

UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION



# Metropolitan Housing Characteristics

LANCASTER, PA.  
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-108

## 1970 CENSUS OF HOUSING



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

BUREAU OF  
THE CENSUS

# U. S. DEPARTMENT OF COMMERCE

**Peter G. Peterson, Secretary**

**James T. Lynn, Under Secretary**

**Harold C. Passer, Assistant Secretary for Economic Affairs  
and Administrator,**

## **Social and Economic Statistics Administration**

### **BUREAU OF THE CENSUS**

**George Hay Brown, Director**

**Robert L. Hagan, Acting Deputy Director**

**Conrad Taeuber, Associate Director**

**Daniel B. Levine, Acting Deputy Associate Director**

**David L. Kaplan, 1970 Census Coordinator**

### **HOUSING DIVISION**

**Arthur F. Young, Chief**

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

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

The procedures for sample selection, sample weighting, and computation of sampling variances were developed in the Statistical Methods Division, under the supervision of **Morton Boisen**, Acting Chief, and **Robert H. Hanson** and **Walter M. Perkins**, Assistant Division Chiefs, assisted by **William T. Alsbrooks**, **Peter A. Boumpane**, **Barbara A. Boyes**, and **Carlton W. Pruden**.

Geographic plans and procedures were developed in the Geography Division under the supervision of **William T. Fay**, then Chief, and **Robert C. Klove** and **Gerald J. Post**, Assistant Division Chiefs.

Data collection activities were administered by the Field Division, **Richard C. Burt**,

Chief, and **Dean H. Weber**, Assistant Division Chief, with the assistance of the directors of the Bureau's data collection centers.

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

The manual processing and microfilming of the questionnaires and the review of tabulation controls were performed in the Data Preparation Division (formerly Jeffersonville Census Operations Division), under the direction of **Robert L. Hagan**, then Chief, with the assistance of **Rex L. Pullin**. **William L. Pangburn** supervised the microfilming operation. **Dan N. Harding**, assisted by **Nora H. Shouse**, was responsible for the tabulation review work, in which **Peter J. Fronczek** also made important contributions.

FOSDIC and computer processing were performed in the Computer Services Division under the supervision of **James R. Pepal**, Chief, and **E. Richard Bourdon** and **James W. Shores**, Assistant Division Chiefs. Development of the FOSDIC equipment was directed by **William M. Gaines**, Assistant

Division Chief, and **McRae Anderson**. Development of the automatic microfilming equipment was directed by **Anthony A. Berlinsky**.

Publications planning, editing, composition, and printing procurement were performed in the Publications Services Division, under the direction of **Raymond J. Koski**, Acting Chief, by **Milton S. Andersen**, **Gerald A. Mann**, and **Wayne H. Massey**.

Important contributions were made by **Robert B. Voight** and **Sherry L. Courtland** in the planning and coordination of the 1970 census program; by **Lucille D. Catterton** in the planning of the tabular materials; and by **John W. H. Spencer**, **Sol Dolleck**, and **M. Douglas Fahey** in the systems design and operations for processing the census data.

### **SUGGESTED CITATION**

U.S. Bureau of the Census  
Census of Housing: 1970  
**METROPOLITAN HOUSING  
CHARACTERISTICS**  
Final Report HC(2)-108  
Lancaster, Pa. SMSA  
U.S. Government Printing Office  
Washington, D.C. 1972

For sale by the  
Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402, or any  
Department of Commerce Field Office.

Price 55 cents

**1970  
CENSUS OF  
HOUSING**

Metropolitan  
Housing  
Characteristics

**LANCASTER, PA.  
STANDARD METROPOLITAN  
STATISTICAL AREA**

---

For list of contents see page VIII

---

Table

1, 11, 19	VALUE
2, 12, 20	GROSS RENT
3, 13, 21	INCOME IN 1969
4, 14, 22	PLUMBING FACILITIES BY PERSONS PER ROOM
5, 15, 23	ROOMS
6, 16, 24	UNITS IN STRUCTURE
7, 17, 25	HOUSEHOLD COMPOSITION
8, 18, 26	PERSONS
9	DURATION OF VACANCY
10	SALES PRICE ASKED AND RENT ASKED

---

## LIST OF HC(2) REPORTS

Report number	Area	Report number	Area	Report number	Area
1	United States and Regions	43	Chattanooga, Tenn.-Ga. SMSA	85	Greensboro-Winston-Salem-High Point, N.C. SMSA
2	Abilene, Tex. SMSA	44	Chicago, Ill. SMSA	86	Greenville, S.C. SMSA
3	Akron, Ohio SMSA	45	Cincinnati, Ohio-Ky.-Ind. SMSA	87	Hamilton-Middletown, Ohio SMSA
4	Albany, Ga. SMSA	46	Cleveland, Ohio SMSA	88	Harrisburg, Pa. SMSA
5	Albany-Schenectady-Troy, N.Y. SMSA	47	Colorado Springs, Colo. SMSA	89	Hartford, Conn. SMSA
6	Albuquerque, N. Mex. SMSA	48	Columbia, Mo. SMSA	90	Honolulu, Hawaii SMSA
7	Allentown-Bethlehem-Easton, Pa.-N.J. SMSA	49	Columbia, S.C. SMSA	91	Houston, Tex. SMSA
8	Altoona, Pa. SMSA	50	Columbus, Ga.-Ala. SMSA	92	Huntington-Ashland, W. Va.-Ky.-Ohio SMSA
9	Amarillo, Tex. SMSA	51	Columbus, Ohio SMSA	93	Huntsville, Ala. SMSA
10	Anaheim-Santa Ana-Garden Grove, Calif. SMSA	52	Corpus Christi, Tex. SMSA	94	Indianapolis, Ind. SMSA
11	Anderson, Ind. SMSA	53	Dallas, Tex. SMSA	95	Jackson, Mich. SMSA
12	Ann Arbor, Mich. SMSA	54	Danbury, Conn. SMSA	96	Jackson, Miss. SMSA
13	Appleton-Oshkosh, Wis. SMSA	55	Davenport-Rock Island-Moline, Iowa-Ill. SMSA	97	Jacksonville, Fla. SMSA
14	Asheville, N.C. SMSA	56	Dayton, Ohio SMSA	98	Jersey City, N.J. SMSA
15	Atlanta, Ga. SMSA	57	Decatur, Ill. SMSA	99	Johnstown, Pa. SMSA
16	Atlantic City, N.J. SMSA	58	Denver, Colo. SMSA	100	Kalamazoo, Mich. SMSA
17	Augusta, Ga.-S.C. SMSA	59	Des Moines, Iowa SMSA	101	Kansas City, Mo.-Kans. SMSA
18	Austin, Tex. SMSA	60	Detroit, Mich. SMSA	102	Kenosha, Wis. SMSA
19	Bakersfield, Calif. SMSA	61	Dubuque, Iowa SMSA	103	Knoxville, Tenn. SMSA
20	Baltimore, Md. SMSA	62	Duluth-Superior, Minn.-Wis. SMSA	104	La Crosse, Wis. SMSA
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-Milville-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
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>										
Year moved into unit .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Duration of vacancy .....	—	—	—	9 <sup>1</sup>	9	9	—	—	—	9
<b>UTILIZATION CHARACTERISTICS</b>										
Number of rooms .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	5, 15*, 23†	—	6, 16*, 24†	—	5, 15*, 23†	9	—
Size of household (persons) .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	8, 18*, 26†	8, 18*, 26†	—	—	—
Number of bedrooms .....	1, 11*	2, 12*	3, 13*	—	5, 15*	6, 16*	—	8, 18*	9	10
Persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
<b>PLUMBING CHARACTERISTICS</b>										
Plumbing facilities .....	—	—	—	—	—	—	—	—	9	10
Plumbing facilities by persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
Complete bathrooms .....	1, 11*, 19†	2, 12*, 20†	—	—	5, 15*, 23†	—	—	8, 18*, 26†	—	—
<b>STRUCTURAL CHARACTERISTICS</b>										
Units in structure .....	—	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	—	7, 17*, 25†	8, 18*, 26†	9	10
Year structure built .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	6, 16*, 24†	—	8, 18*, 26†	9	10
Elevator in structure .....	—	2, 12*	—	—	—	—	—	—	—	—
<b>EQUIPMENT AND APPLIANCES</b>										
Heating equipment .....	1, 11*, 19†	—	—	4, 14*, 22†	—	6, 16*, 24†	—	—	9	—
Air conditioning .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Automobiles available .....	—	—	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Second home .....	—	—	3, 13*	—	—	—	—	—	—	—
Automatic clothes washing machine .....	—	—	3, 13*	—	—	—	—	—	—	—
Clothes dryer .....	—	—	3, 13*	—	—	—	—	—	—	—
Dishwasher .....	—	—	3, 13*	—	—	—	—	—	—	—
Home food freezer .....	—	—	3, 13*	—	—	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>										
Value .....	—	—	1, 11*, 19†	1, 11*, 19†	1, 11*, 19†	—	1, 11*, 19†	1, 11*, 19†	—	—
Value-income ratio .....	—	—	—	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent .....	—	—	2, 12*, 20†	2, 12*, 20†	2, 12*, 20†	6, 16*, 24†	7, 17*, 25†	2, 12*, 20†	—	—
Gross rent as percentage of income .....	—	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent as percentage of income by income .....	—	2	—	—	—	—	—	—	—	—
Sales price asked .....	—	—	—	10 <sup>1</sup>	—	—	—	—	9	—
Rent asked .....	—	—	—	10 <sup>1</sup>	—	10	—	—	9	—
Inclusion of utilities in rent .....	—	—	—	—	—	—	—	—	—	10
<b>HOUSEHOLD CHARACTERISTICS</b>										
Household composition by age of head .....	1, 11*, 19†	7, 17*, 25†	7, 17*, 25†	7, 17*, 25†	—	7, 17*, 25†	—	8, 18*, 26†	—	—
Income in 1969 .....	1, 11*, 19†	2, 12*, 20†	—	4, 14*, 22†	3, 13*, 21†	6, 16*, 24†	7, 17*, 25†	3, 13*, 21†	—	—

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

## INTRODUCTION

## APPENDIXES

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

GENERAL .....	V
Organization of the text .....	V
Content of the tables .....	V
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  
**Lancaster, Pa.**  
 STANDARD METROPOLITAN STATISTICAL AREA

[Page numbers listed here omit the SMSA prefix number which appears as part of the page number for each page. The prefix for this SMSA is 108.]

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	—	—
Lancaster .....	B	10 to 18	—	—

**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 Puerto Rican birth or parentage]

**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 Puerto Rican Birth or Parentage: 1970

---

- 20 Gross Rent of Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970

---

- 21 Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970

---

- 22 Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970

---

- 23 Rooms in Owner and Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970

---

- 24 Units in Structure for Owner and Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970

---

- 25 Household Composition for Owner and Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970

---

- 26 Persons in Owner and Renter Occupied Housing Units With Household Head of Puerto Rican Birth or Parentage: 1970



**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)
<b>Specified renter occupied<sup>1</sup></b>	28 104	1 274	1 309	2 257	3 066	6 737	4 659	3 830	2 283	668	96	1 925	95
<b>ROOMS</b>													
1 room	803	370	94	82	53	44	16	62	20	-	-	62	50
2 rooms	1 330	201	215	259	164	194	70	103	50	-	-	74	68
3 rooms	5 453	275	408	801	890	1 486	531	665	206	29	-	162	83
4 rooms	7 277	190	277	619	909	1 172	949	807	754	130	20	331	94
5 rooms	4 821	105	123	263	509	1 373	1 191	630	445	150	9	265	99
6 rooms	4 865	84	120	183	333	1 068	1 191	653	455	189	20	349	108
7 rooms	1 898	28	55	30	131	275	438	390	198	73	36	244	114
8 rooms or more	1 457	21	17	20	77	209	292	320	155	97	11	438	118
Median	4.3	2.7	3.3	3.5	4.0	4.3	5.1	4.9	4.8	5.6	...	5.7	...
<b>PERSONS</b>													
1 person	7 503	901	746	1 133	1 092	1 538	546	636	298	39	5	569	76
2 persons	7 783	212	319	574	916	2 048	1 362	1 017	637	139	35	524	96
3 persons	5 189	55	109	287	501	1 455	1 076	681	549	161	14	301	101
4 persons	3 365	31	59	107	274	780	756	635	345	133	12	233	108
5 persons	2 222	18	52	59	152	495	426	431	285	145	21	138	112
6 persons or more	2 042	57	24	97	131	421	493	430	169	51	9	160	109
Median	2.3	1.2	1.4	1.5	2.0	2.4	2.9	2.9	2.9	3.5	...	2.3	...
Units with roomers, boarders, or lodgers	751	34	32	37	42	137	156	153	66	22	5	67	108
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	26 079	792	1 037	1 977	2 887	6 480	4 574	3 765	2 262	658	86	1 561	97
0.50 or less	13 524	486	800	1 359	1 627	3 252	2 013	1 594	1 014	310	54	1 015	91
0.51 to 1.00	11 287	273	218	539	1 141	2 908	2 300	1 983	1 079	330	23	493	103
1.01 to 1.50	1 037	27	19	54	101	247	212	165	149	18	9	36	105
1.51 or more	231	6	-	25	18	73	49	23	20	-	-	17	92
<b>Lacking some or all plumbing facilities</b>	2 025	482	272	280	179	257	85	65	21	10	10	364	63
0.50 or less	998	207	128	134	98	101	26	31	17	-	-	256	63
0.51 to 1.00	819	244	105	105	52	134	47	11	-	6	10	105	61
1.01 to 1.50	145	22	13	41	14	22	12	17	-	4	4	-	69
1.51 or more	63	9	26	-	15	-	-	6	4	-	-	3	...
<b>BEDROOMS</b>													
None	1 176	447	202	54	111	137	-	127	43	-	-	55	56
1	8 271	388	649	1 349	1 369	2 223	799	970	266	-	-	258	82
2	9 177	147	227	622	1 057	2 820	1 537	954	1 035	272	-	506	96
3 or more	9 353	220	122	293	598	1 501	2 114	1 716	1 009	539	86	1 155	113
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	672	9	6	-	5	62	53	112	268	123	6	28	164
1965 to 1968	2 434	122	28	37	30	192	147	746	788	230	21	93	145
1960 to 1964	1 533	23	39	11	39	164	225	432	354	111	10	125	134
1950 to 1959	1 817	59	35	105	135	374	352	329	200	42	11	175	106
1940 to 1949	1 962	57	41	127	208	584	416	299	141	6	4	79	97
1939 or earlier	19 686	1 004	1 160	1 977	2 649	5 361	3 466	1 912	532	156	44	1 425	88
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	440	104	38	66	44	53	-	58	58	19	-	-	73
With elevator	260	66	17	26	-	16	-	58	58	19	-	-	...
Walk-up	180	38	21	40	44	37	-	-	-	-	-	-	...
1 to 3 floors	27 537	1 098	1 162	2 252	3 091	6 628	4 450	3 709	2 295	792	86	1 974	96
<b>COMPLETE BATHROOMS</b>													
1 and 1/2	24 778	763	997	1 947	2 814	6 353	4 432	3 786	1 900	418	47	1 321	96
2 or more	991	12	13	14	7	69	84	55	324	210	37	166	174
None or also used by another household	2 395	502	328	288	238	355	150	84	17	15	12	406	66
<b>INCOME IN 1969</b>													
Less than \$2,000	3 986	502	375	562	464	664	405	348	177	63	6	420	77
\$2,000 to \$2,999	1 935	143	146	251	242	532	279	144	38	4	-	156	84
\$3,000 to \$3,999	1 953	120	170	220	266	472	231	211	115	20	10	118	85
\$4,000 to \$4,999	2 027	114	93	231	270	493	261	278	102	-	-	185	88
\$5,000 to \$5,999	2 434	112	140	204	328	692	366	235	160	20	9	168	89
\$6,000 to \$6,999	2 599	51	88	195	269	762	447	402	135	47	5	198	96
\$7,000 to \$9,999	6 333	156	193	359	694	1 751	1 319	989	467	135	25	245	99
\$10,000 to \$14,999	5 177	54	81	192	445	1 145	1 103	887	778	210	10	272	110
\$15,000 to \$24,999	1 458	16	23	40	78	203	237	311	272	132	15	131	126
\$25,000 or more	202	6	-	3	10	23	11	25	39	37	16	32	159
Median	\$6 800	\$2 900	\$3 800	\$4 400	\$5 900	\$6 700	\$7 800	\$7 900	\$9 700	\$11 100	...	\$5 500	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	9 483	240	254	508	794	2 201	1 671	1 852	1 229	414	26	274	107
1968	4 259	184	128	317	416	1 048	846	684	389	108	-	141	99
1967	2 572	86	104	205	287	693	456	388	224	27	7	95	91
1965 and 1966	3 601	172	214	328	411	966	603	439	234	58	17	159	91
1960 to 1964	3 580	176	229	365	504	893	629	366	117	15	8	278	97
1950 to 1959	2 908	185	230	395	460	693	314	131	34	21	19	426	79
1949 or earlier	1 761	214	181	131	187	283	147	65	14	-	19	520	75
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
is than 10 percent	3 241	391	295	427	587	829	415	204	64	24	5	...	79
to 14 percent	6 308	213	266	474	872	1 977	1 306	763	326	100	11	...	93
to 19 percent	4 992	128	154	305	474	1 353	1 084	843	567	84	-	...	102
to 24 percent	2 983	88	119	193	232	687	544	571	394	144	11	...	106
to 34 percent	2 887	136	97	218	286	618	446	578	383	121	4	...	104
35 percent or more	5 457	269	355	613	553	1 204	829	840	544	191	59	...	95
Not computed	2 236	49	23	27	62	69	35	31	5	4	6	1 925	79
<b>AIR CONDITIONING</b>													
Room unit(s)	6 395	131	238	343	599	1 434	1 008	1 165	895	157	28	397	105
Central system	1 609	-	-	-	-	26	49	490	722	270	21	31	166
None	20 160	1 146	1 100	1 906	2 460	5 317	3 609	2 270	624	216	47	1 465	90

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

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

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

The SMSA	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
<b>Owner occupied housing units</b>	<b>67 320</b>	<b>4 354</b>	<b>2 635</b>	<b>2 593</b>	<b>2 634</b>	<b>3 354</b>	<b>3 818</b>	<b>14 407</b>	<b>20 475</b>	<b>10 216</b>	<b>2 834</b>	<b>10 000</b>
<b>ROOMS</b>												
1 and 2 rooms	351	72	27	47	35	47	24	46	39	14	-	4 800
3 rooms	1 394	322	162	135	95	118	105	228	160	49	20	4 800
4 rooms	6 420	669	401	362	442	490	426	1 687	1 622	284	37	7 700
5 rooms	14 017	849	434	593	535	793	892	3 468	4 614	1 640	199	9 500
6 rooms	20 613	1 258	834	756	771	912	1 154	4 744	6 681	2 992	511	9 900
7 rooms or more	24 525	1 184	777	700	756	994	1 217	4 234	7 359	5 237	2 067	11 600
<b>PERSONS</b>												
1 person	7 100	2 454	969	816	651	615	430	706	309	103	47	3 200
2 persons	20 893	1 280	1 286	1 268	1 257	1 452	1 545	4 634	5 161	2 163	847	8 500
3 and 4 persons	24 512	398	234	304	480	823	1 181	5 974	9 322	4 702	1 094	11 500
5 persons	7 358	89	58	74	87	230	372	1 610	2 973	1 506	359	11 900
6 persons or more	7 457	133	88	131	159	234	290	1 483	2 710	1 742	487	12 200
Units with roomers, boarders, or lodgers	1 304	298	67	99	75	105	137	229	230	60	4	6 100
<b>BEDROOMS</b>												
Less than 3	17 402	1 744	851	1 198	1 023	1 341	1 136	4 230	4 049	1 595	235	8 000
3	34 028	1 778	1 078	1 139	963	1 183	2 171	8 001	11 304	5 344	1 067	10 300
4 or more	15 890	869	545	462	567	501	639	2 583	4 704	3 604	1 416	11 900
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	1 647	42	10	42	49	71	121	400	563	278	71	10 800
1960 to 1968	13 555	424	164	348	326	446	593	3 193	4 887	2 472	702	11 300
1950 to 1959	14 818	637	419	417	434	567	676	3 067	5 206	2 705	690	11 100
1949 or earlier	37 300	3 251	2 042	1 786	1 825	2 270	2 428	7 747	9 819	4 761	1 371	9 000
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	5 730	226	127	140	196	274	324	1 466	2 092	683	202	10 300
1968	4 209	161	32	114	137	207	195	1 121	1 479	635	128	10 500
1960 to 1967	24 035	868	487	566	638	1 061	1 388	5 783	8 499	3 820	925	10 700
1959 or earlier	33 346	3 061	2 042	1 662	1 710	1 911	1 856	5 802	8 660	5 014	1 628	9 300
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	46 352	1 675	1 054	1 397	1 013	1 790	2 278	10 342	15 667	8 876	2 260	11 200
Clothes dryer	37 015	769	522	894	660	1 222	1 609	7 944	13 336	7 866	2 193	11 800
Dishwasher	11 122	72	55	151	128	220	220	1 423	3 882	3 296	1 625	14 200
Home food freezer	29 135	1 269	685	1 122	1 051	1 439	1 439	6 061	9 343	5 279	1 665	10 900
Owned second home	2 799	137	56	131	41	38	91	423	970	663	249	12 500
With air conditioning	22 450	847	514	644	602	877	916	4 097	7 254	4 847	1 852	11 900
Room unit(s)	19 528	761	461	598	561	800	835	3 689	6 522	4 084	1 217	11 600
Central system	2 922	86	53	46	41	77	81	408	732	763	635	14 600
Automobiles available:												
1	29 505	1 742	1 349	1 410	1 587	2 169	2 397	7 768	8 180	2 362	541	8 600
2	25 201	294	252	280	454	692	882	5 135	10 279	5 380	1 553	12 200
3 or more	5 583	19	37	27	59	88	93	515	1 772	2 221	752	15 800
<b>Renter occupied housing units</b>	<b>30 439</b>	<b>4 186</b>	<b>2 034</b>	<b>2 076</b>	<b>2 214</b>	<b>2 627</b>	<b>2 836</b>	<b>6 848</b>	<b>5 657</b>	<b>1 681</b>	<b>280</b>	<b>6 700</b>
<b>ROOMS</b>												
1 room	814	243	98	85	93	76	58	94	53	14	-	3 800
2 rooms	1 354	441	179	123	122	136	98	134	106	10	5	3 500
3 rooms	5 479	1 146	581	517	441	530	525	1 038	579	97	25	5 100
4 rooms	7 407	1 040	534	568	585	633	799	1 598	1 304	316	30	6 400
5 rooms	5 040	542	279	296	340	461	466	1 237	1 058	314	47	7 300
6 rooms or more	10 345	774	363	487	633	791	890	2 747	2 557	930	173	8 300
<b>PERSONS</b>												
1 person	7 594	2 513	1 034	862	735	665	579	820	274	89	23	3 300
2 persons	8 167	728	504	559	627	782	795	1 838	1 798	470	66	7 100
3 and 4 persons	9 425	615	378	450	507	847	935	2 639	2 268	679	107	8 100
5 persons	2 589	176	37	129	141	142	173	858	723	187	23	8 700
6 persons or more	2 664	154	81	76	204	191	354	693	594	256	61	8 200
Units with roomers, boarders, or lodgers	820	248	73	81	111	60	48	117	54	16	12	4 100
<b>BEDROOMS</b>												
None	1 176	306	151	163	129	121	143	58	105	-	-	3 800
1	8 350	1 882	933	943	668	1 017	702	1 139	835	177	54	4 600
2	9 424	1 251	297	563	737	897	1 058	2 448	1 607	511	55	6 900
3 or more	11 489	824	441	503	816	728	910	3 252	2 838	998	179	8 400
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	705	73	29	43	34	32	64	135	211	69	15	8 700
1960 to 1968	4 090	434	185	239	243	296	443	777	976	407	90	7 800
1950 to 1959	1 914	182	115	71	145	201	99	530	437	124	10	7 800
1949 or earlier	23 730	3 497	1 705	1 723	1 792	2 098	2 230	5 406	4 033	1 081	165	6 500
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	10 048	1 304	645	689	741	1 055	1 027	2 243	1 762	503	79	6 600
1968	4 499	494	243	280	347	385	407	1 168	889	270	16	7 200
1960 to 1967	10 566	1 340	698	685	665	719	1 083	2 525	2 135	602	114	7 100
1959 or earlier	5 326	1 009	527	436	428	429	360	876	910	285	66	5 600
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup>	28 104	3 986	1 935	1 953	2 027	2 434	2 599	6 333	5 177	1 458	202	6 700
Less than 15 percent	9 549	14	15	66	150	391	579	3 167	3 769	1 228	170	10 500
15 to 19 percent	4 992	9	65	172	362	689	923	1 876	861	79	-	7 400
20 to 24 percent	2 983	36	98	302	462	633	474	680	282	16	-	5 900
25 to 34 percent	2 887	129	380	675	593	424	356	299	27	4	-	4 400
35 percent or more	5 457	3 067	1 221	620	275	129	69	66	10	-	-	2000-
Not computed	2 236	731	156	118	185	168	198	245	272	131	32	4 600
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	12 155	839	394	502	724	861	1 166	3 357	3 207	964	141	8 400
Clothes dryer	8 199	457	163	315	459	418	794	2 111	2 457	867	158	9 100
Dishwasher	2 655	163	78	105	147	98	226	460	861	439	78	10 300
Home food freezer	5 500	177	127	259	368	276	391	1 478	1 672	658	94	9 300
Owned second home	712	60	56	-	80	33	18	83	204	156	22	10 600
With air conditioning	8 221	695	357	493	429	599	736	1 854	2 119	828	111	8 300
Room unit(s)	6 563	575	341	438	385	490	599	1 486	1 628	554	67	7 900
Central system	1 658	120	16	55	44	109	137	491	491	274	44	9 800
Automobiles available:												
1	14 901	1 139	681	881	1 197	1 681	1 847	4 324	2 526	512	113	7 000
2	6 620	238	131	143	156	329	486	1 637	2 555	828	117	10 400
3 or more	1 023	98	32	24	59	21	39	124	359	241	26	11 600

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



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

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

The SMSA	With all plumbing facilities					Lacking some or all plumbing facilities					
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
<b>Owner occupied housing units</b> .....	<b>67 320</b>	<b>64 473</b>	<b>36 647</b>	<b>25 550</b>	<b>2 079</b>	<b>197</b>	<b>2 847</b>	<b>1 698</b>	<b>843</b>	<b>206</b>	<b>100</b>
<b>PERSONS</b>											
1 person .....	7 100	6 456	6 430	26	—	—	644	626	18	—	—
2 persons .....	20 893	20 116	19 463	647	—	6	777	697	75	—	5
3 persons .....	12 229	11 857	7 826	4 014	17	—	372	248	124	—	—
4 persons .....	12 283	11 998	2 218	9 717	57	6	285	104	168	7	6
5 persons .....	7 358	7 174	710	6 246	192	26	184	23	144	13	4
6 persons or more .....	7 457	6 872	—	4 900	1 813	159	585	—	314	186	85
Median .....	3.0	3.0	2.1	4.3	6.8	7.5+	2.5	1.8	4.8	7.5+	7.5+
Units with roomers, boarders, or lodgers .....	1 304	1 205	629	485	67	24	99	51	43	5	—
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 .....	1 629	1 596	831	742	23	—	33	21	7	—	5
1965 to 1968 .....	6 585	6 484	2 780	3 473	210	21	101	52	35	7	7
1960 to 1964 .....	6 877	6 781	3 169	3 293	288	31	96	44	46	6	—
1950 to 1959 .....	14 819	14 598	7 498	6 487	565	48	221	101	61	29	30
1940 to 1949 .....	5 653	5 419	3 137	2 112	163	7	234	148	44	34	8
1939 or earlier .....	31 757	29 646	18 998	9 723	807	118	2 111	1 340	576	124	71
<b>INCOME IN 1969</b>											
Less than \$2,000 .....	4 354	3 726	3 309	368	37	12	628	528	88	6	6
\$2,000 to \$2,999 .....	2 635	2 288	2 041	225	22	—	347	262	70	5	10
\$3,000 to \$3,999 .....	2 593	2 359	1 982	354	17	6	234	168	55	5	6
\$4,000 to \$4,999 .....	2 634	2 396	1 920	448	28	—	238	163	61	3	11
\$5,000 to \$5,999 .....	3 354	3 172	2 266	819	78	9	182	85	64	23	10
\$6,000 to \$6,999 .....	3 818	3 623	2 288	1 186	117	32	195	120	64	11	—
\$7,000 to \$9,999 .....	14 407	13 971	7 204	6 212	521	34	436	182	166	67	21
\$10,000 to \$14,999 .....	20 475	20 064	9 117	10 064	812	73	409	139	188	56	26
\$15,000 to \$24,999 .....	10 216	10 073	4 759	4 889	401	24	143	32	77	24	10
\$25,000 or more .....	2 834	2 799	1 761	985	46	7	35	19	10	6	—
Median .....	\$10 000	\$10 200	\$8 900	\$11 600	\$11 400	\$10 400	\$4 900	\$3 400	\$7 400	\$9 200	\$8 000
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup> .....	53 644	52 156	30 102	20 450	1 484	120	1 488	992	342	90	64
Less than 1.5 .....	22 100	21 375	10 616	9 888	787	84	725	332	259	75	59
1.5 to 1.9 .....	10 607	10 455	5 419	4 634	379	23	152	129	23	—	—
2.0 to 2.4 .....	6 769	6 679	3 699	2 837	133	10	90	66	9	15	—
2.5 to 2.9 .....	3 989	3 941	2 547	1 290	101	3	48	34	9	—	5
3.0 to 3.9 .....	4 023	3 881	2 700	1 117	64	—	142	127	15	—	—
4.0 or more .....	5 840	5 558	4 873	665	20	—	282	260	22	—	—
Not computed .....	316	267	248	19	—	—	49	44	5	—	—
<b>HEATING EQUIPMENT</b>											
Steam or hot water .....	27 209	26 811	16 722	9 377	655	57	398	260	105	22	11
Warm-air furnace .....	26 815	26 316	14 209	11 104	908	95	499	349	131	14	5
Built-in electric units .....	6 097	6 029	2 883	3 024	109	13	68	47	10	5	6
Floor, wall, or pipeless furnace .....	2 071	1 938	1 215	626	93	4	133	97	24	12	—
Other means .....	5 103	3 369	1 608	1 419	314	28	1 734	935	573	148	78
None .....	25	10	10	—	—	—	15	10	—	5	—
<b>Renter occupied housing units</b> .....	<b>30 439</b>	<b>27 961</b>	<b>14 383</b>	<b>12 190</b>	<b>1 136</b>	<b>252</b>	<b>2 478</b>	<b>1 198</b>	<b>1 004</b>	<b>206</b>	<b>70</b>
<b>PERSONS</b>											
1 person .....	7 594	6 669	6 245	424	—	—	925	610	315	—	—
2 persons .....	8 167	7 738	5 618	2 087	—	33	429	350	65	—	14
3 persons .....	5 610	5 266	1 859	3 370	37	—	344	187	158	9	10
4 persons .....	3 815	3 615	498	3 012	83	22	200	34	148	9	9
5 persons .....	2 589	2 386	163	1 901	259	63	203	17	161	17	8
6 persons or more .....	2 664	2 287	—	1 396	757	134	377	—	177	171	29
Median .....	2.4	2.4	1.7	3.6	6.1	5.9	2.2	1.5	3.4	7.5	—
Units with roomers, boarders, or lodgers .....	820	720	180	458	50	32	100	41	38	16	5
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 .....	684	676	302	344	24	6	8	8	—	—	—
1965 to 1968 .....	2 451	2 410	1 171	1 112	76	51	41	21	12	8	—
1960 to 1964 .....	1 674	1 649	735	836	72	6	25	17	—	—	8
1950 to 1959 .....	2 047	1 962	905	956	95	6	85	36	39	—	10
1940 to 1949 .....	1 947	1 796	872	844	68	12	151	74	46	24	7
1939 or earlier .....	21 636	19 422	10 475	8 019	783	145	2 214	1 136	888	155	35
<b>INCOME IN 1969</b>											
Less than \$2,000 .....	4 186	3 480	2 445	892	111	32	706	496	171	19	20
\$2,000 to \$2,999 .....	2 034	1 820	1 234	515	66	5	214	147	61	6	—
\$3,000 to \$3,999 .....	2 076	1 843	1 253	520	58	12	233	90	111	22	10
\$4,000 to \$4,999 .....	2 214	1 967	1 185	703	63	16	247	74	156	10	7
\$5,000 to \$5,999 .....	2 627	2 427	1 301	1 033	80	13	200	95	72	29	4
\$6,000 to \$6,999 .....	2 836	2 630	1 254	1 228	97	51	206	80	67	44	15
\$7,000 to \$9,999 .....	6 848	6 488	2 692	3 434	326	36	360	110	181	59	10
\$10,000 to \$14,999 .....	5 657	5 419	2 206	2 936	228	49	238	60	157	17	4
\$15,000 to \$24,999 .....	1 681	1 617	679	833	73	32	64	41	23	—	—
\$25,000 or more .....	280	270	134	96	34	6	10	5	5	—	—
Median .....	\$6 700	\$6 900	\$5 800	\$8 100	\$7 900	\$6 900	\$4 300	\$2 700	\$5 000	\$6 400	—
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup> .....	28 104	26 079	13 524	11 287	1 037	231	2 025	998	819	145	63
Less than 10 percent .....	3 241	2 915	1 263	1 495	116	41	326	111	180	31	4
10 to 14 percent .....	6 308	5 915	2 459	3 130	278	48	393	101	232	48	12
15 to 19 percent .....	4 992	4 833	2 235	2 336	205	57	159	81	47	17	14
20 to 24 percent .....	2 983	2 864	1 528	1 217	103	16	119	64	47	4	4
25 to 34 percent .....	2 887	2 725	1 612	994	91	28	162	79	61	16	6
35 percent or more .....	5 457	5 007	3 248	1 546	189	24	450	291	119	25	15
Not computed .....	2 236	1 820	1 179	569	55	17	416	271	133	4	8
<b>HEATING EQUIPMENT</b>											
Steam or hot water .....	14 398	13 835	7 756	5 649	365	65	563	262	275	21	5
Warm-air furnace .....	8 430	8 174	3 841	3 908	337	88	256	107	128	11	10
Built-in electric units .....	2 085	2 038	1 006	926	73	33	47	20	22	5	—
Floor, wall, or pipeless furnace .....	1 082	982	480	401	101	—	100	51	28	16	—
Other means .....	4 421	2 927	1 295	1 306	260	66	1 494	749	542	153	50
None .....	23	5	5	—	—	—	18	9	9	—	—

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

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

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

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

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b> .....	<b>67 320</b>	<b>55</b>	<b>296</b>	<b>1 394</b>	<b>6 420</b>	<b>14 017</b>	<b>20 613</b>	<b>11 645</b>	<b>12 880</b>	<b>6.1</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	63 607	26	189	1 180	5 953	13 429	19 574	11 062	12 194	6.1
<b>PERSONS</b>										
1 person .....	7 100	44	151	560	1 203	1 343	2 097	886	816	5.6
2 persons .....	20 893	11	102	620	3 090	5 109	6 421	2 934	2 606	5.7
3 persons .....	12 229	—	17	124	1 147	2 867	3 827	2 140	2 107	6.0
4 persons .....	12 283	—	12	64	662	2 555	4 217	2 451	2 322	6.2
5 persons .....	7 358	—	4	26	205	1 313	2 386	1 579	1 845	6.4
6 persons or more .....	7 457	—	10	—	113	830	1 665	1 655	3 184	7.2
Median .....	3.0	...	1.5	1.7	2.1	2.7	3.0	3.4	3.9	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b> .....	<b>64 473</b>	<b>32</b>	<b>221</b>	<b>1 226</b>	<b>6 019</b>	<b>13 598</b>	<b>20 014</b>	<b>11 200</b>	<b>12 163</b>	<b>6.1</b>
0.50 or less .....	36 647	—	103	486	3 989	6 250	11 905	5 725	8 189	6.1
0.51 to 1.00 .....	25 550	26	86	661	1 755	6 583	7 478	5 285	3 676	6.0
1.01 to 1.50 .....	2 079	—	17	57	242	715	603	166	279	5.5
1.51 or more .....	197	6	15	22	33	50	28	22	19	5.0
<b>Lacking some or all plumbing facilities</b> .....	<b>2 847</b>	<b>23</b>	<b>75</b>	<b>168</b>	<b>401</b>	<b>419</b>	<b>599</b>	<b>445</b>	<b>717</b>	<b>6.1</b>
0.50 or less .....	1 698	—	48	74	304	202	440	235	395	6.0
0.51 to 1.00 .....	843	18	16	83	54	152	129	143	248	6.3
1.01 to 1.50 .....	206	—	—	7	13	39	30	43	74	6.8
1.51 or more .....	100	5	11	4	30	26	—	24	—	4.5
<b>BEDROOMS</b>										
None and 1 .....	2 549	67	352	794	809	357	137	—	33	3.6
2 .....	14 853	—	—	443	5 064	5 763	2 709	626	248	4.8
3 .....	34 028	—	—	—	321	7 695	16 939	6 482	2 591	6.0
4 or more .....	15 890	—	—	—	—	99	1 434	4 694	9 663	7.5+
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	1 647	—	20	50	264	373	396	219	325	5.8
1960 to 1968 .....	13 555	18	62	273	1 765	3 800	3 588	2 100	1 949	5.7
1950 to 1959 .....	14 818	5	71	299	1 945	4 823	4 655	1 906	1 114	5.6
1949 or earlier .....	37 300	32	143	772	2 446	5 021	11 974	7 420	9 492	6.4
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	54 821	26	183	1 115	5 791	12 810	17 780	8 921	8 195	5.9
2 or more .....	8 929	7	13	90	176	640	1 810	2 182	4 011	7.3
None or also used by another household .....	3 570	15	81	225	474	552	808	566	849	6.0
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	<b>53 644</b>	<b>29</b>	<b>116</b>	<b>438</b>	<b>3 681</b>	<b>11 619</b>	<b>18 341</b>	<b>10 004</b>	<b>9 416</b>	<b>6.1</b>
Less than 1.5 .....	22 100	18	38	177	1 519	4 440	7 938	4 059	3 911	6.1
1.5 to 1.9 .....	10 607	—	18	38	692	2 533	3 507	2 005	1 814	6.1
2.0 to 2.9 .....	10 758	—	35	49	598	2 409	3 541	2 210	1 916	6.1
3.0 or more .....	9 863	11	25	155	840	2 180	3 225	1 691	1 736	6.0
Not computed .....	316	—	—	19	32	57	130	39	39	5.9
<b>Renter occupied housing units</b> .....	<b>30 439</b>	<b>814</b>	<b>1 354</b>	<b>5 479</b>	<b>7 407</b>	<b>5 040</b>	<b>5 256</b>	<b>2 406</b>	<b>2 683</b>	<b>4.5</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	27 218	269	1 118	5 114	7 018	4 734	4 780	2 040	2 145	4.5
<b>PERSONS</b>										
1 person .....	7 594	739	1 018	2 859	1 803	651	342	112	70	3.2
2 persons .....	8 167	47	240	1 912	2 642	1 480	1 052	424	370	4.2
3 persons .....	5 610	10	46	540	1 814	1 154	1 155	465	426	4.8
4 persons .....	3 815	5	26	92	753	874	1 066	467	532	5.6
5 persons .....	2 589	8	11	52	276	513	875	395	459	6.0
6 persons or more .....	2 664	5	13	24	119	368	766	543	826	6.6
Median .....	2.4	1.1	1.2	1.5	2.2	2.8	3.6	3.9	4.4	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b> .....	<b>27 961</b>	<b>472</b>	<b>1 144</b>	<b>5 239</b>	<b>7 043</b>	<b>4 727</b>	<b>4 833</b>	<b>2 148</b>	<b>2 355</b>	<b>4.5</b>
0.50 or less .....	14 383	—	847	2 712	4 223	1 956	2 335	915	1 395	4.4
0.51 to 1.00 .....	12 190	424	224	2 372	2 462	2 450	2 255	1 110	893	4.8
1.01 to 1.50 .....	1 136	—	37	83	332	307	234	99	44	4.9
1.51 or more .....	252	48	36	72	26	14	9	24	23	3.1
<b>Lacking some or all plumbing facilities</b> .....	<b>2 478</b>	<b>342</b>	<b>210</b>	<b>240</b>	<b>364</b>	<b>313</b>	<b>423</b>	<b>258</b>	<b>328</b>	<b>4.8</b>
0.50 or less .....	1 198	—	171	147	222	175	214	86	183	4.8
0.51 to 1.00 .....	1 004	315	16	80	105	91	155	131	111	4.4
1.01 to 1.50 .....	206	—	9	9	25	41	54	34	34	5.9
1.51 or more .....	70	27	14	4	12	6	—	7	—	...
<b>BEDROOMS</b>										
None .....	1 176	1 099	36	41	—	—	—	—	—	1.0
1 .....	8 350	—	1 189	4 938	1 930	211	40	25	17	3.1
2 .....	9 424	—	—	443	5 171	2 809	761	116	124	4.3
3 or more .....	11 489	—	—	—	120	1 795	4 247	2 532	2 795	6.4
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	705	5	31	90	275	136	116	43	9	4.3
1960 to 1968 .....	4 090	142	178	949	1 477	738	395	131	80	4.0
1950 to 1959 .....	1 914	38	84	284	459	429	384	136	100	4.7
1949 or earlier .....	23 730	629	1 061	4 156	5 196	3 737	4 361	2 096	2 494	4.7
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	26 382	372	1 154	5 082	6 767	4 632	4 551	1 906	1 918	4.5
2 or more .....	1 154	6	13	75	285	137	240	134	264	5.8
None or also used by another household .....	2 903	333	271	349	383	383	494	304	386	4.8
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	<b>28 104</b>	<b>803</b>	<b>1 330</b>	<b>5 453</b>	<b>7 277</b>	<b>4 821</b>	<b>4 865</b>	<b>1 898</b>	<b>1 657</b>	<b>4.4</b>
Less than 10 percent .....	3 241	170	131	509	740	606	647	254	184	4.6
10 to 14 percent .....	6 308	111	167	1 095	1 631	1 249	1 258	480	317	4.6
15 to 19 percent .....	4 992	100	213	891	1 369	845	1 043	282	249	4.4
20 to 24 percent .....	2 983	56	161	610	800	497	464	201	194	4.3
25 to 34 percent .....	2 887	63	154	640	869	490	425	148	98	4.2
35 percent or more .....	5 457	203	406	1 465	1 444	854	646	268	171	4.0
Not computed .....	2 236	100	98	243	424	280	382	265	444	5.4

