

A UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION



Metropolitan Housing Characteristics

SPRINGFIELD, MO.
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-209

A stylized graphic illustration of a city skyline and residential housing. The skyline on the left consists of various rectangular buildings of different heights. Below and to the right, there is a cluster of diverse house shapes, including single-story bungalows, two-story houses with gables, and larger multi-story structures. The entire graphic is rendered in white against a dark, textured background.

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 Wakeberg, 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. Anderson, 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. Caterton 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)-209
Springfield, Mo. 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

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

¹Vacant units tabulated by plumbing facilities only.

INTRODUCTION

APPENDIXES

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

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
Springfield, Mo.
 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 209.]

page

MAP

Counties, Standard Metropolitan
 Statistical Areas, and Selected Places X1

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	—	—
Springfield	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

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

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

The SMSA

	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied¹	28 837	1 761	3 171	3 522	3 830	3 356	6 184	3 273	2 552	784	404	14 100
ROOMS												
1 and 2 rooms	174	92	24	17	14	8	14	--	5	--	--	5 000 --
3 rooms	736	310	255	82	42	15	32	--	--	--	--	5 600
4 rooms	5 956	845	1 515	1 375	1 136	582	357	81	53	12	--	8 600
5 rooms	10 680	361	914	1 387	1 803	1 733	3 103	990	331	37	21	13 800
6 rooms	6 738	96	360	487	608	751	1 970	1 459	846	122	39	17 700
7 rooms	2 807	44	74	119	170	209	489	487	846	297	72	23 100
8 rooms or more	1 746	13	29	55	57	58	219	256	471	316	272	28 900
Median	5.2	4.1	4.4	4.7	4.9	5.1	5.4	5.9	6.5	7.2	7.5 +	...
PERSONS												
1 person	4 297	588	902	729	623	457	588	265	103	27	15	9 800
2 persons	9 590	541	1 083	1 404	1 437	1 147	1 898	996	784	216	84	13 200
3 persons	4 965	216	472	563	585	581	1 117	665	565	143	58	15 300
4 persons	3 299	182	339	391	598	669	1 453	756	557	243	111	16 600
5 persons	2 749	101	143	213	384	326	733	349	339	86	75	16 400
6 persons or more	1 937	133	232	222	203	176	395	242	204	69	61	15 000
Median	2.6	2.0	2.1	2.2	2.4	2.6	3.0	3.1	3.2	3.5	3.9	...
Units with roomers, boarders, or lodgers	336	24	47	47	47	27	78	19	15	22	10	12 800
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	28 187	1 346	3 021	3 471	3 811	3 356	6 169	3 273	2 552	784	404	14 300
0.50 or less	15 985	840	1 912	2 170	2 171	1 810	3 071	1 735	1 473	536	267	13 700
0.51 to 1.00	10 887	359	832	1 077	1 438	1 412	2 861	1 470	1 060	241	137	15 500
1.01 to 1.50	1 094	112	184	181	181	104	210	68	--	--	--	10 400
1.51 or more	221	35	56	40	21	30	27	5	7	--	--	8 700
Lacking some or all plumbing facilities	650	415	150	51	19	15	15	15	15	15	15	5 000 --
0.50 or less	330	220	62	27	15	--	6	--	--	--	--	5 000 --
0.51 to 1.00	185	110	52	14	--	--	9	--	--	--	--	5 000 --
1.01 to 1.50	87	41	36	10	--	--	--	--	--	--	--	...
1.51 or more	48	44	--	--	4	--	--	--	--	--	--	...
BEDROOMS												
None and 1	1 578	611	449	286	141	32	59	--	--	--	--	6 000
2	11 308	944	2 134	2 420	2 402	1 320	1 507	335	229	17	--	10 200
3	13 808	255	540	734	1 445	1 607	4 345	2 448	1 937	382	115	17 700
4 or more	2 601	107	63	154	108	175	473	433	658	237	193	22 500
YEAR STRUCTURE BUILT												
1969 to March 1970	975	5	--	--	45	73	246	232	227	106	41	22 600
1965 to 1968	3 527	19	40	53	90	288	1 088	872	732	238	107	21 100
1960 to 1964	4 515	36	65	251	454	520	1 445	877	649	145	73	18 200
1950 to 1959	6 874	164	370	621	1 133	1 060	1 863	773	602	176	107	15 200
1940 to 1949	3 175	248	552	547	546	570	424	123	92	43	30	11 100
1939 or earlier	9 771	1 289	2 144	2 050	1 562	845	1 118	396	245	76	46	9 300
COMPLETE BATHROOMS												
1 and 1 1/2	21 232	1 284	2 903	3 326	3 493	3 157	4 841	1 523	595	92	18	12 200
2 and 2 1/2	6 018	--	51	94	150	283	1 244	1 744	1 738	554	160	23 400
3 or more	608	--	--	--	14	29	23	23	119	185	238	44 600
None or also used by another household	830	444	222	95	13	15	20	13	--	8	--	5 000 --
HOUSEHOLD COMPOSITION												
Two-or-more-person households	24 540	1 173	2 269	2 793	3 207	2 899	5 596	3 008	2 449	757	389	14 900
Male head, wife present, no nonrelatives	21 641	916	1 853	2 374	2 768	2 541	5 095	2 744	2 304	692	354	15 300
Under 25 years	593	63	92	81	88	71	137	61	--	--	--	11 700
25 to 34 years	3 903	108	254	350	512	517	1 159	551	358	67	27	16 000
35 to 44 years	4 769	113	268	386	463	546	1 248	763	618	221	143	17 300
45 to 64 years	8 854	401	742	966	1 096	1 047	1 919	1 084	1 104	336	159	15 400
65 years and over	3 522	231	497	591	609	360	632	285	224	68	25	11 800
Other male head	748	61	105	103	98	95	133	70	37	30	16	12 700
Under 65 years	565	48	61	56	74	74	118	60	37	25	10	13 900
65 years and over	183	13	44	47	22	21	15	10	5	5	6	9 300
Female head	2 151	196	311	316	341	263	368	194	108	35	19	11 900
Under 65 years	1 501	106	173	196	282	189	265	148	98	25	19	12 400
65 years and over	650	90	138	120	59	74	103	46	10	10	10	9 500
One-person households	4 297	588	902	729	623	457	588	265	103	27	15	9 800
Under 65 years	1 579	187	277	246	178	187	296	128	68	8	4	11 100
65 years and over	2 718	401	625	483	445	270	292	137	35	19	11	9 200
INCOME IN 1969												
Less than \$2,000	3 264	578	822	503	479	274	396	151	53	4	4	8 700
\$2,000 to \$2,999	1 804	337	338	322	294	175	196	94	38	10	--	9 300
\$3,000 to \$3,999	1 738	175	405	355	285	179	227	67	45	--	--	9 500
\$4,000 to \$4,999	1 552	137	321	320	213	164	226	102	43	16	10	10 000
\$5,000 to \$5,999	1 705	106	262	245	350	259	279	113	51	15	11	11 600
\$6,000 to \$6,999	1 760	85	253	331	311	246	327	99	68	29	15	13 900
\$7,000 to \$9,999	6 225	204	494	861	1 020	955	1 697	599	310	70	37	17 300
\$10,000 to \$14,999	6 507	96	232	482	693	864	1 905	1 227	850	121	103	22 000
\$15,000 to \$24,999	3 340	34	44	76	169	231	834	709	851	289	219	34 100
\$25,000 or more	942	9	--	7	16	9	97	112	243	230	219	...
Median	\$8 300	\$2 900	\$4 100	\$6 000	\$6 900	\$8 200	\$9 500	\$11 700	\$13 900	\$19 400	\$27 600	...
YEAR MOVED INTO UNIT												
1969 to March 1970	3 864	124	298	338	406	449	936	531	514	187	81	16 600
1968	2 537	91	186	197	304	268	598	397	345	112	39	16 800
1967	1 996	151	201	109	248	256	438	300	156	97	40	15 300
1965 and 1966	3 543	99	271	367	419	367	1 001	330	330	156	54	16 400
1960 to 1964	5 882	301	533	678	702	768	1 446	687	565	131	71	14 900
1950 to 1959	6 124	420	752	807	885	770	1 222	624	457	95	92	13 100
1949 or earlier	4 742	542	935	1 051	758	525	493	253	85	61	39	9 600
HEATING EQUIPMENT												
Steam or hot water	768	5	10	30	87	113	159	135	90	92	47	19 500
Warm-air furnace	19 067	153	573	1 293	2 330	2 715	5 602	3 013	2 361	685	342	17 000
Built-in electric units	160	10	4	5	10	19	29	23	45	--	--	20 700
Floor, wall, or pipeless furnace	4 149	254	881	1 300	1 050	369	216	45	34	--	--	9 300
Other means	4 693	1 339	1 703	894	353	140	178	57	22	7	--	6 500
None	--	--	--	--	--	--	--	--	--	--	--	--
AIR CONDITIONING												
Room unit(s)	8 718	98	556	922	1 358	1 537	2 587	1 060	435	120	45	14 800
Central system	5 123	13	46	87	140	294	941	1 158	1 467	618	359	24 500
None	14 847	1 617	2 574	2 506	2 172	1 624	2 606	1 085	550	101	12	10 800

