March 1970	4	-	2	-	-	2	-	10	-	4	3	3	-	-
1960 to 1968	14	5	5	-	-	4	-	88	36	29	3	8	6	6
1950 to 1959	10	4	3	-	-	-	-	303	152	84	36	31	-	-
1949 or earlier	49	16	12	5	3	10	3	3 082	1 977	644	231	173	31	26
UNITS IN STRUCTURE														
1	...	...	...	...	...	...	...	152	68	47	7	24	3	3
2 to 4	...	...	...	...	...	...	...	1 964	1 214	460	159	99	17	15
5 to 19	...	...	...	...	...	...	...	1 208	771	242	100	71	13	11
20 or more	...	...	...	...	...	...	...	159	112	12	7	21	4	3
INCLUSION OF UTILITIES IN RENT														
All utilities included	...	...	...	...	...	...	...	1 076	645	266	91	55	9	10
Some or no utilities included	...	...	...	...	...	...	...	2 407	1 520	495	182	160	28	22

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 E-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]

Warwick	Warwick				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	188	71	51	66	248	138	75	35
ROOMS								
1 to 3 rooms	13	4	—	9	7	—	7	—
4 rooms	38	11	13	14	20	16	—	4
5 rooms	48	18	5	25	69	38	18	13
6 rooms	51	22	22	7	125	67	42	16
7 rooms or more	38	16	11	11	15	5	8	2
8 rooms					8	8	—	—
9 rooms or more					4	4	—	—
PLUMBING FACILITIES								
With all plumbing facilities	183	71	51	61	245	138	72	35
Lacking some or all plumbing facilities	5	—	—	5	3	—	3	—
BEDROOMS								
None and 1	31	16	—	15	15	—	15	—
2	30	15	15	15	127	103	—	24
3	57	15	27	7	46	31	15	—
4 or more	45	30	—	15	—	—	—	—
YEAR STRUCTURE BUILT								
1969 to March 1970	37	16	7	14	65	54	7	4
1960 to 1968	27	13	4	4	30	23	7	—
1950 to 1959	36	10	21	5	24	17	7	—
1949 or earlier	88	32	19	37	129	44	54	31
UNITS IN STRUCTURE								
1	174	71	51	52	26	18	4	4
2 or more	14	—	—	14	68	37	19	12
HEATING EQUIPMENT								
Steam or hot water	92	38	20	34	17	3	19	11
Warm-air furnace	63	29	17	17	33	36	10	—
Built-in electric units	11	4	7	—	46	44	23	6
Floor, wall, or pipeless furnace	4	—	4	—	75	—	—	—
Other means	15	—	3	12	—	—	—	—
None	3	—	—	3	—	—	—	—
SALES PRICE ASKED								
Specified vacant for sale ¹	174	71	51	52	248	138	75	35
less than \$5,000	13	—	4	9	22	15	3	4
\$5,000 to \$9,999	27	4	9	14	13	2	6	5
\$10,000 to \$14,999	14	7	3	4	29	12	17	—
\$15,000 to \$19,999	75	35	21	19	23	13	4	6
\$20,000 to \$24,999	31	25	3	3	13	—	—	—
\$25,000 to \$34,999	—	—	—	—	46	28	14	4
\$35,000 to \$49,999	10	—	7	3	44	28	20	16
\$50,000 or more	4	—	4	—	38	27	11	—
Median price asked	\$17,200	...	...	...	\$136	\$135	...	...

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 E-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]

Warwick	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	174	40	14	75	31	—	14	248	35	29	23	59	64	38
PLUMBING FACILITIES														
With all plumbing facilities	163	42	16	45	45	—	15	188	70	—	16	45	42	15
Lacking some or all plumbing facilities	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BEDROOMS														
None and 1	31	15	16	—	—	—	—	142	70	—	—	30	42	—
2	30	—	—	30	—	—	—	46	—	—	16	15	—	15
3	57	27	—	15	15	—	—	—	—	—	—	—	—	—
4 or more	45	—	—	—	30	—	—	—	—	—	—	—	—	—
YEAR STRUCTURE BUILT														
1969 to March 1970	37	—	—	21	9	—	7	65	14	—	—	8	21	22
1960 to 1968	27	4	4	9	7	—	3	30	—	4	—	10	8	8
1950 to 1959	36	—	4	24	4	—	4	24	—	4	—	20	—	—
1949 or earlier	74	36	6	21	11	—	—	129	21	25	19	21	35	8
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	26	—	8	6	8	4	—
2 to 4 .....	...	...	...	...	...	...	...	68	13	17	11	23	4	—
5 to 19 .....	...	...	...	...	...	...	...	79	22	4	6	24	23	—
20 or more .....	...	...	...	...	...	...	...	75	—	—	—	4	33	38
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	58	25	8	—	21	4	—
Some or no utilities included .....	...	...	...	...	...	...	...	190	10	21	23	38	60	36