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

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

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

The SMSA	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
All occupied housing units	67 320	60 049	3 622	3 649	30 439	12 840	6 302	4 898	2 930	1 909	854	706
<b>ROOMS</b>												
1 room	55	34	15	6	814	80	44	146	170	163	205	6
2 rooms	296	125	47	124	1 354	159	153	473	331	136	80	22
3 rooms	1 394	531	401	462	5 479	579	1 210	1 763	1 077	522	196	132
4 rooms	6 420	3 944	631	1 845	7 407	1 556	2 155	1 573	794	659	290	380
5 rooms	14 017	12 232	813	972	5 040	2 260	1 304	616	349	309	59	143
6 rooms	20 613	19 512	908	193	5 256	3 733	949	258	169	107	17	23
7 rooms	11 645	11 304	298	43	2 406	2 085	236	50	22	13	—	—
8 rooms or more	12 880	12 367	509	4	2 683	2 388	251	19	18	—	7	—
Median	6.1	6.2	5.4	4.2	4.5	6.0	4.3	3.5	3.4	3.7	3.2	4.0
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities	64 473	57 702	3 278	3 493	27 961	11 432	5 865	4 661	2 785	1 793	757	668
0.50 or less	36 647	33 062	1 984	1 601	14 383	5 355	3 064	2 647	1 648	910	483	276
0.51 to 1.00	25 550	22 738	1 160	1 652	12 190	5 344	2 506	1 881	1 051	827	260	321
1.01 to 1.50	2 079	1 755	109	215	1 136	624	242	95	56	42	9	68
1.51 or more	197	147	25	25	252	109	53	38	30	14	5	3
Lacking some or all plumbing facilities	2 847	2 347	344	156	2 478	1 408	437	237	145	116	97	38
0.50 or less	1 698	1 391	214	93	1 198	717	237	133	63	26	—	22
0.51 to 1.00	843	682	114	47	1 004	485	176	89	71	86	91	6
1.01 to 1.50	206	190	10	6	206	163	16	10	11	—	—	6
1.51 or more	100	84	6	10	70	43	8	5	—	4	6	4
<b>BEDROOMS</b>												
None	67	39	—	28	1 176	83	71	162	232	304	324	—
1	2 482	1 450	519	513	8 350	1 079	1 781	2 769	1 535	798	277	111
2	14 853	11 287	1 292	2 274	9 424	3 058	2 629	1 430	883	745	231	448
3	34 028	32 188	1 108	732	7 622	5 509	1 247	352	219	116	—	179
4 or more	15 890	15 295	520	75	3 867	3 512	280	18	20	37	—	—
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	1 647	1 234	10	403	705	163	14	37	147	245	57	42
1965 to 1968	6 516	5 188	35	1 293	2 482	542	61	315	441	644	255	224
1960 to 1964	7 039	6 019	74	946	1 608	529	74	105	177	340	171	212
1950 to 1959	14 818	13 969	138	711	1 914	1 157	247	168	118	44	17	163
1940 to 1949	5 458	5 246	176	36	2 026	978	414	314	204	48	50	18
1939 or earlier	31 842	28 393	3 189	260	21 704	9 471	5 492	3 959	1 843	588	304	47
<b>INCOME IN 1969</b>												
Less than \$2,000	4 354	3 535	463	356	4 186	1 393	873	916	512	239	155	98
\$2,000 to \$2,999	2 635	2 239	238	158	2 034	623	406	504	246	93	81	81
\$3,000 to \$3,999	2 593	2 118	283	192	2 076	694	446	440	232	137	87	40
\$4,000 to \$4,999	2 634	2 195	231	208	2 214	868	442	411	259	143	30	61
\$5,000 to \$5,999	3 354	2 867	230	257	2 627	990	620	422	302	124	95	74
\$6,000 to \$6,999	3 818	3 210	277	331	2 836	1 138	656	488	195	209	50	100
\$7,000 to \$9,999	14 407	12 615	722	1 070	6 848	3 259	1 438	918	570	360	145	158
\$10,000 to \$14,999	20 475	18 880	719	876	5 657	2 777	1 133	632	474	464	113	64
\$15,000 to \$24,999	10 216	9 684	361	171	1 681	919	254	153	121	129	75	30
\$25,000 or more	2 834	2 706	98	30	280	179	34	14	19	11	23	—
Median	\$10 000	\$10 300	\$7 400	\$7 900	\$6 700	\$7 700	\$6 600	\$5 400	\$5 700	\$7 100	\$5 800	\$6 000
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	5 730	4 629	232	869	10 048	3 226	1 893	1 819	1 322	998	388	402
1968	4 209	3 572	181	456	4 499	1 855	847	822	350	352	131	142
1967	4 118	3 414	191	513	2 792	1 237	528	505	169	241	61	51
1965 and 1966	7 480	6 537	297	646	3 807	1 627	848	634	367	149	125	57
1960 to 1964	12 437	11 216	495	726	3 967	1 845	947	609	357	84	86	39
1950 to 1959	16 994	15 921	688	385	2 822	1 494	643	350	248	29	51	7
1949 or earlier	16 352	14 706	1 608	38	2 504	1 406	665	242	142	35	14	—
<b>GROSS RENT</b>												
Specified renter occupied:												
Less than \$50	...	...	...	...	28 104	10 505	6 302	4 898	2 930	1 909	854	706
\$50 to \$59	...	...	...	...	1 274	314	222	218	196	126	175	23
\$60 to \$69	...	...	...	...	1 309	336	337	306	181	87	46	16
\$70 to \$79	...	...	...	...	2 257	534	478	743	321	96	35	50
\$80 to \$99	...	...	...	...	3 066	866	879	815	386	79	21	20
\$100 to \$119	...	...	...	...	6 737	2 207	2 001	1 476	717	139	63	134
\$120 to \$149	...	...	...	...	4 659	2 147	1 234	649	318	114	34	163
\$150 to \$199	...	...	...	...	3 830	1 711	476	444	383	527	123	166
\$200 to \$299	...	...	...	...	2 283	872	119	157	345	536	233	21
\$300 or more	...	...	...	...	668	314	36	46	51	161	60	—
No cash rent	...	...	...	...	96	49	27	—	5	—	15	—
Median	...	...	...	...	1 925	1 155	493	44	27	44	49	113
	...	...	...	...	\$95	\$104	\$90	\$84	\$90	\$137	\$127	\$107
<b>HEATING EQUIPMENT</b>												
Steam or hot water	27 209	24 979	2 131	99	14 398	4 545	3 551	3 140	1 842	761	532	27
Warm-air furnace	26 815	23 180	885	2 750	8 430	4 284	1 405	937	540	651	183	430
Built-in electric units	6 097	5 830	89	178	2 085	545	194	432	364	396	124	30
Floor, wall, or pipeless furnace	2 071	1 970	48	53	1 082	696	194	74	50	42	15	11
Other means	5 103	4 070	464	569	4 421	2 750	955	315	134	59	—	208
None	25	20	5	—	23	20	3	—	—	—	—	—
<b>AIR CONDITIONING</b>												
Room unit(s)	19 528	17 758	948	822	6 563	2 095	1 261	1 203	825	724	346	109
Central system	2 922	2 645	74	203	1 658	277	40	118	372	647	179	25
None	44 870	39 592	2 670	2 608	22 218	10 318	5 070	3 660	1 758	517	331	564
<b>AUTOMOBILES AVAILABLE</b>												
1	29 505	25 784	1 728	1 993	14 901	5 988	3 249	2 396	1 392	1 008	436	432
2	25 201	23 146	876	1 179	6 620	3 227	1 277	850	535	475	113	143
3 or more	5 583	5 181	229	173	1 023	628	189	95	7	63	16	25
None	7 031	5 884	859	288	7 895	2 847	1 656	1 640	1 021	342	291	98

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

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

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

The SMSA	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b> .....	<b>67 320</b>	<b>1 611</b>	<b>9 807</b>	<b>12 776</b>	<b>22 635</b>	<b>7 219</b>	<b>1 284</b>	<b>759</b>	<b>2 612</b>	<b>1 577</b>	<b>3 054</b>	<b>4 046</b>
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities .....	64 473	1 580	9 557	12 492	21 839	6 791	1 175	659	2 524	1 400	2 840	3 616
0.50 or less .....	36 647	682	2 735	2 527	13 960	6 086	727	542	1 749	1 209	2 819	3 611
0.51 to 1.00 .....	25 550	875	6 262	8 904	7 428	687	390	93	710	175	21	5
1.01 to 1.50 .....	2 079	19	536	967	411	47	6	11	2	16	—	—
1.51 or more .....	197	4	24	94	40	12	—	—	3	—	—	—
Lacking some or all plumbing facilities .....	2 847	31	250	284	796	428	109	100	88	117	214	430
0.50 or less .....	1 698	16	44	26	353	341	70	79	47	96	214	412
0.51 to 1.00 .....	843	15	172	156	297	83	24	21	36	21	—	18
1.01 to 1.50 .....	206	—	14	79	99	4	10	—	—	—	—	—
1.51 or more .....	100	—	20	23	47	—	5	—	5	—	—	—
<b>UNITS IN STRUCTURE</b>												
1 .....	60 049	1 044	8 461	12 035	21 023	6 403	1 103	667	2 311	1 397	2 345	3 260
2 or more .....	3 622	67	442	401	893	602	80	61	115	89	327	545
Mobile home or trailer .....	3 649	500	904	340	719	214	101	31	186	31	382	241
<b>INCOME IN 1969</b>												
Less than \$2,000 .....	4 354	19	139	132	254	598	73	100	268	317	550	1 904
\$2,000 to \$2,999 .....	2 635	45	110	54	266	857	28	93	138	75	231	738
\$3,000 to \$3,999 .....	2 593	45	58	104	328	860	40	36	147	159	327	489
\$4,000 to \$4,999 .....	2 634	47	144	124	460	730	47	66	245	120	352	299
\$5,000 to \$5,999 .....	3 354	86	382	257	757	619	101	87	327	123	424	191
\$6,000 to \$6,999 .....	3 818	168	539	459	1 043	657	101	86	223	112	294	136
\$7,000 to \$9,999 .....	14 407	619	3 231	2 878	4 469	1 285	281	117	570	251	592	114
\$10,000 to \$14,999 .....	20 475	534	4 132	5 488	7 943	893	372	87	492	225	203	106
\$15,000 to \$24,999 .....	10 216	43	892	2 602	5 490	548	179	62	186	111	58	45
\$25,000 or more .....	2 834	5	180	678	1 625	172	62	25	16	24	23	24
Median .....	\$10 000	\$8 900	\$10 400	\$12 200	\$12 400	\$5 900	\$9 700	\$6 000	\$6 800	\$5 700	\$5 200	\$2 200
<b>VALUE-INCOME RATIO</b>												
Specified owner occupied <sup>1</sup> .....	53 644	962	7 683	10 721	18 387	5 741	941	576	2 125	1 292	2 139	3 077
Less than 1.5 .....	22 100	427	2 702	4 881	9 981	1 486	459	251	1 245	449	494	221
1.5 to 1.9 .....	10 607	247	2 012	2 693	3 809	745	187	68	293	88	288	177
2.0 to 2.4 .....	6 769	109	1 434	1 583	1 950	641	103	59	240	187	278	185
2.5 to 2.9 .....	3 989	80	605	760	1 119	687	64	24	170	89	205	186
3.0 to 3.9 .....	4 023	70	633	539	843	755	68	65	253	144	213	440
4.0 or more .....	5 840	29	294	259	667	1 393	50	104	380	312	554	1 798
Not computed .....	316	—	3	6	18	34	10	5	40	23	107	70
<b>Renter occupied housing units</b> .....	<b>30 439</b>	<b>3 803</b>	<b>5 880</b>	<b>2 943</b>	<b>3 978</b>	<b>1 465</b>	<b>1 013</b>	<b>200</b>	<b>3 165</b>	<b>398</b>	<b>4 541</b>	<b>3 053</b>
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities .....	27 961	3 640	5 576	2 719	3 603	1 325	921	155	2 995	358	4 030	2 639
0.50 or less .....	14 383	1 391	1 457	578	1 842	966	383	71	1 190	260	3 734	2 511
0.51 to 1.00 .....	12 190	2 166	3 691	1 763	1 580	338	493	73	1 564	98	296	128
1.01 to 1.50 .....	1 136	59	383	319	129	15	36	5	190	—	—	—
1.51 or more .....	252	24	45	59	52	6	9	6	51	—	—	—
Lacking some or all plumbing facilities .....	2 478	163	304	224	375	140	92	45	170	40	511	414
0.50 or less .....	1 198	108	30	38	164	100	36	20	70	22	285	325
0.51 to 1.00 .....	1 004	41	220	89	159	36	30	25	71	18	226	89
1.01 to 1.50 .....	206	5	44	73	43	—	17	—	24	—	—	—
1.51 or more .....	70	9	10	24	9	4	9	—	5	—	—	—
<b>UNITS IN STRUCTURE</b>												
1 .....	12 840	1 174	3 087	2 075	2 389	667	425	113	1 265	217	800	628
2 to 4 .....	11 200	1 770	1 882	598	967	519	391	65	1 339	141	2 130	1 398
5 to 19 .....	4 839	621	718	231	455	209	135	22	443	35	1 251	719
20 or more .....	854	42	61	9	98	49	15	—	59	5	274	242
Mobile home or trailer .....	706	196	132	30	69	21	47	—	59	—	86	66
<b>GROSS RENT</b>												
Specified renter occupied <sup>2</sup> .....	28 104	3 476	5 049	2 529	3 596	1 378	941	184	3 077	371	4 499	3 004
Less than \$50 .....	1 274	41	41	34	59	62	34	15	66	21	451	450
\$50 to \$59 .....	1 309	81	84	42	116	74	46	28	62	30	370	376
\$60 to \$69 .....	2 257	179	181	158	191	110	49	24	196	36	663	470
\$70 to \$79 .....	3 066	364	345	222	403	159	83	14	336	48	730	362
\$80 to \$99 .....	6 737	1 132	1 210	458	779	376	219	50	910	65	1 049	489
\$100 to \$119 .....	4 659	763	1 176	496	657	160	154	14	640	53	373	173
\$120 to \$149 .....	3 830	558	984	440	446	125	154	9	458	26	448	188
\$150 to \$199 .....	2 283	205	590	336	372	76	119	4	265	18	186	112
\$200 to \$299 .....	668	27	190	137	144	22	56	—	53	—	15	24
\$300 or more .....	96	11	17	4	48	6	—	—	—	5	—	5
No cash rent .....	1 925	115	231	202	381	208	33	26	91	69	214	355
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
Specified renter occupied <sup>2</sup> .....	28 104	3 476	5 049	2 529	3 596	1 378	941	184	3 077	371	4 499	3 004
Less than \$5,000 .....	9 901	592	480	183	390	672	398	115	1 750	258	2 367	2 696
Less than 20 percent .....	853	48	34	5	46	50	17	14	84	18	380	157
20 to 24 percent .....	898	55	39	15	48	55	34	20	137	14	300	181
25 to 34 percent .....	1 777	127	124	20	68	147	74	21	361	43	444	348
35 percent or more .....	5 183	287	240	118	198	268	258	49	1 042	138	1 003	1 582
Not computed .....	1 190	75	43	25	30	152	15	11	126	45	240	428
\$5,000 to \$9,999 .....	11 366	2 041	2 691	1 046	1 490	469	362	28	1 100	85	1 784	270
Less than 20 percent .....	7 625	1 407	1 806	727	1 026	275	233	18	638	50	1 296	149
20 to 24 percent .....	1 787	386	418	138	178	71	40	6	247	6	259	44
25 to 34 percent .....	1 079	178	244	71	71	51	61	—	167	—	189	38
35 percent or more .....	264	39	53	25	68	15	18	—	25	—	10	11
Not computed .....	611	31	170	85	147	57	10	6	23	24	30	28
\$10,000 to \$14,999 .....	5 177	784	1 514	928	1 175	166	132	30	157	17	256	18
Less than 20 percent .....	4 586	766	1 393	780	970	161	97	25	118	17	241	18
20 to 24 percent .....	282	5	94	78	52	5	20	—	18	—	10	—
25 percent or more .....	37	—	22	—	5	—	—	—	10	—	—	—
Not computed .....	272	13	5	70	148	—	15	5	11	—	5	—
\$15,000 or more .....	1 660	59	364	372	541	71	49	11	70	11	92	20
Less than 20 percent .....	1 477	51	351	326	479	67	41	7	51	11	78	15
20 to 24 percent .....	16	—	—	5	6	—	—	—	—	—	—	5
25 percent or more .....	4	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	163	8	13	37	56	4	8	4	19	—	14	—

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

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

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

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

The SMSA

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b> .....	<b>67 320</b>	<b>7 100</b>	<b>20 893</b>	<b>12 229</b>	<b>12 283</b>	<b>7 358</b>	<b>3 838</b>	<b>2 184</b>	<b>1 435</b>	<b>3.0</b>
<b>BEDROOMS</b>										
None and 1 .....	2 549	910	1 216	247	101	75	-	-	-	1.8
2 .....	14 853	2 314	7 793	2 902	1 483	268	55	18	20	2.2
3 .....	34 028	2 794	9 472	6 964	7 905	4 550	1 396	797	150	3.2
4 or more .....	15 890	1 097	2 676	2 116	2 681	2 448	2 252	1 574	1 046	4.3
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	1 647	58	536	299	371	209	120	-	13	3.3
1965 to 1968 .....	6 516	292	1 530	1 475	1 614	853	453	190	69	3.5
1960 to 1964 .....	7 039	487	1 826	1 278	1 681	1 106	433	190	38	3.4
1950 to 1959 .....	14 818	1 091	4 923	2 947	3 070	1 531	736	392	128	3.0
1940 to 1949 .....	5 458	546	1 938	1 082	948	515	221	143	65	2.7
1939 or earlier .....	31 842	4 626	10 140	5 148	4 599	3 144	1 835	1 228	1 122	2.7
<b>UNITS IN STRUCTURE</b>										
1 .....	60 049	5 605	18 493	10 942	11 225	6 872	3 574	2 033	1 305	3.0
2 or more .....	3 622	872	1 122	509	486	268	172	94	99	2.3
Mobile home or trailer .....	3 649	623	1 278	778	572	218	92	57	31	2.4
<b>COMPLETE BATHROOMS</b>										
1 and 1/2 .....	54 821	5 765	17 403	10 186	9 912	5 784	3 033	1 656	1 082	2.9
2 and 2 1/2 .....	7 821	438	1 923	1 427	1 894	1 203	596	225	115	3.6
3 or more .....	1 108	119	335	185	163	134	134	13	25	3.0
None or also used by another household .....	3 570	755	1 096	464	321	272	126	214	322	2.4
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>60 220</b>	...	<b>20 893</b>	<b>12 229</b>	<b>12 283</b>	<b>7 358</b>	<b>3 838</b>	<b>2 184</b>	<b>1 435</b>	<b>3.3</b>
Male head, wife present, no nonrelatives .....	54 048	...	17 447	10 883	11 587	7 036	3 662	2 076	1 357	3.4
Under 25 years .....	1 611	...	520	623	367	87	4	5	5	3.0
25 to 34 years .....	9 807	...	999	1 902	3 423	2 009	801	494	179	4.1
35 to 44 years .....	12 776	...	694	1 742	3 577	3 110	1 900	1 048	705	4.6
45 to 64 years .....	22 635	...	9 467	5 607	3 901	1 738	929	525	468	2.8
65 years and over .....	7 219	...	5 767	1 009	319	92	28	4	-	2.1
Other male head .....	2 043	...	1 066	454	248	111	55	60	49	2.5
Under 65 years .....	1 284	...	551	310	193	86	52	48	44	2.8
65 years and over .....	759	...	515	144	55	25	3	12	5	2.2
Female head .....	4 129	...	2 380	892	448	211	121	48	29	2.4
Under 65 years .....	2 612	...	1 294	629	374	154	105	27	29	2.5
65 years and over .....	1 517	...	1 086	263	74	57	16	21	-	2.2
<b>One-person households</b> .....	<b>7 100</b>	<b>7 100</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	<b>53 644</b>	<b>5 216</b>	<b>16 857</b>	<b>9 990</b>	<b>10 259</b>	<b>6 016</b>	<b>3 024</b>	<b>1 516</b>	<b>766</b>	<b>3.0</b>
Less than 1.5 .....	22 100	715	5 936	4 899	4 784	2 970	1 477	795	524	3.4
1.5 to 1.9 .....	10 607	465	3 199	2 092	2 313	1 320	723	381	114	3.3
2.0 to 2.4 .....	6 769	463	2 168	1 167	1 556	828	412	143	32	3.1
2.5 to 2.9 .....	3 989	391	1 463	730	696	391	202	70	46	2.7
3.0 to 3.9 .....	4 023	653	1 609	621	595	272	125	103	45	2.3
4.0 or more .....	5 840	2 352	2 368	464	310	232	85	24	5	1.7
Not computed .....	316	177	114	17	5	3	-	-	-	1.4
<b>Renter occupied housing units</b> .....	<b>30 439</b>	<b>7 594</b>	<b>8 167</b>	<b>5 610</b>	<b>3 815</b>	<b>2 589</b>	<b>1 394</b>	<b>709</b>	<b>561</b>	<b>2.4</b>
<b>BEDROOMS</b>										
None .....	1 176	1 016	118	22	20	-	-	-	-	1.1
1 .....	8 350	4 686	2 782	650	118	61	40	-	13	1.4
2 .....	9 424	1 485	3 063	2 736	1 223	652	192	73	-	2.6
3 or more .....	11 489	425	1 932	2 187	2 589	1 842	1 270	749	495	4.0
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	705	90	251	213	81	52	14	-	4	2.6
1965 to 1968 .....	2 482	669	878	432	213	198	34	35	23	2.2
1960 to 1964 .....	1 608	351	507	309	244	124	46	16	11	2.4
1950 to 1959 .....	1 914	360	525	396	343	156	94	30	10	2.7
1940 to 1949 .....	2 026	444	465	499	268	180	101	33	36	2.7
1939 or earlier .....	21 704	5 680	5 541	3 761	2 666	1 879	1 105	595	477	2.4
<b>UNITS IN STRUCTURE</b>										
1 .....	12 840	1 428	2 823	2 421	2 220	1 752	1 118	598	480	3.4
2 .....	6 302	1 567	1 773	1 351	860	445	176	59	71	2.4
3 and 4 .....	4 898	1 961	1 520	846	348	149	51	23	-	1.8
5 to 9 .....	2 930	1 273	1 043	341	119	122	16	6	10	1.7
10 to 19 .....	1 909	697	586	374	159	77	16	-	-	1.9
20 or more .....	854	516	222	87	24	5	-	-	-	1.3
Mobile home or trailer .....	706	152	200	190	85	39	17	23	-	2.5
<b>COMPLETE BATHROOMS</b>										
1 and 1/2 .....	26 382	6 465	7 378	4 880	3 403	2 202	1 147	532	375	2.4
2 or more .....	1 154	141	326	271	160	141	51	21	43	2.9
None or also used by another household .....	2 903	1 027	590	434	244	203	142	118	145	2.2
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>22 845</b>	...	<b>8 167</b>	<b>5 610</b>	<b>3 815</b>	<b>2 589</b>	<b>1 394</b>	<b>709</b>	<b>561</b>	<b>3.1</b>
Male head, wife present, no nonrelatives .....	18 069	...	5 998	4 294	3 263	2 228	1 186	591	509	3.2
Under 25 years .....	3 803	...	1 737	1 381	529	110	33	4	9	2.6
25 to 34 years .....	5 880	...	1 131	1 395	1 505	978	539	215	117	3.8
35 to 44 years .....	2 943	...	290	388	646	688	396	254	281	4.7
45 to 64 years .....	3 978	...	1 684	917	534	428	214	118	83	2.8
65 years and over .....	1 465	...	1 156	213	49	24	4	-	19	2.1
Other male head .....	1 213	...	597	283	160	118	28	5	22	2.5
Under 65 years .....	1 013	...	469	252	146	91	28	5	22	2.6
65 years and over .....	200	...	128	31	14	27	-	-	-	2.3
Female head .....	3 563	...	1 572	1 033	392	243	180	113	30	2.7
Under 65 years .....	3 165	...	1 280	953	370	239	180	113	30	2.8
65 years and over .....	398	...	292	80	22	4	-	-	-	2.2
<b>One-person households</b> .....	<b>7 594</b>	<b>7 594</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	<b>28 104</b>	<b>7 503</b>	<b>7 783</b>	<b>5 189</b>	<b>3 365</b>	<b>2 222</b>	<b>1 123</b>	<b>559</b>	<b>360</b>	<b>2.3</b>
Less than 10 percent .....	3 241	483	1 083	670	443	242	168	78	74	2.6
10 to 14 percent .....	6 308	805	2 030	1 320	967	670	279	151	86	2.7
15 to 19 percent .....	4 992	1 046	1 283	1 124	727	414	230	128	40	2.6
20 to 24 percent .....	2 983	799	875	464	375	238	125	66	41	2.3
25 to 34 percent .....	2 887	1 019	719	565	225	207	80	42	30	2.1
35 percent or more .....	5 457	2 606	1 222	714	364	298	151	48	54	1.6
Not computed .....	2 236	745	571	332	264	153	90	46	35	2.2

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

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

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

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

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b> .....	<b>513</b>	<b>137</b>	<b>175</b>	<b>201</b>	<b>Vacant for rent</b> .....	<b>1 136</b>	<b>524</b>	<b>376</b>	<b>236</b>
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms .....	17	4	—	13	1 room .....	91	68	11	12
4 rooms .....	44	5	19	20	2 rooms .....	61	29	20	12
5 rooms .....	92	25	33	34	3 rooms .....	290	138	80	72
6 rooms .....	171	51	66	54	4 rooms .....	312	122	117	73
7 rooms or more .....	189	52	57	80	5 rooms .....	108	69	27	12
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities .....	448	133	159	156	6 rooms .....	173	56	80	37
Lacking some or all plumbing facilities .....	65	4	16	45	7 rooms or more .....	101	42	41	18
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1 .....	—	—	—	—	With all plumbing facilities .....	972	465	339	168
2 .....	102	12	47	43	Lacking some or all plumbing facilities .....	164	59	37	68
3 .....	176	43	118	15	<b>BEDROOMS</b>				
4 or more .....	172	37	77	58	None .....	74	74	—	—
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970 .....	69	36	14	19	1 .....	346	197	74	75
1960 to 1968 .....	69	24	26	19	2 .....	329	109	128	92
1950 to 1959 .....	77	17	37	23	3 or more .....	505	296	125	84
1949 or earlier .....	298	60	98	140	<b>YEAR STRUCTURE BUILT</b>				
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1 .....	467	126	154	187	1969 to March 1970 .....	141	57	81	3
2 or more .....	46	11	21	14	1960 to 1968 .....	138	87	43	8
<b>HEATING EQUIPMENT</b>					<b>HEATING EQUIPMENT</b>				
Steam or hot water .....	197	48	63	86	1950 to 1959 .....	73	44	19	10
Warm-air furnace .....	183	46	80	57	1949 or earlier .....	784	336	233	215
Built-in electric units .....	60	35	12	13	<b>UNITS IN STRUCTURE</b>				
Floor, wall, or pipeless furnace .....	12	8	4	4	1 .....	408	160	154	94
Other means .....	49	—	16	33	2 to 4 .....	314	151	95	68
None .....	12	—	—	12	5 to 9 .....	152	87	16	49
<b>SALES PRICE ASKED</b>					<b>SALES PRICE ASKED</b>				
Specified vacant for sale <sup>1</sup> .....	426	115	134	177	10 to 19 .....	199	83	100	16
Less than \$5,000 .....	54	5	3	46	20 or more .....	63	43	11	9
\$5,000 to \$9,999 .....	82	15	48	19	<b>RENT ASKED</b>				
\$10,000 to \$14,999 .....	73	22	26	25	Specified vacant for rent <sup>2</sup> .....	1 033	463	352	218
\$15,000 to \$19,999 .....	61	23	15	23	Less than \$50 .....	200	97	55	48
\$20,000 to \$24,999 .....	53	9	15	29	\$50 to \$59 .....	87	24	21	42
\$25,000 to \$34,999 .....	82	39	15	28	\$60 to \$79 .....	307	132	117	58
\$35,000 to \$49,999 .....	17	2	12	3	\$80 to \$99 .....	117	55	29	33
\$50,000 or more .....	4	—	—	4	\$100 to \$119 .....	67	41	21	5
Median price asked .....	\$15 300	\$18 400	\$13 100	\$14 700	\$120 to \$149 .....	104	55	22	27
					\$150 to \$199 .....	115	34	81	—
					\$200 or more .....	36	25	6	5
					Median rent asked .....	\$75	\$77	\$77	\$67

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

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

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

The SMSA	Sales price asked—Vacant for sale <sup>1</sup>							Rent asked—Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b> .....	<b>426</b>	<b>136</b>	<b>73</b>	<b>61</b>	<b>53</b>	<b>82</b>	<b>21</b>	<b>1 033</b>	<b>287</b>	<b>307</b>	<b>117</b>	<b>171</b>	<b>115</b>	<b>36</b>
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities .....	268	67	58	55	15	73	—	918	199	332	109	125	90	63
Lacking some or all plumbing facilities .....	45	30	—	—	15	—	—	107	75	32	—	—	—	—
<b>BEDROOMS</b>														
None and 1 .....	—	—	—	—	—	—	—	407	124	163	30	90	—	—
2 .....	54	41	13	—	—	—	—	252	57	63	79	—	53	—
3 .....	161	42	32	14	15	58	—	224	62	91	—	—	37	34
4 or more .....	98	14	13	41	15	15	—	142	31	47	—	35	—	29
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970 .....	67	—	2	14	19	29	3	123	5	—	—	18	91	9
1960 to 1968 .....	67	9	6	3	18	28	3	127	—	21	—	66	17	23
1950 to 1959 .....	71	9	29	10	10	8	5	49	18	14	3	14	—	—
1949 or earlier .....	221	118	36	34	6	17	10	734	264	272	114	73	7	4
<b>UNITS IN STRUCTURE</b>														
1 .....	...	...	...	...	...	...	...	305	106	131	42	12	5	9
2 to 4 .....	...	...	...	...	...	...	...	314	80	103	43	84	4	—
5 to 19 .....	...	...	...	...	...	...	...	351	71	57	25	75	101	22
20 or more .....	...	...	...	...	...	...	...	63	30	16	7	—	5	5
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included .....	...	...	...	...	...	...	...	261	89	54	34	28	40	16
Some or no utilities included .....	...	...	...	...	...	...	...	772	198	253	83	143	75	20

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

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

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

<b>Lancaster</b>	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
<b>Specified owner occupied<sup>1</sup></b>	<b>9 280</b>	<b>224</b>	<b>948</b>	<b>2 111</b>	<b>2 360</b>	<b>1 619</b>	<b>1 415</b>	<b>387</b>	<b>138</b>	<b>53</b>	<b>25</b>	<b>11 400</b>
<b>ROOMS</b>												
1 and 2 rooms	20	—	6	5	—	—	5	4	—	—	—	...
3 rooms	55	8	8	—	26	8	5	—	—	—	—	...
4 rooms	573	24	67	133	211	38	90	5	5	—	—	10 700
5 rooms	1 308	53	191	261	374	193	195	36	5	—	—	11 000
6 rooms	3 798	87	402	833	915	817	612	100	21	11	—	11 600
7 rooms	1 727	31	175	468	411	245	261	77	48	4	7	11 200
8 rooms or more	1 799	21	99	411	423	318	247	165	59	38	18	12 200
Median	6.2	5.8	6.0	6.3	6.1	6.2	6.2	7.1	7.3	...	...	...
<b>PERSONS</b>												
1 person	1 354	89	250	372	338	109	143	31	13	—	9	9 800
2 persons	3 017	80	322	654	654	495	428	98	48	27	11	11 300
3 persons	1 602	15	118	366	390	347	299	45	17	—	—	11 900
4 persons	1 514	20	86	228	395	357	294	102	27	5	—	12 700
5 persons	896	12	75	216	186	189	153	49	16	—	—	11 900
6 persons or more	897	8	97	275	197	122	98	62	17	16	5	10 900
Median	2.7	1.8	2.2	2.6	2.5	3.1	3.0	3.7	3.0	...	...	...
Units with roomers, boarders, or lodgers	316	12	35	89	104	36	26	14	—	—	—	10 500
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b>	<b>9 187</b>	<b>192</b>	<b>917</b>	<b>2 095</b>	<b>2 356</b>	<b>1 619</b>	<b>1 405</b>	<b>387</b>	<b>138</b>	<b>53</b>	<b>25</b>	<b>11 500</b>
0.50 or less	5 835	157	623	1 343	1 515	972	859	220	89	37	20	11 300
0.51 to 1.00	3 133	32	244	694	803	616	526	158	44	16	—	11 900
1.01 to 1.50	1 855	3	36	47	33	27	20	9	5	—	5	10 500
1.51 or more	34	—	14	11	5	4	—	—	—	—	—	...
<b>Lacking some or all plumbing facilities</b>	<b>93</b>	<b>32</b>	<b>31</b>	<b>16</b>	<b>4</b>	<b>—</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>...</b>
0.50 or less	70	19	26	16	4	—	5	—	—	—	—	...
0.51 to 1.00	13	8	5	—	—	—	—	—	—	—	—	...
1.01 to 1.50	5	—	—	—	—	—	5	—	—	—	—	...
1.51 or more	5	5	—	—	—	—	—	—	—	—	—	...
<b>BEDROOMS</b>												
None and 1	141	46	22	36	19	—	18	—	—	—	—	...
2	1 807	118	303	453	503	198	209	23	—	—	—	10 100
3	5 177	99	567	1 112	1 112	998	952	233	85	19	—	11 800
4 or more	2 365	84	196	460	632	350	371	75	84	97	16	11 800
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	12	—	—	—	—	—	8	—	4	—	—	...
1965 to 1968	217	—	4	—	—	20	106	56	26	5	—	19 200
1960 to 1964	465	—	9	6	7	71	252	97	23	—	—	17 100
1950 to 1959	1 098	—	15	40	287	279	376	77	23	—	—	14 300
1940 to 1949	707	—	15	104	232	242	86	23	—	—	5	15 500
1939 or earlier	6 781	224	904	1 961	1 834	1 007	587	134	62	48	20	10 400
<b>COMPLETE BATHROOMS</b>												
1 and 1 1/2	8 462	138	787	2 041	2 232	1 515	1 309	351	80	—	9	11 400
2 and 2 1/2	466	9	—	34	119	94	76	68	37	29	—	14 400
3 or more	64	—	—	6	8	6	—	5	17	—	—	...
None or also used by another household	238	43	104	63	14	6	8	—	—	—	—	6 800
<b>HOUSEHOLD COMPOSITION</b>												
<b>Two-or-more-person households</b>	<b>7 926</b>	<b>135</b>	<b>698</b>	<b>1 739</b>	<b>2 022</b>	<b>1 510</b>	<b>1 272</b>	<b>356</b>	<b>125</b>	<b>53</b>	<b>16</b>	<b>11 700</b>
Male head, wife present, no nonrelatives	6 561	100	458	1 381	1 729	1 288	1 111	322	109	47	16	11 900
Under 25 years	209	—	19	65	73	30	22	—	—	—	—	10 700
25 to 34 years	1 046	4	35	205	317	224	183	69	4	—	—	12 200
35 to 44 years	1 456	16	84	334	300	312	258	90	46	16	5	12 500
45 to 64 years	2 726	49	197	465	747	531	531	137	42	20	7	12 200
65 years and over	1 124	31	123	312	292	191	117	26	17	11	4	10 800
Other male head	337	21	61	89	56	47	52	11	—	—	—	9 900
Under 65 years	233	17	47	32	26	20	40	11	—	—	—	9 700
65 years and over	104	4	14	29	24	12	12	—	—	—	—	10 500
Female head	1 028	14	179	269	237	175	109	23	16	6	—	11 100
Under 65 years	589	3	94	141	129	128	72	16	—	6	—	10 500
65 years and over	439	11	85	128	108	47	37	7	16	—	—	9 900
<b>One-person households</b>	<b>1 354</b>	<b>89</b>	<b>250</b>	<b>372</b>	<b>338</b>	<b>109</b>	<b>143</b>	<b>31</b>	<b>13</b>	<b>—</b>	<b>9</b>	<b>9 800</b>
Under 65 years	522	16	89	177	108	61	48	14	4	—	5	9 700
65 years and over	832	73	161	195	230	48	95	17	9	—	4	9 800
<b>INCOME IN 1969</b>												
Less than \$2,000	827	51	150	187	256	92	66	15	10	—	—	10 200
\$2,000 to \$2,999	451	36	106	154	76	32	44	3	—	—	—	8 900
\$3,000 to \$3,999	392	16	66	128	93	56	28	—	—	—	—	9 700
\$4,000 to \$4,999	427	26	85	84	132	81	15	4	5	—	—	10 400
\$5,000 to \$5,999	591	18	81	164	193	55	56	—	—	7	—	10 400
\$6,000 to \$6,999	587	20	63	216	152	70	49	12	—	—	5	9 900
\$7,000 to \$9,999	2 175	39	175	535	565	412	327	79	38	—	5	11 500
\$10,000 to \$14,999	2 653	13	194	487	646	601	524	148	29	11	—	12 400
\$15,000 to \$24,999	1 074	5	18	152	238	220	279	94	36	21	11	13 900
\$25,000 or more	103	—	10	4	9	—	27	15	20	14	4	20 500
Median	\$8 900	\$4 300	\$5 800	\$7 700	\$8 500	\$10 100	\$11 200	\$12 100	\$12 800	...	...	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	657	—	55	89	172	152	117	43	6	14	9	12 700
1968	439	—	28	57	137	73	94	36	14	—	—	12 500
1967	418	—	46	53	95	72	125	14	6	7	—	13 000
1965 and 1966	899	5	51	189	179	186	207	69	13	—	—	12 800
1960 to 1964	1 584	20	82	361	302	324	324	121	41	—	9	12 700
1950 to 1959	2 419	50	264	521	650	462	341	83	34	8	6	11 400
1949 or earlier	2 814	115	365	874	838	352	185	58	20	—	7	10 200
<b>HEATING EQUIPMENT</b>												
Steam or hot water	3 331	90	292	756	795	565	509	173	94	48	9	11 700
Warm-air furnace	5 047	74	431	1 124	1 395	958	849	171	29	—	16	11 600
Built-in electric units	211	—	22	20	21	43	42	43	15	—	—	15 000
Floor, wall, or pipeless furnace	443	19	136	153	109	21	5	—	—	—	—	8 600
Other means	248	41	67	58	40	32	10	—	—	—	—	8 200
None	—	—	—	—	—	—	—	—	—	—	—	—
<b>AIR CONDITIONING</b>												
Room unit(s)	3 130	14	148	537	896	722	570	168	62	—	13	12 400
Central system	258	—	6	30	43	33	89	32	16	—	9	15 600
None	5 842	176	737	1 577	1 434	866	734	224	56	29	9	10 800