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

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

The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied¹	15 323	1 232	1 116	1 650	1 574	3 229	2 213	2 125	1 221	276	26	661	90
ROOMS													
1 room	410	193	35	95	14	43	6	5	4	—	—	15	31
2 rooms	1 478	416	302	274	204	125	52	69	6	—	—	30	60
3 rooms	3 788	395	433	575	476	832	345	451	159	14	—	88	79
4 rooms	5 132	159	243	498	535	1 285	940	770	358	105	10	229	95
5 rooms	2 871	46	103	151	245	712	546	514	380	40	5	129	104
6 rooms	1 173	16	—	38	57	157	249	243	243	63	5	102	122
7 rooms	331	7	—	14	23	54	64	44	47	29	6	50	115
8 rooms or more	140	—	—	5	—	21	11	29	24	25	—	18	138
Median	3.9	2.5	3.0	3.3	3.6	4.0	4.2	4.2	4.7	5.0	...	4.4	...
PERSONS													
1 person	4 277	864	577	698	423	535	373	411	133	34	5	224	68
2 persons	4 623	175	252	519	555	1 091	669	724	318	93	5	222	92
3 persons	2 810	85	138	213	292	733	468	477	276	29	5	93	97
4 persons	1 829	51	57	104	168	503	343	249	250	50	6	48	100
5 persons	932	12	48	50	30	186	195	167	161	37	5	41	112
6 persons or more	852	44	44	66	106	181	165	97	83	33	—	33	96
Median	2.2	1.2	1.5	1.7	2.2	2.5	2.6	2.4	3.1	2.9	...	2.0	...
Units with roomers, boarders, or lodgers	590	4	43	39	64	95	74	116	129	22	—	4	113
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	14 339	737	923	1 567	1 513	3 199	2 193	2 104	1 212	276	26	589	93
0.50 or less	6 644	495	529	827	703	1 210	897	1 005	445	130	10	393	86
0.51 to 1.00	6 591	197	603	631	631	1 679	1 147	1 008	715	131	16	157	97
1.01 to 1.50	789	30	62	51	122	236	118	74	52	15	—	29	89
1.51 or more	315	15	25	86	57	74	31	17	—	—	—	10	75
Lacking some or all plumbing facilities	984	495	193	83	61	30	20	21	9	—	—	72	50-
0.50 or less	444	237	89	31	22	—	11	5	—	—	—	49	50-
0.51 to 1.00	434	204	78	47	30	30	9	16	4	—	—	16	51
1.01 to 1.50	47	16	5	9	—	—	—	—	5	—	—	3	...
1.51 or more	59	38	17	—	—	—	—	—	—	—	—	4	...
BEDROOMS													
None	654	202	37	194	40	101	—	44	—	—	—	—	36
1	5 921	686	620	935	927	1 214	550	576	201	25	—	187	77
2	6 347	215	140	503	803	1 405	1 487	805	557	137	—	295	99
3 or more	2 353	—	50	164	102	305	368	515	543	104	21	181	126
YEAR STRUCTURE BUILT													
1969 to March 1970	822	21	11	21	11	47	91	308	282	14	—	16	146
1965 to 1968	1 238	16	14	44	47	109	194	399	242	115	11	47	133
1960 to 1964	1 758	16	28	60	137	259	478	326	327	56	5	66	121
1950 to 1959	2 158	40	66	128	145	527	541	386	153	44	—	128	104
1940 to 1949	1 870	82	112	207	215	566	285	205	82	6	—	110	88
1939 or earlier	7 477	1 057	885	1 190	1 019	1 721	776	349	135	41	10	294	75
ELEVATOR IN STRUCTURE													
4 floors or more	99	—	—	—	—	24	—	—	75	—	—	—	...
With elevator	75	—	—	—	—	—	—	—	75	—	—	—	...
Walk-up	24	—	—	—	—	24	—	—	—	—	—	—	...
1 to 3 floors	15 176	1 103	847	1 796	1 872	3 001	2 405	1 940	1 226	266	21	699	90
COMPLETE BATHROOMS													
1 and 1/2	13 715	739	959	1 473	1 381	3 185	2 101	2 066	1 101	141	12	557	92
2 or more	522	23	8	27	—	88	12	74	94	137	13	46	153
None or also used by another household	1 109	506	248	86	74	47	29	33	7	—	—	79	50
INCOME IN 1969													
Less than \$2,000	3 157	707	436	508	262	372	224	293	141	20	5	189	67
\$2,000 to \$2,999	1 473	158	152	196	254	316	132	136	53	9	5	62	78
\$3,000 to \$3,999	1 580	119	144	236	241	315	153	177	81	14	—	100	80
\$4,000 to \$4,999	1 235	59	105	134	179	347	216	90	59	9	—	37	86
\$5,000 to \$5,999	1 430	46	87	174	208	407	320	171	56	20	—	41	88
\$6,000 to \$6,999	1 339	22	41	113	158	336	320	164	91	34	5	45	98
\$7,000 to \$9,999	2 749	57	112	173	172	701	601	522	277	45	—	89	104
\$10,000 to \$14,999	1 768	34	33	105	75	360	296	437	292	47	5	84	116
\$15,000 to \$24,999	474	14	6	5	14	59	51	116	140	64	—	5	142
\$25,000 or more	118	6	—	6	11	16	—	19	31	14	6	9	144
Median	\$5 200	\$2 000-	\$2 800	\$3 500	\$4 200	\$5 600	\$6 500	\$7 200	\$8 400	\$9 100	...	\$3 800	...
YEAR MOVED INTO UNIT													
1969 to March 1970	8 498	595	522	707	829	1 510	1 356	1 481	923	155	6	174	97
1968	2 141	145	122	238	230	510	289	321	131	62	—	113	92
1967	1 253	78	100	133	122	352	159	110	70	27	—	102	87
1965 and 1966	1 321	126	142	175	80	340	151	180	29	28	6	64	86
1960 to 1964	1 175	158	208	151	124	244	117	74	29	6	—	64	73
1950 to 1959	620	113	65	135	47	97	43	7	14	—	6	93	66
1949 or earlier	318	53	56	47	23	27	—	—	6	—	7	72	63
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	1 101	192	162	181	110	242	72	96	36	4	6	...	71
10 to 14 percent	2 612	148	159	308	282	787	385	315	194	34	—	...	90
15 to 19 percent	2 675	151	132	217	294	600	555	475	206	45	—	...	98
20 to 24 percent	2 066	113	126	198	237	465	402	276	218	31	—	...	96
25 to 34 percent	2 029	240	155	159	214	444	298	282	191	41	5	...	89
35 percent or more	3 923	333	346	555	408	663	486	649	351	117	15	...	88
if computed	917	55	36	32	29	28	15	32	25	4	—	661	72
R CONDITIONING													
Room unit(s)	2 967	76	172	157	191	674	627	512	288	42	—	228	103
Central system	1 994	48	8	28	32	120	205	827	512	132	13	69	139
None	10 385	1 144	1 035	1 401	1 232	2 526	1 310	834	402	104	12	385	81