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

USUAL PLACE OF RESIDENCE ..	App-1
COUNTIES	App-1
PLACES	App-1
STANDARD METROPOLITAN STATISTICAL AREAS	App-1

USUAL PLACE OF RESIDENCE

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

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

COUNTIES

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

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

PLACES

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

STANDARD METROPOLITAN STATISTICAL AREAS

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

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

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

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

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GENERAL

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

Comparability with 1960 data.—

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

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

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

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

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

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

LIVING QUARTERS

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house,

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

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

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

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

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

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have either direct access or complete kitchen facilities for exclusive use, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain four or fewer roomers unrelated to the head, they are classified as one housing unit; if the combined quarters contain five or more roomers unrelated to the head or person in charge, they are classified as group quarters. In a dormitory, residence hall, or similar place, living quarters of the supervisory staff and other employees are separate housing units if they satisfy the housing unit

criteria; other living quarters are considered group quarters.

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

OCCUPANCY AND VACANCY CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

Vacant housing units.—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. In addition, a vacant unit may be one which is occupied entirely by persons who have a usual residence elsewhere.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if unfit for human habitation; that is, if the roof, walls, windows, or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also

excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

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

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

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

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

Duration of vacancy.—(See facsimile of questionnaire item D on page App-10.) The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration. The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

UTILIZATION CHARACTERISTICS

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

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

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

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

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

Bedrooms.—(See facsimile of questionnaire item H26 on page App-12.) The number of bedrooms in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a hideaway bed, are not considered bedrooms. A housing unit consisting of only one room, such as one-room efficiency apartment, is classified, by definition, as having no bedroom.

STRUCTURAL AND PLUMBING CHARACTERISTICS

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

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

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

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

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

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

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

A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. Structures containing

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

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

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

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

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

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

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

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

EQUIPMENT, FUELS, AND APPLIANCES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FINANCIAL CHARACTERISTICS

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

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

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

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

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

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

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

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

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

HOUSEHOLD CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

Income in 1969.—Income is the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare income, and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, health insurance premiums, Medicare deductions, etc.

In this report, the statistics relate to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Incomes of persons living in the unit but not related to the head of the household are not included in this sum. Although the income statistics cover the calendar year 1969, the characteristics of the household refer to the time of enumeration (April 1970). Thus, the income of the family does not include amounts received by persons who were members of the family during all or part of the calendar year 1969 if these persons no longer resided with the family at the time of the census. On the other hand, family income includes amounts reported by related persons who did not reside with the family during 1969 but who were members of the family at the time of enumeration. For most families, however, the income reported was received by persons who were members of the family throughout 1969.

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

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

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

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

Receipts from the following sources were not included as income: Money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" such as food produced and consumed in the home or free living quarters; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts. (A more detailed discussion of income is given in the 1970 Population Census, PC(1)-C reports.)

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

<p>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>Answer these questions for your living quarters</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>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>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> <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> <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>(Nearest dollar) (Week, half-month, year, etc.)</p>	<p style="text-align: center;">FOR CENSUS ENUMERATOR'S USE ONLY</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">#4. Block number</th> <th style="width: 50%;">#5. Serial number</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>B. Type of unit or quarters</p> <p><u>Occupied</u></p> <p><input type="radio"/> First form</p> <p><input type="radio"/> Continuation</p> <p><u>Vacant</u></p> <p><input type="radio"/> Regular</p> <p><input type="radio"/> Usual residence elsewhere</p> <p><u>Group quarters</u></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><u>Year round—</u></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>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>	#4. Block number	#5. 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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FACSIMILES OF THE HOUSING PAGES IN THE 1970 CENSUS QUESTIONNAIRES
(Percent indicates sample size)