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

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

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

Lancaster	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	<b>9 532</b>	<b>528</b>	<b>496</b>	<b>915</b>	<b>1 258</b>	<b>2 738</b>	<b>1 654</b>	<b>1 153</b>	<b>436</b>	<b>86</b>	<b>15</b>	<b>253</b>	<b>90</b>
<b>ROOMS</b>													
1 room	348	180	41	38	37	24	4	19	-	-	-	5	50
2 rooms	712	103	110	181	116	131	24	18	9	-	-	20	67
3 rooms	2 445	128	202	406	476	860	197	122	30	10	-	14	80
4 rooms	2 093	78	101	189	350	757	321	151	83	10	5	48	87
5 rooms	1 390	27	27	61	153	460	351	179	73	14	-	45	98
6 rooms	1 484	12	10	35	98	357	448	363	99	14	10	38	109
7 rooms	563	-	5	5	15	99	175	152	77	13	-	22	117
8 rooms or more	497	-	-	-	13	50	134	149	65	25	-	61	124
Median	4.1	2.3	3.0	3.1	3.5	4.0	5.3	5.7	5.7	...	...	5.4	...
<b>PERSONS</b>													
1 person	3 450	432	356	593	662	831	211	182	64	10	-	109	74
2 persons	2 536	69	116	174	352	920	521	200	84	15	9	76	92
3 persons	1 437	9	24	90	112	509	349	209	94	20	-	21	98
4 persons	854	11	-	19	55	222	204	245	64	4	6	24	111
5 persons	584	7	-	22	47	140	140	144	59	20	-	5	111
6 persons or more	671	-	-	17	30	116	229	173	71	17	-	18	114
Median	2.0	1.1	1.2	1.3	1.5	2.1	2.8	3.4	3.2	...	...	1.7	...
Units with roomers, boarders, or lodgers	370	16	20	22	27	81	86	75	22	-	-	21	102
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	<b>9 084</b>	<b>373</b>	<b>445</b>	<b>831</b>	<b>1 230</b>	<b>2 661</b>	<b>1 640</b>	<b>1 134</b>	<b>436</b>	<b>82</b>	<b>15</b>	<b>237</b>	<b>91</b>
0.50 or less	5 169	239	350	607	793	1 438	791	487	228	37	9	190	86
0.51 to 1.00	3 454	121	87	182	404	1 105	727	582	148	45	6	47	96
1.01 to 1.50	358	7	8	21	21	90	97	58	56	-	-	-	107
1.51 or more	103	-	-	6	21	28	25	7	4	-	-	-	85
<b>Lacking some or all plumbing facilities</b>	<b>448</b>	<b>155</b>	<b>51</b>	<b>84</b>	<b>28</b>	<b>77</b>	<b>14</b>	<b>19</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>16</b>	<b>61</b>
0.50 or less	240	61	29	42	28	50	-	19	-	-	-	11	66
0.51 to 1.00	185	94	18	36	-	18	14	-	-	-	-	5	50
1.01 to 1.50	23	-	4	6	-	9	-	-	-	4	-	-	...
1.51 or more	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>BEDROOMS</b>													
None	572	194	112	17	93	76	-	80	-	-	-	-	58
1	3 917	271	352	858	769	1 252	158	218	18	19	-	21	76
2	2 592	113	19	177	321	916	559	248	180	19	-	40	93
3 or more	2 402	24	-	20	92	381	755	638	264	65	-	163	116
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	103	5	6	-	5	37	17	23	4	-	6	-	99
1965 to 1968	445	112	14	16	25	73	25	80	73	10	5	12	94
1960 to 1964	171	-	-	6	-	39	26	27	59	5	-	9	131
1950 to 1959	340	6	4	10	20	128	76	53	39	4	-	-	101
1940 to 1949	591	15	10	26	64	203	147	80	40	26	-	6	98
1939 or earlier	7 882	390	462	857	1 144	2 258	1 363	890	221	67	4	226	88
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	346	104	21	47	44	16	-	58	37	19	-	-	...
With elevator	222	66	-	26	-	16	-	58	37	19	-	-	...
Walk-up	124	38	21	21	44	-	-	-	-	-	-	-	...
1 to 3 floors	9 137	498	462	1 025	1 231	2 609	1 472	1 126	425	65	-	224	89
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	8 746	327	428	766	1 211	2 655	1 560	1 114	379	75	12	219	90
2 or more	187	12	-	7	-	28	41	25	41	9	4	20	118
None or also used by another household	617	139	77	108	36	113	91	24	-	6	-	23	68
<b>INCOME IN 1969</b>													
Less than \$2,000	1 974	266	178	302	315	412	220	156	52	20	-	53	77
\$2,000 to \$2,999	1 013	74	70	129	153	328	145	83	-	-	-	31	83
\$3,000 to \$3,999	862	46	77	96	130	273	101	64	36	5	5	29	84
\$4,000 to \$4,999	830	33	42	109	143	229	118	102	17	-	-	37	85
\$5,000 to \$5,999	938	26	45	55	152	361	135	89	34	9	-	32	89
\$6,000 to \$6,999	857	19	23	79	95	285	176	108	44	12	-	16	94
\$7,000 to \$9,999	1 733	56	49	105	159	504	451	270	81	20	4	34	99
\$10,000 to \$14,999	1 036	8	12	40	92	285	252	203	119	10	-	15	106
\$15,000 to \$24,999	256	-	-	-	14	55	56	65	49	5	6	6	120
\$25,000 or more	33	-	-	-	5	6	-	13	4	5	-	-	...
Median	\$5 100	\$2 000	\$3 000	\$3 300	\$4 200	\$5 400	\$6 600	\$6 800	\$8 300	...	...	\$4 400	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	3 245	114	121	194	384	993	644	483	238	33	5	36	96
1968	1 376	114	39	116	116	384	315	189	57	37	-	9	95
1967	886	49	57	89	136	303	86	101	47	-	-	20	85
1965 and 1966	1 199	28	67	97	185	373	224	144	35	20	4	22	88
1960 to 1964	1 317	83	88	145	176	371	227	152	29	-	-	46	86
1950 to 1959	1 000	22	79	167	194	258	137	82	14	-	-	47	81
1949 or earlier	527	68	56	73	56	114	59	12	-	-	7	82	75
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	724	103	59	77	111	210	89	52	18	5	-	...	81
10 to 14 percent	1 647	59	85	186	224	558	308	172	50	5	-	...	89
15 to 19 percent	1 735	74	74	111	218	519	418	224	92	5	-	...	95
20 to 24 percent	1 124	51	48	89	145	360	200	159	61	5	6	...	93
25 to 34 percent	1 209	81	56	129	167	312	193	176	85	10	-	...	88
35 percent or more	2 627	121	170	304	341	721	420	355	130	56	9	...	90
Not computed	466	39	4	19	52	58	26	-	-	-	-	253	79
<b>AIR CONDITIONING</b>													
Room unit(s)	1 962	48	64	128	228	572	331	300	177	22	9	83	96
Central system	118	-	-	-	-	9	7	32	56	-	-	14	...
None	7 470	430	441	753	1 019	2 215	1 354	831	187	68	7	165	88

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



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

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

Lancaster	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
<b>Owner occupied housing units</b>	<b>10 300</b>	<b>991</b>	<b>549</b>	<b>437</b>	<b>522</b>	<b>676</b>	<b>632</b>	<b>2 361</b>	<b>2 801</b>	<b>1 188</b>	<b>143</b>	<b>8 700</b>
<b>ROOMS</b>												
1 and 2 rooms	56	6	9	—	8	9	20	—	—	4	—	...
3 rooms	242	67	30	24	20	35	4	30	17	10	5	4 000
4 rooms	791	85	79	33	81	53	51	184	170	55	—	7 200
5 rooms	1 537	184	108	86	86	90	85	351	413	130	4	8 100
6 rooms	3 953	369	200	170	174	291	245	936	1 134	404	30	8 700
7 rooms or more	3 721	280	123	124	153	198	227	860	1 067	585	104	9 600
<b>PERSONS</b>												
1 person	1 697	609	256	185	179	169	97	132	40	21	9	2 900
2 persons	3 398	309	258	188	255	282	301	815	663	271	56	7 400
3 and 4 persons	3 329	47	19	46	77	144	178	882	1 364	518	54	11 000
5 persons	937	13	5	12	7	27	39	273	390	171	—	11 200
6 persons or more	939	13	11	6	4	54	17	259	344	207	24	11 500
Units with roomers, boarders, or lodgers	357	102	25	34	38	26	33	39	30	30	—	4 500
<b>BEDROOMS</b>												
Less than 3	2 518	399	197	148	254	213	153	578	410	166	—	6 300
3	5 365	400	237	223	289	314	307	1 255	1 595	698	47	9 200
4 or more	2 489	242	106	109	113	100	109	606	594	394	116	9 300
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	12	—	—	—	—	—	—	4	4	4	—	...
1960 to 1968	689	8	10	9	25	31	9	186	307	94	10	11 100
1950 to 1959	1 108	48	39	21	27	48	39	266	475	134	11	10 700
1949 or earlier	8 491	935	500	407	470	597	584	1 905	2 015	956	122	8 200
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	801	57	20	14	19	67	48	233	268	64	11	9 300
1968	517	36	17	21	41	37	30	131	112	74	18	8 800
1960 to 1967	3 195	118	121	69	79	182	151	887	1 157	395	36	10 000
1959 or earlier	5 777	762	385	313	326	411	418	1 093	1 337	657	75	7 800
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	7 343	461	239	281	400	414	396	1 792	2 141	1 103	116	9 500
Clothes dryer	4 386	179	117	111	227	283	163	974	1 433	783	116	10 500
Dishwasher	891	—	14	39	47	35	50	132	309	186	79	12 100
Home food freezer	2 453	94	135	181	99	122	173	461	698	373	117	9 700
Owned second home	398	35	15	22	—	—	32	52	75	148	19	...
With air conditioning	3 785	199	155	140	171	224	189	836	1 156	612	103	9 900
Room unit(s)	3 499	192	146	127	171	201	183	787	1 049	561	82	9 800
Central system	286	7	9	13	—	23	6	49	107	51	21	11 700
Automobiles available:												
1	5 426	250	196	201	283	433	455	1 556	1 590	416	46	8 700
2	2 380	6	7	6	22	75	78	512	1 035	567	72	12 300
3 or more	419	—	6	—	6	15	—	39	159	172	22	14 500
<b>Renter occupied housing units</b>	<b>9 568</b>	<b>1 986</b>	<b>1 013</b>	<b>867</b>	<b>830</b>	<b>942</b>	<b>862</b>	<b>1 733</b>	<b>1 046</b>	<b>256</b>	<b>33</b>	<b>5 100</b>
<b>ROOMS</b>												
1 room	348	142	52	29	43	26	4	35	13	4	—	2 600
2 rooms	719	273	112	65	84	50	62	47	26	—	—	2 800
3 rooms	2 450	622	346	271	182	253	230	375	146	11	14	3 900
4 rooms	2 093	425	242	218	205	178	219	371	200	31	4	4 800
5 rooms	1 400	270	130	112	111	189	129	244	168	41	6	5 400
6 rooms or more	2 558	254	131	172	205	246	218	661	493	169	9	7 200
<b>PERSONS</b>												
1 person	3 450	1 257	544	390	353	304	233	261	66	24	18	2 900
2 persons	2 541	315	259	230	211	299	208	537	437	45	—	5 900
3 and 4 persons	2 307	259	171	184	142	273	252	582	333	101	10	6 500
5 persons	589	96	6	49	39	20	56	196	100	27	—	7 400
6 persons or more	681	59	33	14	85	46	113	157	110	59	5	6 900
Units with roomers, boarders, or lodgers	370	131	40	41	64	18	14	50	7	5	—	3 300
<b>BEDROOMS</b>												
None	572	189	97	55	75	40	63	35	18	—	—	3 000
1	3 934	1 156	577	409	291	494	239	544	207	—	17	3 600
2	2 592	481	86	210	244	371	329	501	251	103	16	5 700
3 or more	2 419	312	239	74	201	215	141	730	389	75	43	7 100
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	103	23	15	11	13	11	6	14	4	6	—	4 200
1960 to 1968	638	190	65	56	55	54	68	68	55	14	13	4 100
1950 to 1959	340	38	26	22	28	54	17	95	34	26	—	6 100
1949 or earlier	8 487	1 735	907	778	734	823	771	1 556	953	210	20	5 100
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970	3 258	724	371	325	229	362	335	561	302	49	—	4 900
1968	1 376	234	103	104	169	142	124	276	166	58	—	5 500
1960 to 1967	3 408	620	337	297	271	233	368	640	500	132	10	5 800
1959 or earlier	1 541	350	214	192	177	143	75	204	141	35	10	4 100
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied:	9 532	1 974	1 013	862	830	938	857	1 733	1 036	256	33	5 100
Less than 15 percent	2 371	—	—	20	48	115	202	859	855	239	33	9 600
15 to 19 percent	1 735	5	43	79	156	316	361	621	149	5	—	6 700
20 to 24 percent	1 124	31	38	137	274	288	170	163	17	6	—	5 300
25 to 34 percent	1 209	74	258	355	231	158	91	42	—	—	—	3 600
35 percent or more	2 627	1 598	643	242	84	29	17	14	—	—	—	2000-
Not computed	466	266	31	29	37	32	16	34	15	6	—	2000-
<b>SELECTED CHARACTERISTICS</b>												
Automatic clothes washing machine	2 834	306	154	155	252	335	256	827	403	103	43	6 800
Clothes dryer	1 001	104	—	84	57	107	77	248	220	61	43	7 900
Dishwasher	371	64	—	—	37	56	27	71	58	39	19	...
Home food freezer	414	70	—	41	38	40	27	99	58	41	—	6 700
Owned second home	24	—	—	—	—	—	—	—	—	—	—	...
With air conditioning	2 086	253	209	182	161	167	228	341	384	151	10	6 300
Room unit(s)	1 968	235	193	167	156	159	213	318	373	144	10	6 300
Central system	118	18	16	15	5	8	15	23	11	7	—	...
Automobiles available:												
1	4 353	413	279	312	380	523	552	1 104	661	114	15	6 500
2	926	89	45	36	21	55	60	217	288	115	—	9 200
3 or more	186	44	16	6	32	—	5	13	42	28	—	4 800

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

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

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

Lancaster	With all plumbing facilities					Lacking some or all plumbing facilities					
	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	
<b>Owner occupied housing units</b> -----	<b>10 300</b>	<b>10 183</b>	<b>6 533</b>	<b>3 405</b>	<b>200</b>	<b>45</b>	<b>117</b>	<b>89</b>	<b>18</b>	<b>5</b>	<b>5</b>
<b>PERSONS</b>											
1 person -----	1 697	1 661	1 651	10	--	--	36	36	--	--	--
2 persons -----	3 398	3 341	3 227	108	--	6	57	53	4	--	--
3 persons -----	1 726	1 722	1 276	441	5	--	4	--	4	--	--
4 persons -----	1 403	1 598	331	1 267	--	--	5	--	5	--	--
5 persons -----	937	937	48	854	24	11	--	--	--	--	--
6 persons or more -----	939	924	--	725	171	28	15	--	5	5	5
Median -----	2.5	2.6	2.0	4.4	7.3	...	1.9	...	...	...	...
Units with roomers, boarders, or lodgers -----	357	348	201	107	23	17	9	5	4	--	--
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 -----	11	11	--	11	--	--	--	--	--	--	--
1965 to 1968 -----	214	214	139	75	--	--	--	--	--	--	--
1960 to 1964 -----	447	447	231	188	28	--	--	--	--	--	--
1950 to 1959 -----	1 109	1 101	500	578	23	--	8	--	--	8	--
1940 to 1949 -----	724	724	365	324	35	--	--	--	--	--	--
1939 or earlier -----	7 785	7 710	5 239	2 289	128	54	--	69	6	--	--
<b>INCOME IN 1969</b>											
Less than \$2,000 -----	991	966	886	75	--	5	25	21	4	--	--
\$2,000 to \$2,999 -----	549	522	476	40	6	--	27	27	--	--	--
\$3,000 to \$3,999 -----	437	426	390	24	6	6	11	11	--	--	--
\$4,000 to \$4,999 -----	522	512	437	71	4	--	10	10	--	--	--
\$5,000 to \$5,999 -----	676	667	526	111	21	9	9	4	--	--	5
\$6,000 to \$6,999 -----	632	627	442	174	5	6	5	5	--	--	--
\$7,000 to \$9,999 -----	2 361	2 345	1 363	943	35	4	16	6	5	5	--
\$10,000 to \$14,999 -----	2 801	2 801	1 387	1 310	75	15	16	5	9	--	--
\$15,000 to \$24,999 -----	1 188	1 188	535	609	44	--	--	--	--	--	--
\$25,000 or more -----	143	143	91	48	4	--	--	--	--	--	--
Median -----	\$8 700	\$8 800	\$7 200	\$11 000	\$11 500	...	\$3 600	...	...	...	...
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup> -----	9 280	9 187	5 835	3 133	185	34	93	70	13	5	5
Less than 1.5 -----	5 001	4 963	2 570	2 231	137	25	38	24	9	--	5
1.5 to 1.9 -----	1 513	1 502	930	547	21	4	11	11	--	--	--
2.0 to 2.4 -----	802	797	581	200	11	5	5	--	--	5	--
2.5 to 2.9 -----	426	426	364	51	11	--	--	--	--	--	--
3.0 to 3.9 -----	512	491	438	53	--	--	21	17	4	--	--
4.0 or more -----	934	920	867	48	5	--	14	14	--	--	--
Not computed -----	92	88	85	3	--	--	4	4	--	--	--
<b>HEATING EQUIPMENT</b>											
Steam or hot water -----	3 983	3 962	2 746	1 138	67	11	21	21	--	--	--
Warm-air furnace -----	5 374	5 307	3 211	1 956	114	26	67	53	9	5	--
Built-in electric units -----	221	221	125	92	--	4	--	--	--	--	--
Floor, wall, or pipeless furnace -----	459	453	297	141	11	4	6	6	--	--	--
Other means -----	263	240	154	78	8	--	23	9	9	--	5
None -----	--	--	--	--	--	--	--	--	--	--	--
<b>Renter occupied housing units</b> -----	<b>9 568</b>	<b>9 120</b>	<b>5 174</b>	<b>3 473</b>	<b>363</b>	<b>110</b>	<b>448</b>	<b>240</b>	<b>185</b>	<b>23</b>	<b>--</b>
<b>PERSONS</b>											
1 person -----	3 450	3 131	2 947	184	--	--	319	174	145	--	--
2 persons -----	2 541	2 475	1 572	889	--	14	66	57	9	--	--
3 persons -----	1 442	1 413	531	868	14	--	29	9	16	4	--
4 persons -----	865	845	97	706	30	12	20	--	15	5	--
5 persons -----	589	589	27	476	65	21	--	--	--	--	--
6 persons or more -----	681	667	--	350	254	63	--	--	--	14	--
Median -----	2.0	2.1	1.4	3.3	6.2	6.2	1.2	1.2	1.1	...	...
Units with roomers, boarders, or lodgers -----	370	339	78	234	21	6	31	16	11	4	--
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 -----	109	109	29	69	5	6	--	--	--	--	--
1965 to 1968 -----	435	435	219	178	14	24	--	--	--	--	--
1960 to 1964 -----	181	181	90	85	--	6	--	--	--	--	--
1950 to 1959 -----	377	361	187	174	--	--	16	16	--	--	--
1940 to 1949 -----	581	546	260	247	39	--	35	19	--	16	--
1939 or earlier -----	7 900	7 501	4 473	2 704	260	64	399	216	165	18	--
<b>INCOME IN 1969</b>											
Less than \$2,000 -----	1 986	1 798	1 247	465	63	23	188	117	67	4	--
\$2,000 to \$2,999 -----	1 013	955	647	264	39	5	58	36	22	--	--
\$3,000 to \$3,999 -----	867	822	544	244	26	8	45	20	20	5	--
\$4,000 to \$4,999 -----	830	791	512	230	38	11	39	6	33	--	--
\$5,000 to \$5,999 -----	942	906	526	357	23	--	36	16	16	4	--
\$6,000 to \$6,999 -----	862	832	388	377	33	34	30	15	5	10	--
\$7,000 to \$9,999 -----	1 733	1 709	720	885	93	11	24	19	5	--	--
\$10,000 to \$14,999 -----	1 046	1 025	474	503	34	14	21	4	17	--	--
\$15,000 to \$24,999 -----	256	249	94	137	14	4	7	7	--	--	--
\$25,000 or more -----	33	33	22	11	--	--	--	--	--	--	--
Median -----	\$5 100	\$5 200	\$4 300	\$6 500	\$5 700	\$6 200	\$2 600	\$2 100	\$3 200	...	...
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup> -----	9 532	9 084	5 169	3 454	358	103	448	240	185	23	--
Less than 10 percent -----	724	678	302	338	18	20	46	22	24	--	--
10 to 14 percent -----	1 647	1 573	741	760	56	16	74	10	58	6	--
15 to 19 percent -----	1 735	1 702	854	747	73	28	33	22	11	--	--
20 to 24 percent -----	1 124	1 098	652	398	48	15	26	22	--	4	--
25 to 34 percent -----	1 209	1 148	682	403	48	15	61	31	25	5	--
35 percent or more -----	2 627	2 473	1 643	700	106	24	154	112	38	4	--
Not computed -----	466	412	295	108	9	--	54	21	29	4	--
<b>HEATING EQUIPMENT</b>											
Steam or hot water -----	5 446	5 211	3 170	1 887	120	34	235	121	105	9	--
Warm-air furnace -----	2 862	2 774	1 405	1 176	148	45	88	36	48	4	--
Built-in electric units -----	255	255	115	112	16	12	--	--	--	--	--
Floor, wall, or pipeless furnace -----	329	304	176	82	46	--	25	16	5	4	--
Other means -----	665	571	303	216	33	19	94	61	27	6	--
None -----	11	5	5	--	--	--	6	6	--	--	--

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

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

Table 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]

Lancaster	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>10 300</b>	<b>16</b>	<b>40</b>	<b>242</b>	<b>791</b>	<b>1 537</b>	<b>3 953</b>	<b>1 801</b>	<b>1 920</b>	<b>6.1</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	10 018	14	35	259	765	1 489	3 726	1 830	1 900	6.2
<b>PERSONS</b>										
1 person	1 697	10	26	124	208	242	587	270	230	5.9
2 persons	3 398	6	9	103	375	648	1 281	485	491	5.9
3 persons	1 726	-	5	4	111	330	751	264	261	6.0
4 persons	1 603	-	-	-	61	168	710	333	331	6.3
5 persons	937	-	-	11	24	88	392	213	209	6.4
6 persons or more	939	-	-	-	12	61	232	236	398	7.2
Median	2.5	...	...	1.5	2.0	2.3	2.6	3.1	3.4	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>10 183</b>	<b>16</b>	<b>40</b>	<b>231</b>	<b>767</b>	<b>1 514</b>	<b>3 919</b>	<b>1 786</b>	<b>1 910</b>	<b>6.1</b>
0.50 or less	6 533	-	26	121	559	882	2 585	1 009	1 351	6.1
0.51 to 1.00	3 405	10	9	99	172	581	1 265	748	521	6.2
1.01 to 1.50	200	-	5	-	29	47	56	25	38	5.8
1.51 or more	45	6	-	11	7	4	13	4	-	...
<b>Lacking some or all plumbing facilities</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>11</b>	<b>24</b>	<b>23</b>	<b>34</b>	<b>15</b>	<b>10</b>	<b>5.5</b>
0.50 or less	89	-	-	3	24	8	34	10	10	...
0.51 to 1.00	18	-	-	8	-	5	-	5	-	...
1.01 to 1.50	5	-	-	-	-	5	-	-	-	...
1.51 or more	5	-	-	-	-	5	-	-	-	...
<b>BEDROOMS</b>										
None and 1	442	-	37	193	176	36	-	-	-	3.5
2	2 076	-	-	19	602	939	354	122	40	4.9
3	5 365	-	-	-	33	657	3 620	696	359	6.1
4 or more	2 489	-	-	-	-	-	124	794	1 571	7.5+
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	12	-	-	-	-	-	8	-	4	...
1960 to 1968	689	-	-	9	46	122	260	129	123	6.1
1950 to 1959	1 108	-	5	7	132	253	571	97	43	5.8
1949 or earlier	8 491	16	35	226	613	1 162	3 114	1 575	1 750	6.2
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	9 251	14	42	236	714	1 425	3 543	1 683	1 594	6.1
2 or more	789	7	-	23	59	64	183	147	306	6.9
None or also used by another household	250	-	-	11	19	33	115	50	22	6.0
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>9 280</b>	<b>6</b>	<b>14</b>	<b>55</b>	<b>573</b>	<b>1 308</b>	<b>3 798</b>	<b>1 727</b>	<b>1 799</b>	<b>6.2</b>
Less than 1.5	5 001	6	-	17	276	666	2 039	940	1 057	6.3
1.5 to 1.9	1 513	-	-	9	120	240	641	257	246	6.1
2.0 to 2.9	1 228	-	5	6	91	151	471	259	245	6.3
3.0 or more	1 446	-	9	23	75	246	603	256	234	6.1
Not computed	92	-	-	-	11	5	44	15	17	...
<b>Renter occupied housing units</b>	<b>9 568</b>	<b>348</b>	<b>719</b>	<b>2 450</b>	<b>2 093</b>	<b>1 400</b>	<b>1 488</b>	<b>563</b>	<b>507</b>	<b>4.1</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	8 852	102	674	2 292	1 914	1 389	1 395	574	512	4.2
<b>PERSONS</b>										
1 person	3 450	329	548	1 435	688	274	126	30	20	3.1
2 persons	2 541	14	122	776	745	406	319	102	57	4.0
3 persons	1 442	-	18	182	415	287	326	138	76	4.9
4 persons	865	-	12	35	148	205	273	95	97	5.6
5 persons	589	-	6	15	65	130	243	57	73	5.8
6 persons or more	681	5	13	7	32	98	201	141	184	6.4
Median	2.0	1.0	1.2	1.4	2.0	2.6	3.4	3.6	4.5	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>9 120</b>	<b>203</b>	<b>652</b>	<b>2 372</b>	<b>2 019</b>	<b>1 350</b>	<b>1 459</b>	<b>558</b>	<b>507</b>	<b>4.2</b>
0.50 or less	5 174	-	489	1 372	1 369	646	756	265	277	4.0
0.51 to 1.00	3 473	184	118	948	553	610	606	238	216	4.4
1.01 to 1.50	363	-	14	30	88	84	88	45	14	5.1
1.51 or more	110	19	31	22	9	10	9	10	-	2.7
<b>Lacking some or all plumbing facilities</b>	<b>448</b>	<b>145</b>	<b>67</b>	<b>78</b>	<b>74</b>	<b>50</b>	<b>29</b>	<b>5</b>	<b>-</b>	<b>2.7</b>
0.50 or less	240	-	59	63	64	34	15	5	-	3.5
0.51 to 1.00	185	145	4	10	10	12	4	-	-	1.1
1.01 to 1.50	23	-	4	5	-	4	10	-	-	...
1.51 or more	-	-	-	-	-	-	-	-	-	-
<b>BEDROOMS</b>										
None	572	531	-	41	-	-	-	-	-	1.0
1	3 934	-	579	2 350	918	62	-	25	-	3.1
2	2 592	-	-	157	1 355	695	345	18	22	4.3
3 or more	2 419	-	-	-	24	366	1 161	433	435	6.2
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	103	5	12	23	22	31	10	-	-	4.0
1960 to 1968	638	56	39	183	179	118	35	21	7	3.7
1950 to 1959	340	4	38	66	25	65	112	20	10	5.1
1949 or earlier	8 487	283	630	2 178	1 867	1 186	1 331	522	490	4.1
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	8 772	152	683	2 300	1 882	1 363	1 374	538	480	4.2
or more	194	6	13	7	39	33	21	36	39	5.5
None or also used by another household	617	118	92	119	77	85	97	23	6	3.3
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>9 532</b>	<b>348</b>	<b>712</b>	<b>2 445</b>	<b>2 093</b>	<b>1 390</b>	<b>1 484</b>	<b>563</b>	<b>497</b>	<b>4.1</b>
Less than 10 percent	724	57	60	190	117	91	110	55	44	4.0
10 to 14 percent	1 647	48	74	385	367	245	361	96	71	4.4
15 to 19 percent	1 735	42	121	435	400	246	325	83	83	4.2
20 to 24 percent	1 124	33	76	242	243	178	154	104	94	4.4
25 to 34 percent	1 209	34	87	308	305	166	185	82	42	4.1
35 percent or more	2 627	95	260	811	557	408	285	115	96	3.8
Not computed	466	39	34	74	104	56	64	28	67	4.3

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

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

Table B-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]

Lancaster	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
<b>All occupied housing units</b> .....	10 300	9 539	761	-	9 568	3 712	1 708	2 081	1 292	370	400	5
<b>ROOMS</b>												
1 room .....	16	6	10	-	348	24	19	88	93	24	100	-
2 rooms .....	40	14	26	-	719	34	74	308	192	59	47	5
3 rooms .....	242	63	179	-	2 450	216	570	811	598	123	132	-
4 rooms .....	791	589	202	-	2 093	382	624	609	250	122	106	-
5 rooms .....	1 537	1 343	194	-	1 400	722	302	205	125	37	9	-
6 rooms .....	3 953	3 866	87	-	1 488	1 329	81	46	21	5	6	-
7 rooms .....	1 801	1 778	23	-	563	534	15	14	-	-	-	-
8 rooms or more .....	1 920	1 880	40	-	507	471	23	-	13	-	-	-
Median .....	6.1	6.2	4.3	-	4.1	5.9	3.8	3.3	3.1	3.3	2.9	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b> .....	10 183	9 441	742	-	9 120	3 567	1 680	1 961	1 214	335	363	-
0.50 or less .....	6 533	5 980	553	-	5 174	1 757	995	1 213	757	201	251	-
0.51 to 1.00 .....	3 405	3 242	163	-	3 473	1 518	609	682	434	118	112	-
1.01 to 1.50 .....	200	185	15	-	363	238	61	40	13	11	-	-
1.51 or more .....	45	34	11	-	110	54	15	26	10	5	-	-
<b>Lacking some or all plumbing facilities</b> .....	117	98	19	-	448	145	28	120	78	35	37	5
0.50 or less .....	89	75	14	-	240	104	10	68	32	21	-	5
0.51 to 1.00 .....	18	13	5	-	185	31	14	48	41	14	37	-
1.01 to 1.50 .....	5	5	-	-	23	10	4	4	5	-	-	-
1.51 or more .....	5	5	-	-	-	-	-	-	-	-	-	-
<b>BEDROOMS</b>												
None .....	-	-	-	-	572	-	35	98	172	53	214	-
1 .....	442	160	282	-	3 934	455	975	1 384	800	185	135	-
2 .....	2 076	1 835	241	-	2 592	1 009	692	453	260	111	67	-
3 .....	5 365	5 226	139	-	1 744	1 592	70	61	21	-	-	-
4 or more .....	2 489	2 439	50	-	675	635	20	-	20	-	-	-
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 .....	12	12	-	-	103	10	4	5	69	10	5	-
1965 to 1968 .....	217	217	-	-	452	151	6	8	23	98	166	-
1960 to 1964 .....	472	465	7	-	186	75	11	5	29	-	66	-
1950 to 1959 .....	1 108	1 102	6	-	340	213	26	40	40	15	6	-
1940 to 1949 .....	730	713	17	-	591	254	90	145	63	5	34	-
1939 or earlier .....	7 761	7 030	731	-	7 896	3 009	1 571	1 878	1 068	242	123	5
<b>INCOME IN 1969</b>												
Less than \$2,000 .....	991	862	129	-	1 986	601	306	521	338	104	111	5
\$2,000 to \$2,999 .....	549	473	76	-	1 013	252	217	275	148	55	66	-
\$3,000 to \$3,999 .....	437	392	45	-	867	261	183	236	108	36	43	-
\$4,000 to \$4,999 .....	522	443	79	-	830	309	127	183	152	36	23	-
\$5,000 to \$5,999 .....	676	606	70	-	942	347	195	201	143	13	43	-
\$6,000 to \$6,999 .....	632	601	31	-	862	300	196	230	89	31	16	-
\$7,000 to \$9,999 .....	2 361	2 227	134	-	1 733	871	287	254	223	56	42	-
\$10,000 to \$14,999 .....	2 801	2 701	100	-	1 046	586	170	144	78	35	33	-
\$15,000 to \$24,999 .....	1 188	1 111	77	-	256	176	27	26	13	4	10	-
\$25,000 or more .....	143	123	20	-	33	9	-	11	-	-	13	-
Median .....	\$8 700	\$8 900	\$5 700	-	\$5 100	\$6 300	\$5 100	\$4 000	\$4 300	\$3 700	\$3 500	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 .....	801	700	101	-	3 258	981	605	789	494	206	176	7
1968 .....	517	458	59	-	1 376	616	165	321	143	58	73	-
1967 .....	485	440	45	-	886	412	139	213	55	43	24	-
1965 and 1966 .....	964	909	55	-	1 206	529	256	209	155	7	50	-
1960 to 1964 .....	1 746	1 616	130	-	1 316	505	241	304	190	34	42	-
1950 to 1959 .....	2 182	2 080	102	-	951	414	174	169	158	8	28	-
1949 or earlier .....	3 595	3 298	297	-	590	271	86	101	104	28	-	-
<b>GROSS RENT</b>												
<b>Specified renter occupied<sup>1</sup></b> .....	9 532	3 676	1 708	-	9 532	3 676	1 708	2 081	1 292	370	400	5
Less than \$50 .....	528	94	39	-	496	79	107	136	112	36	126	-
\$50 to \$59 .....	915	160	108	-	915	160	108	389	207	33	13	5
\$60 to \$69 .....	1 258	244	313	-	1 258	244	313	403	240	37	21	-
\$70 to \$79 .....	2 738	861	657	-	2 738	861	657	703	416	56	45	-
\$80 to \$89 .....	1 654	938	310	-	1 654	938	310	230	124	33	19	-
\$100 to \$119 .....	1 153	788	98	-	1 153	788	98	72	70	60	65	-
\$120 to \$149 .....	436	269	30	-	436	269	30	12	-	52	73	-
\$150 to \$199 .....	86	62	4	-	86	62	4	5	-	-	15	-
\$200 to \$299 .....	15	10	-	-	15	10	-	-	-	-	5	-
\$300 or more .....	253	171	42	-	253	171	42	10	8	10	12	-
No cash rent .....	590	\$107	\$86	-	590	\$107	\$86	\$80	\$79	\$88	\$88	...
<b>HEATING EQUIPMENT</b>												
Steam or hot water .....	3 983	3 474	509	-	5 446	1 227	1 100	1 518	1 011	287	303	-
Warm-air furnace .....	5 374	5 141	233	-	2 862	1 729	482	407	147	57	40	-
Built-in electric units .....	221	216	5	-	255	77	20	32	69	10	47	-
Floor, wall, or pipeless furnace .....	459	455	4	-	329	277	15	11	5	11	10	-
Other means .....	263	253	10	-	665	391	91	113	60	5	-	5
None .....	-	-	-	-	11	11	-	-	-	-	-	-
<b>AIR CONDITIONING</b>												
Room unit(s) .....	3 499	3 245	254	-	1 968	591	380	397	342	122	136	-
Central system .....	286	270	16	-	118	31	-	7	-	35	45	-
None .....	6 505	5 986	519	-	7 497	3 106	1 286	1 702	957	227	212	7
<b>AUTOMOBILES AVAILABLE</b>												
1 .....	5 426	5 049	377	-	4 353	1 756	839	989	479	133	157	-
2 .....	2 380	2 264	116	-	926	492	116	161	92	59	6	-
3 or more .....	419	388	31	-	186	92	30	21	-	27	16	-
None .....	2 065	1 800	265	-	4 118	1 388	681	935	728	165	214	7