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

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

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

The SMSA	Total	Less than	\$2,000	\$3,000	\$4,000	\$5,000	\$6,000	\$7,000	\$10,000	\$15,000	\$25,000	Median (dollars)
		\$2,000	to \$2,999	to \$3,999	to \$4,999	to \$5,999	to \$6,999	to \$9,999	to \$14,999	to \$24,999	or more	
Owner occupied housing units	35 051	4 226	2 344	2 233	2 045	2 100	2 245	7 469	7 608	3 723	1 058	7 900
ROOMS												
1 and 2 rooms	341	142	48	32	14	18	9	39	21	18	-	2 600
3 rooms	1 452	532	174	136	111	99	88	195	89	24	4	3 100
4 rooms	8 103	1 453	921	785	679	692	779	1 613	975	185	21	5 300
5 rooms	12 339	1 293	749	837	764	779	792	3 152	2 850	1 023	101	7 900
6 rooms	7 623	595	341	301	308	369	371	1 697	2 261	1 129	251	9 700
7 rooms or more	5 193	211	112	142	169	143	206	773	1 412	1 344	681	13 000
PERSONS												
1 person	5 484	2 732	820	622	360	244	240	263	117	66	20	2 000
2 persons	11 923	1 092	1 114	1 176	1 010	904	822	2 308	2 160	1 028	309	6 800
3 and 4 persons	12 138	284	315	325	474	696	849	3 408	3 593	1 716	478	9 800
5 persons	3 195	69	46	50	106	174	174	896	1 035	514	131	10 400
6 persons or more	2 311	49	49	60	95	82	160	594	703	399	120	10 500
Units with roomers, boarders, or lodgers	452	93	65	25	33	30	38	66	72	20	10	5 300
BEDROOMS												
Less than 3	16 522	3 121	1 861	1 611	1 249	1 095	1 271	3 576	1 977	659	102	5 400
3	15 331	595	583	502	741	794	475	3 904	4 834	2 402	501	10 100
4 or more	3 112	167	60	70	64	137	152	461	750	916	335	13 000
YEAR STRUCTURE BUILT												
1969 to March 1970	1 430	42	34	60	38	67	85	405	400	212	87	9 900
1960 to 1968	9 837	423	339	311	394	443	530	2 453	2 923	1 647	374	10 000
1950 to 1959	7 507	608	316	356	340	495	460	1 729	1 936	961	306	9 000
1949 or earlier	16 277	3 153	1 655	1 506	1 273	1 095	1 170	2 882	2 349	903	291	5 500
YEAR MOVED INTO UNIT												
1969 to March 1970	4 931	204	282	198	248	322	417	1 286	1 189	578	207	8 900
1968	3 054	169	126	111	209	152	263	752	718	444	110	9 000
1960 to 1967	13 400	1 171	650	746	696	802	885	3 112	3 305	1 618	415	8 700
1959 or earlier	13 666	2 824	1 183	1 204	881	845	811	2 145	2 370	1 045	358	5 900
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	24 788	1 490	1 137	1 031	1 092	1 432	1 408	6 093	6 643	3 564	898	9 400
Clothes dryer	16 065	559	510	338	391	849	758	3 795	5 034	2 971	860	10 800
Dishwasher	7 648	223	134	95	185	169	205	1 266	2 622	2 053	696	13 000
Home food freezer	13 860	900	742	521	797	717	624	3 385	3 582	2 095	497	9 300
Owned second home	2 063	80	122	43	137	132	100	339	585	444	81	10 700
With air conditioning	16 063	960	717	664	731	835	922	3 129	4 525	2 653	927	10 100
Room unit(s)	10 319	816	608	514	531	606	686	2 329	2 907	1 115	207	8 800
Central system	5 744	144	109	150	200	229	236	800	1 618	1 538	720	13 100
Automobiles available:												
1	16 490	1 913	1 505	1 527	1 401	1 340	1 449	3 519	2 790	835	211	6 400
2	12 896	262	151	249	438	799	3 386	4 177	2 184	2 177	612	10 600
3 or more	1 887	19	-	11	31	40	63	243	582	640	258	14 600
Renter occupied housing units	16 102	3 232	1 531	1 644	1 283	1 528	1 399	3 017	1 871	479	118	5 200
ROOMS												
1 room	418	183	57	37	32	32	11	37	29	-	-	2 500
2 rooms	1 503	642	179	246	118	89	70	107	35	-	17	2 600
3 rooms	3 819	1 157	514	483	365	338	258	374	220	98	12	3 500
4 rooms	5 408	816	516	526	410	652	509	1 148	641	148	42	5 700
5 rooms	3 096	284	230	198	269	292	365	858	502	84	14	6 800
6 rooms or more	1 858	150	35	154	89	125	186	493	444	149	33	8 200
PERSONS												
1 person	4 333	1 986	578	463	300	280	184	369	109	49	15	2 300
2 persons	4 827	672	567	604	412	421	430	849	635	181	56	5 400
3 and 4 persons	4 921	474	285	410	394	641	554	1 205	781	149	28	6 500
5 persons	1 018	66	53	42	107	115	109	283	182	46	15	7 200
6 persons or more	1 003	34	48	125	70	71	122	311	164	54	4	7 300
Units with roomers, boarders, or lodgers	601	325	65	77	50	14	20	32	13	-	5	2000-
BEDROOMS												
None	654	260	59	74	63	66	19	92	21	-	-	3 100
1	5 979	1 768	871	849	630	510	285	493	486	67	20	3 400
2	6 771	851	604	578	585	805	731	1 479	897	206	35	6 000
3 or more	2 723	175	189	274	153	118	288	699	579	162	86	7 700
YEAR STRUCTURE BUILT												
1969 to March 1970	837	180	44	39	49	85	105	126	139	51	19	6 200
1960 to 1968	3 041	344	210	285	226	218	310	610	502	223	53	6 600
1950 to 1959	2 221	268	154	201	144	231	201	584	356	64	18	6 600
1949 or earlier	10 003	2 440	1 063	1 119	864	994	783	1 697	874	141	28	4 400
YEAR MOVED INTO UNIT												
1969 to March 1970	8 772	1 788	884	993	693	851	771	1 504	979	273	36	5 000
1968	2 298	317	130	226	184	219	248	558	305	70	41	6 300
1960 to 1967	3 991	834	290	327	324	391	328	882	454	135	26	5 600
1959 or earlier	1 041	358	165	54	39	89	86	152	67	24	7	3 000
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹	15 323	3 157	1 473	1 580	1 235	1 430	1 339	2 749	1 768	474	118	5 200
Less than 15 percent	3 713	15	19	58	101	225	327	1 192	1 244	423	109	9 800
15 to 19 percent	2 675	28	62	135	236	452	455	910	359	38	-	6 900
20 to 24 percent	2 066	62	102	370	355	391	422	65	8	-	-	5 400
25 to 34 percent	2 029	268	354	477	352	259	182	121	16	-	-	3 800
35 percent or more	3 923	2 339	874	440	154	62	39	15	-	-	-	2000-
Not computed	917	445	62	100	37	41	45	89	84	5	9	2 200
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	5 712	330	433	497	344	551	679	1 453	1 095	244	86	7 000
Clothes dryer	2 841	112	143	135	206	195	322	850	710	125	43	8 100
Dishwasher	1 026	119	34	62	40	109	152	85	220	127	78	7 000
Home food freezer	1 993	144	193	122	145	166	183	545	412	61	22	7 200
Owned second home	504	119	19	19	-	18	97	76	81	55	20	6 800
With air conditioning	5 091	638	360	419	363	426	492	1 214	800	316	63	6 700
Room unit(s)	3 073	337	210	245	339	315	339	779	483	107	20	6 500
Central system	2 018	301	150	181	118	87	177	435	317	209	43	7 000
Automobiles available:												
1	8 941	1 198	826	1 012	893	1 126	1 046	1 910	733	156	41	5 500
2	3 464	242	130	186	222	271	222	952	889	300	56	8 500
3 or more	453	62	34	19	6	38	25	103	120	40	6	8 200