15 and 5 percent

<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 <input type="radio"/> No, included in rent <input type="radio"/> No, electricity not used <i>Average monthly cost</i></p> <p>b. Gas? <input type="radio"/> Yes, average monthly cost is \$ _____ .00 <input type="radio"/> No, included in rent <input type="radio"/> No, gas not used <i>Average monthly cost</i></p> <p>c. Water? <input type="radio"/> Yes, yearly cost is \$ _____ .00 <input type="radio"/> No, included in rent or no charge <i>Yearly cost</i></p> <p>d. Oil, coal, kerosene, wood, etc.? <input type="radio"/> Yes, yearly cost is \$ _____ .00 <input type="radio"/> No, included in rent <input type="radio"/> No, these fuels not used <i>Yearly cost</i></p>	<p>H19. Do you get water from—</p> <p><input type="radio"/> A public system (city water department, etc.) or private company? <input type="radio"/> An individual well? <input type="radio"/> Some other source (a spring, creek, river, cistern, etc.)?</p> <p>H20. Is this building connected to a public sewer? <input type="radio"/> Yes, connected to public sewer <input type="radio"/> No, connected to septic tank or cesspool <input type="radio"/> No, use other means</p> <p>H21. How many bathrooms do you have? <i>A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.</i> <i>A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</i></p> <p><input type="radio"/> No bathroom, or only a half bathroom</p> <p><input type="radio"/> 1 complete bathroom <input type="radio"/> 1 complete bathroom, plus half bath(s) <input type="radio"/> 2 complete bathrooms <input type="radio"/> 2 complete bathrooms, plus half bath(s) <input type="radio"/> 3 or more complete bathrooms</p>
<p>H14. How are your living quarters heated? <i>Fill one circle for the kind of heat you use most.</i></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</p> <p>In some other way—Describe _____</p> <p><input type="radio"/> None, unit has no heating equipment</p>	<p>H22. Do you have air-conditioning? <input type="radio"/> Yes, 1 individual room unit <input type="radio"/> Yes, 2 or more individual room units <input type="radio"/> Yes, a central air-conditioning system <input type="radio"/> No</p> <p>H23. How many passenger automobiles are owned or regularly used by members of your household? <i>Count company cars kept at home.</i></p> <p><input type="radio"/> None <input type="radio"/> 1 automobile <input type="radio"/> 2 automobiles <input type="radio"/> 3 automobiles or more</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 type="radio"/> 1940 to 1949 <input type="radio"/> 1960 to 1964 <input type="radio"/> 1939 or earlier</p>	
<p>H16. Which best describes this building? <i>Include all apartments, flats, etc., even if vacant.</i></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</p> <p>Other— <i>Describe</i> _____</p>	
<p>H17. Is this building—</p> <p><input type="radio"/> On a city or suburban lot?—Skip to H19 <input type="radio"/> On a place of less than 10 acres? <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) <input checked="" type="radio"/> \$2,500 to \$4,999 <input type="radio"/> \$50 to \$249 <input type="radio"/> \$5,000 to \$9,999 <input type="radio"/> \$250 to \$2,499 <input type="radio"/> \$10,000 or more</p>	

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?</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 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> <hr/> <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> <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 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 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> <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)</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>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 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> <hr/> <p>H25a. Which fuel is used most for cooking?</p> <p>Gas <input type="radio"/> From underground pipes serving the neighborhood.</p> <p>Gas <input type="radio"/> Bottled, tank, or LP</p> <p>Electricity <input type="radio"/></p> <p>Fuel oil, kerosene, etc. <input type="radio"/></p> <p>Coal or coke <input type="radio"/></p> <p>Wood <input type="radio"/></p> <p>Other fuel <input type="radio"/></p> <p>No fuel used <input type="radio"/></p> <hr/> <p>b. Which fuel is used most for house heating?</p> <p>Gas <input type="radio"/> From underground pipes serving the neighborhood.</p> <p>Gas <input type="radio"/> Bottled, tank, or LP</p> <p>Electricity <input type="radio"/></p> <p>Fuel oil, kerosene, etc. <input type="radio"/></p> <p>Coal or coke <input type="radio"/></p> <p>Wood <input type="radio"/></p> <p>Other fuel <input type="radio"/></p> <p>No fuel used <input type="radio"/></p> <hr/> <p>c. Which fuel is used most for water heating?</p> <p>Gas <input type="radio"/> From underground pipes serving the neighborhood.</p> <p>Gas <input type="radio"/> Bottled, tank, or LP</p> <p>Electricity <input type="radio"/></p> <p>Fuel oil, kerosene, etc. <input type="radio"/></p> <p>Coal or coke <input type="radio"/></p> <p>Wood <input type="radio"/></p> <p>Other fuel <input type="radio"/></p> <p>No fuel used <input type="radio"/></p> <hr/> <p>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 type="radio"/> 3 bedrooms</p> <p><input type="radio"/> 4 bedrooms</p> <p><input type="radio"/> 5 bedrooms or more</p> <hr/> <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 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> <hr/> <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> <hr/> <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>
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15 and 5 percent