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

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

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

Lancaster	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
<b>Owner occupied housing units</b> .....	10 300	220	1 120	1 531	2 907	1 283	272	139	642	489	665	1 032
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities .....	10 183	216	1 115	1 521	2 891	1 260	254	139	642	484	655	1 006
0.50 or less .....	6 533	105	334	363	1 856	1 107	191	114	435	377	645	1 006
0.51 to 1.00 .....	3 405	111	746	1 068	974	141	41	20	190	104	10	—
1.01 to 1.50 .....	200	—	30	71	57	6	16	—	17	3	—	—
1.51 or more .....	45	—	5	19	4	6	—	—	5	—	—	—
Lacking some or all plumbing facilities .....	117	4	5	10	16	23	18	—	—	5	10	26
0.50 or less .....	89	4	—	—	11	23	10	—	—	5	10	26
0.51 to 1.00 .....	18	—	5	—	5	—	8	—	—	—	—	—
1.01 to 1.50 .....	5	—	—	5	—	—	—	—	—	—	—	—
1.51 or more .....	5	—	—	5	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1 .....	9 539	216	1 067	1 496	2 783	1 178	238	113	602	454	543	849
2 or more .....	761	4	53	35	124	105	34	26	40	35	122	183
Mobile home or trailer .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>INCOME IN 1969</b>												
Less than \$2,000 .....	991	—	7	20	32	103	15	18	69	118	115	494
\$2,000 to \$2,999 .....	549	4	5	10	60	146	5	13	22	28	43	213
\$3,000 to \$3,999 .....	437	5	—	5	34	141	—	10	32	25	48	137
\$4,000 to \$4,999 .....	522	8	23	6	44	154	9	9	47	43	101	78
\$5,000 to \$5,999 .....	676	16	37	51	90	147	37	10	86	33	132	37
\$6,000 to \$6,999 .....	632	32	54	63	136	131	30	14	41	34	69	28
\$7,000 to \$9,999 .....	2 361	97	497	404	690	234	62	10	140	95	120	12
\$10,000 to \$14,999 .....	2 801	58	409	724	1 113	126	63	40	142	86	27	13
\$15,000 to \$24,999 .....	1 188	—	84	227	637	81	45	15	51	27	10	11
\$25,000 or more .....	143	—	4	21	71	20	6	—	12	—	—	9
Median .....	\$8 700	\$8 400	\$9 600	\$11 400	\$11 700	\$5 700	\$8 900	\$6 700	\$7 500	\$5 900	\$5 200	\$2 100
<b>VALUE-INCOME RATIO</b>												
Specified owner occupied <sup>1</sup> .....	9 280	209	1 046	1 456	2 726	1 124	233	104	589	439	522	832
Less than 1.5 .....	5 001	129	640	1 030	1 963	374	141	50	279	194	145	56
1.5 to 1.9 .....	1 513	52	255	281	416	171	33	22	90	28	104	61
2.0 to 2.4 .....	802	14	120	89	153	149	35	9	72	39	80	42
2.5 to 2.9 .....	426	5	13	26	90	114	5	5	30	29	27	82
3.0 to 3.9 .....	512	9	5	9	64	157	8	13	46	40	38	123
4.0 or more .....	934	—	10	21	35	149	6	5	67	101	94	446
Not computed .....	92	—	3	—	5	10	5	—	5	8	34	22
<b>Renter occupied housing units</b> .....	9 568	756	980	663	1 027	510	424	100	1 525	133	2 013	1 437
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
With all plumbing facilities .....	9 120	756	975	657	980	495	414	95	1 490	127	1 815	1 316
0.50 or less .....	5 174	243	205	133	470	326	144	33	587	86	1 722	1 225
0.51 to 1.00 .....	3 473	482	662	429	435	160	260	51	769	41	93	91
1.01 to 1.50 .....	363	21	96	64	55	9	10	5	103	—	—	—
1.51 or more .....	110	10	12	31	20	31	—	—	6	—	—	—
Lacking some or all plumbing facilities .....	448	—	5	6	47	15	10	5	35	6	198	121
0.50 or less .....	240	—	—	—	24	15	—	—	12	—	105	69
0.51 to 1.00 .....	185	—	5	—	15	—	—	—	14	6	93	52
1.01 to 1.50 .....	23	—	—	6	8	—	—	—	9	—	—	—
1.51 or more .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>												
1 .....	3 712	214	588	515	635	200	188	55	708	74	325	210
2 to 4 .....	3 789	424	277	110	256	169	166	23	651	31	1 055	627
5 to 19 .....	1 662	118	109	38	119	105	60	22	137	23	520	411
20 or more .....	400	—	6	—	17	36	10	—	29	5	108	189
Mobile home or trailer .....	5	—	—	—	—	—	—	—	—	—	5	—
<b>GROSS RENT</b>												
Specified renter occupied <sup>2</sup> .....	9 532	756	975	659	1 012	510	424	100	1 513	133	2 013	1 437
Less than \$50 .....	528	7	—	—	6	27	21	11	20	4	167	265
\$50 to \$59 .....	496	18	12	—	27	26	19	6	24	8	166	190
\$60 to \$69 .....	915	28	40	39	67	31	21	14	62	20	343	250
\$70 to \$79 .....	1 258	85	25	58	118	92	18	9	180	11	408	254
\$80 to \$99 .....	2 738	350	296	146	240	182	119	46	507	21	583	248
\$100 to \$119 .....	1 654	154	295	172	239	75	76	5	395	32	140	71
\$120 to \$149 .....	1 153	76	201	146	173	31	84	9	237	14	114	68
\$150 to \$199 .....	436	19	71	69	81	26	53	—	53	—	44	20
\$200 to \$299 .....	86	4	15	8	9	5	8	—	17	—	—	10
\$300 or more .....	15	—	—	—	10	—	—	—	5	—	—	—
No cash rent .....	253	15	20	11	42	15	5	—	18	18	48	61
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
Specified renter occupied <sup>2</sup> .....	9 532	756	975	659	1 012	510	424	100	1 513	133	2 013	1 437
Less than \$5,000 .....	4 679	166	126	67	163	235	221	67	972	118	1 219	1 325
Less than 20 percent .....	351	15	—	—	14	16	6	—	30	6	164	100
20 to 24 percent .....	480	22	9	15	17	39	19	20	39	5	183	112
25 to 34 percent .....	918	30	54	11	33	49	36	16	246	22	198	223
35 percent or more .....	2 567	90	63	31	92	111	145	31	591	72	566	775
Not computed .....	363	9	—	10	7	20	15	—	66	13	108	115
\$5,000 to \$9,999 .....	3 528	495	600	340	468	178	152	17	465	15	704	94
Less than 20 percent .....	2 474	373	420	217	326	107	96	13	286	10	564	62
20 to 24 percent .....	621	81	110	67	84	46	18	—	123	—	85	7
25 to 34 percent .....	291	25	35	38	25	20	33	4	46	—	50	15
35 percent or more .....	60	4	15	13	5	—	—	—	5	—	5	5
Not computed .....	82	12	—	5	20	—	—	—	5	—	5	5
\$10,000 to \$14,999 .....	1 036	88	224	184	280	74	46	16	58	—	57	9
Less than 20 percent .....	1 004	88	215	176	265	74	46	16	58	—	57	9
20 to 24 percent .....	17	—	9	8	—	—	—	—	—	—	—	—
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	15	—	—	—	15	—	—	—	—	—	—	—
\$15,000 or more .....	289	7	25	68	101	23	5	—	18	—	33	9
Less than 20 percent .....	277	7	25	62	95	23	5	—	18	—	33	9
20 to 24 percent .....	6	—	—	—	6	—	—	—	—	—	—	—
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	6	—	—	6	—	—	—	—	—	—	—	—

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

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

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

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

Lancaster	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b>	<b>10 300</b>	<b>1 697</b>	<b>3 398</b>	<b>1 726</b>	<b>1 603</b>	<b>937</b>	<b>512</b>	<b>227</b>	<b>200</b>	<b>2.5</b>
<b>BEDROOMS</b>										
None and 1	442	245	179	—	18	—	—	—	—	1.4
2	2 076	385	1 123	359	133	56	—	—	20	2.1
3	5 365	668	1 698	1 117	806	710	255	72	39	2.8
4 or more	2 489	323	653	346	325	262	270	157	153	3.3
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	12	4	—	—	—	4	4	—	—	...
1965 to 1968	217	11	32	64	70	19	17	—	4	3.5
1960 to 1964	472	34	129	90	98	68	22	21	10	3.3
1950 to 1959	1 108	78	301	241	273	141	55	10	9	3.2
1940 to 1949	730	58	262	166	113	75	19	18	19	2.8
1939 or earlier	7 761	1 512	2 674	1 165	1 049	630	395	178	158	2.4
<b>UNITS IN STRUCTURE</b>										
1	9 539	1 392	3 111	1 638	1 566	907	498	227	200	2.7
2 or more	761	305	287	88	37	30	14	—	—	1.8
Mobile home or trailer	—	—	—	—	—	—	—	—	—	—
<b>COMPLETE BATHROOMS</b>										
1 and 1/2	9 251	1 529	2 976	1 610	1 502	764	465	201	204	2.6
2 and 2 1/2	678	91	181	94	180	75	30	22	5	3.2
3 or more	111	38	50	—	14	9	—	—	—	...
None or also used by another household	250	63	112	25	—	42	8	—	—	2.1
<b>HOUSEHOLD COMPOSITION</b>										
Two-or-more-person households	8 603	...	3 398	1 726	1 603	937	512	227	200	3.0
Male head, wife present, no nonrelatives	7 061	...	2 514	1 433	1 401	874	456	212	171	3.2
Under 25 years	220	...	84	54	20	58	4	—	—	3.0
25 to 34 years	1 120	...	56	268	368	245	112	37	34	4.1
35 to 44 years	1 531	...	99	257	399	341	256	91	88	4.5
45 to 64 years	2 967	...	1 270	683	510	236	79	80	49	2.8
65 years and over	1 283	...	1 005	171	66	32	5	4	—	2.1
Other male head	411	...	252	76	37	21	4	5	16	2.3
Under 65 years	272	...	158	60	19	10	4	5	16	2.4
65 years and over	139	...	94	16	18	11	—	—	—	2.2
Female head	1 131	...	632	217	165	42	52	10	13	2.4
Under 65 years	642	...	314	121	121	30	36	7	13	2.6
65 years and over	489	...	318	96	44	12	16	3	—	2.3
One-person households	1 697	1 697	...	...	...	...	...	...	...	1.0
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup>	9 280	1 354	3 017	1 602	1 514	896	485	216	196	2.7
Less than 1.5	5 001	201	1 333	1 069	1 055	670	366	151	156	3.4
1.5 to 1.9	1 513	165	504	303	276	127	73	47	18	2.8
2.0 to 2.4	802	122	331	118	113	67	26	14	11	2.3
2.5 to 2.9	426	109	208	47	37	9	6	4	6	2.0
3.0 to 3.9	512	161	283	36	18	9	5	—	—	1.8
4.0 or more	934	540	325	29	15	11	9	—	5	1.4
Not computed	92	56	33	—	—	3	—	—	—	...
<b>Renter occupied housing units</b>	<b>9 568</b>	<b>3 450</b>	<b>2 541</b>	<b>1 442</b>	<b>865</b>	<b>589</b>	<b>327</b>	<b>231</b>	<b>123</b>	<b>2.0</b>
<b>BEDROOMS</b>										
None	572	534	38	—	—	—	—	—	—	1.0
1	3 934	2 417	1 127	293	38	19	40	—	—	1.3
2	2 592	493	831	636	401	174	14	43	—	2.5
3 or more	2 419	123	439	470	674	196	182	254	81	3.8
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	103	26	23	21	14	11	4	—	4	2.6
1965 to 1968	452	220	88	30	46	21	17	13	17	1.6
1960 to 1964	186	52	50	20	44	10	5	—	5	2.3
1950 to 1959	340	64	117	56	45	37	6	10	5	2.4
1940 to 1949	591	143	142	109	84	64	34	4	11	2.6
1939 or earlier	7 896	2 945	2 121	1 206	632	446	261	204	81	2.0
<b>UNITS IN STRUCTURE</b>										
1	3 712	535	806	688	613	462	291	202	115	3.2
2	1 708	640	557	316	96	54	26	15	4	1.9
3 and 4	2 081	1 042	601	291	86	43	10	8	—	1.5
5 to 9	1 292	734	396	88	40	24	—	6	4	1.4
10 to 19	370	197	101	44	22	6	—	—	—	1.4
20 or more	400	297	80	15	8	—	—	—	—	1.2
Mobile home or trailer	5	5	—	—	—	—	—	—	—	...
<b>COMPLETE BATHROOMS</b>										
1 and 1/2	8 772	3 044	2 441	1 305	716	610	323	205	128	2.0
2 or more	194	52	41	38	28	23	5	—	7	2.6
None or also used by another household	617	333	127	83	41	—	12	11	10	1.4
<b>HOUSEHOLD COMPOSITION</b>										
Two-or-more-person households	6 118	...	2 541	1 442	865	589	327	231	123	2.9
Male head, wife present, no nonrelatives	3 936	...	1 536	878	580	439	247	154	102	3.0
Under 25 years	756	...	353	259	81	43	15	5	5	2.6
25 to 34 years	980	...	182	253	239	156	86	50	14	3.7
35 to 44 years	663	...	98	92	134	149	69	77	44	4.6
45 to 64 years	1 027	...	488	211	113	85	77	27	26	2.6
65 years and over	510	...	415	63	13	6	—	—	13	2.1
Other male head	524	...	262	143	82	32	—	—	5	2.5
Under 65 years	424	...	186	128	78	27	—	—	5	2.7
65 years and over	100	...	76	15	4	5	—	—	—	2.2
Female head	1 658	...	743	421	203	118	80	77	16	2.7
Under 65 years	1 525	...	631	400	203	118	80	77	16	2.8
65 years and over	133	...	112	21	—	—	—	—	—	2.1
One-person households	3 450	3 450	...	...	...	...	...	...	...	1.0
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup>	9 532	3 450	2 536	1 437	854	584	322	231	118	2.0
Less than 10 percent	724	184	263	113	45	51	32	19	17	2.2
10 to 14 percent	1 647	318	560	295	227	137	57	34	19	2.4
15 to 19 percent	1 735	496	467	311	190	119	65	62	25	2.3
20 to 24 percent	1 124	387	301	146	106	71	61	29	23	2.1
25 to 34 percent	1 209	486	243	239	87	75	32	32	15	2.0
35 percent or more	2 627	1 346	584	296	165	116	68	33	19	1.5
Not computed	466	233	118	37	34	15	7	22	—	1.5

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

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

Table B-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]

Lancaster					Lancaster				
	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	143	35	49	59	Vacant for rent	423	214	126	83
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	5	—	—	5	1 room	40	36	—	4
4 rooms	14	5	5	4	2 rooms	51	23	20	8
5 rooms	12	—	4	8	3 rooms	109	56	12	41
6 rooms	53	15	23	15	4 rooms	73	39	18	16
7 rooms or more	59	15	17	27	5 rooms	26	16	10	—
					6 rooms	74	25	35	14
					7 rooms or more	50	19	31	—
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities	130	35	49	46	With all plumbing facilities	370	187	122	61
Lacking some or all plumbing facilities	13	—	—	13	Lacking some or all plumbing facilities	53	27	4	22
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1	—	—	—	—	None	46	46	—	—
2	39	12	27	—	1	214	137	31	46
3	54	14	40	—	2	62	31	15	16
4 or more	54	13	13	28	3 or more	141	47	62	32
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970	9	9	—	—	1969 to March 1970	4	4	—	—
1960 to 1968	4	—	4	—	1960 to 1968	12	10	2	—
1950 to 1959	28	6	15	7	1950 to 1959	14	5	9	—
1949 or earlier	102	20	30	52	1949 or earlier	393	195	115	83
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1	125	31	49	45	1	153	47	76	30
2 or more	18	4	—	14	2 to 4	151	84	38	29
					5 to 9	62	38	4	20
					10 to 19	26	18	4	4
					20 or more	31	27	4	—
<b>HEATING EQUIPMENT</b>					<b>RENT ASKED</b>				
Steam or hot water	44	7	18	19	Specified vacant for rent <sup>2</sup>	423	214	126	83
Warm-air furnace	66	14	27	25	Less than \$50	81	42	8	31
Built-in electric units	14	14	—	—	\$50 to \$59	26	5	15	6
Floor, wall, or pipeless furnace	—	—	—	—	\$60 to \$79	179	80	70	29
Other means	19	—	4	15	\$80 to \$99	80	42	26	12
None	—	—	—	—	\$100 to \$119	30	25	5	—
					\$120 to \$149	16	11	—	5
					\$150 to \$199	11	9	2	—
					\$200 or more	—	—	—	—
					Median rent asked	\$72	\$75	\$71	...
<b>SALES PRICE ASKED</b>									
Specified vacant for sale <sup>1</sup>	121	31	49	41					
Less than \$5,000	22	5	—	17					
\$5,000 to \$9,999	32	—	22	10					
\$10,000 to \$14,999	41	10	23	8					
\$15,000 to \$19,999	24	16	4	4					
\$20,000 to \$24,999	2	—	—	2					
\$25,000 to \$34,999	—	—	—	—					
\$35,000 to \$49,999	—	—	—	—					
\$50,000 or more	—	—	—	—					
Median price asked	\$10 800	...	...	...					

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

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

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

Lancaster	Sales price asked - Vacant for sale <sup>1</sup>						Rent asked - Vacant for rent <sup>2</sup>					
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199 or more
Total	121	54	41	24	2	—	423	107	179	80	46	11
<b>PLUMBING FACILITIES</b>												
With all plumbing facilities	133	53	39	41	—	—	416	125	183	31	62	15
Lacking some or all plumbing facilities	—	—	—	—	—	—	47	31	16	—	—	—
<b>BEDROOMS</b>												
None and 1	—	—	—	—	—	—	260	109	90	15	46	—
2	39	26	13	—	—	—	62	—	31	16	—	15
3	54	27	13	14	—	—	78	31	47	—	—	—
4 or more	40	—	13	27	—	—	63	16	31	—	16	—
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970	9	—	—	9	—	—	4	—	—	—	4	—
1960 to 1968	4	—	4	—	—	—	12	—	4	—	4	4
1950 to 1959	28	5	21	—	2	—	14	5	9	—	—	—
1949 or earlier	80	49	16	15	—	—	393	102	166	80	38	7
<b>UNITS IN STRUCTURE</b>												
1	...	...	...	...	...	...	153	44	72	32	—	5
2 to 4	...	...	...	...	...	...	151	24	61	29	33	4
5 to 19	...	...	...	...	...	...	88	31	30	12	13	2
20 or more	...	...	...	...	...	...	31	8	16	7	—	—
<b>INCLUSION OF UTILITIES IN RENT</b>												
All utilities included	...	...	...	...	...	...	105	29	37	31	8	—
Some or no utilities included	...	...	...	...	...	...	318	78	142	49	38	11

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

## Appendix A.—AREA CLASSIFICATIONS

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.



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

<b>GENERAL</b> .....	App-2
Self-enumeration and census questionnaire .....	App-2
Comparability with 1960 data ..	App-2
<b>LIVING QUARTERS</b> .....	App-3
Housing units .....	App-3
Group quarters .....	App-3
Rules for mobile homes, hotels, rooming houses, etc. ....	App-3
Institutions .....	App-4
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b> .....	App-4
Occupied housing units .....	App-4
Race .....	App-4
Spanish heritage .....	App-4
Tenure .....	App-4
Year moved into unit .....	App-4
Vacant housing units .....	App-4
Vacancy status .....	App-5
Duration of vacancy .....	App-5
<b>UTILIZATION CHARACTERISTICS</b> .....	App-5
Persons .....	App-5
Rooms .....	App-5
Persons per room .....	App-5
Bedrooms .....	App-5
<b>STRUCTURAL AND PLUMBING CHARACTERISTICS</b> .....	App-5
Direct access .....	App-5
Complete kitchen facilities .....	App-5
Year structure built .....	App-6
Units in structure .....	App-6
Elevator in structure .....	App-6
Plumbing facilities .....	App-6
Complete bathrooms .....	App-6
<b>EQUIPMENT, FUELS, AND APPLIANCES</b> .....	App-6
Heating equipment .....	App-6
Air conditioning .....	App-7
Automobiles available .....	App-7
Automatic clothes washing machine .....	App-7
Clothes dryer .....	App-7
Dishwasher .....	App-7
Home food freezer .....	App-7
Owned second home .....	App-7
<b>FINANCIAL CHARACTERISTICS</b> .....	App-7
Value .....	App-7
Sales price asked .....	App-7

Gross rent .....	App-8
Rent asked .....	App-8
Value-income ratio .....	App-8
Gross rent as percentage of income .....	App-8

<b>HOUSEHOLD CHARACTERISTICS</b> .....	App-8
Head of household .....	App-8
Household composition .....	App-8
Nonrelative .....	App-9
Family or primary individual ...	App-9
Income in 1969 .....	App-9

<b>FACSIMILES</b> .....	App-10
Housing Pages in the 1970 Census Questionnaires .....	App-10
Respondent Instructions for the Housing Questions in the 1970 Census .....	App-13

### GENERAL

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

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

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

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

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

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

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

### LIVING QUARTERS

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

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

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

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

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

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

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

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

criteria; other living quarters are considered group quarters.

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

#### OCCUPANCY AND VACANCY CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### UTILIZATION CHARACTERISTICS

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

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

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

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

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

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

#### STRUCTURAL AND PLUMBING CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### EQUIPMENT, FUELS, AND APPLIANCES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### FINANCIAL CHARACTERISTICS

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

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

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

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

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

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

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

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

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

## HOUSEHOLD CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



APPENDIX B—Continued

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

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

APPENDIX B—Continued

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

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

15 and 5 percent

15 percent

APPENDIX B—Continued

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

<p><b>H13.</b> Answer question H13 if you pay rent for your living quarters. In addition to the rent entered in H12, do you also pay for—</p> <p><b>a. Electricity?</b>  <input type="radio"/> Yes, average monthly cost is → \$ _____ .00  <i>Average monthly cost</i>  <input type="radio"/> No, included in rent  <input type="radio"/> No, electricity not used</p> <p><b>b. Gas?</b>  <input type="radio"/> Yes, average monthly cost is → \$ _____ .00  <i>Average monthly cost</i>  <input type="radio"/> No, included in rent  <input type="radio"/> No, gas not used</p> <p><b>c. Water?</b> <input checked="" type="checkbox"/>  <input type="radio"/> Yes, yearly cost is → \$ _____ .00  <i>Yearly cost</i>  <input type="radio"/> No, included in rent or no charge</p> <p><b>d. Oil, coal, kerosene, wood, etc.?</b>  <input type="radio"/> Yes, yearly cost is → \$ _____ .00  <i>Yearly cost</i>  <input type="radio"/> No, included in rent  <input type="radio"/> No, these fuels not used</p>	<p><b>H24a.</b> How many stories (floors) are in this building?  <input type="radio"/> 1 to 3 stories  <input type="radio"/> 4 to 6 stories  <input type="radio"/> 7 to 12 stories  <input checked="" type="radio"/> 13 stories or more</p> <p><b>b.</b> If 4 or more stories— Is there a passenger elevator in this building?  <input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H14.</b> How are your living quarters heated? Fill one circle for the kind of heat you use most.</p> <p><input type="radio"/> Steam or hot water system  <input type="radio"/> Central warm air furnace with ducts to the individual rooms, or central heat pump  <input type="radio"/> Built-in electric units (permanently installed in wall, ceiling, or baseboard) <input checked="" type="checkbox"/>  <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  <input type="radio"/> In some other way—Describe → _____  <input type="radio"/> None, unit has no heating equipment</p>	<p><b>H25a.</b> Which fuel is used most for cooking?  <input checked="" type="checkbox"/> From underground pipes serving the neighborhood.  <input type="radio"/> Gas Bottled, tank, or LP  <input type="radio"/> Electricity  <input type="radio"/> Fuel oil, kerosene, etc.</p> <p><input type="radio"/> Coal or coke  <input type="radio"/> Wood  <input type="radio"/> Other fuel  <input type="radio"/> No fuel used</p> <p><b>b.</b> Which fuel is used most for house heating?  <input checked="" type="checkbox"/> From underground pipes serving the neighborhood.  <input type="radio"/> Gas Bottled, tank, or LP  <input type="radio"/> Electricity  <input type="radio"/> Fuel oil, kerosene, etc.</p> <p><input type="radio"/> Coal or coke  <input type="radio"/> Wood  <input type="radio"/> Other fuel  <input type="radio"/> No fuel used</p> <p><b>c.</b> Which fuel is used most for water heating?  <input checked="" type="checkbox"/> From underground pipes serving the neighborhood.  <input type="radio"/> Gas Bottled, tank, or LP  <input type="radio"/> Electricity  <input type="radio"/> Fuel oil, kerosene, etc.</p> <p><input type="radio"/> Coal or coke  <input type="radio"/> Wood  <input type="radio"/> Other fuel  <input type="radio"/> No fuel used</p>
<p><b>H15.</b> About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</p> <p><input type="radio"/> 1969 or 1970 <input type="radio"/> 1950 to 1959  <input type="radio"/> 1965 to 1968 <input checked="" type="radio"/> 1940 to 1949  <input type="radio"/> 1960 to 1964 <input type="radio"/> 1939 or earlier</p>	<p><b>H26.</b> How many bedrooms do you have? Count rooms used mainly for sleeping even if used also for other purposes.</p> <p><input type="radio"/> No bedroom <input type="radio"/> 3 bedrooms  <input type="radio"/> 1 bedroom <input checked="" type="radio"/> 4 bedrooms  <input type="radio"/> 2 bedrooms <input type="radio"/> 5 bedrooms or more</p>
<p><b>H16.</b> Which best describes this building? Include all apartments, flats, etc., even if vacant.</p> <p><input type="radio"/> A one-family house detached from any other house  <input type="radio"/> A one-family house attached to one or more houses  <input type="radio"/> A building for 2 families  <input type="radio"/> A building for 3 or 4 families  <input type="radio"/> A building for 5 to 9 families  <input checked="" type="radio"/> A building for 10 to 19 families  <input 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><b>H27a.</b> Do you have a clothes washing machine?  <input type="radio"/> Yes, automatic or semi-automatic  <input type="radio"/> Yes, wringer or separate spinner  <input type="radio"/> No</p> <p><b>b.</b> Do you have a clothes dryer?  <input type="radio"/> Yes, electrically heated  <input type="radio"/> Yes, gas heated  <input checked="" type="radio"/> No</p> <p><b>c.</b> Do you have a dishwasher (built-in or portable)?  <input type="radio"/> Yes <input type="radio"/> No</p> <p><b>d.</b> Do you have a home food freezer which is separate from your refrigerator?  <input type="radio"/> Yes <input type="radio"/> No</p>
<p><b>H17.</b> Is this building—  <input type="radio"/> On a city or suburban lot?—Skip to H24  <input type="radio"/> On a place of less than 10 acres?  <input type="radio"/> On a place of 10 acres or more?</p>	<p><b>H28a.</b> Do you have a television set? Count only sets in working order.  <input type="radio"/> Yes, one set  <input type="radio"/> Yes, two or more sets  <input type="radio"/> No</p> <p><b>b.</b> If "Yes"—Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83?  <input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p><b>H18.</b> Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—  <input type="radio"/> Less than \$50 (or None) <input checked="" type="radio"/> \$2,500 to \$4,999  <input type="radio"/> \$50 to \$249 <input type="radio"/> \$5,000 to \$9,999  <input type="radio"/> \$250 to \$2,499 <input type="radio"/> \$10,000 or more</p>	<p><b>H29.</b> Do you have a battery-operated radio? Count car radios, transistors, and other battery-operated sets in working order or needing only a new battery for operation.  <input type="radio"/> Yes, one or more <input type="radio"/> No</p> <p><b>H30.</b> Do you (or any member of your household) own a second home or other living quarters which you occupy sometime during the year?  <input type="radio"/> Yes <input type="radio"/> No</p>

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

APPENDIX C—Continued

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

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

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

TABLE A. Sample Rate for Subjects Included in This Report

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

**RATIO ESTIMATION**

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

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

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

Group

Occupied housing units:

STAGE I			
	<i>Male</i>	<i>Head</i>	<i>With Own</i>
	<i>Children Under 18</i>		
1	1-person	household	
2	2-person	household	
3	3-person	household	
.	.		
.	.		
6	6-or-more-person	household	
	<i>Male</i>	<i>Head</i>	<i>Without Own</i>
	<i>Children Under 18</i>		
7-12	1-person to 6-or-more-	person	households
	<i>Female Head</i>		
13-18	1-person to 6-or-more-	person	households
STAGE II			
	<i>Owner Occupied</i>		
19	Negro		
20	Not Negro		
	<i>Renter Occupied</i>		
21	Negro		
22	Not Negro		

Vacant housing units:

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

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

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

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

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

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

SAMPLING VARIABILITY

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

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

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

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

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

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

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

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

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

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

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



can be computed in a similar manner by multiplying the standard error by the appropriate factors before subtracting from and adding to one-half the number reporting the characteristics. Interpolation to obtain the values corresponding to these numbers gives the confidence limits for the median.

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

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

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

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

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

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

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

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

TABLE D. Factor to be Applied to Standard Errors

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

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

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

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

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

### Housing Census Reports

#### Volume I.

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

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

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

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

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

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

#### Volume II.

##### METROPOLITAN HOUSING CHARACTERISTICS

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

#### Volume III.

##### BLOCK STATISTICS

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

#### Volume IV.

##### COMPONENTS OF INVENTORY CHANGE

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

#### Volume V.

##### RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, 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

**Table**

1, 11, 19	VALUE
2, 12, 20	GROSS RENT
3, 13, 21	INCOME IN 1969
4, 14, 22	PLUMBING FACILITIES BY PERSONS PER ROOM
5, 15, 23	ROOMS
6, 16, 24	UNITS IN STRUCTURE
7, 17, 25	HOUSEHOLD COMPOSITION
8, 18, 26	PERSONS
9	DURATION OF VACANCY
10	SALES PRICE ASKED AND RENT ASKED

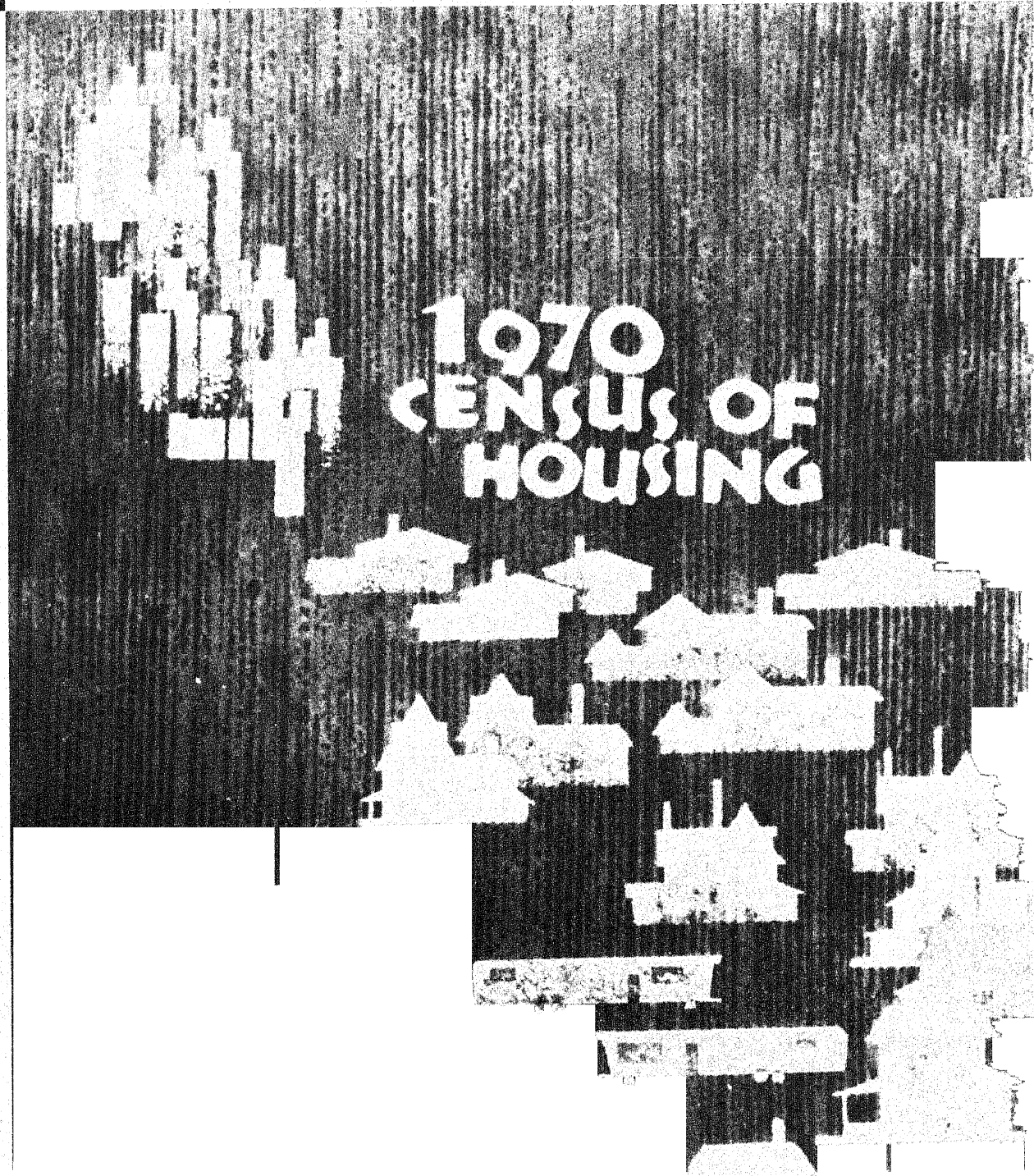
A UNITED STATES  
DEPARTMENT OF  
**COMMERCE**  
PUBLICATION



# Metropolitan Housing Characteristics

LANSING, MICH.  
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-109



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

BUREAU OF  
THE CENSUS

# U. S. DEPARTMENT OF COMMERCE

Peter G. Peterson, Secretary  
James T. Lynn, Under Secretary  
Harold C. Passer, Assistant Secretary for Economic Affairs  
and Administrator,

## Social and Economic Statistics Administration

### BUREAU OF THE CENSUS

George Hay Brown, Director  
Robert L. Hagan, Acting Deputy Director  
Conrad Taeuber, Associate Director  
Daniel B. Levine, Acting Deputy Associate Director  
David L. Kaplan, 1970 Census Coordinator

### HOUSING DIVISION

Arthur F. Young, Chief

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

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

The procedures for sample selection, sample weighting, and computation of sampling variances were developed in the Statistical Methods Division, under the supervision of Morton Boisen, Acting Chief, and Robert H. Hanson and Walter M. Perkins, Assistant Division Chiefs, assisted by William T. Alsbrooks, Peter A. Bounpane, Barbara A. Boyes, and Carlton W. Pruden.

Geographic plans and procedures were developed in the Geography Division under the supervision of William T. Fay, then Chief, and Robert C. Klove and Gerald J. Post, Assistant Division Chiefs.

Data collection activities were administered by the Field Division, Richard C. Burt,

Chief, and Dean H. Weber, Assistant Division Chief, with the assistance of the directors of the Bureau's data collection centers.

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

The manual processing and microfilming of the questionnaires and the review of tabulation controls were performed in the Data Preparation Division (formerly Jeffersonville Census Operations Division), under the direction of Robert L. Hagan, then Chief, with the assistance of Rex L. Pullin. William L. Pangburn supervised the microfilming operation. Dan N. Harding, assisted by Nora H. Shouse, was responsible for the tabulation review work, in which Peter J. Fronczek also made important contributions.

FOSDIC and computer processing were performed in the Computer Services Division under the supervision of James R. Pepal, Chief, and E. Richard Bourdon and James W. Shores, Assistant Division Chiefs. Development of the FOSDIC equipment was directed by William M. Gaines, Assistant

Division Chief, and McRae Anderson. Development of the automatic microfilming equipment was directed by Anthony A. Berlinsky.

Publications planning, editing, composition, and printing procurement were performed in the Publications Services Division, under the direction of Raymond J. Koski, Acting Chief, by Milton S. Andersen, Gerald A. Mann, and Wayne H. Massey.

Important contributions were made by Robert B. Voight and Sherry L. Courtland in the planning and coordination of the 1970 census program; by Lucille D. Catterton in the planning of the tabular materials; and by John W. H. Spencer, Sol Dolleck, and M. Douglas Fahey in the systems design and operations for processing the census data.

### SUGGESTED CITATION

U.S. Bureau of the Census  
Census of Housing: 1970  
METROPOLITAN HOUSING  
CHARACTERISTICS  
Final Report HC(2)-109  
Lansing, Mich. SMSA  
U.S. Government Printing Office  
Washington, D.C. 1972

For sale by the  
Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402, or any  
Department of Commerce Field Office.