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

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

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

The SMSA	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
Owner occupied housing units -----	35 051	34 041	19 247	13 175	1 338	281	1 010	525	290	127	68
PERSONS											
1 person-----	5 484	5 152	5 120	32	-	-	332	312	20	-	-
2 persons-----	11 923	11 642	11 153	464	-	25	281	209	68	-	4
3 persons-----	6 058	5 905	2 374	3 519	4	8	153	4	132	5	12
4 persons-----	6 080	6 004	479	5 445	64	16	76	-	55	21	-
5 persons-----	3 195	3 140	121	2 709	282	28	55	-	10	25	20
6 persons or more-----	2 311	2 198	-	1 006	988	204	113	-	5	76	32
Median-----	2.5	2.5	1.9	4.0	6.0	7.4	2.1	1.3	2.9	5.8	...
Units with roomers, boarders, or lodgers-----	452	434	179	210	45	-	18	-	9	4	5
YEAR STRUCTURE BUILT											
1969 to March 1970-----	1 389	1 377	597	708	48	24	12	-	12	-	-
1965 to 1968-----	4 565	4 552	1 963	2 401	159	29	13	-	6	7	-
1960 to 1964-----	5 231	5 202	2 201	2 755	198	48	29	6	18	5	-
1950 to 1959-----	7 441	7 347	4 009	2 999	307	32	94	32	36	26	-
1940 to 1949-----	3 691	3 560	2 208	1 153	167	32	131	56	38	30	7
1939 or earlier-----	12 734	12 005	8 238	3 196	438	133	729	418	191	63	57
INCOME IN 1969											
Less than \$2,000-----	4 226	3 832	3 462	328	20	22	394	324	54	6	10
\$2,000 to \$2,999-----	2 344	2 176	1 797	326	44	9	168	74	71	18	5
\$3,000 to \$3,999-----	2 233	2 153	1 748	325	72	8	80	35	29	11	5
\$4,000 to \$4,999-----	2 045	1 973	1 373	496	91	13	72	35	8	19	10
\$5,000 to \$5,999-----	2 100	2 027	1 165	768	83	11	73	14	14	21	24
\$6,000 to \$6,999-----	2 245	2 184	1 116	922	113	33	61	20	34	3	4
\$7,000 to \$9,999-----	7 469	7 359	3 003	3 825	436	95	110	23	39	38	10
\$10,000 to \$14,999-----	7 608	7 577	3 137	4 060	321	59	31	-	27	4	-
\$15,000 to \$24,999-----	3 723	3 702	1 794	1 751	134	23	21	-	14	7	-
\$25,000 or more-----	1 058	1 058	652	374	24	8	-	-	-	-	-
Median-----	\$7 900	\$8 100	\$6 100	\$9 700	\$8 700	\$8 400	\$2 700	\$2000-	\$3 700	\$5 500	...
VALUE-INCOME RATIO											
Specified owner occupied ¹ -----	28 837	28 187	15 985	10 887	1 094	221	650	330	185	87	44
Less than 1.5-----	10 155	9 904	4 385	4 731	671	117	251	55	110	53	33
1.5 to 1.9-----	5 685	5 562	2 602	2 725	185	50	123	53	36	24	10
2.0 to 2.4-----	3 904	3 843	2 106	1 594	133	10	61	50	11	-	-
2.5 to 2.9-----	2 246	2 210	1 376	799	32	3	36	23	9	4	-
3.0 to 3.9-----	2 211	2 163	1 608	504	40	11	48	48	-	-	-
4.0 or more-----	4 456	4 329	3 763	513	28	25	127	97	19	6	5
Not computed-----	180	176	145	21	5	5	4	4	-	-	-
HEATING EQUIPMENT											
Steam or hot water-----	967	962	655	280	23	4	5	5	-	-	-
Warm-air furnace-----	22 282	22 228	12 027	9 442	679	80	54	24	21	9	-
Built-in electric units-----	273	273	111	135	15	12	-	-	-	-	-
Floor, wall, or pipeless furnace-----	5 200	5 105	3 088	1 674	269	74	95	58	31	6	-
Other means-----	6 329	5 473	3 366	1 644	352	111	856	438	238	112	68
None-----	-	-	-	-	-	-	-	-	-	-	-
Renter occupied housing units -----	16 102	14 943	6 872	6 860	867	344	1 159	500	500	69	90
PERSONS											
1 person-----	4 333	3 756	3 621	135	-	-	577	412	165	-	-
2 persons-----	4 827	4 601	2 842	1 680	-	79	226	88	124	-	24
3 persons-----	2 953	2 806	358	2 343	105	-	147	-	124	19	4
4 persons-----	1 968	1 894	41	1 715	92	46	74	-	65	5	4
5 persons-----	1 018	988	10	716	226	36	30	-	13	17	-
6 persons or more-----	1 003	898	-	271	444	183	105	-	9	28	68
Median-----	2.3	2.3	1.4	3.2	5.5	6.2	1.5	1.1	2.2	...	...
Units with roomers, boarders, or lodgers-----	601	580	163	378	21	18	21	-	17	-	4
YEAR STRUCTURE BUILT											
1969 to March 1970-----	815	802	395	396	11	-	13	6	7	-	-
1965 to 1968-----	1 271	1 252	568	619	58	7	19	-	13	-	6
1960 to 1964-----	1 832	1 809	719	964	87	39	23	6	17	-	-
1950 to 1959-----	2 237	2 198	903	1 151	98	46	39	15	13	-	11
1940 to 1949-----	1 916	1 776	807	852	72	45	140	68	50	22	-
1939 or earlier-----	8 031	7 109	3 499	2 888	502	220	922	424	379	44	75
INCOME IN 1969											
Less than \$2,000-----	3 232	2 701	1 870	742	65	24	531	308	205	-	18
\$2,000 to \$2,999-----	1 531	1 360	765	509	39	47	171	88	64	9	10
\$3,000 to \$3,999-----	1 644	1 519	770	602	82	65	125	34	57	8	26
\$4,000 to \$4,999-----	1 283	1 185	462	611	70	42	98	23	41	16	18
\$5,000 to \$5,999-----	1 528	1 467	519	799	130	19	61	6	45	10	-
\$6,000 to \$6,999-----	1 399	1 347	513	678	120	36	52	5	40	7	-
\$7,000 to \$9,999-----	3 017	2 923	1 061	1 571	231	60	94	36	30	19	9
\$10,000 to \$14,999-----	1 871	1 854	660	1 046	103	45	17	-	8	-	9
\$15,000 to \$24,999-----	479	479	193	249	27	-	10	-	10	-	-
\$25,000 or more-----	118	118	59	53	-	6	-	-	-	-	-
Median-----	\$5 200	\$5 500	\$4 100	\$6 200	\$6 400	\$4 900	\$2 300	\$2000-	\$2 700	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ² -----	15 323	14 339	6 644	6 591	789	315	984	444	434	47	59
Less than 10 percent-----	1 101	1 011	372	512	91	36	90	24	44	18	4
10 to 14 percent-----	2 612	2 485	916	1 368	158	43	127	15	78	8	26
15 to 19 percent-----	2 675	2 565	902	1 424	163	74	110	32	60	8	10
20 to 24 percent-----	2 066	1 983	851	928	144	60	83	57	26	-	-
25 to 34 percent-----	2 029	1 883	894	862	82	45	146	56	70	10	10
35 percent or more-----	3 923	3 607	2 191	1 252	117	47	316	192	119	-	5
Not computed-----	917	805	518	243	34	10	112	68	37	3	4
HEATING EQUIPMENT											
Steam or hot water-----	942	905	524	329	33	19	37	5	28	-	4
Warm-air furnace-----	7 676	7 415	3 532	3 444	318	121	261	142	119	-	-
Built-in electric units-----	102	102	56	41	5	-	-	-	-	-	-
Floor, wall, or pipeless furnace-----	2 822	2 732	1 185	1 359	164	24	90	42	27	13	8
Other means-----	4 556	3 789	1 575	1 687	347	180	767	311	322	56	78
None-----	4	-	-	-	-	-	4	-	4	-	-