5 percent

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

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

- A.** Mark only one circle. This address means the house or building number where your living quarters are located.
- H1.** Mark **Yes** and enter telephone number, even if the telephone is in another apartment or building.
- H2.** Mark the second circle only if you **must** go through someone else's living quarters to get to your own.
- H3.** The kitchen sink, stove, and refrigerator do **not** have to be in the same room.
Also used by another household means that someone else who lives in the same building, but is not a member of your household, also uses the equipment. Mark this circle also if the occupants of living quarters now vacant would also use the equipment.
- H4.** Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do **not** count kitchenettes, strip or pullman kitchens; utility rooms; or unfinished attics, basements, or other space used for storage.
- H5.** Mark **hot water** even if you have it only part of the time.
- H6, H7.** See instructions for H3 for meaning of **Also used by another household**.
- H8.** A house has a **basement** if there is enclosed space in which persons can walk upright under all or part of the building. A house on a **concrete slab** has no basement and no air or crawl space below it. A house built in **another way** is one directly on the ground or resting on a foundation or posts to provide crawl space.
- H9.** **Owned or being bought** means that the living quarters are owned outright or are mortgaged. Also mark **Owned or being bought** if the living quarters are owned but the land is rented.
 Mark **Rented for cash rent** if any money rent is paid. Rent may be paid by persons who are not members of your household.
Occupied without payment of cash rent includes, for example, a parsonage, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.
- H10.** A **commercial establishment** is easily recognized from the outside; for example, a grocery store or barber shop. A **medical office** is a doctor's or dentist's office regularly visited by patients. If your house is on a place of 10 acres or more **and** also contains a commercial establishment or medical office, mark **Yes, 10 acres or more**.
- H11.** Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house **and** the land.
- H12.** Report the rent agreed to or contracted for, even if the furnishings, utilities, or services are included.
 a. If you pay rent by the month, write in the amount of rent and fill one circle.
 b. If rent is **not** paid by the month, answer both parts of **b**. For example, \$20 per week, \$1,500 per year, etc.
- H13.** If exact costs are not known, estimate as closely as possible. Report amounts even if bills are unpaid or are paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ({) the two utilities.
- H14.** This question refers to the type of heating equipment and not to the fuel used.
 A **heat pump** is sometimes known as a **reverse cycle** system.
 A **floor, wall, or pipeless furnace** delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed. These furnaces do not have ducts leading to other rooms.
 Any heater that you plug into an electric outlet should be counted as a **portable room heater**--not a built-in electric unit.
- H16.** Count all occupied and vacant living quarters in the house or building, but not stores or office space.
Detached means there is open space on all sides, or the house is joined only to a shed or garage. **Attached** means that the house is joined to another house or building by at least one wall which goes from ground to roof.
- H17.** A **city or suburban lot** is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a **city or suburban lot**.
 A **place** is a farm, ranch, or any other property, other than a city or suburban lot, on which this **residence** is located.
- H18.** Fill the circle for the total (gross) amount of money received from the sales of crops, livestock, and other farm products produced on this place during the calendar year 1969.
- H19.** If a well provides water for six or more houses or apartments, mark a **public system**. If a well provides water for five or fewer houses or apartments, mark an **individual well**.
- H20.** A **public sewer** is operated by a government body or a private organization. A **septic tank** or **cesspool** is an underground tank or pit used for disposal of sewage.
- H22.** Count only equipment with a refrigeration unit to cool the air. Mark an **individual room unit** for air conditioners which are installed in a window or in an outside wall and are used to cool one or more rooms. Mark a **central system** for a central installation which cools the entire house or apartment.
- H23.** Do not count cars permanently out of working order. Also do not count taxicabs, pickups, or larger trucks.
- H24a.** Do not count a basement as a story.
 b. Do not count elevators used only for freight.
- H25.** **Gas from underground pipes** is piped in from a central system such as a public utility company or a municipal government. **Bottled, tank, or LP gas** is stored in tanks which are refilled or exchanged when empty. **Other fuel** includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.
- H27.** Mark the **Yes** circle whether you own the appliance or it is provided as part of the equipment in your living quarters. Do **not** count coin-operated equipment or appliances in storage.
- H28.** Count any set **equipped** to receive UHF (ultra high frequency) broadcasts, even if there are no such broadcasts in your area. Include sets that can be tuned directly to channels 14 to 83 **and** sets that receive UHF broadcasts by means of a converter. Also include sets that receive UHF broadcasts through a community antenna (CATV) or master antenna.
- H29.** A battery-operated radio is one that can be run on batteries and does not need to be plugged into an electric socket. Include battery-operated sets owned by any member of the household.
- H30.** Do **not** count vacation trailers, tents, or boats. Also do not count second homes used only for investment purposes.

Appendix C.—ACCURACY OF THE DATA

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SOURCES OF ERROR

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

EDITING OF UNACCEPTABLE DATA

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

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

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

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

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

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

SAMPLE DESIGN

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

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

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

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

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

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		

RATIO ESTIMATION

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

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

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

Group

Occupied housing units:

STAGE I

Male Head With Own Children Under 18

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

.

- 6 6-or-more-person household

Male Head Without Own Children Under 18

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

Female Head

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

STAGE II

Owner Occupied

- 19 Negro
- 20 Not Negro

Renter Occupied

- 21 Negro
- 22 Not Negro

Vacant housing units:

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

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

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

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

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

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

SAMPLING VARIABILITY

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

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

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

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

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

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

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

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

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

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

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

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

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, 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.



OFFICIAL BUSINESS

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