Price 55 cents

**1970  
CENSUS OF  
HOUSING**

Metropolitan  
Housing  
Characteristics

LANSING, MICH.  
STANDARD METROPOLITAN  
STATISTICAL AREA

---

For list of contents see page VIII

---

Table

---

1, 11, 19 VALUE

---

2, 12, 20 GROSS RENT

---

3, 13, 21 INCOME IN 1969

---

4, 14, 22 PLUMBING FACILITIES  
BY PERSONS PER ROOM

---

5, 15, 23 ROOMS

---

6, 16, 24 UNITS IN STRUCTURE

---

7, 17, 25 HOUSEHOLD COMPOSITION

---

8, 18, 26 PERSONS

---

9 DURATION OF VACANCY

---

10 SALES PRICE ASKED  
AND RENT ASKED

---



## LIST OF HC(2) REPORTS

Report number	Area	Report number	Area	Report number	Area
1	United States and Regions	43	Chattanooga, Tenn.-Ga. SMSA	85	Greensboro-Winston-Salem-High Point, N.C. SMSA
2	Abilene, Tex. SMSA	44	Chicago, Ill. SMSA	86	Greenville, S.C. SMSA
3	Akron, Ohio SMSA	45	Cincinnati, Ohio-Ky.-Ind. SMSA	87	Hamilton-Middletown, Ohio SMSA
4	Albany, Ga. SMSA	46	Cleveland, Ohio SMSA	88	Harrisburg, Pa. SMSA
5	Albany-Schenectady-Troy, N.Y. SMSA	47	Colorado Springs, Colo. SMSA	89	Hartford, Conn. SMSA
6	Albuquerque, N. Mex. SMSA	48	Columbia, Mo. SMSA	90	Honolulu, Hawaii SMSA
7	Allentown-Bethlehem-Easton, Pa.-N.J. SMSA	49	Columbia, S.C. SMSA	91	Houston, Tex. SMSA
8	Altoona, Pa. SMSA	50	Columbus, Ga.-Ala. SMSA	92	Huntington-Ashland, W. Va.-Ky.-Ohio SMSA
9	Amarillo, Tex. SMSA	51	Columbus, Ohio SMSA	93	Huntsville, Ala. SMSA
10	Anaheim-Santa Ana-Garden Grove, Calif. SMSA	52	Corpus Christi, Tex. SMSA	94	Indianapolis, Ind. SMSA
11	Anderson, Ind. SMSA	53	Dallas, Tex. SMSA	95	Jackson, Mich. SMSA
12	Ann Arbor, Mich. SMSA	54	Danbury, Conn. SMSA	96	Jackson, Miss. SMSA
13	Appleton-Oshkosh, Wis. SMSA	55	Davenport-Rock Island-Moline, Iowa-III. 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	Ponce, 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
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>										
Year moved into unit .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Duration of vacancy .....	—	—	—	9 <sup>1</sup>	9	9	—	—	—	9
<b>UTILIZATION CHARACTERISTICS</b>										
Number of rooms .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	5, 15*, 23†	—	6, 16*, 24†	—	5, 15*, 23†	9	—
Size of household (persons) .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	8, 18*, 26†	8, 18*, 26†	—	—	—
Number of bedrooms .....	1, 11*	2, 12*	3, 13*	—	5, 15*	6, 16*	—	8, 18*	9	10
Persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
<b>PLUMBING CHARACTERISTICS</b>										
Plumbing facilities .....	—	—	—	—	—	—	—	—	9	10
Plumbing facilities by persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
Complete bathrooms .....	1, 11*, 19†	2, 12*, 20†	—	—	5, 15*, 23†	—	—	8, 18*, 26†	—	—
<b>STRUCTURAL CHARACTERISTICS</b>										
Units in structure .....	—	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	—	7, 17*, 25†	8, 18*, 26†	9	10
Year structure built .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	6, 16*, 24†	—	8, 18*, 26†	9	10
Elevator in structure .....	—	2, 12*	—	—	—	—	—	—	—	—
<b>EQUIPMENT AND APPLIANCES</b>										
Heating equipment .....	1, 11*, 19†	—	—	4, 14*, 22†	—	6, 16*, 24†	—	—	9	—
Air conditioning .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Automobiles available .....	—	—	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Second home .....	—	—	3, 13*	—	—	—	—	—	—	—
Automatic clothes washing machine .....	—	—	3, 13*	—	—	—	—	—	—	—
Clothes dryer .....	—	—	3, 13*	—	—	—	—	—	—	—
Dishwasher .....	—	—	3, 13*	—	—	—	—	—	—	—
Home food freezer .....	—	—	3, 13*	—	—	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>										
Value .....	—	—	1, 11*, 19†	1, 11*, 19†	1, 11*, 19†	—	1, 11*, 19†	1, 11*, 19†	—	—
Value-income ratio .....	—	—	—	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent .....	—	—	2, 12*, 20†	2, 12*, 20†	2, 12*, 20†	6, 16*, 24†	7, 17*, 25†	2, 12*, 20†	—	—
Gross rent as percentage of income .....	—	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent as percentage of income by income .....	—	2	—	—	—	—	—	—	—	—
Sales price asked .....	—	—	—	10 <sup>1</sup>	—	—	—	—	9	—
Rent asked .....	—	—	—	10 <sup>1</sup>	—	10	—	—	9	—
Inclusion of utilities in rent .....	—	—	—	—	—	—	—	—	—	10
<b>HOUSEHOLD CHARACTERISTICS</b>										
Household composition by age of head .....	1, 11*, 19†	7, 17*, 25†	7, 17*, 25†	7, 17*, 25†	—	7, 17*, 25†	—	8, 18*, 26†	—	—
Income in 1969 .....	1, 11*, 19†	2, 12*, 20†	—	4, 14*, 22†	3, 13*, 21†	6, 16*, 24†	7, 17*, 25†	3, 13*, 21†	—	—

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

# INTRODUCTION

# APPENDIXES

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

GENERAL .....	V
Organization of the text .....	V
Content of the tables .....	V
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  
**Lansing, Mich.**  
 STANDARD METROPOLITAN STATISTICAL AREA

[Page numbers listed here omit the SMSA prefix number which appears as part of the page number for each page. The prefix for this SMSA is 109.]

page

**MAP**

Counties, Standard Metropolitan  
 Statistical Areas, and Selected Places X

**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	—	—
Lansing .....	B	10 to 18	—	—

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



# Counties, Standard Metropolitan Statistical Areas, and Selected Places

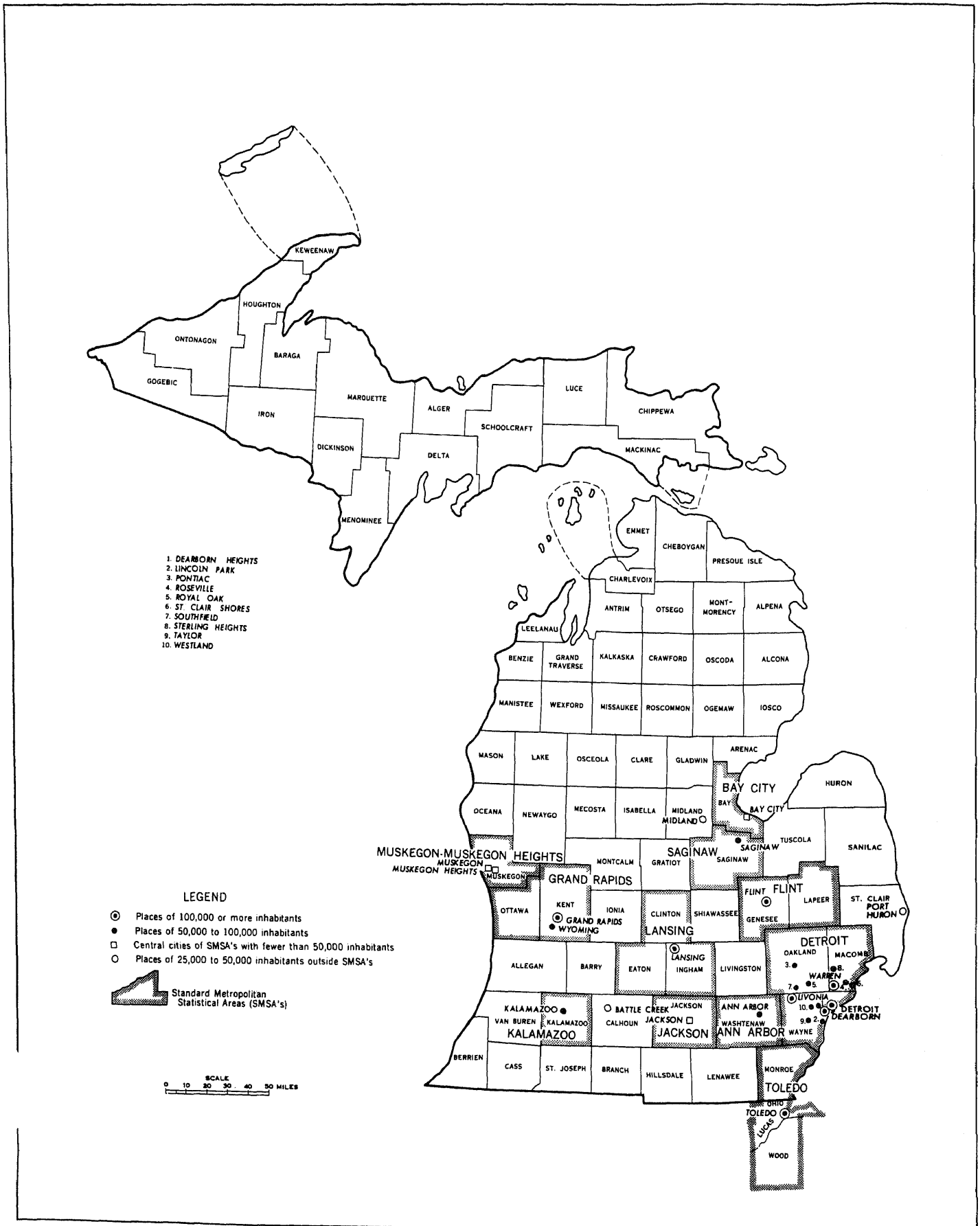










Table A-5. Rooms in Owner and Renter Occupied Housing Units: 1970

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

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b> .....	<b>77 174</b>	<b>130</b>	<b>314</b>	<b>1 410</b>	<b>10 990</b>	<b>20 180</b>	<b>20 698</b>	<b>12 436</b>	<b>11 016</b>	<b>5.8</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	74 909	76	234	1 274	10 577	19 750	20 015	12 279	10 704	5.8
<b>PERSONS</b>										
1 person .....	8 528	44	131	655	2 295	2 280	1 744	794	585	5.0
2 persons .....	21 688	51	106	505	4 826	6 468	5 392	2 689	1 651	5.3
3 persons .....	12 689	10	37	130	1 873	3 702	3 530	2 071	1 336	5.7
4 persons .....	14 026	5	15	61	1 219	3 792	4 364	2 408	2 162	5.9
5 persons .....	9 811	15	15	46	463	2 333	2 735	2 057	2 147	6.2
6 persons or more .....	10 432	5	10	13	314	1 605	2 933	2 417	3 135	6.6
Median .....	3.2	1.9	1.7	1.6	2.2	2.9	3.4	3.8	4.4	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b> .....	<b>75 637</b>	<b>89</b>	<b>251</b>	<b>1 303</b>	<b>10 567</b>	<b>19 833</b>	<b>20 451</b>	<b>12 310</b>	<b>10 833</b>	<b>5.8</b>
0.50 or less .....	38 507	-	108	587	6 850	8 529	10 500	5 459	6 474	5.8
0.51 to 1.00 .....	32 670	21	82	601	2 985	9 729	8 673	6 464	4 115	5.8
1.01 to 1.50 .....	3 918	-	32	61	618	1 422	1 193	348	244	5.4
1.51 or more .....	542	-	29	54	114	153	85	39	-	4.5
<b>Lacking some or all plumbing facilities</b> .....	<b>1 537</b>	<b>41</b>	<b>63</b>	<b>107</b>	<b>423</b>	<b>347</b>	<b>247</b>	<b>126</b>	<b>183</b>	<b>4.9</b>
0.50 or less .....	993	-	23	68	271	219	166	95	151	5.1
0.51 to 1.00 .....	407	23	24	34	107	98	58	31	32	4.7
1.01 to 1.50 .....	87	-	5	-	35	24	23	-	-	...
1.51 or more .....	50	18	11	5	10	6	-	-	-	...
<b>BEDROOMS</b>										
None and 1 .....	3 050	158	320	1 086	922	455	41	-	68	3.5
2 .....	20 966	-	-	272	9 183	8 360	2 501	497	153	4.6
3 .....	36 774	-	-	-	511	10 993	16 000	6 703	2 567	5.9
4 or more .....	16 367	-	-	-	-	178	2 563	5 330	8 296	7.5
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	2 531	5	5	49	585	667	578	290	352	5.4
1960 to 1968 .....	17 981	10	80	238	2 290	4 571	4 720	2 915	3 157	5.9
1950 to 1959 .....	16 602	46	87	370	2 696	6 059	4 246	1 864	1 234	5.3
1949 or earlier .....	40 060	69	142	753	5 419	8 883	11 154	7 367	6 273	5.9
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	63 854	91	229	1 241	10 286	18 681	17 565	9 490	6 271	5.6
2 or more .....	11 181	-	5	46	304	1 097	2 469	2 805	4 455	7.1
None or also used by another household .....	2 121	30	83	156	577	503	369	165	238	4.9
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	<b>61 531</b>	<b>45</b>	<b>114</b>	<b>654</b>	<b>7 370</b>	<b>16 793</b>	<b>17 813</b>	<b>10 301</b>	<b>8 441</b>	<b>5.8</b>
Less than 1.5 .....	26 151	15	39	310	3 433	7 475	7 458	4 302	3 119	5.7
1.5 to 1.9 .....	12 848	5	9	41	1 179	3 667	4 028	2 196	1 723	5.9
2.0 to 2.9 .....	11 649	-	14	76	952	2 806	3 545	2 164	2 092	6.1
3.0 or more .....	10 519	20	52	214	1 735	2 762	2 662	1 601	1 473	5.7
Not computed .....	364	5	-	13	71	83	120	38	34	5.6
<b>Renter occupied housing units</b> .....	<b>33 347</b>	<b>1 267</b>	<b>2 302</b>	<b>8 131</b>	<b>9 998</b>	<b>5 609</b>	<b>3 427</b>	<b>1 428</b>	<b>1 185</b>	<b>4.0</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	30 924	435	1 997	7 670	9 475	5 442	3 257	1 457	1 191	4.1
<b>PERSONS</b>										
1 person .....	8 146	1 135	1 401	2 921	1 717	606	177	107	82	3.0
2 persons .....	10 881	123	697	3 915	3 430	1 625	719	226	146	3.7
3 persons .....	6 084	5	168	908	2 522	1 307	760	242	172	4.3
4 persons .....	4 372	4	28	274	1 697	1 038	785	317	229	4.7
5 persons .....	1 887	-	4	55	457	521	393	243	214	5.3
6 persons or more .....	1 977	-	4	58	175	512	593	293	342	5.9
Median .....	2.3	1.1	1.3	1.8	2.5	2.9	3.6	3.9	4.3	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b> .....	<b>31 579</b>	<b>606</b>	<b>1 993</b>	<b>7 844</b>	<b>9 753</b>	<b>5 467</b>	<b>3 348</b>	<b>1 399</b>	<b>1 169</b>	<b>4.0</b>
0.50 or less .....	13 930	-	1 162	2 753	4 997	2 189	1 612	553	664	4.1
0.51 to 1.00 .....	15 581	545	645	4 731	4 149	2 814	1 443	784	470	4.0
1.01 to 1.50 .....	1 738	-	158	251	565	402	277	50	35	4.3
1.51 or more .....	330	61	28	109	42	62	16	12	-	3.2
<b>Lacking some or all plumbing facilities</b> .....	<b>1 768</b>	<b>661</b>	<b>309</b>	<b>287</b>	<b>245</b>	<b>142</b>	<b>79</b>	<b>29</b>	<b>16</b>	<b>2.2</b>
0.50 or less .....	676	-	239	168	150	42	44	22	11	3.1
0.51 to 1.00 .....	881	590	52	92	70	52	20	7	5	1.2
1.01 to 1.50 .....	113	-	10	23	19	39	15	7	-	4.6
1.51 or more .....	98	71	8	4	6	9	-	-	-	...
<b>BEDROOMS</b>										
None .....	1 841	1 424	396	21	-	-	-	-	-	1.1
1 .....	11 708	-	1 817	7 568	1 947	297	57	22	-	3.0
2 .....	13 272	-	-	792	8 047	3 860	498	75	-	4.2
3 or more .....	6 597	-	-	-	47	1 369	2 858	1 195	1 128	6.2
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	1 481	-	67	337	568	332	149	11	17	4.1
1960 to 1968 .....	9 497	267	759	2 576	3 864	1 379	485	63	104	3.8
1950 to 1959 .....	5 112	119	269	1 626	1 815	749	351	133	50	3.8
1949 or earlier .....	17 257	881	1 207	3 592	3 751	3 149	2 442	1 221	1 014	4.3
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	29 854	533	1 994	7 596	9 211	5 218	3 019	1 345	938	4.0
2 or more .....	1 290	13	22	98	299	240	247	112	259	5.4
None or also used by another household .....	2 221	645	346	418	383	208	180	36	5	2.8
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	<b>31 578</b>	<b>1 261</b>	<b>2 277</b>	<b>8 052</b>	<b>9 820</b>	<b>5 300</b>	<b>2 993</b>	<b>1 123</b>	<b>752</b>	<b>3.9</b>
Less than 10 percent .....	1 592	115	128	414	402	297	172	56	8	3.8
10 to 14 percent .....	5 197	188	258	1 367	1 706	908	478	167	125	4.0
15 to 19 percent .....	5 345	158	333	1 311	1 672	1 028	572	182	89	4.0
20 to 24 percent .....	3 821	135	176	890	1 293	676	442	113	96	4.0
25 to 34 percent .....	4 391	167	326	1 078	1 430	751	425	137	77	3.9
35 percent or more .....	9 204	411	909	2 649	2 869	1 298	631	272	165	3.7
Not computed .....	2 028	87	147	343	448	342	273	196	192	4.5

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

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









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

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

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b> .....	<b>860</b>	<b>258</b>	<b>330</b>	<b>272</b>	<b>Vacant for rent</b> .....	<b>2 587</b>	<b>1 615</b>	<b>707</b>	<b>265</b>
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms .....	24	5	15	4	1 room .....	135	82	47	6
4 rooms .....	97	23	51	23	2 rooms .....	142	86	36	20
5 rooms .....	239	89	53	97	3 rooms .....	659	422	177	60
6 rooms .....	273	101	104	68	4 rooms .....	924	591	252	81
7 rooms or more .....	227	40	107	80	5 rooms .....	478	285	123	70
					6 rooms .....	135	88	38	9
					7 rooms or more .....	114	61	34	19
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities .....	816	248	325	243	With all plumbing facilities .....	2 409	1 520	659	230
Lacking some or all plumbing facilities .....	44	10	5	29	Lacking some or all plumbing facilities .....	178	95	48	35
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1 .....	46	14	-	32	None .....	174	114	45	15
2 .....	316	80	100	136	1 .....	946	682	204	60
3 .....	416	179	144	93	2 .....	1 053	584	276	193
4 or more .....	197	69	111	17	3 or more .....	492	325	148	19
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970 .....	173	81	51	41	1969 to March 1970 .....	590	408	130	52
1960 to 1968 .....	128	43	59	26	1960 to 1968 .....	653	461	163	29
1950 to 1959 .....	97	26	58	13	1950 to 1959 .....	140	97	31	12
1949 or earlier .....	462	108	162	192	1949 or earlier .....	1 204	649	383	172
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1 .....	830	245	319	266	1 .....	493	245	160	88
2 or more .....	30	13	11	6	2 to 4 .....	692	422	209	61
					5 to 9 .....	438	349	39	50
					10 to 19 .....	549	343	157	49
					20 or more .....	415	256	142	17
<b>HEATING EQUIPMENT</b>					<b>RENT ASKED</b>				
Steam or hot water .....	27	3	13	11	<b>Specified vacant for rent<sup>2</sup></b>	<b>2 532</b>	<b>1 593</b>	<b>685</b>	<b>254</b>
Warm-air furnace .....	732	239	273	220	Less than \$50 .....	77	52	25	-
Built-in electric units .....	6	2	4	-	\$50 to \$59 .....	34	7	19	8
Floor, wall, or pipeless furnace .....	18	-	12	6	\$60 to \$79 .....	176	97	64	15
Other means .....	73	14	28	31	\$80 to \$99 .....	265	161	65	39
None .....	4	-	-	4	\$100 to \$119 .....	375	237	107	31
					\$120 to \$149 .....	715	485	141	89
					\$150 to \$199 .....	606	393	167	46
					\$200 or more .....	284	161	97	26
					Median rent asked .....	\$134	\$135	\$133	\$131
<b>SALES PRICE ASKED</b>									
<b>Specified vacant for sale<sup>1</sup></b>	<b>775</b>	<b>224</b>	<b>309</b>	<b>242</b>					
Less than \$5,000 .....	31	-	18	13					
\$5,000 to \$9,999 .....	80	20	30	30					
\$10,000 to \$14,999 .....	170	52	60	58					
\$15,000 to \$19,999 .....	154	62	44	48					
\$20,000 to \$24,999 .....	131	49	55	27					
\$25,000 to \$34,999 .....	118	22	49	47					
\$35,000 to \$49,999 .....	74	17	49	8					
\$50,000 or more .....	17	2	4	11					
Median price asked .....	\$18 500	\$18 200	\$20 200	\$17 100					

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

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

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

The SMSA	Sales price asked - Vacant for sale <sup>1</sup>							Rent asked - Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b> .....	<b>775</b>	<b>111</b>	<b>170</b>	<b>154</b>	<b>131</b>	<b>118</b>	<b>91</b>	<b>2 532</b>	<b>111</b>	<b>176</b>	<b>265</b>	<b>1 090</b>	<b>606</b>	<b>284</b>
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities .....	770	29	222	171	163	43	142	2 519	52	136	263	1 231	581	256
Lacking some or all plumbing facilities .....	65	51	-	14	-	-	-	131	32	46	15	38	-	-
<b>BEDROOMS</b>														
None and 1 .....	32	19	13	-	-	-	-	1 105	32	146	208	508	152	59
2 .....	257	45	116	62	34	-	-	1 053	35	36	37	446	377	122
3 .....	365	16	76	92	83	27	71	368	-	-	16	248	52	52
4 or more .....	181	-	17	31	46	16	71	124	17	-	17	67	-	23
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970 .....	168	-	4	41	45	42	36	590	19	4	-	251	179	137
1960 to 1968 .....	126	5	15	11	29	32	34	649	8	4	17	170	331	119
1950 to 1959 .....	87	4	11	32	12	18	10	140	-	12	17	80	28	3
1949 or earlier .....	394	102	140	70	45	26	11	1 153	64	156	231	589	68	25
<b>UNITS IN STRUCTURE</b>														
1 .....	...	...	...	...	...	...	...	438	7	45	69	240	55	22
2 to 4 .....	...	...	...	...	...	...	...	692	60	91	129	346	40	26
5 to 19 .....	...	...	...	...	...	...	...	987	44	27	50	443	307	116
20 or more .....	...	...	...	...	...	...	...	415	-	13	17	61	204	120
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included .....	...	...	...	...	...	...	...	879	53	97	107	479	112	31
Some or no utilities included .....	...	...	...	...	...	...	...	1 653	58	79	158	611	494	253

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



**Table B-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]

Lansing	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	<b>14 121</b>	<b>287</b>	<b>183</b>	<b>499</b>	<b>575</b>	<b>1 743</b>	<b>2 107</b>	<b>3 560</b>	<b>3 729</b>	<b>960</b>	<b>62</b>	<b>416</b>	<b>132</b>
<b>ROOMS</b>													
1 room	559	121	81	87	92	64	36	51	17	-	5	5	69
2 rooms	1 165	91	43	115	133	247	180	141	200	4	-	11	95
3 rooms	3 233	37	22	148	213	704	633	815	549	70	-	42	115
4 rooms	3 824	27	28	89	95	417	665	1 020	1 099	285	15	84	136
5 rooms	2 924	6	9	50	31	188	404	962	911	254	11	98	143
6 rooms	1 583	-	-	6	5	109	126	419	607	218	17	76	157
7 rooms	532	5	-	4	-	14	43	119	234	56	-	57	161
8 rooms or more	301	-	-	-	6	-	20	33	112	73	14	43	181
Median	4.0	1.7	1.7	2.8	2.8	3.3	3.8	4.3	4.5	5.0	...	5.2	...
<b>PERSONS</b>													
1 person	4 247	245	131	376	390	910	677	718	572	121	6	101	101
2 persons	4 230	34	48	94	112	480	681	1 231	1 206	170	38	136	135
3 persons	2 479	8	-	-	34	183	447	684	857	211	4	51	144
4 persons	1 515	-	4	17	9	72	156	477	471	222	9	78	149
5 persons	732	-	-	4	24	45	71	201	216	138	5	28	152
6 persons or more	918	-	-	8	6	53	75	249	407	98	-	22	157
Median	2.2	1.1	1.2	1.2	1.2	1.5	2.1	2.4	2.6	3.4	...	2.3	...
Units with roomers, boarders, or lodgers	602	-	17	16	12	45	73	137	193	85	9	15	149
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>													
0.50 or less	6 618	84	65	272	273	1 005	1 049	1 613	1 609	366	48	234	128
0.51 to 1.00	5 865	63	20	92	139	506	883	1 653	1 835	506	9	159	141
1.01 to 1.50	680	-	-	8	11	59	69	204	255	69	-	5	148
1.51 or more	117	-	-	-	-	15	8	45	25	19	5	-	144
<b>Lacking some or all plumbing facilities</b>													
0.50 or less	349	46	29	62	70	76	61	-	-	-	-	-	75
0.51 to 1.00	442	94	54	65	72	72	31	36	5	-	-	13	70
1.01 to 1.50	14	-	-	-	4	4	6	-	-	-	-	-	-
1.51 or more	36	-	15	-	6	6	-	9	-	-	-	-	-
<b>BEDROOMS</b>													
None	955	111	125	139	87	196	136	61	100	-	-	-	81
1	5 294	108	88	166	377	1 180	1 205	1 114	911	64	-	81	111
2	5 491	22	38	35	97	413	832	1 527	1 860	496	20	151	144
3 or more	2 473	-	-	43	-	84	178	471	974	555	-	168	169
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	566	26	-	13	4	4	13	68	262	171	5	-	180
1965 to 1968	2 241	33	-	23	21	79	53	512	1 180	247	33	60	166
1960 to 1964	856	5	5	-	5	13	45	230	435	102	5	11	164
1950 to 1959	1 222	3	5	17	18	88	127	387	352	131	5	89	144
1940 to 1949	1 741	5	16	31	95	205	332	614	335	65	-	43	128
1939 or earlier	7 495	215	157	415	432	1 354	1 537	1 749	1 165	244	14	213	114
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	486	-	-	-	43	22	102	62	214	43	-	-	153
With elevator	444	-	-	-	43	22	82	40	214	43	-	-	158
Walk-up	42	-	-	-	-	-	20	22	-	-	-	-	-
1 to 3 floors	13 727	241	251	383	518	1 851	2 249	3 111	3 631	1 072	20	400	131
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	12 436	142	71	344	402	1 447	1 836	3 497	3 601	728	33	335	136
2 or more	519	9	7	7	12	25	14	49	83	205	43	65	210
None or also used by another household	1 147	151	84	177	154	236	161	90	56	15	-	23	80
<b>INCOME IN 1969</b>													
Less than \$2,000	2 064	103	45	195	113	335	297	476	274	129	5	92	113
\$2,000 to \$2,999	1 048	29	16	67	49	186	193	250	152	71	9	26	117
\$3,000 to \$3,999	1 153	71	43	39	54	168	170	255	260	78	-	15	123
\$4,000 to \$4,999	952	12	16	41	68	133	215	193	213	43	-	15	118
\$5,000 to \$5,999	1 047	6	11	44	45	198	198	184	208	37	-	5	122
\$6,000 to \$6,999	1 005	6	5	48	58	141	137	263	243	62	-	42	130
\$7,000 to \$9,999	3 289	42	42	49	122	346	533	833	1 040	182	-	100	137
\$10,000 to \$14,999	2 486	8	5	16	51	179	258	788	899	220	-	62	146
\$15,000 to \$24,999	915	5	-	-	15	53	84	180	407	102	20	49	162
\$25,000 or more	162	5	-	-	-	4	22	35	33	36	23	4	170
Median	\$6 800	\$3 200	\$3 700	\$2 800	\$5 100	\$5 300	\$5 900	\$7 200	\$8 500	\$8 000	...	\$7 200	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	7 828	115	49	162	210	771	1 124	2 129	2 433	691	34	110	140
1968	2 143	24	14	23	143	245	186	596	680	152	28	52	141
1967	1 189	9	19	37	26	165	200	307	314	75	7	30	132
1965 and 1966	1 108	45	44	111	38	170	153	255	192	30	-	70	115
1960 to 1964	906	48	16	93	65	168	180	219	85	-	-	32	105
1950 to 1959	611	38	14	58	78	150	113	94	-	-	7	59	92
1949 or earlier	317	23	6	44	8	39	55	36	36	-	-	70	101
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	760	72	47	40	66	142	173	123	71	14	12	...	102
10 to 14 percent	2 220	42	32	79	174	386	325	593	523	66	-	...	124
15 to 19 percent	2 382	69	10	84	80	284	403	685	657	93	17	...	131
20 to 24 percent	1 786	6	37	28	39	137	293	462	645	125	14	...	143
25 to 34 percent	2 218	25	6	39	92	245	301	575	723	212	-	...	141
35 percent or more	4 064	65	46	215	107	512	560	1 015	1 080	445	19	...	136
Not computed	691	8	5	14	17	37	52	107	30	5	-	416	121
<b>AIR CONDITIONING</b>													
Room unit(s)	3 002	7	13	60	41	134	165	846	1 380	259	12	85	157
Central system	606	-	-	-	7	12	7	44	330	141	44	21	184
None	10 494	295	149	468	520	1 562	1 839	2 746	2 030	548	20	317	123

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





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

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

Lansing	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>28 466</b>	<b>39</b>	<b>95</b>	<b>525</b>	<b>4 902</b>	<b>8 671</b>	<b>8 192</b>	<b>3 853</b>	<b>2 189</b>	<b>5.5</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	27 907	18	68	500	4 721	8 623	7 854	3 912	2 211	5.5
<b>PERSONS</b>										
1 person	3 818	14	40	276	1 203	1 058	790	289	148	4.9
2 persons	8 324	20	15	171	2 184	2 915	1 979	792	248	5.1
3 persons	4 759	—	20	39	789	1 608	1 370	690	243	5.5
4 persons	4 954	—	15	21	475	1 527	1 744	722	450	5.8
5 persons	3 208	5	—	14	153	966	1 009	616	445	6.0
6 persons or more	3 403	—	5	4	98	597	1 300	744	655	6.3
Median	2.9	...	...	1.5	2.1	2.7	3.5	3.7	4.5	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>28 120</b>	<b>30</b>	<b>79</b>	<b>491</b>	<b>4 764</b>	<b>8 589</b>	<b>8 159</b>	<b>3 833</b>	<b>2 175</b>	<b>5.5</b>
0.50 or less	14 579	—	35	259	3 285	3 901	4 120	1 756	1 223	5.5
0.51 to 1.00	11 722	9	10	198	1 234	4 091	1 903	1 903	876	5.6
1.01 to 1.50	1 616	—	20	21	201	535	600	163	76	5.6
1.51 or more	203	21	14	13	44	62	38	11	—	4.7
<b>Lacking some or all plumbing facilities</b>	<b>346</b>	<b>9</b>	<b>16</b>	<b>34</b>	<b>138</b>	<b>82</b>	<b>33</b>	<b>20</b>	<b>14</b>	<b>4.3</b>
0.50 or less	234	—	5	17	102	72	19	15	4	4.4
0.51 to 1.00	91	5	5	12	30	10	14	5	10	...
1.01 to 1.50	—	—	—	—	—	—	—	—	—	...
1.51 or more	21	4	6	5	6	—	—	—	—	...
<b>BEDROOMS</b>										
None and 1	1 357	38	139	415	492	254	19	—	—	3.7
2	9 234	—	—	36	4 025	3 865	1 066	226	16	4.6
3	13 448	—	—	—	223	4 355	6 488	1 864	518	5.8
4 or more	4 326	—	—	—	—	62	1 206	1 590	1 468	7.1
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	611	5	—	29	98	216	141	78	44	5.3
1960 to 1968	4 853	5	12	49	406	1 475	1 565	686	655	5.8
1950 to 1959	6 539	—	15	91	1 370	2 545	1 603	666	249	5.2
1949 or earlier	16 463	29	68	356	3 028	4 435	4 883	2 423	1 241	5.6
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	25 012	26	63	476	4 564	8 186	7 120	3 153	1 424	5.4
2 or more	2 939	—	5	31	157	445	740	765	796	6.6
None or also used by another household	525	14	13	55	210	133	55	32	13	4.4
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>25 787</b>	<b>15</b>	<b>52</b>	<b>231</b>	<b>4 096</b>	<b>7 742</b>	<b>7 840</b>	<b>3 702</b>	<b>2 109</b>	<b>5.6</b>
Less than 1.5	11 543	—	15	112	1 852	3 570	3 520	1 618	856	5.6
1.5 to 1.9	5 326	5	—	6	649	1 777	1 811	811	428	5.7
2.0 to 2.9	4 227	—	9	22	551	1 202	1 310	623	510	5.8
3.0 or more	4 508	10	28	87	1 001	1 288	1 158	629	307	5.4
Not computed	183	—	—	4	43	32	75	21	8	5.7
<b>Renter occupied housing units</b>	<b>14 181</b>	<b>559</b>	<b>1 165</b>	<b>3 239</b>	<b>3 831</b>	<b>2 944</b>	<b>1 589</b>	<b>537</b>	<b>317</b>	<b>4.1</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	12 882	138	917	2 982	3 505	2 903	1 550	556	331	4.2
<b>PERSONS</b>										
1 person	4 258	522	845	1 560	813	343	109	61	5	3.0
2 persons	4 230	28	251	1 241	1 511	822	268	82	27	3.9
3 persons	2 498	5	53	349	880	721	376	69	45	4.5
4 persons	1 524	4	16	62	452	483	335	130	42	5.0
5 persons	741	—	—	11	115	294	198	54	69	5.3
6 persons or more	930	—	—	16	60	281	303	141	129	5.9
Median	2.2	1.0	1.2	1.5	2.2	2.9	3.6	3.9	5.1	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>13 340</b>	<b>214</b>	<b>932</b>	<b>3 102</b>	<b>3 746</b>	<b>2 917</b>	<b>1 575</b>	<b>537</b>	<b>317</b>	<b>4.1</b>
0.50 or less	6 639	—	666	1 473	2 262	1 150	747	212	129	4.0
0.51 to 1.00	5 892	205	215	1 540	1 313	1 486	675	293	165	4.3
1.01 to 1.50	692	—	43	62	148	249	147	20	23	4.9
1.51 or more	117	9	8	27	23	32	6	12	—	4.1
<b>Lacking some or all plumbing facilities</b>	<b>841</b>	<b>345</b>	<b>233</b>	<b>137</b>	<b>85</b>	<b>27</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>1.8</b>
0.50 or less	349	—	179	87	62	15	6	—	—	2.5
0.51 to 1.00	442	317	36	50	19	12	8	—	—	1.2
1.01 to 1.50	14	—	10	—	4	—	—	—	—	...
1.51 or more	36	28	8	—	—	—	—	—	—	...
<b>BEDROOMS</b>										
None	955	632	302	21	—	—	—	—	—	1.3
2	5 294	—	866	3 206	1 121	101	—	—	—	3.1
3 or more	5 512	—	—	104	2 917	2 124	292	75	—	4.4
	2 496	—	—	—	—	624	1 231	368	273	6.0
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	572	—	41	125	242	108	39	—	17	4.0
1960 to 1968	3 115	21	261	769	1 135	669	193	20	47	3.9
1950 to 1959	1 235	49	63	200	350	353	145	59	16	4.4
1949 or earlier	9 259	489	800	2 145	2 104	1 814	1 212	458	237	4.1
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	12 489	196	904	2 967	3 384	2 812	1 449	531	246	4.1
2 or more	525	9	13	33	145	99	110	25	91	5.1
None or also used by another household	1 147	315	275	245	164	65	61	22	—	2.4
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>14 121</b>	<b>559</b>	<b>1 165</b>	<b>3 233</b>	<b>3 824</b>	<b>2 924</b>	<b>1 583</b>	<b>532</b>	<b>301</b>	<b>4.1</b>
Less than 10 percent	760	67	97	152	184	150	89	21	—	3.8
10 to 14 percent	2 220	73	155	553	679	433	229	56	42	4.0
15 to 19 percent	2 382	94	214	512	615	571	267	74	35	4.1
20 to 24 percent	1 786	53	112	386	501	394	241	52	47	4.2
25 to 34 percent	2 218	89	183	497	614	462	243	85	45	4.1
35 percent or more	4 064	158	366	1 012	1 103	770	403	170	82	3.9
Not computed	691	25	38	121	128	144	111	74	50	4.7

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

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







**Table B-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)

Lansing	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b> .....	<b>28 466</b>	<b>3 818</b>	<b>8 324</b>	<b>4 759</b>	<b>4 954</b>	<b>3 208</b>	<b>1 724</b>	<b>973</b>	<b>706</b>	<b>2.9</b>
<b>BEDROOMS</b>										
None and 1 .....	1 357	663	508	58	88	-	40	-	-	1.5
2 .....	9 234	1 604	4 395	1 842	1 033	210	60	90	-	2.2
3 .....	13 448	1 101	3 063	2 670	3 212	1 785	926	468	223	3.5
4 or more .....	4 326	199	610	205	742	996	618	657	299	4.9
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	611	20	143	172	134	52	37	29	24	3.3
1965 to 1968 .....	2 362	153	388	437	649	391	204	90	50	3.8
1960 to 1964 .....	2 491	166	511	401	645	397	239	69	63	3.8
1950 to 1959 .....	6 539	557	1 903	1 232	1 295	903	398	136	115	3.2
1940 to 1949 .....	4 210	575	1 351	767	663	453	245	110	46	2.7
1939 or earlier .....	12 253	2 347	4 028	1 750	1 568	1 012	601	539	408	2.4
<b>UNITS IN STRUCTURE</b>										
1 .....	26 352	3 148	7 604	4 379	4 729	3 156	1 689	952	695	3.1
2 or more .....	1 816	562	597	341	201	48	35	21	11	2.1
Mobile home or trailer .....	298	108	123	39	24	4	-	-	-	1.8
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	25 012	3 426	7 425	4 239	4 346	2 855	1 429	739	553	2.9
2 and 2 1/2 .....	2 748	219	568	465	548	357	292	132	167	3.7
3 or more .....	191	39	47	26	25	14	12	-	28	2.9
None or also used by another household .....	525	195	187	50	31	36	6	13	7	1.9
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>24 648</b>	...	<b>8 324</b>	<b>4 759</b>	<b>4 954</b>	<b>3 208</b>	<b>1 724</b>	<b>973</b>	<b>706</b>	<b>3.3</b>
Male head, wife present, no nonrelatives .....	21 277	...	6 722	4 026	4 494	2 983	1 539	846	647	3.5
Under 25 years .....	1 113	...	299	499	254	49	-	12	-	3.0
25 to 34 years .....	4 798	...	399	893	1 716	1 100	434	156	100	4.1
35 to 44 years .....	4 614	...	336	520	1 079	1 152	705	441	381	4.8
45 to 64 years .....	7 922	...	3 395	1 742	1 352	642	405	220	166	2.8
65 years and over .....	2 830	...	2 293	372	93	40	15	17	-	2.1
Other male head .....	840	...	483	178	56	45	27	31	20	2.4
Under 65 years .....	598	...	283	149	53	45	27	10	-	2.6
65 years and over .....	242	...	200	29	3	-	-	96	39	2.1
Female head .....	2 531	...	1 119	555	404	180	138	90	39	2.8
Under 65 years .....	2 048	...	799	439	375	180	126	90	39	3.0
65 years and over .....	483	...	320	116	29	-	12	6	-	2.3
<b>One-person households</b> .....	<b>3 818</b>	<b>3 818</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>VALUE-INCOME RATIO</b>										
Specified owner occupied <sup>1</sup> .....	25 787	3 022	7 483	4 273	4 616	3 119	1 645	940	689	3.1
Less than 1.5 .....	11 543	383	3 239	2 196	2 401	1 494	913	496	421	3.5
1.5 to 1.9 .....	5 326	310	1 415	967	1 090	632	373	209	130	3.5
2.0 to 2.4 .....	2 896	239	811	498	563	456	177	100	52	3.3
2.5 to 2.9 .....	1 331	237	460	172	205	126	44	40	47	2.4
3.0 to 3.9 .....	1 467	325	606	159	186	102	31	42	16	2.2
4.0 or more .....	3 041	1 466	929	253	146	97	83	49	18	1.6
Not computed .....	183	62	23	28	25	12	24	4	5	2.7
<b>Renter occupied housing units</b> .....	<b>14 181</b>	<b>4 258</b>	<b>4 230</b>	<b>2 498</b>	<b>1 524</b>	<b>741</b>	<b>426</b>	<b>311</b>	<b>193</b>	<b>2.2</b>
<b>BEDROOMS</b>										
None .....	955	897	23	-	35	-	-	-	-	1.0
1 .....	5 294	2 604	1 962	654	37	37	-	-	-	1.5
2 .....	5 512	744	1 751	1 432	1 022	347	168	48	-	2.7
3 or more .....	2 496	152	221	435	541	477	309	220	141	4.3
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	572	91	197	127	86	16	38	-	17	2.5
1965 to 1968 .....	2 259	521	763	444	288	116	76	29	22	2.3
1960 to 1964 .....	856	267	281	151	82	50	25	-	-	2.1
1950 to 1959 .....	1 235	224	342	288	167	95	76	33	10	2.7
1940 to 1949 .....	1 751	411	562	333	238	131	29	28	19	2.3
1939 or earlier .....	7 508	2 744	2 085	1 155	663	333	182	221	125	2.0
<b>UNITS IN STRUCTURE</b>										
1 .....	4 992	592	1 152	1 094	880	505	321	272	176	3.2
2 .....	2 814	748	1 083	530	259	116	47	21	10	2.1
3 and 4 .....	1 931	897	576	296	78	46	26	5	7	1.6
5 to 9 .....	1 444	717	413	168	93	30	23	-	-	1.5
10 to 19 .....	1 559	562	605	243	105	31	5	8	-	1.9
20 or more .....	1 423	742	383	167	109	13	4	5	-	1.5
Mobile home or trailer .....	18	-	18	-	-	-	-	-	-	...
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	12 489	3 370	3 937	2 320	1 347	664	382	304	165	2.2
2 or more .....	525	103	140	65	109	49	12	7	40	2.8
None or also used by another household .....	1 147	738	220	110	51	10	12	-	6	1.3
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>9 923</b>	...	<b>4 230</b>	<b>2 498</b>	<b>1 524</b>	<b>741</b>	<b>426</b>	<b>311</b>	<b>193</b>	<b>2.8</b>
Male head, wife present, no nonrelatives .....	6 708	...	2 739	1 659	985	574	363	246	142	2.9
Under 25 years .....	2 150	...	1 130	634	236	104	31	-	15	2.5
25 to 34 years .....	2 270	...	551	654	457	268	171	130	39	3.4
35 to 44 years .....	818	...	139	119	119	133	132	79	70	4.5
45 to 64 years .....	1 052	...	580	176	159	58	37	18	24	2.4
65 years and over .....	418	...	339	49	14	5	5	5	5	2.1
Other male head .....	1 008	...	548	260	149	31	10	5	5	2.4
Under 65 years .....	960	...	521	239	149	31	-	-	-	...
65 years and over .....	48	...	27	21	-	-	-	-	-	2.8
Female head .....	2 207	...	943	579	390	136	53	60	46	2.9
Under 65 years .....	2 065	...	833	547	390	136	53	60	46	2.1
65 years and over .....	142	...	110	32	-	-	-	-	-	1.0
<b>One-person households</b> .....	<b>4 258</b>	<b>4 258</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
Specified renter occupied <sup>2</sup> .....	14 121	4 247	4 230	2 479	1 515	732	426	311	181	2.2
Less than 10 percent .....	760	203	296	123	57	44	21	11	5	2.1
10 to 14 percent .....	2 220	537	786	471	155	118	59	58	36	2.2
15 to 19 percent .....	2 382	634	772	429	276	129	55	48	39	2.2
20 to 24 percent .....	1 786	528	516	279	242	71	82	50	18	2.2
25 to 34 percent .....	2 218	686	616	356	245	145	82	39	29	2.2
35 percent or more .....	4 064	1 434	1 069	726	417	175	108	93	42	2.1
Not computed .....	691	225	175	95	103	50	19	12	12	2.2

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

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

Table 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]

Lansing					Lansing				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b> .....	418	131	173	114	<b>Vacant for rent</b> .....	1 598	1 003	448	147
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms .....	15	-	15	-	1 room .....	78	45	27	6
4 rooms .....	58	13	29	16	2 rooms .....	96	57	24	15
5 rooms .....	129	49	33	47	3 rooms .....	425	265	117	43
6 rooms .....	136	61	56	19	4 rooms .....	504	310	159	35
7 rooms or more .....	80	8	40	32	5 rooms .....	345	230	80	35
					6 rooms .....	78	51	18	9
					7 rooms or more .....	72	45	23	4
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities .....	413	126	173	114	With all plumbing facilities .....	1 531	964	426	141
Lacking some or all plumbing facilities .....	5	5	-	-	Lacking some or all plumbing facilities .....	67	39	22	6
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1 .....	13	-	-	13	None .....	75	45	30	-
2 .....	120	30	17	73	1 .....	659	465	149	45
3 .....	179	93	43	43	2 .....	545	265	172	108
4 or more .....	61	17	44	-	3 or more .....	369	274	95	-
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970 .....	40	24	7	9	1969 to March 1970 .....	439	331	72	36
1960 to 1968 .....	60	25	31	4	1960 to 1968 .....	271	174	89	8
1950 to 1959 .....	46	17	20	9	1950 to 1959 .....	50	29	9	12
1949 or earlier .....	272	65	115	92	1949 or earlier .....	838	469	278	91
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1 .....	398	122	162	114	1 .....	303	145	109	49
2 or more .....	20	9	11	-	2 to 4 .....	495	320	146	29
					5 to 9 .....	361	295	24	42
					10 to 19 .....	204	134	60	10
					20 or more .....	235	109	109	17
<b>HEATING EQUIPMENT</b>					<b>RENT ASKED</b>				
Steam or hot water .....	7	3	4	-	<b>Specified vacant for rent<sup>2</sup></b> .....	1 594	999	448	147
Warm-air furnace .....	375	125	144	106	Less than \$50 .....	49	33	16	-
Built-in electric units .....	4	-	4	-	\$50 to \$59 .....	20	4	11	5
Floor, wall, or pipeless furnace .....	6	-	3	3	\$60 to \$79 .....	108	54	48	6
Other means .....	26	-	18	5	\$80 to \$99 .....	176	105	46	25
None .....	-	-	-	-	\$100 to \$119 .....	266	156	94	16
					\$120 to \$149 .....	538	380	91	67
					\$150 to \$199 .....	295	178	99	18
					\$200 or more .....	142	89	43	10
<b>SALES PRICE ASKED</b>					Median rent asked .....	\$130	\$132	\$123	\$130
<b>Specified vacant for sale<sup>1</sup></b> .....	398	122	162	114					
Less than \$5,000 .....	13	-	13	-					
\$5,000 to \$9,999 .....	52	14	21	17					
\$10,000 to \$14,999 .....	138	48	42	42					
\$15,000 to \$19,999 .....	85	21	36	28					
\$20,000 to \$24,999 .....	63	28	21	14					
\$25,000 to \$34,999 .....	37	8	20	9					
\$35,000 to \$49,999 .....	10	3	3	4					
\$50,000 or more .....	-	-	-	-					
Median price asked .....	\$14 900	\$14 900	\$14 900	\$14 800					

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

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

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

Lansing	Sales price asked—Vacant for sale <sup>1</sup>							Rent asked—Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b> .....	398	65	138	85	63	37	10	1 594	69	108	176	804	295	142
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities .....	343	13	183	108	26	13	-	1 618	17	45	193	943	293	127
Lacking some or all plumbing facilities .....	-	-	-	-	-	-	-	30	-	30	-	-	-	-
<b>BEDROOMS</b>														
None and 1 .....	13	-	13	-	-	-	-	734	-	75	159	395	46	59
2 .....	107	13	77	17	-	-	-	545	-	-	17	282	195	51
3 .....	162	-	76	60	13	13	-	287	-	-	-	218	52	17
4 or more .....	61	-	17	31	13	-	-	82	17	-	17	48	-	-
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970 .....	37	-	-	8	12	13	4	439	19	-	-	239	110	71
1960 to 1968 .....	60	-	15	11	19	9	6	267	-	-	3	71	139	54
1950 to 1959 .....	46	-	11	20	9	6	-	50	-	5	4	32	9	-
1949 or earlier .....	255	65	112	46	23	9	-	838	50	103	169	462	37	17
<b>UNITS IN STRUCTURE</b>														
1 .....	...	...	...	...	...	...	...	299	4	26	49	170	38	12
2 to 4 .....	...	...	...	...	...	...	...	495	38	52	88	280	19	18
5 to 19 .....	...	...	...	...	...	...	...	565	27	21	22	314	144	37
20 or more .....	...	...	...	...	...	...	...	235	-	9	17	40	94	75
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included .....	...	...	...	...	...	...	...	656	25	61	76	384	90	20
Some or no utilities included .....	...	...	...	...	...	...	...	938	44	47	100	420	205	122

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

## Appendix A.—AREA CLASSIFICATIONS

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.