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

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

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

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	35 051	114	227	1 452	8 103	12 339	7 623	3 197	1 996	5.1
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	33 719	66	146	1 217	7 517	12 214	7 480	3 083	1 996	5.1
PERSONS										
1 person	5 484	52	136	635	1 935	1 626	716	255	129	4.5
2 persons	11 923	29	50	482	3 436	4 299	2 352	877	398	5.0
3 persons	6 058	20	9	199	1 315	2 137	1 575	553	250	5.2
4 persons	6 080	-	16	85	831	2 349	1 634	686	479	5.4
5 persons	3 195	5	9	34	307	1 193	819	459	369	5.6
6 persons or more	2 311	8	7	17	279	735	527	367	371	5.7
Median	2.5	1.7	1.3	1.7	2.1	2.6	3.0	3.3	4.0	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	34 041	78	137	1 218	7 711	12 153	7 549	3 189	1 986	5.1
0.50 or less	19 247	-	70	540	5 150	5 834	4 600	1 681	1 372	5.2
0.51 to 1.00	13 175	32	35	588	2 049	5 619	2 819	1 433	600	5.2
1.01 to 1.50	1 338	-	4	64	439	605	150	62	14	4.8
1.51 or more	281	46	28	26	73	95	-	13	-	4.1
Lacking some or all plumbing facilities	1 010	36	90	234	392	184	54	8	10	3.9
0.50 or less	525	-	66	95	221	91	43	4	5	4.0
0.51 to 1.00	290	20	15	93	97	60	-	-	5	3.7
1.01 to 1.50	127	-	5	21	61	25	11	4	-	4.1
1.51 or more	68	16	4	25	13	10	-	-	-	...
BEDROOMS										
None and 1	2 512	176	137	952	1 053	126	68	-	-	3.5
2	14 010	-	-	347	7 220	5 035	1 204	162	42	4.4
3	15 331	-	-	-	268	6 447	5 856	2 204	556	5.7
4 or more	3 112	-	-	-	-	63	566	1 138	1 345	7.3
YEAR STRUCTURE BUILT										
1969 to March 1970	1 430	-	31	70	307	341	377	178	126	5.4
1960 to 1968	9 837	13	39	262	1 474	3 740	2 522	1 076	711	5.3
1950 to 1959	7 507	10	24	197	1 627	2 808	1 851	703	287	5.2
1949 or earlier	16 277	91	133	923	4 695	5 450	2 873	1 240	872	4.9
COMPLETE BATHROOMS										
1 and 1 1/2	26 440	48	146	1 202	7 336	10 670	5 073	1 362	603	4.9
2 or more	7 337	18	-	22	195	1 558	2 430	1 721	1 393	6.3
None or also used by another household	1 274	28	116	285	461	263	89	20	12	4.0
VALUE-INCOME RATIO										
Specified owner occupied ¹	28 837	64	110	736	5 956	10 680	6 738	2 807	1 744	5.2
Less than 1.5	10 155	10	28	246	2 413	3 805	2 224	892	536	5.1
1.5 to 1.9	5 685	15	14	126	979	2 197	1 436	578	340	5.3
2.0 to 2.9	6 150	25	21	101	906	2 256	1 581	773	487	5.4
3.0 or more	6 667	14	47	248	1 609	2 338	1 477	564	370	5.1
Not computed	180	-	-	15	49	83	20	-	13	4.8
Renter occupied housing units	16 102	418	1 503	3 819	5 408	3 096	1 311	352	195	3.9
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	14 706	192	1 142	3 455	4 997	3 086	1 309	340	185	4.0
PERSONS										
1 person	4 333	300	954	1 727	960	301	62	19	10	3.0
2 persons	4 827	93	381	1 423	1 830	787	244	52	17	3.8
3 persons	2 953	4	124	499	1 268	680	240	105	13	4.2
4 persons	1 968	16	34	97	839	627	264	50	41	4.5
5 persons	1 018	5	-	31	243	384	268	55	30	5.1
6 persons or more	1 003	-	10	42	248	315	233	71	84	5.1
Median	2.3	1.2	1.3	1.6	2.5	3.2	3.9	3.5	5.1	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	14 943	235	1 180	3 571	5 100	3 022	1 288	352	195	4.0
0.50 or less	6 872	-	724	1 604	2 669	1 071	537	176	91	3.9
0.51 to 1.00	6 860	135	311	1 807	2 022	1 662	686	148	89	4.1
1.01 to 1.50	867	-	105	92	338	234	60	23	15	4.2
1.51 or more	344	100	40	68	71	55	5	5	-	3.0
Lacking some or all plumbing facilities	1 159	183	323	248	308	74	23	-	-	2.8
0.50 or less	500	-	230	123	121	17	9	-	-	2.7
0.51 to 1.00	500	165	70	115	105	31	14	-	-	2.6
1.01 to 1.50	69	-	19	5	37	8	-	-	-	...
1.51 or more	90	18	4	5	45	18	-	-	-	...
BEDROOMS										
None	654	494	140	20	-	-	-	-	-	1.2
1	5 979	-	1 211	3 822	805	141	-	-	-	3.0
2	6 771	-	-	285	4 564	1 564	280	59	19	4.2
3 or more	2 723	-	-	-	40	1 259	884	303	237	5.6
YEAR STRUCTURE BUILT										
1969 to March 1970	837	5	39	265	375	137	16	-	-	3.8
1960 to 1968	3 041	66	209	798	1 071	537	278	50	32	3.9
1950 to 1959	2 221	58	113	352	886	523	227	43	19	4.2
1949 or earlier	10 003	289	1 142	2 404	3 076	1 899	790	259	144	3.9
COMPLETE BATHROOMS										
1 and 1 1/2	14 275	216	1 180	3 446	4 933	2 980	1 148	261	111	4.0
2 or more	533	-	15	15	83	106	161	79	74	5.8
None or also used by another household	1 294	180	354	265	362	89	40	-	4	2.9
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	15 323	410	1 478	3 788	5 132	2 871	1 173	331	140	3.9
Less than 10 percent	1 101	45	97	265	382	191	69	27	25	3.9
10 to 14 percent	2 612	64	141	421	1 006	611	282	72	15	4.2
15 to 19 percent	2 675	68	214	536	832	670	251	67	37	4.1
20 to 24 percent	2 066	38	212	448	767	409	140	39	13	3.9
25 to 34 percent	2 029	68	218	594	588	341	174	41	5	3.7
35 percent or more	3 923	87	489	1 375	1 262	508	140	35	27	3.5
Not computed	917	40	107	149	295	141	117	50	18	4.1

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

²Excludes one-family homes on 10 acres or more.

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

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

The SMSA	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
All occupied housing units	35 051	32 372	919	1 760	16 102	8 967	1 672	1 416	1 128	1 264	1 271	384
ROOMS												
1 room	114	94	20	-	418	54	13	31	147	112	61	-
2 rooms	227	133	26	68	1 503	202	135	241	313	232	340	40
3 rooms	1 452	894	167	371	3 819	941	692	689	437	525	460	75
4 rooms	8 103	6 726	366	1 011	5 408	3 320	692	364	124	349	354	205
5 rooms	12 339	11 886	184	269	3 094	2 685	122	62	86	36	46	59
6 rooms	7 623	7 501	86	36	1 311	1 231	14	29	17	10	5	5
7 rooms	3 197	3 172	20	5	352	343	-	-	4	-	5	-
8 rooms or more	1 996	1 966	30	-	195	191	-	-	-	-	-	-
Median	5.1	5.2	4.1	3.9	3.9	4.5	3.5	3.1	2.7	3.0	3.0	3.9
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	34 041	31 460	857	1 724	14 943	8 369	1 591	1 264	912	1 178	1 260	349
0.50 or less	19 247	17 772	653	822	6 872	3 314	889	676	499	650	484	178
0.51 to 1.00	13 175	12 210	179	786	6 867	4 179	649	530	376	464	475	187
1.01 to 1.50	1 338	1 221	17	100	867	684	34	43	18	46	38	4
1.51 or more	281	257	8	16	344	192	19	15	19	38	61	-
Lacking some or all plumbing facilities	1 010	912	62	36	1 159	598	81	152	218	88	11	15
0.50 or less	525	486	31	8	500	215	58	71	82	53	6	15
0.51 to 1.00	290	245	27	18	500	252	19	67	124	33	5	-
1.01 to 1.50	127	122	-	5	69	55	4	10	-	-	-	-
1.51 or more	68	59	4	5	90	76	-	4	10	-	-	-
BEDROOMS												
None	195	179	16	-	654	55	41	93	153	221	91	-
1	2 317	1 602	353	362	5 979	1 577	732	1 187	828	738	818	99
2	14 010	12 464	299	1 245	6 771	4 940	732	132	105	336	309	217
3	15 331	14 991	143	197	2 190	1 904	108	20	78	-	-	80
4 or more	3 112	3 045	67	-	533	494	-	20	-	-	19	-
YEAR STRUCTURE BUILT												
1969 to March 1970	1 430	1 065	18	347	837	110	33	100	88	208	243	55
1965 to 1968	4 594	3 779	61	754	1 270	414	117	76	60	230	279	94
1960 to 1964	5 243	4 856	41	346	1 771	670	174	125	109	301	315	77
1950 to 1959	7 507	7 266	85	156	2 221	1 613	234	73	74	97	49	81
1940 to 1949	3 634	3 542	39	53	1 976	1 576	190	59	61	36	29	25
1939 or earlier	12 643	11 864	675	104	8 027	4 584	924	983	736	392	356	52
INCOME IN 1969												
Less than \$2,000	4 226	3 759	282	185	3 232	1 197	412	444	472	334	276	97
\$2,000 to \$2,999	2 344	2 082	143	119	1 531	749	185	203	124	102	131	37
\$3,000 to \$3,999	2 233	1 981	117	135	1 644	798	183	188	95	146	174	60
\$4,000 to \$4,999	2 045	1 823	68	154	1 283	650	155	113	72	147	122	24
\$5,000 to \$5,999	2 100	1 888	37	175	1 528	939	217	83	81	99	63	46
\$6,000 to \$6,999	2 245	2 027	40	178	1 399	904	126	89	92	57	95	36
\$7,000 to \$9,999	7 469	6 879	105	485	3 017	2 094	225	152	130	139	230	47
\$10,000 to \$14,999	7 608	7 241	90	277	1 871	1 314	111	109	51	149	100	37
\$15,000 to \$24,999	3 723	3 664	21	38	479	275	42	21	11	59	71	-
\$25,000 or more	1 058	1 028	16	14	118	47	16	14	-	32	9	-
Median	\$7 900	\$8 100	\$3 300	\$6 600	\$5 200	\$6 200	\$4 400	\$3 300	\$2 700	\$4 300	\$4 400	\$4 000
YEAR MOVED INTO UNIT												
1969 to March 1970	4 931	4 128	104	699	8 772	4 336	898	917	654	857	818	292
1968	3 054	2 725	49	280	2 298	1 388	311	118	145	130	174	32
1967	2 447	2 164	56	227	1 311	892	138	75	51	54	89	12
1965 and 1966	4 073	3 769	72	232	1 427	934	123	52	84	108	105	21
1960 to 1964	6 880	6 464	184	232	1 253	766	97	122	107	90	63	8
1950 to 1959	7 099	6 788	271	40	650	405	92	71	56	-	26	-
1949 or earlier	6 567	6 316	218	33	391	270	22	46	20	8	7	18
GROSS RENT												
Specified renter occupied ¹	...	...	...	...	15 323	8 188	1 672	1 416	1 128	1 264	1 271	384
Less than \$50	...	...	...	...	1 232	386	200	186	299	92	54	15
\$50 to \$59	...	...	...	...	1 116	474	159	199	148	71	51	14
\$60 to \$69	...	...	...	...	1 650	757	200	208	142	106	215	22
\$70 to \$79	...	...	...	...	1 574	816	180	186	130	102	134	26
\$80 to \$99	...	...	...	...	3 229	2 056	380	273	156	208	80	76
\$100 to \$119	...	...	...	...	2 213	1 409	273	119	79	162	75	96
\$120 to \$149	...	...	...	...	2 125	972	146	161	91	299	373	83
\$150 to \$199	...	...	...	...	1 221	625	69	53	78	189	207	-
\$200 to \$299	...	...	...	...	276	165	37	5	-	19	46	4
\$300 or more	...	...	...	...	26	16	-	-	-	-	10	-
No cash rent	...	...	...	...	661	512	28	26	5	16	26	48
Median	...	...	...	...	\$90	\$93	\$84	\$75	\$68	\$106	\$121	\$103
HEATING EQUIPMENT												
Steam or hot water	967	911	56	-	942	129	54	117	221	201	220	-
Warm-air furnace	22 282	20 468	524	1 290	7 676	3 238	898	843	596	902	984	215
Built-in electric units	273	247	8	18	102	56	5	13	9	19	-	-
Floor, wall, or pipeless furnace	5 200	4 715	141	344	2 822	2 036	336	144	122	49	25	110
Other means	6 329	6 031	190	108	4 556	3 508	379	299	176	93	42	59
None	-	-	-	-	4	-	-	-	4	-	-	-
AIR CONDITIONING												
Room unit(s)	10 319	9 524	219	576	3 073	1 812	338	217	194	218	191	103
Central system	5 744	5 417	89	238	2 018	290	105	175	115	598	690	45
None	18 988	17 413	646	929	11 011	6 889	1 238	1 009	808	431	401	235
AUTOMOBILES AVAILABLE												
1	16 490	14 968	502	1 020	8 941	5 175	941	635	551	638	734	267
2	12 896	12 179	143	574	3 464	2 357	226	203	112	238	254	74
3 or more	1 887	1 836	10	41	453	247	38	73	-	40	47	8
None	3 778	3 371	299	108	3 244	1 212	476	490	454	331	247	34