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

<b>GENERAL</b> .....	App-2
Self-enumeration and census questionnaire .....	App-2
Comparability with 1960 data ..	App-2
<b>LIVING QUARTERS</b> .....	App-3
Housing units .....	App-3
Group quarters .....	App-3
Rules for mobile homes, hotels, rooming houses, etc. ....	App-3
Institutions .....	App-4
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b> .....	App-4
Occupied housing units .....	App-4
Race .....	App-4
Spanish heritage .....	App-4
Tenure .....	App-4
Year moved into unit .....	App-4
Vacant housing units .....	App-4
Vacancy status .....	App-5
Duration of vacancy .....	App-5
<b>UTILIZATION CHARACTERISTICS</b> .....	App-5
Persons .....	App-5
Rooms .....	App-5
Persons per room .....	App-5
Bedrooms .....	App-5
<b>STRUCTURAL AND PLUMBING CHARACTERISTICS</b> .....	App-5
Direct access .....	App-5
Complete kitchen facilities ..	App-5
Year structure built .....	App-6
Units in structure .....	App-6
Elevator in structure .....	App-6
Plumbing facilities .....	App-6
Complete bathrooms .....	App-6
<b>EQUIPMENT, FUELS, AND APPLIANCES</b> .....	App-6
Heating equipment .....	App-6
Air conditioning .....	App-7
Automobiles available .....	App-7
Automatic clothes washing machine .....	App-7
Clothes dryer .....	App-7
Dishwasher .....	App-7
Home food freezer .....	App-7
Owned second home .....	App-7
<b>FINANCIAL CHARACTERISTICS</b> .....	App-7
Value .....	App-7
Sales price asked .....	App-7

Gross rent .....	App-8
Rent asked .....	App-8
Value-income ratio .....	App-8
Gross rent as percentage of income .....	App-8

<b>HOUSEHOLD CHARACTERISTICS</b> .....	App-8
Head of household .....	App-8
Household composition .....	App-8
Nonrelative .....	App-9
Family or primary individual ...	App-9
Income in 1969 .....	App-9

<b>FACSIMILES</b> .....	App-10
Housing Pages in the 1970 Census Questionnaires .....	App-10
Respondent Instructions for the Housing Questions in the 1970 Census .....	App-13

### GENERAL

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

### Comparability with 1960 data.—

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

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

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

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

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

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

#### LIVING QUARTERS

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

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

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

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

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

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

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

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

criteria; other living quarters are considered group quarters.

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

#### OCCUPANCY AND VACANCY CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### UTILIZATION CHARACTERISTICS

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

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

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

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

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

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

#### STRUCTURAL AND PLUMBING CHARACTERISTICS

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### EQUIPMENT, FUELS, AND APPLIANCES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### FINANCIAL CHARACTERISTICS

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

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

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

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

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

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

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

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

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

## HOUSEHOLD CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX B—Continued

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

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

APPENDIX B—Continued

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

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

15 and 5 percent

15 percent

APPENDIX B—Continued

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

15 and 5 percent

5 percent

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

## APPENDIX B—Continued

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

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

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



## Appendix C.—ACCURACY OF THE DATA

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

### SOURCES OF ERROR

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

### EDITING OF UNACCEPTABLE DATA

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

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

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

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

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

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

### SAMPLE DESIGN

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

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

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

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

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

TABLE A. Sample Rate for Subjects Included in This Report

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

**RATIO ESTIMATION**

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

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

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

Group

**Occupied housing units:**

STAGE I

	<i>Male Head With Own Children Under 18</i>
1	1-person household
2	2-person household
3	3-person household
.	.
.	.
6	6-or-more-person household
	<i>Male Head Without Own Children Under 18</i>
7-12	1-person to 6-or-more-person households
	<i>Female Head</i>
13-18	1-person to 6-or-more-person households

STAGE II

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

**Vacant housing units:**

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

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

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

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

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

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

**SAMPLING VARIABILITY**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TABLE D. Factor to be Applied to Standard Errors

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

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

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

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

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

### Housing Census Reports

#### Volume I.

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

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

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

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

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

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

#### Volume II. METROPOLITAN HOUSING CHARACTERISTICS

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

#### Volume III.

##### BLOCK STATISTICS

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

#### Volume IV.

##### COMPONENTS OF INVENTORY CHANGE

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

#### Volume V.

##### RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, 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.



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

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF COMMERCE  
202



OFFICIAL BUSINESS

---

Table

---

1, 11, 19 VALUE

---

2, 12, 20 GROSS RENT

---

3, 13, 21 INCOME IN 1969

---

4, 14, 22 PLUMBING FACILITIES  
BY PERSONS PER ROOM

---

5, 15, 23 ROOMS

---

6, 16, 24 UNITS IN STRUCTURE

---

7, 17, 25 HOUSEHOLD COMPOSITION

---

8, 18, 26 PERSONS

---

9 DURATION OF VACANCY

---

10 SALES PRICE ASKED  
AND RENT ASKED

---

UNITED STATES  
DEPARTMENT OF  
**COMMERCE**  
PUBLICATION



# Metropolitan Housing Characteristics

LAREDO, TEX.  
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-110

A large graphic for the 1970 Census of Housing. It features a dark background with a white silhouette of a city skyline on the left and a cluster of white house silhouettes on the right. The text "1970 CENSUS OF HOUSING" is prominently displayed in the center in a bold, white, sans-serif font.

1970  
CENSUS OF  
HOUSING

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

BUREAU OF  
THE CENSUS

# U. S. DEPARTMENT OF COMMERCE

Peter G. Peterson, Secretary  
James T. Lynn, Under Secretary  
Harold C. Passer, Assistant Secretary for Economic Affairs  
and Administrator,

## Social and Economic Statistics Administration

### BUREAU OF THE CENSUS

George Hay Brown, Director  
Robert L. Hagan, Acting Deputy Director  
Conrad Taeuber, Associate Director  
Daniel B. Levine, Acting Deputy Associate Director  
David L. Kaplan, 1970 Census Coordinator

### HOUSING DIVISION

Arthur F. Young, Chief

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

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

The procedures for sample selection, sample weighting, and computation of sampling variances were developed in the Statistical Methods Division, under the supervision of Morton Boisen, Acting Chief, and Robert H. Hanson and Walter M. Perkins, Assistant Division Chiefs, assisted by William T. Alsbrooks, Peter A. Bounpane, Barbara A. Boyes, and Carlton W. Pruden.

Geographic plans and procedures were developed in the Geography Division under the supervision of William T. Fay, then Chief, and Robert C. Klove and Gerald J. Post, Assistant Division Chiefs.

Data collection activities were administered by the Field Division, Richard C. Burt,

Chief, and Dean H. Weber, Assistant Division Chief, with the assistance of the directors of the Bureau's data collection centers.

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

The manual processing and microfilming of the questionnaires and the review of tabulation controls were performed in the Data Preparation Division (formerly Jeffersonville Census Operations Division), under the direction of Robert L. Hagan, then Chief, with the assistance of Rex L. Pullin. William L. Pangburn supervised the microfilming operation. Dan N. Harding, assisted by Nora H. Shouse, was responsible for the tabulation review work, in which Peter J. Fronczek also made important contributions.

FOSDIC and computer processing were performed in the Computer Services Division under the supervision of James R. Pepal, Chief, and E. Richard Bourdon and James W. Shores, Assistant Division Chiefs. Development of the FOSDIC equipment was directed by William M. Gaines, Assistant

Division Chief, and McRae Anderson. Development of the automatic microfilming equipment was directed by Anthony A. Berlinsky.

Publications planning, editing, composition, and printing procurement were performed in the Publications Services Division, under the direction of Raymond J. Koski, Acting Chief, by Milton S. Andersen, Gerald A. Mann, and Wayne H. Massey.

Important contributions were made by Robert B. Voight and Sherry L. Courtland in the planning and coordination of the 1970 census program; by Lucille D. Catterton in the planning of the tabular materials; and by John W. H. Spencer, Sol Dolleck, and M. Douglas Fahey in the systems design and operations for processing the census data.

### SUGGESTED CITATION

U.S. Bureau of the Census  
Census of Housing: 1970  
METROPOLITAN HOUSING  
CHARACTERISTICS  
Final Report HC(2)-110 Laredo, Tex. SMSA

U.S. Government Printing Office  
Washington, D.C. 1972

For sale by the  
Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402, or any  
Department of Commerce Field Office.

Price 65 cents

**1970  
CENSUS OF  
HOUSING**

Metropolitan  
Housing  
Characteristics

**LAREDO, TEX.  
STANDARD METROPOLITAN  
STATISTICAL AREA**

For list of contents see page VIII

Table

1, 11, 19	VALUE
2, 12, 20	GROSS RENT
3, 13, 21	INCOME IN 1969
4, 14, 22	PLUMBING FACILITIES BY PERSONS PER ROOM
5, 15, 23	ROOMS
6, 16, 24	UNITS IN STRUCTURE
7, 17, 25	HOUSEHOLD COMPOSITION
8, 18, 26	PERSONS
9	DURATION OF VACANCY
10	SALES PRICE ASKED AND RENT ASKED

# LIST OF HC(2) REPORTS

Report number	Area	Report number	Area	Report number	Area
1	United States and Regions	43	Chattanooga, Tenn.-Ga. SMSA	85	Greensboro-Winston-Salem-High Point, N.C. SMSA
2	Abilene, Tex. SMSA	44	Chicago, Ill. SMSA	86	Greenville, S.C. SMSA
3	Akron, Ohio SMSA	45	Cincinnati, Ohio-Ky.-Ind. SMSA	87	Hamilton-Middletown, Ohio SMSA
4	Albany, Ga. SMSA	46	Cleveland, Ohio SMSA	88	Harrisburg, Pa. SMSA
5	Albany-Schenectady-Troy, N.Y. SMSA	47	Colorado Springs, Colo. SMSA	89	Hartford, Conn. SMSA
6	Albuquerque, N. Mex. SMSA	48	Columbia, Mo. SMSA	90	Honolulu, Hawaii SMSA
7	Allentown-Bethlehem-Easton, Pa.-N.J. SMSA	49	Columbia, S.C. SMSA	91	Houston, Tex. SMSA
8	Altoona, Pa. SMSA	50	Columbus, Ga.-Ala. SMSA	92	Huntington-Ashland, W. Va.-Ky.-Ohio SMSA
9	Amarillo, Tex. SMSA	51	Columbus, Ohio SMSA	93	Huntsville, Ala. SMSA
10	Anaheim-Santa Ana-Garden Grove, Calif. SMSA	52	Corpus Christi, Tex. SMSA	94	Indianapolis, Ind. SMSA
11	Anderson, Ind. SMSA	53	Dallas, Tex. SMSA	95	Jackson, Mich. SMSA
12	Ann Arbor, Mich. SMSA	54	Danbury, Conn. SMSA	96	Jackson, Miss. SMSA
13	Appleton-Oshkosh, Wis. SMSA	55	Davenport-Rock Island-Moline, Iowa-III. 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	Ponce, 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
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b>										
Year moved into unit .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Duration of vacancy .....	—	—	—	9 <sup>1</sup>	9	9	—	—	—	9
<b>UTILIZATION CHARACTERISTICS</b>										
Number of rooms .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	5, 15*, 23†	—	6, 16*, 24†	—	5, 15*, 23†	9	—
Size of household (persons) .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	8, 18*, 26†	8, 18*, 26†	—	—	—
Number of bedrooms .....	1, 11*	2, 12*	3, 13*	—	5, 15*	6, 16*	—	8, 18*	9	10
Persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
<b>PLUMBING CHARACTERISTICS</b>										
Plumbing facilities .....	—	—	—	—	—	—	—	—	9	10
Plumbing facilities by persons per room .....	1, 11*, 19†	2, 12*, 20†	4, 14*, 22†	—	5, 15*, 23†	6, 16*, 24†	7, 17*, 25†	4, 14*, 22†	—	—
Complete bathrooms .....	1, 11*, 19†	2, 12*, 20†	—	—	5, 15*, 23†	—	—	8, 18*, 26†	—	—
<b>STRUCTURAL CHARACTERISTICS</b>										
Units in structure .....	—	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	6, 16*, 24†	—	7, 17*, 25†	8, 18*, 26†	9	10
Year structure built .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	6, 16*, 24†	—	8, 18*, 26†	9	10
Elevator in structure .....	—	2, 12*	—	—	—	—	—	—	—	—
<b>EQUIPMENT AND APPLIANCES</b>										
Heating equipment .....	1, 11*, 19†	—	—	4, 14*, 22†	—	6, 16*, 24†	—	—	9	—
Air conditioning .....	1, 11*, 19†	2, 12*, 20†	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Automobiles available .....	—	—	3, 13*, 21†	—	—	6, 16*, 24†	—	—	—	—
Second home .....	—	—	3, 13*	—	—	—	—	—	—	—
Automatic clothes washing machine .....	—	—	3, 13*	—	—	—	—	—	—	—
Clothes dryer .....	—	—	3, 13*	—	—	—	—	—	—	—
Dishwasher .....	—	—	3, 13*	—	—	—	—	—	—	—
Home food freezer .....	—	—	3, 13*	—	—	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>										
Value .....	—	—	1, 11*, 19†	1, 11*, 19†	1, 11*, 19†	—	1, 11*, 19†	1, 11*, 19†	—	—
Value-income ratio .....	—	—	—	4, 14*, 22†	5, 15*, 23†	—	7, 17*, 25†	8, 18*, 26†	—	—
Gross rent .....	—	—	2, 12*, 20†	2, 12*, 20†	2, 12*, 20†	6, 16*, 24†	7, 17*, 25†	2, 12*, 20†	—	—
Gross rent as percentage of income .....	—	2, 12*, 20†	3, 13*, 21†	4, 14*, 22†	5, 15*, 23†	—	—	8, 18*, 26†	—	—
Gross rent as percentage of income by income .....	—	—	—	—	—	—	7, 17*, 25†	—	—	—
Sales price asked .....	—	—	—	—	—	—	—	—	9	—
Rent asked .....	—	—	—	10 <sup>1</sup>	—	—	—	—	9	—
Inclusion of utilities in rent .....	—	—	—	—	—	10	—	—	9	10
<b>HOUSEHOLD CHARACTERISTICS</b>										
Household composition by age of head .....	1, 11*, 19†	7, 17*, 25†	7, 17*, 25†	7, 17*, 25†	—	7, 17*, 25†	—	8, 18*, 26†	—	—
Income in 1969 .....	1, 11*, 19†	2, 12*, 20†	—	4, 14*, 22†	3, 13*, 21†	6, 16*, 24†	7, 17*, 25†	3, 13*, 21†	—	—

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

# INTRODUCTION

# APPENDIXES

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

GENERAL .....	V
Organization of the text .....	V
Content of the tables .....	V
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 11. 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  
**Laredo, Tex.**  
 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 110.]

page

**MAP**

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

**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	—	10 to 17
Laredo .....	B	18 to 26	—	27 to 34

**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 or Spanish surname]

**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 or Spanish Surname: 1970

---

- 20 Gross Rent of Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

---

- 21 Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

---

- 22 Plumbing Facilities by Persons per Room for Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

---

- 23 Rooms in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

---

- 24 Units in Structure for Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

---

- 25 Household Composition for Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

---

- 26 Persons in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

# Counties, Standard Metropolitan Statistical Areas, and Selected Places

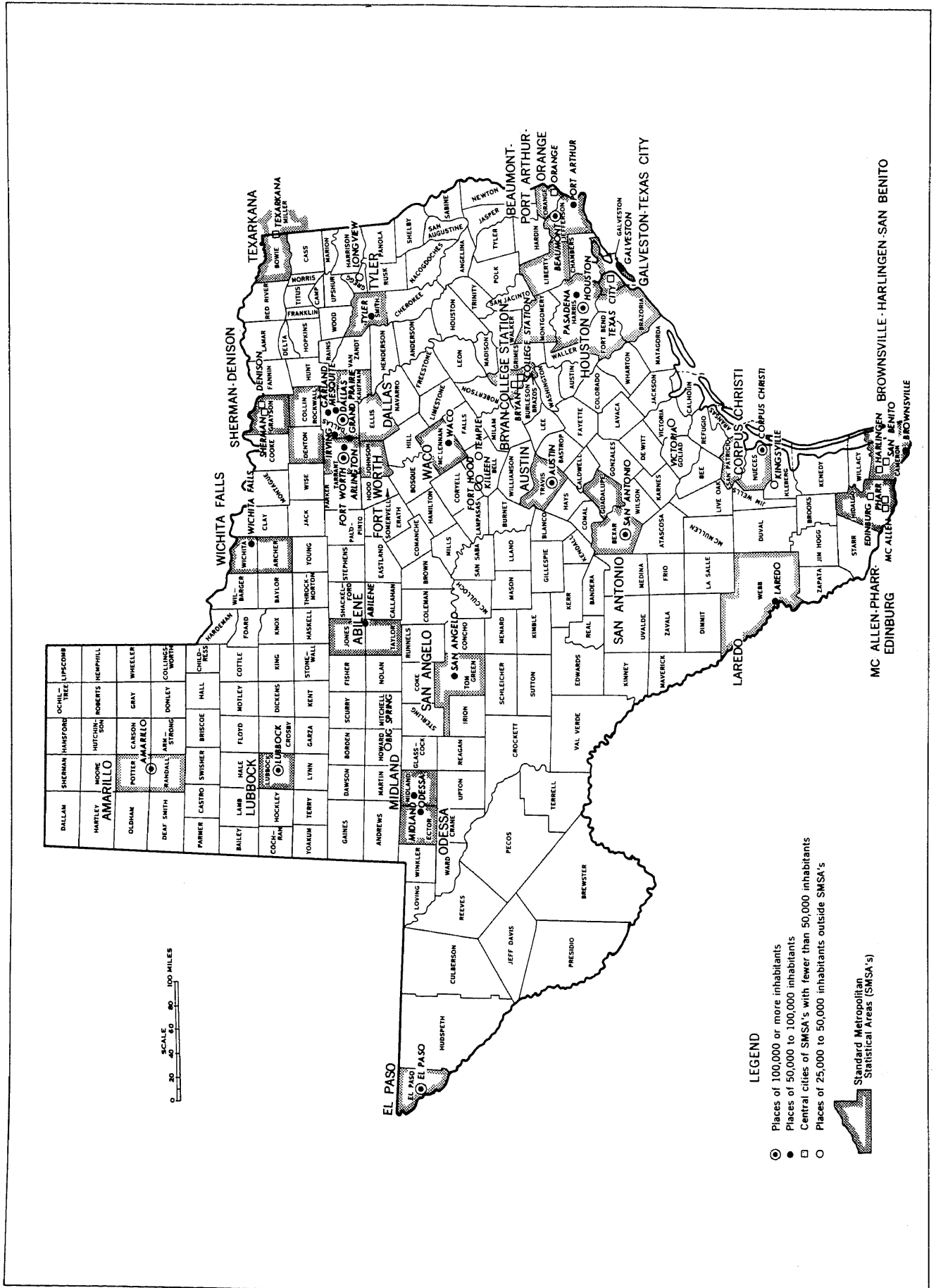












Table A-5. Rooms in Owner and Renter Occupied Housing Units: 1970

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

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>10 539</b>	<b>71</b>	<b>561</b>	<b>1 236</b>	<b>2 757</b>	<b>2 839</b>	<b>1 910</b>	<b>786</b>	<b>379</b>	<b>4.7</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	8 957	21	155	825	2 295	2 581	1 876	831	373	5.0
<b>PERSONS</b>										
1 person	1 253	46	205	259	261	241	150	56	35	3.9
2 persons	2 215	—	102	344	703	556	317	141	52	4.4
3 persons	1 632	22	61	185	440	504	284	108	28	4.7
4 persons	1 456	—	81	141	329	379	330	119	77	5.0
5 persons	1 182	3	34	71	344	316	279	82	53	4.9
6 persons or more	2 801	—	78	236	680	843	550	280	134	5.0
Median	3.6	...	2.2	2.6	3.4	3.8	4.1	4.2	4.5	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>9 071</b>	<b>21</b>	<b>179</b>	<b>846</b>	<b>2 375</b>	<b>2 645</b>	<b>1 860</b>	<b>776</b>	<b>369</b>	<b>4.9</b>
0.50 or less	3 062	—	68	164	836	745	732	305	212	5.1
0.51 to 1.00	3 512	16	43	386	701	1 140	749	343	134	5.0
1.01 to 1.50	1 537	—	24	80	493	496	312	109	23	4.8
1.51 or more	960	5	44	216	345	264	67	19	—	4.1
<b>Lacking some or all plumbing facilities</b>	<b>1 468</b>	<b>50</b>	<b>382</b>	<b>390</b>	<b>382</b>	<b>194</b>	<b>50</b>	<b>10</b>	<b>10</b>	<b>3.3</b>
0.50 or less	441	—	137	95	128	52	19	—	10	3.4
0.51 to 1.00	380	30	59	143	68	59	16	5	—	3.2
1.01 to 1.50	250	—	37	61	89	43	15	5	—	3.8
1.51 or more	397	20	149	91	97	40	—	—	—	2.8
<b>BEDROOMS</b>										
None and 1	1 954	40	649	842	302	82	18	—	21	2.8
2	4 630	—	—	499	2 302	1 398	373	39	19	4.3
3	3 402	—	—	—	323	1 463	1 128	332	156	5.4
4 or more	633	—	—	—	—	17	243	236	137	6.7
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	427	—	26	21	130	104	89	22	35	4.9
1960 to 1968	2 359	30	123	217	620	693	476	135	65	4.8
1950 to 1959	2 171	11	74	193	607	665	376	161	84	4.8
1949 or earlier	5 582	30	338	805	1 400	1 377	969	468	195	4.7
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	7 208	21	170	786	2 240	2 222	1 213	429	127	4.7
2 or more	1 809	—	—	51	83	359	668	402	246	6.1
None or also used by another household	1 522	60	359	383	407	232	52	8	21	3.4
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>9 777</b>	<b>65</b>	<b>531</b>	<b>1 102</b>	<b>2 543</b>	<b>2 621</b>	<b>1 807</b>	<b>755</b>	<b>353</b>	<b>4.7</b>
Less than 1.5	3 951	12	155	479	1 124	994	694	333	160	4.7
1.5 to 1.9	1 406	13	50	122	298	464	320	87	52	5.0
2.0 to 2.9	1 556	19	68	135	424	440	283	151	36	4.8
3.0 or more	2 569	15	211	325	635	650	469	169	95	4.7
Not computed	295	6	47	41	62	73	41	15	10	4.4
<b>Renter occupied housing units</b>	<b>7 328</b>	<b>202</b>	<b>1 079</b>	<b>1 811</b>	<b>2 001</b>	<b>1 380</b>	<b>624</b>	<b>181</b>	<b>50</b>	<b>3.8</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	5 545	59	375	1 292	1 694	1 314	581	178	52	4.1
<b>PERSONS</b>										
1 person	1 045	81	377	295	131	103	37	10	11	2.7
2 persons	1 584	50	231	458	593	161	63	23	5	3.6
3 persons	1 206	25	146	343	336	234	73	38	11	3.8
4 persons	1 051	14	67	243	323	247	124	33	—	4.1
5 persons	886	13	76	147	263	234	137	16	—	4.3
6 persons or more	1 556	19	182	325	355	401	190	61	23	4.2
Median	3.4	1.9	2.2	2.9	3.3	4.3	4.6	4.1	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>5 821</b>	<b>97</b>	<b>461</b>	<b>1 372</b>	<b>1 740</b>	<b>1 306</b>	<b>614</b>	<b>181</b>	<b>50</b>	<b>4.1</b>
0.50 or less	1 630	—	205	233	679	246	169	71	27	4.1
0.51 to 1.00	2 542	30	114	667	592	688	344	88	19	4.3
1.01 to 1.50	877	—	61	169	282	255	84	22	4	4.2
1.51 or more	772	67	81	303	187	117	17	—	—	3.3
<b>Lacking some or all plumbing facilities</b>	<b>1 507</b>	<b>105</b>	<b>618</b>	<b>439</b>	<b>261</b>	<b>74</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>2.6</b>
0.50 or less	301	—	172	62	45	18	4	—	—	2.4
0.51 to 1.00	396	51	117	134	67	27	—	—	—	2.7
1.01 to 1.50	229	—	85	74	51	13	6	—	—	2.9
1.51 or more	581	54	244	169	98	16	—	—	—	2.5
<b>BEDROOMS</b>										
None	272	193	79	—	—	—	—	—	—	...
1	2 582	—	1 071	1 236	211	64	—	—	—	2.7
2	2 720	—	—	438	1 586	520	156	20	—	4.1
3 or more	1 742	—	—	—	214	686	624	143	75	5.5
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	549	—	22	37	155	206	125	4	—	4.8
1960 to 1968	1 333	26	138	270	475	290	104	19	11	4.0
1950 to 1959	1 242	40	143	292	361	263	94	49	—	3.9
1949 or earlier	4 204	136	776	1 212	1 010	621	301	109	39	3.5
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	5 036	65	407	1 289	1 672	1 125	382	92	4	4.0
2 or more	589	6	—	27	34	189	199	86	48	5.7
None or also used by another household	1 703	126	671	545	277	79	5	—	—	2.6
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>7 208</b>	<b>193</b>	<b>1 062</b>	<b>1 774</b>	<b>1 965</b>	<b>1 369</b>	<b>614</b>	<b>181</b>	<b>50</b>	<b>3.8</b>
Less than 10 percent	776	15	104	203	178	170	90	11	5	3.9
10 to 14 percent	1 155	67	195	283	321	166	100	23	—	3.6
15 to 19 percent	954	5	123	251	246	240	72	17	—	3.9
20 to 24 percent	910	13	75	274	252	197	70	29	—	3.9
25 to 34 percent	983	18	147	276	290	184	53	10	5	3.7
35 percent or more	1 220	10	278	292	369	160	54	34	23	3.6
Not computed	1 210	65	140	195	309	252	175	57	17	4.2

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







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

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

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
<b>Vacant for sale</b> .....	173	63	25	85	<b>Vacant for rent</b> .....	443	209	146	88
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms .....	24	5	-	19	1 room .....	27	9	5	13
4 rooms .....	53	10	8	35	2 rooms .....	50	16	18	16
5 rooms .....	68	34	14	20	3 rooms .....	111	64	25	22
6 rooms .....	16	10	-	6	4 rooms .....	151	54	79	18
7 rooms or more .....	12	4	3	5	5 rooms .....	84	61	16	7
					6 rooms .....	20	5	3	12
					7 rooms or more .....	-	-	-	-
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities .....	145	58	21	66	With all plumbing facilities .....	340	188	98	54
Lacking some or all plumbing facilities .....	28	5	4	19	Lacking some or all plumbing facilities .....	103	21	48	34
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1 .....	-	-	-	-	None .....	17	-	-	17
2 .....	50	-	33	17	1 .....	152	101	34	17
3 .....	103	69	-	34	2 .....	219	68	135	16
4 or more .....	34	17	-	17	3 or more .....	68	34	17	17
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970 .....	51	35	7	9	1969 to March 1970 .....	26	22	4	-
1960 to 1968 .....	28	10	3	15	1960 to 1968 .....	95	59	34	2
1950 to 1959 .....	23	5	7	11	1950 to 1959 .....	79	22	41	16
1949 or earlier .....	71	13	8	50	1949 or earlier .....	243	106	67	70
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1 .....	168	63	25	80	1 .....	350	155	114	81
2 or more .....	5	-	-	5	2 to 4 .....	25	12	13	-
					5 to 9 .....	16	7	4	5
					10 to 19 .....	17	7	8	2
					20 or more .....	35	28	7	-
<b>HEATING EQUIPMENT</b>					<b>UNITS IN STRUCTURE</b>				
Steam or hot water .....	-	-	-	-	1 .....	350	155	114	81
Warm-air furnace .....	3	-	-	3	2 to 4 .....	25	12	13	-
Built-in electric units .....	14	11	3	-	5 to 9 .....	16	7	4	5
Floor, wall, or pipeless furnace .....	3	3	-	-	10 to 19 .....	17	7	8	2
Other means .....	146	49	18	79	20 or more .....	35	28	7	-
None .....	7	-	4	3					
<b>SALES PRICE ASKED</b>					<b>RENT ASKED</b>				
Specified vacant for sale <sup>1</sup> .....	168	63	25	80	Specified vacant for rent <sup>2</sup> .....	430	205	137	88
Less than \$5,000 .....	45	7	8	30	Less than \$50 .....	193	65	69	59
\$5,000 to \$9,999 .....	41	8	6	27	\$50 to \$59 .....	33	28	-	5
\$10,000 to \$14,999 .....	50	35	-	15	\$60 to \$79 .....	81	33	43	5
\$15,000 to \$19,999 .....	5	2	-	3	\$80 to \$99 .....	28	12	16	-
\$20,000 to \$24,999 .....	10	7	3	-	\$100 to \$119 .....	35	23	2	10
\$25,000 to \$34,999 .....	8	-	8	-	\$120 to \$149 .....	17	14	3	-
\$35,000 to \$49,999 .....	4	4	-	-	\$150 to \$199 .....	35	27	4	4
\$50,000 or more .....	5	-	-	5	\$200 or more .....	8	3	-	5
Median price asked .....	\$9 500	...	...	...	Median rent asked .....	\$57	\$66	\$50	...

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

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

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

The SMSA	Sales price asked - Vacant for sale <sup>1</sup>							Rent asked - Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
<b>Total</b> .....	168	86	50	5	10	8	9	430	226	81	28	52	35	8
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities .....	170	33	86	17	-	-	34	372	118	102	67	17	51	17
Lacking some or all plumbing facilities .....	17	17	-	-	-	-	-	67	67	-	-	-	-	-
<b>BEDROOMS</b>														
None and 1 .....	-	-	-	-	-	-	-	152	84	35	-	-	16	17
2 .....	50	33	17	-	-	-	-	219	84	33	67	17	18	-
3 .....	103	17	69	17	-	-	-	51	17	17	-	-	17	-
4 or more .....	34	-	-	-	-	-	34	17	-	17	-	-	-	-
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970 .....	51	13	28	-	3	3	4	26	2	5	-	9	10	-
1960 to 1968 .....	28	13	11	-	4	-	-	95	36	13	6	14	23	3
1950 to 1959 .....	18	12	6	-	-	-	-	73	23	15	16	19	-	-
1949 or earlier .....	71	48	5	5	3	5	5	236	165	48	6	10	2	5
<b>UNITS IN STRUCTURE</b>														
1 .....	...	...	...	...	...	...	...	337	184	68	25	45	7	8
2 to 4 .....	...	...	...	...	...	...	...	25	14	5	3	-	3	-
5 to 19 .....	...	...	...	...	...	...	...	33	21	8	-	-	4	-
20 or more .....	...	...	...	...	...	...	...	35	7	-	-	7	21	-
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included .....	...	...	...	...	...	...	...	59	46	5	3	2	-	3
Some or no utilities included .....	...	...	...	...	...	...	...	371	180	76	25	50	35	5

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



Table A-20. Gross Rent of Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

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

The SMSA

	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b> .....	<b>5 261</b>	<b>2 194</b>	<b>768</b>	<b>507</b>	<b>347</b>	<b>325</b>	<b>167</b>	<b>130</b>	<b>119</b>	<b>50</b>	-	<b>654</b>	<b>51</b>
<b>ROOMS</b>													
1 room .....	134	81	5	-	-	-	-	7	-	-	-	41	...
2 rooms .....	893	699	48	13	-	19	-	-	-	-	-	114	50-
3 rooms .....	1 515	771	303	138	78	32	32	6	-	-	-	155	50-
4 rooms .....	1 414	492	232	148	131	126	66	37	41	22	-	119	57
5 rooms .....	819	133	134	158	95	94	25	32	45	8	-	95	66
6 rooms .....	330	18	30	27	32	32	38	43	16	20	-	74	90
7 rooms .....	104	-	16	14	-	15	6	5	17	-	-	31	...
8 rooms or more .....	52	-	9	11	7	-	-	-	-	-	-	25	...
Median .....	3.6	2.9	3.6	4.2	4.2	4.4	4.3	5.0	4.9	...	-	3.6	...
<b>PERSONS</b>													
1 person .....	694	390	33	38	19	25	-	7	-	9	-	173	50-
2 persons .....	969	459	88	78	65	74	54	23	23	14	-	91	50
3 persons .....	843	332	138	97	29	53	29	17	5	5	-	114	52
4 persons .....	779	250	166	82	61	36	46	14	22	7	-	95	56
5 persons .....	683	214	129	65	75	36	22	34	29	7	-	72	57
6 persons or more .....	1 293	549	214	147	98	101	16	23	28	8	-	109	52
Median .....	3.8	3.2	4.3	4.0	4.5	3.8	3.5	3.9	4.4	...	-	3.1	...
Units with roomers, boarders, or lodgers .....	14	14	-	-	-	-	-	-	-	-	-	-	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b> .....	<b>3 857</b>	<b>1 142</b>	<b>663</b>	<b>488</b>	<b>347</b>	<b>325</b>	<b>167</b>	<b>130</b>	<b>119</b>	<b>50</b>	-	<b>426</b>	<b>59</b>
0.50 or less .....	881	285	71	78	61	99	42	30	23	28	-	164	60
0.51 to 1.00 .....	1 588	343	294	248	139	127	110	62	77	14	-	174	63
1.01 to 1.50 .....	664	195	134	74	100	62	7	24	19	8	-	41	59
1.51 or more .....	724	319	164	88	47	37	8	14	-	-	-	47	51
<b>Lacking some or all plumbing facilities</b> .....	<b>1 404</b>	<b>1 052</b>	<b>105</b>	<b>19</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	-	<b>228</b>	<b>50-</b>
0.50 or less .....	247	180	15	-	-	-	-	-	-	-	-	52	50-
0.51 to 1.00 .....	389	311	6	-	-	-	-	-	-	-	-	72	50-
1.01 to 1.50 .....	233	148	4	4	-	-	-	-	-	-	-	33	50-
1.51 or more .....	535	413	36	15	-	-	-	-	-	-	-	71	50-
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970 .....	99	8	22	12	7	-	-	8	7	-	-	35	...
1965 to 1968 .....	254	71	19	42	7	11	9	7	37	16	-	35	65
1960 to 1964 .....	345	142	48	-	19	42	15	7	21	14	-	37	53
1950 to 1959 .....	974	354	162	106	47	78	34	36	35	-	-	122	54
1940 to 1949 .....	1 356	559	223	149	93	87	62	20	12	-	-	151	52
1939 or earlier .....	2 233	1 060	294	198	174	107	47	52	7	20	-	274	50-
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2 .....	3 468	1 014	650	463	317	295	161	81	93	50	-	344	58
2 or more .....	251	34	-	25	21	23	6	49	26	-	-	67	95
None or also used by another household .....	1 542	1 146	118	19	9	7	-	-	-	-	-	243	50-
<b>INCOME IN 1969</b>													
Less than \$2,000 .....	1 532	1 038	135	112	16	32	17	7	-	-	-	175	50-
\$2,000 to \$2,999 .....	872	454	140	90	36	8	5	-	10	-	-	129	50-
\$3,000 to \$3,999 .....	737	308	141	75	60	55	29	-	7	-	-	62	52
\$4,000 to \$4,999 .....	537	199	80	27	78	23	-	16	16	8	-	90	53
\$5,000 to \$5,999 .....	412	61	106	83	33	53	9	16	-	-	-	51	62
\$6,000 to \$6,999 .....	312	77	46	47	45	8	16	8	14	6	-	45	62
\$7,000 to \$9,999 .....	512	36	96	57	47	88	47	50	40	-	-	51	79
\$10,000 to \$14,999 .....	268	12	24	16	25	42	36	33	14	21	-	45	95
\$15,000 to \$24,999 .....	52	9	-	-	7	16	8	-	12	-	-	-	...
\$25,000 or more .....	27	-	-	-	-	-	-	-	6	15	-	6	...
Median .....	\$3 300	\$2 100	\$3 800	\$3 700	\$4 800	\$5 800	\$7 500	\$8 100	\$7 900	...	-	\$3 400	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970 .....	1 764	604	240	195	121	158	96	76	99	28	-	147	59
1968 .....	716	311	139	58	44	42	24	15	6	14	-	63	51
1967 .....	459	201	95	49	57	7	-	6	8	8	-	28	52
1965 and 1966 .....	608	299	114	41	51	44	9	13	-	-	-	37	50
1960 to 1964 .....	836	407	100	94	32	60	15	12	-	-	-	116	50-
1950 to 1959 .....	618	278	47	46	36	7	16	-	-	-	-	188	50-
1949 or earlier .....	260	94	33	24	6	7	7	8	6	-	-	75	50
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent .....	593	306	120	34	47	50	15	-	6	15	-	...	50
10 to 14 percent .....	982	410	208	124	77	83	41	27	12	-	-	...	54
15 to 19 percent .....	710	368	69	72	71	52	44	26	8	-	-	...	50
20 to 24 percent .....	640	270	128	62	65	37	16	30	20	12	-	...	54
25 to 34 percent .....	689	310	114	96	47	37	16	24	34	9	-	...	53
35 percent or more .....	852	441	122	96	35	48	34	23	39	14	-	...	50
Not computed .....	795	89	7	23	5	-	17	-	-	-	-	654	50-
<b>AIR CONDITIONING</b>													
Room unit(s) .....	1 175	228	174	92	111	121	108	85	83	5	-	168	71
Central system .....	172	20	-	16	-	-	-	17	23	37	-	59	...
None .....	3 914	1 946	594	399	236	204	59	28	13	8	-	427	50-