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

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

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

The SMSA	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
Owner occupied housing units	35 051	987	4 657	5 530	10 585	4 350	652	271	1 789	746	2 021	3 463
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	34 041	967	4 577	5 469	10 346	4 232	611	238	1 730	719	1 947	3 205
0.50 or less	19 247	460	841	987	6 096	3 676	329	172	998	568	1 935	3 185
0.51 to 1.00	13 175	467	3 331	3 876	3 893	529	247	62	622	116	12	20
1.01 to 1.50	1 338	40	365	492	278	13	23	4	93	30	-	-
1.51 or more	281	-	40	114	79	14	12	-	17	5	-	-
Locking some or all plumbing facilities	1 010	20	80	61	239	118	41	33	59	27	74	258
0.50 or less	525	-	-	10	52	81	17	5	34	14	65	247
0.51 to 1.00	290	15	24	14	122	32	19	16	19	9	9	11
1.01 to 1.50	127	5	46	29	42	-	5	-	-	-	-	-
1.51 or more	68	-	10	8	23	5	-	12	6	4	-	-
UNITS IN STRUCTURE												
1	32 372	631	4 214	5 327	10 170	4 126	609	254	1 610	708	1 704	3 019
2 or more	919	10	32	40	135	150	8	17	62	23	132	310
Mobile home or trailer	1 760	346	411	163	280	74	35	-	117	15	185	134
INCOME IN 1969												
Less than \$2,000	4 226	24	63	51	273	671	37	40	166	169	489	2 243
\$2,000 to \$2,999	2 344	21	58	37	335	760	49	36	146	82	270	550
\$3,000 to \$3,999	2 233	53	64	86	361	704	23	46	174	100	361	261
\$4,000 to \$4,999	2 045	75	154	161	391	512	51	27	247	67	235	125
\$5,000 to \$5,999	2 100	126	313	198	521	343	29	12	263	51	154	90
\$6,000 to \$6,999	2 245	130	377	278	669	255	84	28	150	34	175	65
\$7,000 to \$9,999	7 469	332	1 640	1 519	2 524	515	164	23	342	147	194	69
\$10,000 to \$14,999	7 608	191	1 499	2 100	2 963	325	122	35	200	56	101	16
\$15,000 to \$24,999	3 723	26	438	836	1 992	177	84	18	71	15	38	28
\$25,000 or more	1 058	9	51	264	556	88	9	6	30	25	4	16
Median	\$7 900	\$7 600	\$9 400	\$11 000	\$10 400	\$4 100	\$8 000	\$4 500	\$5 600	\$4 300	\$3 700	\$2000-
VALUE-INCOME RATIO												
Specified owner occupied ¹	28 837	593	3 903	4 769	8 854	3 522	565	183	1 501	650	1 579	2 718
Less than 1.5	10 155	308	1 438	2 022	4 490	671	208	57	406	196	244	115
1.5 to 1.9	5 685	157	1 056	1 300	1 912	458	126	24	213	92	181	166
2.0 to 2.4	3 904	56	764	675	1 045	472	73	26	256	85	234	218
2.5 to 2.9	2 246	37	329	333	501	407	64	9	150	61	185	170
3.0 to 3.9	2 211	25	168	258	360	547	28	28	178	43	175	401
4.0 or more	4 456	10	132	177	527	963	66	39	284	161	492	1 605
Not computed	180	-	16	4	19	4	-	-	14	12	68	43
Renter occupied housing units	16 102	2 550	2 830	1 254	1 734	620	620	102	1 827	232	2 561	1 772
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	14 943	2 463	2 736	1 170	1 597	584	571	97	1 765	204	2 224	1 530
0.50 or less	6 872	727	465	146	651	406	157	53	550	96	2 125	1 496
0.51 to 1.00	6 860	1 584	1 885	721	819	164	366	38	1 045	103	101	34
1.01 to 1.50	867	88	298	241	92	9	25	6	108	5	-	-
1.51 or more	344	64	88	62	35	5	23	5	62	5	-	-
Locking some or all plumbing facilities	1 159	87	94	84	137	36	49	5	62	28	335	242
0.50 or less	500	4	10	-	45	11	-	-	-	5	225	187
0.51 to 1.00	500	64	45	34	69	21	45	5	47	5	110	55
1.01 to 1.50	69	15	19	18	8	-	-	-	4	5	-	-
1.51 or more	90	4	20	32	15	4	4	-	11	-	-	-
UNITS IN STRUCTURE												
1	8 967	1 251	2 145	1 096	1 326	416	245	36	1 068	140	651	593
2 to 4	3 088	551	317	78	175	107	142	25	413	50	682	548
5 to 19	2 392	416	179	29	145	57	99	36	181	34	766	450
20 or more	1 271	220	133	10	75	33	123	5	122	4	394	152
Mobile home or trailer	384	112	56	41	13	7	11	-	43	4	68	29
GROSS RENT												
Specified renter occupied ²	15 323	2 466	2 638	1 127	1 576	565	579	94	1 782	219	2 529	1 748
Less than \$50	1 232	82	56	36	57	42	15	-	70	10	418	446
\$50 to \$59	1 116	133	80	74	59	22	52	16	98	43	315	262
\$60 to \$69	1 650	237	171	74	140	75	42	4	176	33	385	313
\$70 to \$79	1 574	344	198	103	99	98	60	11	212	26	246	177
\$80 to \$99	3 229	720	708	211	363	119	98	18	422	35	367	168
\$100 to \$119	2 213	416	536	228	250	57	51	15	272	15	270	103
\$120 to \$149	2 125	396	498	134	195	36	144	10	288	13	310	101
\$150 to \$199	1 221	71	311	159	192	29	108	15	191	12	99	34
\$200 to \$299	276	15	24	11	84	57	19	5	33	5	29	5
\$300 or more	26	-	-	11	10	-	-	-	-	-	-	5
No cash rent	661	52	56	51	154	68	4	5	20	27	90	134
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	15 323	2 466	2 638	1 127	1 576	565	579	94	1 782	219	2 529	1 748
Less than \$5,000	7 445	1 071	449	197	333	357	329	59	1 173	180	1 680	1 617
Less than 20 percent	654	103	55	56	44	35	19	10	41	4	233	54
20 to 24 percent	889	199	76	41	55	47	4	-	125	16	247	79
25 to 34 percent	1 451	278	142	38	55	98	37	-	208	37	282	278
35 percent or more	3 807	462	146	62	138	125	241	44	717	96	726	1 050
Not computed	644	29	30	-	41	52	28	-	84	27	192	156
\$5,000 to \$9,999	5 518	1 156	1 423	535	693	133	174	25	528	39	706	106
Less than 20 percent	3 561	733	984	308	467	93	87	20	309	34	464	62
20 to 24 percent	1 104	273	289	115	120	20	36	5	99	-	132	15
25 to 34 percent	562	103	117	67	38	-	41	-	101	-	81	14
35 percent or more	116	16	13	15	10	4	10	-	19	5	20	4
Not computed	175	31	20	30	58	16	-	-	57	-	100	4
\$10,000 to \$14,999	1 768	214	632	294	375	47	35	10	57	-	94	4
Less than 20 percent	1 603	208	609	248	295	43	35	10	57	-	-	-
20 to 24 percent	65	-	12	34	15	4	-	-	-	-	6	-
25 percent or more	16	-	5	-	5	-	-	-	-	-	-	-
Not computed	84	6	6	12	60	-	-	-	-	-	43	21
\$15,000 or more	592	25	134	101	175	28	41	-	24	-	43	21
Less than 20 percent	570	25	134	92	162	28	41	-	24	-	-	-
20 to 24 percent	8	-	-	-	8	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	14	-	-	9	5	-	-	-	-	-	-	-

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

²Excludes one-family homes on 10 acres or more.