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



**Table A-21. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 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)
	<b>Owner occupied housing units</b> -----	<b>9 215</b>	<b>1 884</b>	<b>1 165</b>	<b>1 066</b>	<b>745</b>	<b>704</b>	<b>646</b>	<b>1 216</b>	<b>1 020</b>	<b>541</b>	<b>228</b>
<b>ROOMS</b>												
1 and 2 rooms -----	551	275	145	53	21	36	7	4	10	-	-	2 000
3 rooms -----	1 109	370	205	203	113	67	53	40	54	4	-	2 900
4 rooms -----	2 484	557	469	299	225	288	194	275	124	53	-	3 700
5 rooms -----	2 481	451	201	279	262	170	196	440	311	157	14	5 300
6 rooms -----	1 564	165	89	181	103	74	126	289	301	150	86	7 500
7 rooms or more -----	1 026	66	56	51	21	69	70	168	220	177	128	10 300
<b>PERSONS</b>												
1 person -----	863	634	89	29	17	19	34	9	26	-	6	2000-
2 persons -----	1 830	631	384	244	98	82	101	119	88	45	36	2 700
3 and 4 persons -----	2 709	343	249	345	290	255	194	415	339	214	63	5 500
5 persons -----	1 062	64	82	71	86	117	124	162	228	82	46	6 900
6 persons or more -----	2 751	212	361	375	254	231	193	511	339	198	77	5 800
Units with roomers, boarders, or lodgers -----	77	9	15	7	6	-	14	11	-	9	6	...
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 -----	296	33	23	31	40	33	30	13	71	15	7	5 600
1960 to 1968 -----	1 983	285	238	200	147	175	132	271	297	145	93	5 700
1950 to 1959 -----	1 931	310	237	226	158	182	80	295	256	115	72	5 200
1949 or earlier -----	5 005	1 256	667	609	400	314	404	637	396	266	56	4 000
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 -----	708	101	82	62	87	57	62	82	103	58	14	5 400
1968 -----	497	88	53	61	45	18	25	76	91	22	18	5 100
1960 to 1967 -----	2 713	440	334	310	183	271	154	380	366	161	114	5 300
1959 or earlier -----	5 297	1 255	696	633	430	358	405	678	460	300	82	4 200
<b>SELECTED CHARACTERISTICS</b>												
With air conditioning -----	3 508	323	238	286	201	117	291	647	705	472	228	8 400
Room unit(s) -----	2 705	277	224	268	185	110	267	577	478	271	48	7 100
Central system -----	803	46	14	18	16	7	24	70	227	201	180	14 500
Automobiles available: -----												
1 -----	4 509	705	602	678	441	443	415	613	385	190	37	4 600
2 -----	2 141	71	111	126	145	179	136	457	519	262	135	9 000
3 or more -----	446	47	9	36	26	8	27	78	85	74	56	9 700
<b>Renter occupied housing units</b> -----	<b>5 358</b>	<b>1 553</b>	<b>909</b>	<b>752</b>	<b>537</b>	<b>412</b>	<b>320</b>	<b>528</b>	<b>268</b>	<b>52</b>	<b>27</b>	<b>3 300</b>
<b>ROOMS</b>												
1 room -----	148	82	37	-	17	5	-	-	7	-	-	2000-
2 rooms -----	908	512	136	107	76	13	44	14	6	-	-	2000-
3 rooms -----	1 543	510	312	257	140	81	106	108	29	-	-	2 800
4 rooms -----	1 429	269	253	219	142	195	98	151	86	16	-	3 900
5 rooms -----	828	97	116	124	126	71	55	165	57	11	6	4 600
6 rooms or more -----	502	83	55	45	36	47	17	90	83	25	21	5 700
<b>PERSONS</b>												
1 person -----	702	503	62	34	7	33	25	29	9	-	-	2000-
2 persons -----	991	344	198	112	88	23	53	102	63	-	8	2 800
3 and 4 persons -----	1 652	282	346	256	162	168	134	197	107	-	-	3 800
5 persons -----	692	154	72	84	72	94	47	83	61	6	19	4 500
6 persons or more -----	1 321	270	231	266	208	94	61	117	28	46	-	3 600
Units with roomers, boarders, or lodgers -----	14	8	-	6	-	-	-	-	-	-	-	...
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 -----	99	23	7	7	14	18	-	23	7	-	-	...
1960 to 1968 -----	629	165	94	103	55	67	39	57	36	5	8	3 500
1950 to 1959 -----	989	194	178	181	129	101	48	122	28	8	-	3 700
1949 or earlier -----	3 641	1 171	630	461	339	226	233	326	197	39	19	3 000
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 -----	1 785	513	245	295	169	127	74	247	79	36	-	3 500
1968 -----	740	140	165	109	76	82	62	39	54	-	13	3 600
1960 to 1967 -----	1 916	541	404	260	174	155	108	167	86	7	14	3 100
1959 or earlier -----	917	359	95	88	118	48	76	75	49	9	-	3 100
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup> -----	<b>5 261</b>	<b>1 532</b>	<b>872</b>	<b>737</b>	<b>537</b>	<b>412</b>	<b>312</b>	<b>512</b>	<b>268</b>	<b>52</b>	<b>27</b>	<b>3 300</b>
Less than 15 percent -----	1 575	65	88	169	255	205	215	323	182	52	21	6 000
15 to 19 percent -----	710	81	148	184	89	109	17	68	14	-	-	3 700
20 to 24 percent -----	640	88	214	183	55	31	7	44	18	-	-	3 100
25 to 34 percent -----	689	280	247	87	8	16	16	26	9	-	-	2 300
35 percent or more -----	852	702	46	52	40	-	12	-	-	-	-	2000-
of computed -----	795	316	129	62	90	51	45	51	45	-	6	2 600
<b>SELECTED CHARACTERISTICS</b>												
With air conditioning -----	1 370	192	172	122	138	99	143	262	184	31	27	5 600
Room unit(s) -----	1 198	172	172	107	131	91	113	221	148	31	12	5 200
Central system -----	172	20	-	15	7	8	30	41	36	-	15	7 400
Automobiles available: -----												
1 -----	2 922	508	415	507	362	317	227	373	174	31	8	4 100
2 -----	447	23	66	29	59	41	27	101	76	12	13	6 200
3 or more -----	46	6	-	-	-	-	-	5	11	9	6	...

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

**Table A-22. Plumbing Facilities by Persons Per Room for Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970**

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

The SMSA	With all plumbing facilities					Lacking some or all plumbing facilities					
	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	
<b>Owner occupied housing units</b> .....	<b>9 215</b>	<b>7 920</b>	<b>2 351</b>	<b>3 157</b>	<b>1 511</b>	<b>901</b>	<b>1 295</b>	<b>335</b>	<b>305</b>	<b>271</b>	<b>384</b>
<b>PERSONS</b>											
1 person .....	863	635	621	14	-	-	228	198	30	-	-
2 persons .....	1 830	1 578	1 285	293	-	-	252	137	115	-	-
3 persons .....	1 418	1 244	342	885	17	-	174	-	113	35	26
4 persons .....	1 291	1 157	83	976	65	33	134	-	33	55	46
5 persons .....	1 062	977	20	614	293	50	85	-	14	46	25
6 persons or more .....	2 751	2 329	-	375	1 136	818	422	-	-	135	287
Median .....	3.9	3.9	1.9	3.9	6.3	7.5+	3.5	1.3	2.6	5.5	7.4
Units with roomers, boarders, or lodgers .....	77	77	37	40	-	-	-	-	-	-	-
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 .....	296	251	58	117	35	41	45	7	-	14	24
1965 to 1968 .....	989	846	149	381	225	91	143	8	32	25	78
1960 to 1964 .....	994	814	175	310	224	105	180	19	47	49	65
1950 to 1959 .....	1 931	1 674	363	694	398	219	257	38	50	81	88
1940 to 1949 .....	2 103	1 833	571	674	346	242	270	92	70	28	80
1939 or earlier .....	2 902	2 502	1 035	981	283	203	400	171	106	74	49
<b>INCOME IN 1969</b>											
Less than \$2,000 .....	1 884	1 358	855	339	99	65	526	253	136	67	70
\$2,000 to \$2,999 .....	1 165	820	297	258	140	125	345	61	66	67	151
\$3,000 to \$3,999 .....	1 066	936	249	308	214	165	130	14	44	21	51
\$4,000 to \$4,999 .....	745	679	151	241	154	133	66	-	13	11	42
\$5,000 to \$5,999 .....	704	631	97	276	135	123	73	7	21	20	25
\$6,000 to \$6,999 .....	646	609	138	269	137	65	37	-	-	23	14
\$7,000 to \$9,999 .....	1 216	1 124	199	534	263	128	92	-	17	56	19
\$10,000 to \$14,999 .....	1 020	1 000	188	518	231	63	20	-	8	6	6
\$15,000 to \$24,999 .....	541	535	95	307	106	27	6	-	-	-	6
\$25,000 or more .....	228	228	82	107	32	7	-	-	-	-	-
Median .....	\$4 700	\$5 300	\$3 100	\$6 600	\$6 100	\$4 700	\$2 400	\$2000-	\$2 300	\$3 100	\$2 800
<b>VALUE-INCOME RATIO</b>											
Specified owner occupied <sup>1</sup> .....	8 650	7 417	2 184	2 941	1 437	855	1 233	299	297	259	378
Less than 1.5 .....	3 556	3 103	479	1 431	732	461	453	29	84	147	193
1.5 to 1.9 .....	1 346	1 184	289	474	289	132	162	19	54	11	78
2.0 to 2.4 .....	863	730	249	266	136	79	133	32	37	31	33
2.5 to 2.9 .....	541	463	113	180	88	82	78	15	34	17	12
3.0 to 3.9 .....	693	557	233	197	87	40	136	88	12	12	24
4.0 or more .....	1 386	1 196	713	352	92	39	190	88	46	26	30
Not computed .....	265	184	108	41	13	22	81	28	30	15	8
<b>HEATING EQUIPMENT</b>											
Steam or hot water .....	38	32	17	15	-	-	6	-	-	6	-
Warm-air furnace .....	797	797	237	397	140	23	-	-	-	-	-
Built-in electric units .....	210	210	27	131	46	6	-	-	-	-	-
Floor, wall, or pipeless furnace .....	153	141	13	86	25	17	12	-	-	-	12
Other means .....	7 671	6 570	2 030	2 463	1 250	827	1 101	301	269	234	297
None .....	346	170	27	65	50	28	176	34	36	31	75
<b>Renter occupied housing units</b> .....	<b>5 358</b>	<b>3 919</b>	<b>889</b>	<b>1 627</b>	<b>672</b>	<b>731</b>	<b>1 439</b>	<b>255</b>	<b>395</b>	<b>233</b>	<b>556</b>
<b>PERSONS</b>											
1 person .....	702	444	432	12	-	-	258	216	42	-	-
2 persons .....	991	729	383	325	-	21	262	34	221	-	7
3 persons .....	849	671	74	525	67	5	178	5	86	81	6
4 persons .....	803	621	-	435	159	27	182	-	46	79	57
5 persons .....	692	519	-	247	149	123	173	-	-	57	116
6 persons or more .....	1 321	935	-	83	297	555	386	-	-	16	370
Median .....	3.7	3.7	1.5	3.4	5.2	7.1	3.6	1.1	2.2	3.9	6.9
Units with roomers, boarders, or lodgers .....	14	14	14	-	-	-	-	-	-	-	-
<b>YEAR STRUCTURE BUILT</b>											
1969 to March 1970 .....	99	91	24	33	14	20	8	-	-	-	8
1965 to 1968 .....	284	240	84	131	18	7	44	-	7	6	31
1960 to 1964 .....	345	283	122	79	68	14	62	16	16	15	15
1950 to 1959 .....	989	778	107	346	123	202	211	10	45	55	103
1940 to 1949 .....	1 378	1 024	225	405	196	198	354	65	105	73	111
1939 or earlier .....	2 263	1 503	327	633	253	290	760	164	222	84	290
<b>INCOME IN 1969</b>											
Less than \$2,000 .....	1 553	839	327	257	125	130	714	219	192	116	187
\$2,000 to \$2,999 .....	909	595	127	255	91	122	314	13	122	49	130
\$3,000 to \$3,999 .....	752	539	94	202	96	147	213	17	34	37	125
\$4,000 to \$4,999 .....	537	422	36	167	107	112	115	6	20	23	66
\$5,000 to \$5,999 .....	412	389	62	166	81	80	23	-	12	-	11
\$6,000 to \$6,999 .....	320	277	60	127	39	51	43	-	15	8	20
\$7,000 to \$9,999 .....	528	511	111	264	76	60	17	-	-	-	17
\$10,000 to \$14,999 .....	268	268	64	149	35	20	-	-	-	-	-
\$15,000 to \$24,999 .....	52	52	-	21	22	9	-	-	-	-	-
\$25,000 or more .....	27	27	8	19	-	-	-	-	-	-	-
Median .....	\$3 300	\$4 000	\$2 900	\$4 600	\$4 200	\$3 800	\$2 000	\$2000-	\$2 000	\$2 000	\$2 700
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>											
Specified renter occupied <sup>2</sup> .....	5 261	3 857	881	1 588	664	724	1 404	247	389	233	535
Less than 10 percent .....	593	461	67	173	100	121	132	8	36	-	88
10 to 14 percent .....	982	751	81	364	170	156	231	16	53	35	127
15 to 19 percent .....	710	476	90	200	99	87	234	37	90	25	82
20 to 24 percent .....	640	489	92	223	87	137	151	20	51	37	43
25 to 34 percent .....	689	539	151	188	86	114	150	28	37	35	50
35 percent or more .....	852	616	198	230	117	71	236	75	43	68	50
Not computed .....	795	525	202	210	55	58	270	63	79	33	95
<b>HEATING EQUIPMENT</b>											
Steam or hot water .....	28	28	19	-	9	-	-	-	-	-	-
Warm-air furnace .....	377	377	70	191	47	69	-	-	-	-	-
Built-in electric units .....	104	94	57	31	6	-	10	-	6	4	-
Floor, wall, or pipeless furnace .....	201	201	46	80	46	29	-	-	-	-	-
Other means .....	4 231	3 081	677	1 285	545	574	1 150	194	326	155	475
None .....	417	138	20	40	19	59	279	61	63	74	81

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

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

**Table A—23. Rooms in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970**

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

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>9 215</b>	<b>74</b>	<b>477</b>	<b>1 109</b>	<b>2 484</b>	<b>2 481</b>	<b>1 564</b>	<b>701</b>	<b>325</b>	<b>4.7</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	7 733	14	147	735	2 072	2 249	1 512	693	311	4.9
<b>PERSONS</b>										
1 person	863	44	145	234	207	142	39	40	12	3.5
2 persons	1 830	—	101	307	571	462	241	103	45	4.4
3 persons	1 418	26	52	177	413	408	218	92	32	4.6
4 persons	1 291	—	79	120	319	309	273	108	83	4.9
5 persons	1 062	4	18	53	339	308	224	72	44	3.3
6 persons or more	2 751	—	82	218	635	852	569	286	109	5.0
Median	3.9	...	2.4	2.6	3.7	4.2	4.5	4.6	4.4	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>7 920</b>	<b>14</b>	<b>171</b>	<b>777</b>	<b>2 123</b>	<b>2 302</b>	<b>1 529</b>	<b>693</b>	<b>311</b>	<b>4.9</b>
0.50 or less	2 351	—	70	147	680	560	481	235	178	5.0
0.51 to 1.00	3 157	14	33	376	674	984	654	310	112	5.0
1.01 to 1.50	1 511	—	17	65	478	498	312	120	21	4.9
1.51 or more	901	—	51	189	291	260	82	28	—	4.2
<b>Lacking some or all plumbing facilities</b>	<b>1 295</b>	<b>60</b>	<b>306</b>	<b>332</b>	<b>361</b>	<b>179</b>	<b>35</b>	<b>8</b>	<b>14</b>	<b>3.3</b>
0.50 or less	335	—	75	87	98	44	17	—	14	3.6
0.51 to 1.00	305	30	68	108	58	41	—	—	—	3.0
1.01 to 1.50	271	—	35	55	104	51	18	8	—	3.9
1.51 or more	384	30	128	82	101	43	—	—	—	2.9
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	296	—	20	17	117	73	35	21	13	4.4
1960 to 1968	1 983	33	92	193	586	560	356	117	46	4.7
1950 to 1959	1 931	9	76	154	528	598	347	152	67	4.8
1949 or earlier	5 005	32	289	745	1 253	1 250	826	411	199	4.6
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	6 408	14	162	710	2 031	1 978	1 000	399	114	4.6
2 or more	1 380	—	—	37	69	271	512	294	197	6.1
None or also used by another household	1 427	60	315	362	384	232	52	8	14	3.4
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>8 650</b>	<b>74</b>	<b>453</b>	<b>1 026</b>	<b>2 340</b>	<b>2 306</b>	<b>1 475</b>	<b>667</b>	<b>309</b>	<b>4.7</b>
Less than 1.5	3 556	10	145	428	993	917	603	323	137	4.7
1.5 to 1.9	1 346	20	68	110	304	452	273	62	57	4.9
2.0 to 2.9	1 404	16	66	136	397	387	228	140	34	4.7
3.0 or more	2 079	21	137	301	577	490	344	137	72	4.5
Not computed	265	7	37	51	69	60	27	5	9	4.0
<b>Renter occupied housing units</b>	<b>5 358</b>	<b>148</b>	<b>908</b>	<b>1 543</b>	<b>1 429</b>	<b>828</b>	<b>346</b>	<b>104</b>	<b>52</b>	<b>3.6</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	3 714	34	274	999	1 161	749	341	104	52	4.0
<b>PERSONS</b>										
1 person	702	54	232	196	119	49	22	14	16	2.8
2 persons	991	28	211	335	310	53	39	8	7	3.3
3 persons	849	11	148	316	184	111	49	21	9	3.3
4 persons	803	19	65	238	278	118	59	26	—	3.8
5 persons	692	15	73	151	206	161	76	10	—	4.0
6 persons or more	1 321	21	179	307	332	336	101	25	20	4.0
Median	3.7	2.2	2.6	3.3	3.9	5.0	4.6	3.8	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>3 919</b>	<b>46</b>	<b>325</b>	<b>1 115</b>	<b>1 187</b>	<b>749</b>	<b>341</b>	<b>104</b>	<b>52</b>	<b>3.9</b>
0.50 or less	889	—	107	137	390	75	105	43	32	4.0
0.51 to 1.00	1 627	12	75	515	409	362	177	61	16	4.0
1.01 to 1.50	672	—	67	159	200	206	36	—	4	4.1
1.51 or more	731	34	76	304	188	106	23	—	—	3.3
<b>Lacking some or all plumbing facilities</b>	<b>1 439</b>	<b>102</b>	<b>583</b>	<b>428</b>	<b>242</b>	<b>79</b>	<b>5</b>	<b>—</b>	<b>24</b>	<b>2.6</b>
0.50 or less	255	—	125	59	39	27	5	—	—	2.5
0.51 to 1.00	395	42	136	136	53	28	—	—	—	2.6
1.01 to 1.50	233	—	81	79	63	10	—	—	—	2.9
1.51 or more	556	60	241	154	87	14	—	—	—	2.4
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	99	—	15	20	35	14	15	—	—	...
1960 to 1968	629	12	80	118	247	111	31	14	16	3.9
1950 to 1959	989	16	134	264	306	207	30	32	—	3.8
1949 or earlier	3 641	120	679	1 141	841	496	270	58	36	3.4
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	3 530	34	306	1 000	1 147	712	260	67	4	3.9
2 or more	251	6	—	23	19	37	81	37	48	6.0
None or also used by another household	1 577	108	602	520	263	79	5	—	—	2.7
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>5 261</b>	<b>134</b>	<b>893</b>	<b>1 515</b>	<b>1 414</b>	<b>819</b>	<b>330</b>	<b>104</b>	<b>52</b>	<b>3.6</b>
Less than 10 percent	593	—	113	146	167	106	46	8	7	3.7
10 to 14 percent	982	58	197	281	225	149	61	11	—	3.3
15 to 19 percent	710	7	105	176	212	168	35	7	—	3.7
20 to 24 percent	640	10	44	232	189	120	40	5	—	3.8
25 to 34 percent	689	—	84	262	230	84	22	—	—	3.5
35 percent or more	852	12	207	226	226	90	43	35	13	3.4
Not computed	795	47	143	192	165	102	83	38	25	3.6

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

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

Table A-24. Units in Structure for Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 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
<b>All occupied housing units</b> .....	<b>9 215</b>	<b>8 910</b>	<b>198</b>	<b>107</b>	<b>5 358</b>	<b>4 377</b>	<b>386</b>	<b>252</b>	<b>103</b>	<b>54</b>	<b>131</b>	<b>55</b>
<b>ROOMS</b>												
1 room.....	74	74	—	—	148	124	—	—	12	6	—	6
2 rooms.....	477	471	6	—	908	745	21	64	48	—	24	6
3 rooms.....	1 109	1 045	34	30	1 543	1 321	64	48	37	18	26	29
4 rooms.....	2 484	2 416	37	31	1 429	1 078	146	111	—	14	66	14
5 rooms.....	2 481	2 379	56	46	828	640	128	29	—	16	15	—
6 rooms.....	1 564	1 527	37	—	346	318	22	—	6	—	—	—
7 rooms.....	701	673	28	—	104	99	5	—	—	—	—	—
8 rooms or more.....	325	325	—	—	52	52	—	—	—	—	—	—
Median.....	4.7	4.7	4.9	4.3	3.6	3.5	4.2	3.6	2.3	...	3.7	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
<b>With all plumbing facilities</b> .....	<b>7 920</b>	<b>7 643</b>	<b>170</b>	<b>107</b>	<b>3 919</b>	<b>3 030</b>	<b>367</b>	<b>227</b>	<b>67</b>	<b>54</b>	<b>131</b>	<b>43</b>
0.50 or less.....	2 351	2 258	60	33	889	663	58	36	—	14	95	23
0.51 to 1.00.....	3 157	3 020	88	49	1 627	1 245	157	111	33	40	21	20
1.01 to 1.50.....	1 511	1 478	14	19	672	524	93	30	18	—	7	—
1.51 or more.....	1 901	1 887	8	6	731	598	59	50	16	—	8	—
<b>Lacking some or all plumbing facilities</b> .....	<b>1 295</b>	<b>1 267</b>	<b>28</b>	<b>—</b>	<b>1 439</b>	<b>1 347</b>	<b>19</b>	<b>25</b>	<b>36</b>	<b>—</b>	<b>—</b>	<b>12</b>
0.50 or less.....	335	319	16	—	255	249	—	6	—	—	—	—
0.51 to 1.00.....	305	305	—	—	395	368	15	—	6	—	—	6
1.01 to 1.50.....	271	259	12	—	233	210	—	—	23	—	—	—
1.51 or more.....	384	384	—	—	556	520	4	19	7	—	—	6
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970.....	296	275	7	14	99	77	15	—	—	—	—	7
1965 to 1968.....	989	958	8	23	284	161	—	18	—	22	64	19
1960 to 1964.....	994	961	6	27	345	242	65	7	6	—	25	—
1950 to 1959.....	1 931	1 892	8	31	989	775	168	20	—	20	—	6
1940 to 1949.....	2 103	2 054	49	—	1 378	1 153	41	128	23	12	21	—
1939 or earlier.....	2 902	2 770	120	12	2 263	1 969	97	79	74	—	21	23
<b>INCOME IN 1969</b>												
Less than \$2,000.....	1 884	1 806	57	21	1 553	1 337	81	49	30	6	37	13
\$2,000 to \$2,999.....	1 165	1 136	15	14	909	784	58	39	18	—	10	—
\$3,000 to \$3,999.....	1 066	1 018	40	8	752	598	32	73	17	6	20	6
\$4,000 to \$4,999.....	745	709	18	18	537	412	54	37	13	8	—	13
\$5,000 to \$5,999.....	704	697	7	—	412	337	38	15	—	—	15	7
\$6,000 to \$6,999.....	646	617	17	12	320	232	23	6	16	16	20	7
\$7,000 to \$9,999.....	1 216	1 160	28	28	528	412	55	19	9	18	6	9
\$10,000 to \$14,999.....	1 020	1 006	8	6	268	186	45	14	—	—	23	—
\$15,000 to \$24,999.....	541	533	8	—	52	52	—	—	—	—	—	—
\$25,000 or more.....	228	228	—	—	27	27	—	—	—	—	—	—
Median.....	\$4 700	\$4 700	\$3 700	\$4 600	\$3 300	\$3 100	\$4 400	\$3 500	\$3 200	...	\$3 900	...
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970.....	708	634	21	53	1 785	1 436	98	83	57	38	31	42
1968.....	497	481	—	16	740	593	63	40	18	—	20	6
1967.....	529	505	8	16	475	398	35	13	—	16	6	7
1965 and 1966.....	676	648	13	15	616	480	43	34	6	—	53	—
1960 to 1964.....	1 508	1 485	23	—	825	679	53	69	16	—	—	—
1950 to 1959.....	2 002	1 982	13	7	501	413	81	7	—	—	—	—
1949 or earlier.....	3 295	3 175	120	—	416	378	13	6	6	—	13	—
<b>GROSS RENT</b>												
<b>Specified renter occupied<sup>1</sup></b> .....	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>5 261</b>	<b>4 280</b>	<b>386</b>	<b>252</b>	<b>103</b>	<b>54</b>	<b>131</b>	<b>55</b>
Less than \$50.....	...	...	...	...	2 194	1 751	169	143	54	6	59	12
\$50 to \$59.....	...	...	...	...	768	642	61	40	11	—	14	—
\$60 to \$69.....	...	...	...	...	507	400	37	27	6	16	8	13
\$70 to \$79.....	...	...	...	...	347	258	33	28	15	6	7	—
\$80 to \$99.....	...	...	...	...	325	272	19	6	11	8	—	9
\$100 to \$119.....	...	...	...	...	167	142	—	—	—	18	7	—
\$120 to \$149.....	...	...	...	...	130	119	11	—	—	—	—	—
\$150 to \$199.....	...	...	...	...	119	98	—	—	—	—	14	7
\$200 to \$299.....	...	...	...	...	50	28	—	—	—	—	22	—
\$300 or more.....	...	...	...	...	—	—	—	—	—	—	—	—
No cash rent.....	...	...	...	...	654	570	56	8	6	—	—	14
Median.....	...	...	...	...	\$51	\$52	\$50	\$50—	...	...	\$55	...
<b>HEATING EQUIPMENT</b>												
Steam or hot water.....	38	38	—	—	28	9	—	—	—	—	19	—
Warm-air furnace.....	797	715	15	67	377	126	174	—	—	16	34	27
Built-in electric units.....	210	210	—	—	104	55	—	—	—	—	36	—
Floor, wall, or pipeless furnace.....	153	147	—	6	201	35	58	90	—	18	—	—
Other means.....	7 671	7 454	183	34	4 231	3 794	137	143	80	14	42	21
None.....	346	346	—	—	417	358	4	19	23	6	—	7
<b>AIR CONDITIONING</b>												
Room unit(s).....	2 705	2 591	59	55	1 198	985	72	14	12	32	49	34
Central system.....	803	755	8	40	172	100	22	—	—	16	34	—
None.....	5 707	5 564	131	12	3 988	3 292	292	238	91	6	48	21
<b>AUTOMOBILES AVAILABLE</b>												
1.....	4 509	4 329	111	69	2 922	2 371	224	106	72	42	64	43
2.....	2 141	2 100	23	18	447	381	44	8	—	6	8	—
3 or more.....	446	434	12	—	46	39	7	—	—	—	—	—
None.....	2 119	2 047	52	20	1 943	1 586	111	138	31	6	59	12

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



Table A-26. Persons in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

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

The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
<b>Owner occupied housing units</b> .....	<b>9 215</b>	<b>863</b>	<b>1 830</b>	<b>1 418</b>	<b>1 291</b>	<b>1 062</b>	<b>939</b>	<b>706</b>	<b>1 106</b>	<b>3.9</b>
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	296	5	60	28	65	30	35	38	35	4.3
1965 to 1968 .....	989	43	51	184	199	162	150	66	134	4.6
1960 to 1964 .....	994	56	135	166	114	136	153	83	151	4.7
1950 to 1959 .....	1 931	80	321	270	262	236	258	221	283	4.6
1940 to 1949 .....	2 103	195	506	302	262	278	146	139	275	3.7
1939 or earlier .....	2 902	484	757	468	389	220	197	159	228	2.9
<b>UNITS IN STRUCTURE</b>										
1 .....	8 910	825	1 718	1 358	1 255	1 062	920	687	1 085	3.9
2 or more .....	198	26	73	34	31	-	-	19	15	2.5
Mobile home or trailer .....	107	12	39	26	5	-	19	-	6	2.6
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	6 408	567	1 363	1 020	949	755	602	470	682	3.8
2 and 2 1/2 .....	1 112	34	133	181	156	184	174	110	140	4.8
3 or more .....	268	6	56	23	42	38	21	26	56	4.7
None or also used by another household .....	1 427	256	278	194	144	85	142	100	228	3.4
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more-person households</b> .....	<b>8 352</b>	...	<b>1 830</b>	<b>1 418</b>	<b>1 291</b>	<b>1 062</b>	<b>939</b>	<b>706</b>	<b>1 106</b>	<b>4.2</b>
Male head, wife present, no nonrelatives .....	6 319	...	1 174	886	1 049	860	745	603	1 002	4.6
Under 25 years .....	108	...	15	46	29	-	18	-	-	3.3
25 to 34 years .....	923	...	52	139	223	185	141	102	81	4.8
35 to 44 years .....	1 563	...	39	114	156	273	318	231	432	6.1
45 to 64 years .....	2 702	...	493	403	516	323	232	251	450	4.4
65 years and over .....	1 023	...	575	184	125	45	36	19	39	2.4
Other male head .....	539	...	106	132	81	54	83	28	55	3.9
Under 65 years .....	384	...	54	102	64	38	57	14	55	4.1
65 years and over .....	155	...	52	30	17	16	26	14	-	3.4
Female head .....	1 494	...	550	400	161	148	111	75	49	3.0
Under 65 years .....	1 022	...	290	293	126	132	87	60	34	3.3
65 years and over .....	472	...	260	107	35	16	24	15	15	2.4
<b>One-person households</b> .....	<b>863</b>	<b>863</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	<b>8 650</b>	<b>796</b>	<b>1 669</b>	<b>1 329</b>	<b>1 180</b>	<b>1 043</b>	<b>899</b>	<b>668</b>	<b>1 066</b>	<b>4.0</b>
Less than 1.5 .....	3 556	62	395	571	618	578	473	295	564	4.7
1.5 to 1.9 .....	1 346	65	197	222	229	157	171	127	178	4.3
2.0 to 2.4 .....	863	74	201	148	82	86	48	90	134	3.6
2.5 to 2.9 .....	541	39	111	104	43	56	83	36	69	3.9
3.0 to 3.9 .....	693	121	178	135	31	75	46	53	54	2.9
4.0 or more .....	1 386	362	500	113	149	85	59	62	56	2.2
Not computed .....	265	73	87	36	28	6	19	5	11	2.2
<b>Renter occupied housing units</b> .....	<b>5 358</b>	<b>702</b>	<b>991</b>	<b>849</b>	<b>803</b>	<b>692</b>	<b>327</b>	<b>468</b>	<b>526</b>	<b>3.7</b>
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	99	9	15	18	7	29	7	7	7	...
1965 to 1968 .....	284	55	69	39	51	29	20	-	21	3.0
1960 to 1964 .....	345	58	108	40	30	36	27	32	14	2.7
1950 to 1959 .....	989	62	107	203	179	155	64	89	130	4.2
1940 to 1949 .....	1 378	156	246	196	246	204	60	120	150	3.9
1939 or earlier .....	2 263	362	446	353	290	239	149	220	204	3.4
<b>UNITS IN STRUCTURE</b>										
1 .....	4 377	565	770	652	687	583	278	411	431	3.8
2 .....	386	19	61	78	55	48	49	25	51	4.1
3 and 4 .....	252	20	69	32	32	38	-	32	29	3.7
5 to 9 .....	103	12	15	47	6	16	-	-	7	3.0
10 to 19 .....	54	12	20	6	16	-	-	-	-	1.7
20 or more .....	131	58	37	14	7	7	-	-	8	...
Mobile home or trailer .....	55	16	19	20	-	-	-	-	-	...
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	3 530	395	668	609	557	479	228	289	305	3.7
2 or more .....	251	29	31	39	47	33	43	22	7	4.1
None or also used by another household .....	1 577	278	292	201	199	180	56	157	214	3.6
<b>HOUSEHOLD COMPOSITION</b>										
<b>Two-or-more person households</b> .....	<b>4 656</b>	...	<b>991</b>	<b>849</b>	<b>803</b>	<b>692</b>	<b>327</b>	<b>468</b>	<b>526</b>	<b>4.1</b>
Male head, wife present, no nonrelatives .....	3 510	...	704	595	605	555	227	353	471	4.3
Under 25 years .....	426	...	129	168	50	75	-	4	-	3.0
25 to 34 years .....	1 013	...	159	152	257	179	43	136	87	4.3
35 to 44 years .....	783	...	36	56	142	125	87	106	231	5.9
45 to 64 years .....	905	...	178	152	116	152	92	91	124	4.5
65 years and over .....	383	...	202	67	40	24	5	16	29	2.4
Other male head .....	258	...	84	53	30	19	24	24	20	3.3
Under 65 years .....	223	...	64	42	30	19	24	4	4	3.7
65 years and over .....	35	...	20	11	-	-	-	-	-	...
Female head .....	888	...	203	201	168	118	76	87	35	3.7
Under 65 years .....	775	...	125	201	147	118	69	87	28	3.9
65 years and over .....	113	...	78	-	21	7	-	-	7	2.2
<b>One-person households</b> .....	<b>702</b>	<b>702</b>	...	...	...	...	...	...	...	<b>1.0</b>
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	<b>5 261</b>	<b>694</b>	<b>969</b>	<b>843</b>	<b>779</b>	<b>683</b>	<b>327</b>	<b>468</b>	<b>498</b>	<b>3.7</b>
Less than 10 percent .....	593	26	113	64	67	107	61	69	86	4.7
10 to 14 percent .....	982	72	122	218	195	137	75	83	80	3.9
15 to 19 percent .....	710	35	174	109	110	78	44	65	95	3.8
20 to 24 percent .....	640	49	107	133	106	94	14	63	74	3.8
25 to 34 percent .....	689	89	155	87	100	84	62	34	78	3.6
35 percent or more .....	852	202	185	113	82	98	39	100	33	2.8
Not computed .....	795	221	113	119	119	85	32	54	52	3.0

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

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



**Table B-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]

Laredo	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	<b>6 987</b>	<b>2 345</b>	<b>754</b>	<b>533</b>	<b>439</b>	<b>493</b>	<b>408</b>	<b>407</b>	<b>451</b>	<b>196</b>		<b>961</b>	<b>59</b>
<b>ROOMS</b>													
1 room	193	84	5	13	5	5	5	11		5		60	50-
2 rooms	1 040	771	54	28	7	29	17	24	10	5		95	50-
3 rooms	1 712	824	282	147	91	86	54	38	46			144	50
4 rooms	1 901	495	226	174	137	198	118	98	154	71		230	67
5 rooms	1 320	142	122	138	149	120	119	127	145	42		216	80
6 rooms	598	29	54	18	41	29	85	79	56	54		153	112
7 rooms	173		11	10		21	10	21	35	19		46	136
8 rooms or more	50			5	9	5		9	5			17	...
Median	3.7	2.9	3.7	4.0	4.4	4.1	4.6	4.8	4.6	4.9		4.3	...
<b>PERSONS</b>													
1 person	979	484	55	68	46	60	36	41	19	15		155	50-
2 persons	1 519	450	125	91	74	125	81	93	225	94		161	72
3 persons	1 184	343	128	91	50	95	87	102	70	42		176	64
4 persons	960	271	130	65	83	43	37	34	27	20		178	59
5 persons	839	197	108	80	71	56	48	85	43	5		146	65
6 persons or more	1 506	600	208	138	115	114	57	52	57	20		145	54
Median	3.3	3.2	4.0	3.8	4.1	3.1	3.5	3.2	2.4	2.4		3.4	...
Units with roomers, boarders, or lodgers	32	11	5					10				6	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	<b>5 588</b>	<b>1 249</b>	<b>682</b>	<b>513</b>	<b>439</b>	<b>493</b>	<b>403</b>	<b>407</b>	<b>451</b>	<b>191</b>		<b>760</b>	<b>69</b>
0.50 or less	1 563	325	116	100	103	167	94	108	210	122		218	84
0.51 to 1.00	2 414	403	284	223	172	197	254	222	201	64		394	76
1.01 to 1.50	853	197	141	89	124	74	36	50	40	5		97	64
1.51 or more	758	324	141	101	40	55	19	27				51	52
<b>Lacking some or all plumbing facilities</b>	<b>1 399</b>	<b>1 096</b>	<b>72</b>	<b>20</b>								<b>201</b>	<b>50-</b>
0.50 or less	282	220	11	5								51	50-
0.51 to 1.00	353	288	5									50	50-
1.01 to 1.50	219	159	23	3								34	50-
1.51 or more	545	429	33	12						5		66	50-
<b>BEDROOMS</b>													
None	272	128				19						125	...
1	2 455	1 345	313	82	84	204	120	40	86	21		160	50-
2	2 568	709	175	275	273	289	161	38	220	59		369	68
3 or more	1 675	170	158	98	183	84	162	227	165	87		341	94
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	549	12	14	20	5	14	52	57	44	45		286	128
1965 to 1968	628	89	15	37	27	35	42	97	176	57		53	133
1960 to 1964	568	140	44	16	20	62	58	52	83	35		58	88
1950 to 1959	1 197	379	162	110	59	94	98	69	63	11		121	60
1940 to 1949	1 532	554	226	152	118	124	86	26	44	6		196	55
1939 or earlier	2 513	1 171	293	198	210	164	76	77	35	42		247	50
<b>ELEVATOR IN STRUCTURE</b>													
4 floors or more	82	42				40							...
With elevator	82	42				40							...
Walk-up													...
1 to 3 floors	6 888	2 310	646	455	540	556	443	305	471	167		995	60
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	4 866	1 126	688	521	365	437	347	367	344	166		505	67
2 or more	540	34		9	21	23	35	77	74	37		230	133
None or also used by another household	1 596	1 217	101	25	9	7	13					224	50-
<b>INCOME IN 1969</b>													
Less than \$2,000	1 693	1 089	132	120	50	39	32	24	22	15		170	50-
\$2,000 to \$2,999	880	442	132	81	46	32	19	18	15			95	50-
\$3,000 to \$3,999	878	342	136	100	72	63	39	14	22	11		79	54
\$4,000 to \$4,999	717	178	91	47	87	69	42	51	24	5		123	66
\$5,000 to \$5,999	620	98	78	70	53	81	17	35	29	13		146	69
\$6,000 to \$6,999	444	63	47	30	36	20	70	46	45	21		66	92
\$7,000 to \$7,999	902	68	109	61	54	98	103	108	149	11		141	97
\$8,000 to \$8,999	621	49	29	18	28	79	69	69	104	59		117	114
\$9,000 to \$14,999	200	11			13	12	17	42	35	50		20	146
\$15,000 to \$24,999	32	5		6					6	11		4	...
\$25,000 or more													...
Median	\$3 900	\$2 200	\$3 800	\$3 700	\$4 600	\$5 500	\$6 800	\$7 400	\$8 400	\$11 900		\$5 100	...
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	3 130	654	239	246	149	252	275	344	338	152		481	83
1968	815	318	146	58	54	50	46	33	17	31		62	54
1967	529	232	95	40	57	15	6	21	21	14		28	52
1965 and 1966	727	344	121	41	57	68	24	13	6			37	50
1960 to 1964	831	397	108	100	32	60	15	21				178	50-
1950 to 1959	666	322	47	46	36	15	16		6			75	51
1949 or earlier	304	110	33	24	10	7	13	12	20				
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	764	391	136	39	52	68	29	32	6	11		...	50
10 to 14 percent	1 122	432	190	112	79	112	84	62	35	16		...	57
15 to 19 percent	939	378	81	70	85	63	83	52	88	39		...	62
20 to 24 percent	884	223	126	101	79	77	80	82	77	39		...	69
25 to 34 percent	973	371	94	84	70	84	36	85	123	26		...	63
35 percent or more	1 178	465	113	101	64	89	86	94	105	61		...	61
Not computed	1 127	85	14	26	10		10		17	4		961	50
<b>AIR CONDITIONING</b>													
Room unit(s)	1 833	247	197	136	146	227	216	254	159	35		216	88
Central system	978	40					65	142	240	151		340	165
None	4 191	2 090	592	419	249	240	114	48	19	17		403	50-

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







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

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

Laredo	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b> .....	<b>9 871</b>	<b>71</b>	<b>548</b>	<b>1 182</b>	<b>2 627</b>	<b>2 687</b>	<b>1 692</b>	<b>718</b>	<b>346</b>	<b>4.7</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	8 448	21	155	813	2 212	2 445	1 681	773	348	4.9
<b>PERSONS</b>										
1 person .....	1 207	46	197	245	257	237	138	56	31	3.9
2 persons .....	2 050	—	102	334	664	515	258	130	47	4.4
3 persons .....	1 521	22	61	173	428	480	239	90	28	4.7
4 persons .....	1 377	—	81	137	322	351	308	101	77	4.9
5 persons .....	1 083	3	34	67	319	286	243	82	49	4.9
6 persons or more .....	2 633	—	73	226	637	818	506	259	114	5.0
Median .....	3.6	...	2.3	2.6	3.4	3.8	4.2	4.3	4.4	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b> .....	<b>8 549</b>	<b>21</b>	<b>179</b>	<b>833</b>	<b>2 296</b>	<b>2 513</b>	<b>1 658</b>	<b>708</b>	<b>341</b>	<b>4.9</b>
0.50 or less .....	2 842	—	68	160	803	705	626	276	204	5.1
0.51 to 1.00 .....	3 284	16	43	381	689	1 058	674	309	114	5.0
1.01 to 1.50 .....	1 493	—	24	80	480	486	296	104	23	4.8
1.51 or more .....	930	5	44	212	324	264	62	19	—	4.1
<b>Lacking some or all plumbing facilities</b> .....	<b>1 322</b>	<b>50</b>	<b>369</b>	<b>349</b>	<b>331</b>	<b>174</b>	<b>34</b>	<b>10</b>	<b>5</b>	<b>3.2</b>
0.50 or less .....	393	—	129	85	118	47	9	—	5	3.3
0.51 to 1.00 .....	356	30	59	126	61	59	16	5	—	3.2
1.01 to 1.50 .....	207	—	37	57	66	33	9	5	—	3.6
1.51 or more .....	366	20	144	81	86	35	—	—	—	2.7
<b>BEDROOMS</b>										
None and 1 .....	1 878	40	649	766	302	82	18	—	21	2.8
2 .....	4 467	—	—	458	2 263	1 357	331	39	19	4.3
3 .....	3 078	—	—	—	301	1 400	948	292	137	5.4
4 or more .....	587	—	—	—	—	17	243	190	137	6.7
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	360	—	26	21	130	89	53	16	25	4.5
1960 to 1968 .....	2 027	30	118	206	591	598	345	84	55	4.6
1950 to 1959 .....	2 113	11	74	179	592	659	357	161	80	4.8
1949 or earlier .....	5 371	30	330	776	1 314	1 341	937	457	186	4.7
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	6 952	21	170	774	2 164	2 145	1 140	416	122	4.7
2 or more .....	1 556	—	—	51	76	300	546	357	226	6.1
None or also used by another household .....	1 363	60	343	361	346	198	40	8	7	3.3
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b> .....	<b>9 193</b>	<b>65</b>	<b>522</b>	<b>1 054</b>	<b>2 447</b>	<b>2 485</b>	<b>1 604</b>	<b>687</b>	<b>329</b>	<b>4.7</b>
Less than 1.5 .....	3 647	12	155	444	1 065	920	613	287	151	4.7
1.5 to 1.9 .....	1 312	13	50	117	281	458	270	81	42	4.9
2.0 to 2.9 .....	1 473	19	63	131	420	413	250	141	36	4.8
3.0 or more .....	2 476	15	211	321	619	621	436	163	90	4.6
Not computed .....	285	6	43	41	62	73	35	15	10	4.3
<b>Renter occupied housing units</b> .....	<b>6 999</b>	<b>193</b>	<b>1 040</b>	<b>1 719</b>	<b>1 906</b>	<b>1 320</b>	<b>598</b>	<b>173</b>	<b>50</b>	<b>3.8</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access .....	5 350	59	368	1 247	1 651	1 252	543	178	52	4.1
<b>PERSONS</b>										
1 person .....	979	81	354	281	126	95	21	10	11	2.7
2 persons .....	1 519	50	226	418	573	161	63	23	5	3.6
3 persons .....	1 184	25	146	339	318	234	73	38	11	3.8
4 persons .....	967	14	67	228	289	222	114	33	—	4.1
5 persons .....	839	13	76	147	251	207	137	8	—	4.2
6 persons or more .....	1 511	10	171	306	349	401	190	61	23	4.3
Median .....	3.3	1.8	2.2	3.0	3.3	4.3	4.7	4.0	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b> .....	<b>5 595</b>	<b>97</b>	<b>434</b>	<b>1 314</b>	<b>1 685</b>	<b>1 254</b>	<b>588</b>	<b>173</b>	<b>50</b>	<b>4.1</b>
0.50 or less .....	1 563	—	188	219	659	246	153	71	27	4.1
0.51 to 1.00 .....	2 414	30	109	637	569	636	334	80	19	4.3
1.01 to 1.50 .....	860	—	61	164	270	255	84	22	4	4.3
1.51 or more .....	758	67	76	294	187	117	17	—	—	3.3
<b>Lacking some or all plumbing facilities</b> .....	<b>1 404</b>	<b>96</b>	<b>606</b>	<b>405</b>	<b>221</b>	<b>66</b>	<b>10</b>	<b>—</b>	<b>—</b>	<b>2.5</b>
0.50 or less .....	282	—	166	62	40	10	4	—	—	2.3
0.51 to 1.00 .....	353	51	117	120	38	27	—	—	—	2.6
1.01 to 1.50 .....	219	—	85	64	51	13	6	—	—	2.9
1.51 or more .....	550	45	238	159	92	16	—	—	—	2.5
<b>BEDROOMS</b>										
one .....	272	193	79	—	—	—	—	—	—	...
2 .....	2 455	—	1 001	1 179	211	64	—	—	—	2.7
3 .....	2 589	—	—	417	1 476	520	156	20	—	4.1
4 or more .....	1 675	—	—	—	191	662	624	123	75	5.5
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970 .....	549	—	22	37	155	206	125	4	—	4.8
1960 to 1968 .....	1 196	26	127	231	456	246	88	11	11	4.0
1950 to 1959 .....	1 204	40	133	282	351	255	94	49	—	3.9
1949 or earlier .....	4 050	127	758	1 169	944	613	291	109	39	3.5
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2 .....	4 874	65	384	1 244	1 629	1 090	366	92	4	4.0
2 or more .....	540	6	—	27	34	162	177	86	48	5.7
None or also used by another household .....	1 596	112	664	500	246	69	5	—	—	2.5
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b> .....	<b>6 987</b>	<b>193</b>	<b>1 040</b>	<b>1 712</b>	<b>1 901</b>	<b>1 320</b>	<b>598</b>	<b>173</b>	<b>50</b>	<b>3.8</b>
Less than 10 percent .....	764	15	98	203	172	170	90	11	5	3.9
10 to 14 percent .....	1 122	67	195	283	298	156	100	23	—	3.6
15 to 19 percent .....	939	5	118	241	246	240	72	17	—	3.9
20 to 24 percent .....	884	13	75	264	252	189	70	21	—	3.9
25 to 34 percent .....	973	18	147	276	290	174	53	10	5	3.7
35 percent or more .....	1 178	10	278	265	359	155	54	34	23	3.6
Not computed .....	1 127	65	129	180	284	236	159	57	17	4.2

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

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







Table 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]

Laredo					Laredo				
	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	169	59	25	85	Vacant for rent	427	202	137	88
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	24	5	-	19	1 room	27	9	5	13
4 rooms	53	10	8	35	2 rooms	47	16	15	16
5 rooms	64	30	14	20	3 rooms	101	60	19	22
6 rooms	16	10	-	6	4 rooms	151	54	79	18
7 rooms or more	12	4	3	5	5 rooms	84	61	16	7
					6 rooms	17	2	3	12
					7 rooms or more	-	-	-	-
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
With all plumbing facilities	141	54	21	66	With all plumbing facilities	333	181	98	54
Lacking some or all plumbing facilities	28	5	4	19	Lacking some or all plumbing facilities	94	21	39	34
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None and 1	-	-	-	-	None	17	-	-	17
2	50	-	33	17	1	135	84	34	17
3	103	69	-	34	2	219	68	135	16
4 or more	34	17	-	17	3 or more	68	34	17	17
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1969 to March 1970	51	35	7	9	1969 to March 1970	26	22	4	-
1960 to 1968	24	6	3	15	1960 to 1968	92	56	34	2
1950 to 1959	23	5	7	11	1950 to 1959	73	22	35	16
1949 or earlier	71	13	8	50	1949 or earlier	236	102	64	70
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1	164	59	25	80	1	334	148	105	81
2 or more	5	-	-	5	2 to 4	25	12	13	-
					5 to 9	16	7	4	5
					10 to 19	17	7	8	2
					20 or more	35	28	7	-
<b>HEATING EQUIPMENT</b>					<b>RENT ASKED</b>				
Steam or hot water	-	-	-	-	Specified vacant for rent <sup>2</sup>	427	202	137	88
Warm-air furnace	3	-	-	3	Less than \$50	193	65	69	59
Built-in electric units	10	7	3	-	\$50 to \$59	33	28	-	5
Floor, wall, or pipeless furnace	3	3	-	-	\$60 to \$79	81	33	43	5
Other means	146	49	18	79	\$80 to \$99	28	12	16	-
None	7	-	4	3	\$100 to \$119	35	23	2	10
					\$120 to \$149	17	14	3	-
					\$150 to \$199	35	27	4	4
					\$200 or more	5	-	-	5
<b>SALES PRICE ASKED</b>					Median rent asked	\$56	\$65	\$50	...
Specified vacant for sale <sup>1</sup>	164	59	25	80					
Less than \$5,000	45	7	8	30					
\$5,000 to \$9,999	41	8	6	27					
\$10,000 to \$14,999	50	35	-	15					
\$15,000 to \$19,999	5	2	-	3					
\$20,000 to \$24,999	6	3	3	-					
\$25,000 to \$34,999	8	-	8	-					
\$35,000 to \$49,999	4	4	-	-					
\$50,000 or more	5	-	-	5					
Median price asked	\$9 000	...	...	...					

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

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

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

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

Laredo	Sales price asked - Vacant for sale <sup>1</sup>							Rent asked - Vacant for rent <sup>2</sup>						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	164	86	50	5	6	8	9	427	226	81	28	52	35	5
<b>PLUMBING FACILITIES</b>														
With all plumbing facilities	170	33	86	17	-	-	34	372	118	102	67	17	51	17
Lacking some or all plumbing facilities	17	17	-	-	-	-	-	67	67	-	-	-	-	-
<b>BEDROOMS</b>														
None and 1	-	-	-	-	-	-	-	152	84	35	-	-	16	17
2	50	33	17	-	-	-	-	219	84	33	67	17	18	-
3	103	17	69	17	-	-	-	51	17	17	-	-	17	-
4 or more	34	-	-	-	-	-	34	17	-	17	-	-	-	-
<b>YEAR STRUCTURE BUILT</b>														
1969 to March 1970	51	13	28	-	3	3	4	26	2	5	-	9	10	-
1960 to 1968	24	13	11	-	-	-	-	92	36	13	6	14	23	-
1950 to 1959	18	12	6	-	-	-	-	73	23	15	16	19	-	-
1949 or earlier	71	48	5	5	3	5	5	236	165	48	6	10	2	5
<b>UNITS IN STRUCTURE</b>														
1	...	...	...	...	...	...	...	334	184	68	25	45	7	5
2 to 4	...	...	...	...	...	...	...	25	14	5	3	-	3	-
5 to 19	...	...	...	...	...	...	...	33	21	8	-	-	4	-
20 or more	...	...	...	...	...	...	...	35	7	-	-	7	21	-
<b>INCLUSION OF UTILITIES IN RENT</b>														
All utilities included	...	...	...	...	...	...	...	56	46	5	3	2	-	-
Some or no utilities included	...	...	...	...	...	...	...	371	180	76	25	50	35	5

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

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





Table B-20. Gross Rent of Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970

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

Laredo	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
<b>Specified renter occupied<sup>1</sup></b>	<b>5 141</b>	<b>2 172</b>	<b>751</b>	<b>491</b>	<b>347</b>	<b>325</b>	<b>167</b>	<b>130</b>	<b>110</b>	<b>50</b>		<b>598</b>	<b>51</b>
<b>ROOMS</b>													
1 room	134	81	5	—	—	—	—	7	—	—	—	—	41
2 rooms	878	692	48	13	—	19	—	—	—	—	—	—	106
3 rooms	1 469	756	286	138	78	32	32	6	—	—	—	—	141
4 rooms	1 390	492	232	148	131	126	66	37	41	22	—	—	95
5 rooms	784	133	134	142	95	94	25	32	36	8	—	—	85
6 rooms	330	18	30	27	32	32	38	43	16	20	—	—	74
7 rooms	104	—	16	14	—	15	6	5	17	—	—	—	31
8 rooms or more	52	—	—	9	11	7	—	—	—	—	—	—	25
Median	3.6	2.9	3.7	4.1	4.2	4.4	4.3	5.0	4.9	...	—	—	3.6
<b>PERSONS</b>													
1 person	668	390	33	38	19	25	—	7	—	9	—	—	147
2 persons	940	444	88	78	65	74	54	23	23	14	—	—	77
3 persons	843	332	138	97	29	53	29	29	17	5	—	—	114
4 persons	730	250	149	66	61	36	46	14	22	7	—	—	79
5 persons	674	214	129	65	75	36	22	34	20	7	—	—	72
6 persons or more	1 286	542	214	147	98	101	16	23	28	8	—	—	109
Median	3.7	3.3	4.3	4.0	4.5	3.8	3.5	3.9	4.2	...	—	—	3.2
Units with roomers, boarders, or lodgers	14	14	—	—	—	—	—	—	—	—	—	—	—
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
<b>With all plumbing facilities</b>	<b>3 802</b>	<b>1 142</b>	<b>663</b>	<b>472</b>	<b>347</b>	<b>325</b>	<b>167</b>	<b>130</b>	<b>110</b>	<b>50</b>		<b>396</b>	<b>58</b>
0.50 or less	865	285	71	78	61	99	42	30	23	28	—	—	148
0.51 to 1.00	1 549	343	294	232	139	127	110	62	68	14	—	—	160
1.01 to 1.50	664	195	134	74	100	62	7	24	19	8	—	—	41
1.51 or more	724	319	164	88	47	37	8	14	—	—	—	—	47
<b>Lacking some or all plumbing facilities</b>	<b>1 339</b>	<b>1 030</b>	<b>88</b>	<b>19</b>								<b>202</b>	<b>50-</b>
0.50 or less	237	180	15	—	—	—	—	—	—	—	—	—	42
0.51 to 1.00	358	296	6	—	—	—	—	—	—	—	—	—	56
1.01 to 1.50	216	148	31	4	—	—	—	—	—	—	—	—	33
1.51 or more	528	406	36	15	—	—	—	—	—	—	—	—	71
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	99	8	22	12	7	—	—	8	7	—	—	—	35
1965 to 1968	229	71	19	26	7	11	9	7	28	16	—	—	35
1960 to 1964	345	142	48	—	19	42	15	7	21	14	—	—	37
1950 to 1959	956	354	162	106	47	78	34	36	35	—	—	—	104
1940 to 1949	1 316	544	206	149	93	87	62	20	12	—	—	—	143
1939 or earlier	2 196	1 053	294	198	174	107	47	52	7	20	—	—	244
<b>COMPLETE BATHROOMS</b>													
1 and 1 1/2	3 429	1 014	650	463	317	295	161	81	84	50	—	—	314
2 or more	235	34	—	9	21	23	6	49	26	—	—	—	67
None or also used by another household	1 477	1 124	101	19	9	7	—	—	—	—	—	—	217
<b>INCOME IN 1969</b>													
Less than \$2,000	1 497	1 038	118	112	16	32	17	7	—	—	—	—	157
\$2,000 to \$2,999	819	439	140	90	36	8	5	—	10	—	—	—	91
\$3,000 to \$3,999	737	308	141	75	60	55	29	—	7	—	—	—	62
\$4,000 to \$4,999	528	199	80	27	78	23	—	16	7	8	—	—	90
\$5,000 to \$5,999	412	61	106	83	33	53	9	16	—	—	—	—	51
\$6,000 to \$6,999	289	70	46	31	45	8	16	8	14	6	—	—	45
\$7,000 to \$7,999	512	36	96	57	47	88	47	50	40	—	—	—	51
\$10,000 to \$14,999	268	12	24	16	25	42	36	33	14	21	—	—	45
\$15,000 to \$24,999	52	9	—	—	7	16	8	—	12	—	—	—	—
\$25,000 or more	27	—	—	—	—	—	—	—	6	15	—	—	6
Median	\$3 300	\$2 100	\$3 800	\$3 600	\$4 800	\$5 800	\$7 500	\$8 100	\$8 300	...	—	—	\$3 800
<b>YEAR MOVED INTO UNIT</b>													
1969 to March 1970	1 738	604	223	195	121	158	96	76	90	28	—	—	147
1968	708	311	139	58	44	42	24	15	6	14	—	—	55
1967	436	194	95	33	57	7	—	6	8	8	—	—	28
1965 and 1966	608	299	114	41	51	44	9	13	—	—	—	—	37
1960 to 1964	791	392	100	94	32	60	15	12	—	—	—	—	86
1950 to 1959	600	278	47	46	36	7	16	—	—	—	—	—	170
1949 or earlier	260	94	33	24	6	7	7	8	6	—	—	—	75
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>													
Less than 10 percent	586	299	120	34	47	50	15	—	6	15	—	—	...
10 to 14 percent	966	410	208	108	77	83	41	27	12	—	—	—	...
15 to 19 percent	710	368	69	72	71	52	44	26	8	—	—	—	...
20 to 24 percent	625	255	128	62	65	37	16	30	20	12	—	—	...
25 to 34 percent	689	310	114	96	47	55	—	24	34	9	—	—	...
35 percent or more	826	441	105	96	35	48	34	23	30	14	—	—	...
Not computed	739	89	7	23	5	—	17	—	—	—	—	—	598
<b>AIR CONDITIONING</b>													
Room unit(s)	1 166	228	174	92	111	121	108	85	74	5	—	—	168
Central system	156	20	—	—	—	—	—	17	23	37	—	—	59
None	3 819	1 924	577	399	236	204	59	28	13	8	—	—	371

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

**Table B-21. Income in 1969 of Families and Primary Individuals in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970**

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

<b>Laredo</b>	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
<b>Owner occupied housing units</b> .....	<b>8 770</b>	<b>1 814</b>	<b>1 105</b>	<b>1 026</b>	<b>724</b>	<b>676</b>	<b>619</b>	<b>1 156</b>	<b>929</b>	<b>513</b>	<b>208</b>	<b>4 600</b>
<b>ROOMS</b>												
1 and 2 rooms .....	539	263	145	53	21	36	7	4	10	-	-	2 000
3 rooms .....	1 082	370	197	196	113	60	53	35	54	4	-	2 900
4 rooms .....	2 369	540	442	287	211	281	182	263	116	47	-	3 700
5 rooms .....	2 371	429	188	272	262	163	189	412	285	157	14	5 200
6 rooms .....	1 438	146	84	167	94	74	118	274	258	135	86	7 400
7 rooms or more .....	971	66	49	51	21	62	70	168	206	170	108	10 000
<b>PERSONS</b>												
1 person .....	842	618	84	29	17	19	34	9	26	-	6	2000-
2 persons .....	1 734	618	363	225	91	61	101	112	88	45	30	2 700
3 and 4 persons .....	2 599	335	241	345	276	255	186	398	299	201	63	5 400
5 persons .....	993	59	82	66	86	117	112	146	197	82	46	6 800
6 persons or more .....	2 602	184	335	361	254	224	186	491	319	185	63	5 700
Units with roomers, boarders, or lodgers .....	77	9	15	7	6	-	14	11	-	9	6	...
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 .....	276	33	23	31	40	33	30	13	51	15	7	5 300
1960 to 1968 .....	1 774	264	218	181	140	175	118	237	239	123	79	5 500
1950 to 1959 .....	1 873	291	231	226	158	168	80	281	251	115	72	5 200
1949 or earlier .....	4 847	1 226	633	588	386	300	391	625	388	260	50	4 000
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 .....	614	96	75	62	87	57	47	67	73	43	7	4 900
1968 .....	475	81	53	54	45	18	25	76	83	22	18	5 300
1960 to 1967 .....	2 555	426	314	298	176	264	148	347	321	154	107	5 200
1959 or earlier .....	5 126	1 211	663	612	416	337	399	666	452	294	76	4 200
<b>SELECTED CHARACTERISTICS</b>												
With air conditioning .....	3 307	317	219	279	201	117	277	617	622	450	208	8 200
Room unit(s) .....	2 622	271	212	261	185	110	253	562	455	271	42	7 100
Central system .....	685	46	7	18	16	7	24	55	167	179	166	15 100
Automobiles available:												
1 .....	4 280	666	567	652	428	422	396	575	353	190	31	4 600
2 .....	2 003	64	106	112	137	172	128	435	481	240	128	8 900
3 or more .....	412	47	9	36	26	8	27	78	64	68	49	9 000
<b>Renter occupied housing units</b> .....	<b>5 149</b>	<b>1 497</b>	<b>819</b>	<b>745</b>	<b>528</b>	<b>412</b>	<b>289</b>	<b>512</b>	<b>268</b>	<b>52</b>	<b>27</b>	<b>3 300</b>
<b>ROOMS</b>												
1 room .....	134	68	37	-	17	5	-	-	7	-	-	2 000
2 rooms .....	878	497	136	107	76	13	29	14	6	-	-	2000-
3 rooms .....	1 477	493	263	257	140	81	106	108	29	-	-	2 900
4 rooms .....	1 390	269	221	212	142	195	98	151	86	16	-	4 000
5 rooms .....	784	87	107	124	117	71	39	165	57	11	6	4 600
6 rooms or more .....	486	83	55	45	36	47	17	74	83	25	21	5 500
<b>PERSONS</b>												
1 person .....	668	485	54	34	7	33	17	29	9	-	-	2000-
2 persons .....	940	344	147	112	88	23	53	102	63	-	8	2 900
3 and 4 persons .....	1 581	265	324	256	162	168	118	181	107	-	-	3 800
5 persons .....	674	154	63	84	63	94	47	83	61	6	19	4 600
6 persons or more .....	1 286	249	231	259	208	94	54	117	28	46	-	3 600
Units with roomers, boarders, or lodgers .....	14	8	-	6	-	-	-	-	-	-	-	...
<b>YEAR STRUCTURE BUILT</b>												
1969 to March 1970 .....	99	23	7	7	14	18	-	23	7	-	-	...
1960 to 1968 .....	574	165	71	96	46	67	23	57	36	5	8	3 500
1950 to 1959 .....	964	169	178	181	129	101	48	122	28	8	-	3 700
1949 or earlier .....	3 512	1 140	563	461	339	226	218	310	197	39	19	3 100
<b>YEAR MOVED INTO UNIT</b>												
1969 to March 1970 .....	1 738	489	231	295	160	127	74	247	79	36	-	3 500
1968 .....	708	140	148	102	76	82	54	39	54	-	13	3 600
1960 to 1967 .....	1 832	541	359	260	174	155	85	151	86	7	14	3 100
1959 or earlier .....	871	327	81	88	118	48	76	75	49	9	-	3 300
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>												
Specified renter occupied <sup>1</sup> .....	5 141	1 497	819	737	528	412	289	512	268	52	27	3 300
Less than 15 percent .....	1 552	65	88	169	255	205	192	323	182	52	21	6 000
15 to 19 percent .....	710	81	148	184	89	109	17	68	14	-	-	3 700
20 to 24 percent .....	625	88	199	183	55	31	7	44	18	-	-	3 100
25 to 34 percent .....	689	280	247	87	8	16	16	26	9	-	-	2 300
35 percent or more .....	826	685	46	52	31	12	12	-	-	-	-	2000-
Not computed .....	739	298	91	62	90	51	45	51	45	-	6	2 800
<b>SELECTED CHARACTERISTICS</b>												
With air conditioning .....	1 322	192	172	115	129	99	127	246	184	31	27	5 500
Room unit(s) .....	1 166	172	172	100	122	91	113	205	148	31	12	5 200
Central system .....	156	20	-	15	7	8	14	41	36	-	15	8 000
Automobiles available:												
1 .....	2 795	487	364	500	353	317	204	357	174	31	8	4 100
2 .....	416	23	35	29	59	41	27	101	76	12	13	6 800
3 or more .....	46	6	-	9	-	-	-	5	11	9	6	...

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



**Table B—23. Rooms in Owner and Renter Occupied Housing Units With Household Head of Spanish Language or Spanish Surname: 1970**

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

<b>Laredo</b>	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
<b>Owner occupied housing units</b>	<b>8 770</b>	<b>74</b>	<b>465</b>	<b>1 082</b>	<b>2 369</b>	<b>2 371</b>	<b>1 438</b>	<b>666</b>	<b>305</b>	<b>4.7</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	7 436	14	147	730	2 018	2 173	1 398	658	298	4.9
<b>PERSONS</b>										
1 person	842	44	140	234	201	142	29	40	12	3.5
2 persons	1 734	—	101	307	551	434	213	90	38	4.3
3 persons	1 341	26	52	169	399	392	194	77	32	4.6
4 persons	1 258	—	79	120	311	292	265	108	83	4.9
5 persons	993	4	18	48	312	292	203	72	44	4.9
6 persons or more	2 602	—	75	204	595	819	534	279	96	5.0
Median	3.9	...	2.4	2.5	3.6	4.2	4.6	4.8	4.3	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>7 615</b>	<b>14</b>	<b>171</b>	<b>772</b>	<b>2 069</b>	<b>2 218</b>	<b>1 415</b>	<b>658</b>	<b>298</b>	<b>4.9</b>
0.50 or less	2 231	—	70	147	666	539	424	207	178	4.9
0.51 to 1.00	3 045	14	33	376	660	935	618	310	99	5.0
1.01 to 1.50	1 464	—	17	65	466	484	298	113	21	4.9
1.51 or more	875	—	51	184	277	260	75	28	—	4.2
<b>Lacking some or all plumbing facilities</b>	<b>1 155</b>	<b>60</b>	<b>294</b>	<b>310</b>	<b>300</b>	<b>153</b>	<b>23</b>	<b>8</b>	<b>7</b>	<b>3.2</b>
0.50 or less	299	—	70	87	86	37	12	—	7	3.4
0.51 to 1.00	289	30	68	100	50	41	—	—	—	3.0
1.01 to 1.50	223	—	35	55	76	38	11	8	—	3.8
1.51 or more	344	30	121	68	88	37	—	—	—	2.8
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	276	—	20	17	117	65	29	21	7	4.4
1960 to 1968	1 774	33	85	186	561	496	279	95	39	4.5
1950 to 1959	1 873	9	76	147	510	589	323	152	67	4.8
1949 or earlier	4 847	32	284	732	1 181	1 221	807	398	192	4.7
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	6 230	14	162	705	1 977	1 924	948	386	114	4.6
2 or more	1 261	—	—	37	69	249	450	272	184	6.1
None or also used by another household	1 279	60	303	340	323	198	40	8	7	3.3
<b>VALUE-INCOME RATIO</b>										
<b>Specified owner occupied<sup>1</sup></b>	<b>8 280</b>	<b>74</b>	<b>446</b>	<b>999</b>	<b>2 259</b>	<b>2 218</b>	<b>1 363</b>	<b>632</b>	<b>289</b>	<b>4.7</b>
Less than 1.5	3 347	10	145	401	943	866	564	288	130	4.7
1.5 to 1.9	1 297	20	68	110	290	452	245	62	50	4.9
2.0 to 2.9	1 351	16	59	136	392	364	210	140	34	4.7
3.0 or more	2 020	21	137	301	565	476	317	137	66	4.5
Not computed	265	7	37	51	69	60	27	5	9	4.0
<b>Renter occupied housing units</b>	<b>5 149</b>	<b>134</b>	<b>878</b>	<b>1 477</b>	<b>1 390</b>	<b>784</b>	<b>330</b>	<b>104</b>	<b>52</b>	<b>3.6</b>
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	3 621	34	267	971	1 153	715	325	104	52	4.0
<b>PERSONS</b>										
1 person	668	54	216	196	111	39	22	14	16	2.8
2 persons	940	28	211	292	302	53	39	8	7	3.3
3 persons	843	11	148	310	184	111	49	21	9	3.3
4 persons	738	19	65	221	262	102	43	26	—	3.7
5 persons	674	15	73	151	206	143	76	10	—	4.0
6 persons or more	1 286	7	165	307	325	336	101	25	20	4.0
Median	3.7	2.0	2.6	3.3	3.9	5.1	4.7	3.8	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>										
<b>With all plumbing facilities</b>	<b>3 810</b>	<b>46</b>	<b>302</b>	<b>1 087</b>	<b>1 179</b>	<b>715</b>	<b>325</b>	<b>104</b>	<b>52</b>	<b>3.9</b>
0.50 or less	865	—	91	137	382	75	105	43	32	4.0
0.51 to 1.00	1 549	12	75	487	409	328	161	61	16	4.0
1.01 to 1.50	672	—	67	159	200	206	36	—	4	4.1
1.51 or more	724	34	69	304	188	106	23	—	—	3.4
<b>Lacking some or all plumbing facilities</b>	<b>1 339</b>	<b>88</b>	<b>576</b>	<b>390</b>	<b>211</b>	<b>69</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>2.5</b>
0.50 or less	237	—	125	59	31	17	5	—	—	2.4
0.51 to 1.00	358	42	136	115	37	28	—	—	—	2.5
1.01 to 1.50	216	—	81	62	63	10	—	—	—	2.9
1.51 or more	528	46	234	154	80	14	—	—	—	2.4
<b>YEAR STRUCTURE BUILT</b>										
1969 to March 1970	99	—	15	20	35	14	15	—	—	...
1960 to 1968	574	12	80	104	240	77	31	14	16	3.9
1950 to 1959	964	16	119	264	306	197	30	32	—	3.8
1949 or earlier	3 512	106	664	1 089	809	496	254	58	36	3.4
<b>COMPLETE BATHROOMS</b>										
1 and 1 1/2	3 437	34	283	972	1 139	694	244	67	4	3.9
2 or more	235	6	—	23	19	21	81	37	48	6.1
None or also used by another household	1 477	94	595	482	232	69	5	—	—	2.6
<b>GROSS RENT AS PERCENTAGE OF INCOME</b>										
<b>Specified renter occupied<sup>2</sup></b>	<b>5 141</b>	<b>134</b>	<b>878</b>	<b>1 469</b>	<b>1 390</b>	<b>784</b>	<b>330</b>	<b>104</b>	<b>52</b>	<b>3.6</b>
Less than 10 percent	586	—	106	146	167	106	46	8	7	3.7
10 to 14 percent	966	58	197	281	225	133	61	11	—	3.3
15 to 19 percent	710	7	105	176	212	168	35	7	—	3.8
20 to 24 percent	625	10	44	217	189	120	40	5	—	3.7
25 to 34 percent	689	—	84	262	230	84	22	—	7	3.5
35 percent or more	826	12	207	209	226	81	43	35	13	3.4
Not computed	739	47	135	178	141	92	83	38	25	3.6

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

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







## 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.



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

<b>GENERAL</b> .....	App-2	<b>Gross rent</b> .....	App-8
Self-enumeration and census questionnaire .....	App-2	<b>Rent asked</b> .....	App-8
Comparability with 1960 data ..	App-2	<b>Value-income ratio</b> .....	App-8
<b>LIVING QUARTERS</b> .....	App-3	<b>Gross rent as percentage of income</b> .....	App-8
Housing units .....	App-3	<b>HOUSEHOLD CHARACTERISTICS</b> .....	App-8
Group quarters .....	App-3	Head of household .....	App-8
Rules for mobile homes, hotels, rooming houses, etc. ....	App-3	Household composition .....	App-8
Institutions .....	App-4	Nonrelative .....	App-9
<b>OCCUPANCY AND VACANCY CHARACTERISTICS</b> .....	App-4	Family or primary individual ...	App-9
Occupied housing units .....	App-4	Income in 1969 .....	App-9
Race .....	App-4	<b>FACSIMILES</b> .....	App-10
Spanish heritage .....	App-4	Housing Pages in the 1970 Census Questionnaires .....	App-10
Tenure .....	App-4	Respondent Instructions for the Housing Questions in the 1970 Census .....	App-13
Year moved into unit .....	App-4	<b>GENERAL</b>	
Vacant housing units .....	App-4	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.	
Vacancy status .....	App-5		
Duration of vacancy .....	App-5		
<b>UTILIZATION CHARACTERISTICS</b> .....	App-5		
Persons .....	App-5		
Rooms .....	App-5		
Persons per room .....	App-5		
Bedrooms .....	App-5		
<b>STRUCTURAL AND PLUMBING CHARACTERISTICS</b> .....	App-5		
Direct access .....	App-5		
Complete kitchen facilities .....	App-5		
Year structure built .....	App-6		
Units in structure .....	App-6		
Elevator in structure .....	App-6		
Plumbing facilities .....	App-6		
Complete bathrooms .....	App-6		
<b>EQUIPMENT, FUELS, AND APPLIANCES</b> .....	App-6		
Heating equipment .....	App-6		
Air conditioning .....	App-7		
Automobiles available .....	App-7		
Automatic clothes washing machine .....	App-7		
Clothes dryer .....	App-7		
Dishwasher .....	App-7		
Home food freezer .....	App-7		
Owned second home .....	App-7		
<b>FINANCIAL CHARACTERISTICS</b> .....	App-7		
Value .....	App-7		
Sales price asked .....	App-7		

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

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

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

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

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

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

### LIVING QUARTERS

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

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

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

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

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

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

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

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

criteria; other living quarters are considered group quarters.

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

#### OCCUPANCY AND VACANCY CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### UTILIZATION CHARACTERISTICS

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

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

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

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

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

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

#### STRUCTURAL AND PLUMBING CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### EQUIPMENT, FUELS, AND APPLIANCES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### FINANCIAL CHARACTERISTICS

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

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

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

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

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

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

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

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

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

## HOUSEHOLD CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



APPENDIX B—Continued

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

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

APPENDIX B—Continued

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

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

15 and 5 percent

15 percent

APPENDIX B—Continued

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

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

15 and 5 percent

5 percent

## APPENDIX B—Continued

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

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

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

## Appendix C.—ACCURACY OF THE DATA

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

### SOURCES OF ERROR

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

### EDITING OF UNACCEPTABLE DATA

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

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

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

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

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

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

### SAMPLE DESIGN

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

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

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

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

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

TABLE A. Sample Rate for Subjects Included in This Report

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

**RATIO ESTIMATION**

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

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

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

Group

**Occupied housing units:**

STAGE I

*Male Head With Own Children Under 18*

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

.  
.

- 6 6-or-more-person household

*Male Head Without Own Children Under 18*

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

*Female Head*

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

STAGE II

*Owner Occupied*

- 19 Negro
- 20 Not Negro

*Renter Occupied*

- 21 Negro
- 22 Not Negro

**Vacant housing units:**

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

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

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

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

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

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

**SAMPLING VARIABILITY**

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

TABLE D. Factor to be Applied to Standard Errors

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

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

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

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

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

### Housing Census Reports

#### Volume I. HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

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

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

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

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

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

#### Volume II. METROPOLITAN HOUSING CHARACTERISTICS

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

#### Volume III. BLOCK STATISTICS

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

#### Volume IV. COMPONENTS OF INVENTORY CHANGE

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

#### Volume V. RESIDENTIAL FINANCE

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

#### Volume VI. ESTIMATES OF "SUBSTANDARD" HOUSING

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

#### Volume VII. SUBJECT REPORTS

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

### Population Census Reports

#### Volume I. CHARACTERISTICS OF THE POPULATION

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

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

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

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

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

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

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

■ Series PC(1)-D.

**DETAILED CHARACTERISTICS**

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

**Volume II.**

**SUBJECT REPORTS**

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

**Joint Population-Housing Reports**

Series PHC(1).

**CENSUS TRACT REPORTS**

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

Series PHC(2).

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

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

Series PHC(3).

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

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

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

**Additional Reports**

Series PHC(E).

**EVALUATION REPORTS**

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

Series PHC(R).

**PROCEDURAL REPORTS**

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

**Computer Summary Tapes**

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

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

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

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

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

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

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

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

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

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

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

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF COMMERCE  
202



OFFICIAL BUSINESS

---

Table

---

1, 11, 19 VALUE

---

2, 12, 20 GROSS RENT

---

3, 13, 21 INCOME IN 1969

---

4, 14, 22 PLUMBING FACILITIES  
BY PERSONS PER ROOM

---

5, 15, 23 ROOMS

---

6, 16, 24 UNITS IN STRUCTURE

---

7, 17, 25 HOUSEHOLD COMPOSITION

---

8, 18, 26 PERSONS

---

9 DURATION OF VACANCY

---

10 SALES PRICE ASKED  
AND RENT ASKED

---