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

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

The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	35 051	5 484	11 923	6 058	6 080	3 195	1 486	501	324	2.5
BEDROOMS										
None and 1	2 512	1 275	834	221	89	55	-	38	-	1.5
2	14 010	3 004	6 478	2 548	1 225	382	254	39	80	2.1
3	15 331	968	3 814	3 066	4 381	2 046	772	113	171	3.4
4 or more	3 112	276	503	366	458	638	446	242	183	4.4
YEAR STRUCTURE BUILT										
1969 to March 1970	1 430	88	429	285	380	161	44	43	-	3.2
1965 to 1968	4 594	226	1 146	1 031	1 266	599	242	57	27	3.4
1960 to 1964	5 243	338	1 338	1 010	1 413	711	299	95	39	3.4
1950 to 1959	7 507	853	2 638	1 372	1 436	736	304	95	73	2.7
1940 to 1949	3 634	732	1 382	639	438	219	162	27	35	2.3
1939 or earlier	12 643	3 247	4 990	1 721	1 147	769	435	184	150	2.1
UNITS IN STRUCTURE										
1	32 372	4 723	10 953	5 572	5 832	3 072	1 431	474	315	2.6
2 or more	919	442	306	85	45	16	16	-	9	1.6
Mobile home or trailer	1 760	319	664	401	203	107	39	27	-	2.3
COMPLETE BATHROOMS										
1 and 1/2	26 440	4 684	9 787	4 324	4 083	2 125	969	289	179	2.4
2 and 2 1/2	6 664	372	1 684	1 410	1 642	944	398	151	63	3.4
3 or more	673	15	111	96	228	110	50	51	12	4.0
None or also used by another household	1 274	385	397	179	101	72	59	45	36	2.1
HOUSEHOLD COMPOSITION										
Two-or-more-person households	29 567	...	11 923	6 058	6 080	3 195	1 486	501	324	3.0
Male head, wife present, no nonrelatives	26 109	...	10 056	5 299	5 688	2 989	1 326	457	294	3.1
Under 25 years	987	...	399	363	192	29	-	4	-	2.8
25 to 34 years	4 657	...	511	1 024	1 834	860	288	105	35	3.9
35 to 44 years	5 530	...	436	832	1 936	1 312	674	209	131	4.3
45 to 64 years	10 585	...	5 017	2 584	1 624	751	355	131	123	2.6
65 years and over	4 350	...	3 693	496	102	37	9	8	5	2.1
Other male head	923	...	422	210	140	59	53	18	21	2.7
Under 65 years	652	...	283	121	106	55	48	18	21	2.9
65 years and over	271	...	139	89	34	4	5	-	-	2.5
Female head	2 535	...	1 445	549	252	147	107	26	9	2.4
Under 65 years	1 789	...	884	441	218	138	77	22	9	2.5
65 years and over	746	...	561	108	34	9	30	4	-	2.2
One-person households	5 484	5 484	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	28 837	4 297	9 590	4 965	5 299	2 749	1 260	406	271	2.6
Less than 1.5	10 155	359	3 267	2 165	2 214	1 156	602	207	185	3.2
1.5 to 1.9	5 685	347	1 763	1 133	1 414	634	259	85	50	3.1
2.0 to 2.4	3 904	452	1 277	694	779	458	185	44	15	2.8
2.5 to 2.9	2 246	355	781	369	398	231	88	24	-	2.5
3.0 to 3.9	2 211	576	883	283	235	135	68	31	-	2.1
4.0 or more	4 456	2 097	1 581	308	255	126	58	15	16	1.6
Not computed	180	111	38	13	4	9	-	-	5	1.3
Renter occupied housing units	16 102	4 333	4 827	2 953	1 968	1 018	565	217	221	2.3
BEDROOMS										
None	654	538	95	-	21	-	-	-	-	1.1
1	5 979	2 885	2 188	692	134	43	18	19	-	1.5
2	6 771	780	2 295	1 617	1 263	475	182	36	123	2.7
3 or more	2 723	61	411	601	439	640	305	128	136	4.2
YEAR STRUCTURE BUILT										
1969 to March 1970	837	221	299	192	80	31	14	-	-	2.2
1965 to 1968	1 270	244	520	243	156	81	22	-	4	2.3
1960 to 1964	1 771	350	671	371	239	76	45	14	5	2.3
1950 to 1959	2 221	418	660	532	326	196	59	26	4	2.6
1940 to 1949	1 976	445	575	400	310	128	33	33	27	2.4
1939 or earlier	8 027	2 655	2 102	1 215	857	506	367	144	181	2.1
UNITS IN STRUCTURE										
1	8 967	1 244	2 296	1 957	1 625	909	522	200	214	3.0
2	1 672	633	604	311	67	24	20	6	7	1.8
3 and 4	1 416	597	531	203	56	20	4	5	-	1.7
5 to 9	1 128	625	344	80	56	9	14	-	-	1.4
10 to 19	1 264	591	443	144	48	32	6	-	-	1.6
20 or more	1 271	546	497	155	68	5	-	-	-	1.7
Mobile home or trailer	384	97	112	103	48	19	5	-	-	2.3
COMPLETE BATHROOMS										
1 and 1/2	14 275	3 617	4 429	2 712	1 843	882	497	165	130	2.3
2 or more	533	83	113	78	92	68	43	18	38	3.4
None or also used by another household	1 294	661	241	172	77	25	44	37	37	1.5
HOUSEHOLD COMPOSITION										
Two-or-more-person households	11 769	...	4 827	2 953	1 968	1 018	565	217	221	2.9
Male head, wife present, no nonrelatives	8 988	...	3 438	2 260	1 579	852	485	175	199	3.0
Under 25 years	2 550	...	1 384	805	295	58	8	-	-	2.4
25 to 34 years	2 830	...	599	741	768	454	178	43	47	3.6
35 to 44 years	1 254	...	138	188	310	207	106	98	45	4.5
45 to 64 years	1 734	...	783	468	195	130	83	26	49	2.7
65 years and over	620	...	534	58	11	3	9	-	5	2.1
Other male head	722	...	413	187	78	10	25	5	4	2.4
Under 65 years	620	...	334	174	68	10	25	5	4	2.4
65 years and over	102	...	79	13	10	-	-	-	-	2.1
Female head	2 059	...	976	506	311	156	55	37	18	2.6
Under 65 years	1 827	...	796	479	302	146	55	31	18	2.7
65 years and over	232	...	180	27	9	10	-	6	-	2.1
One-person households	4 333	4 333	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	15 323	4 277	4 623	2 810	1 829	932	493	203	156	2.2
Less than 10 percent	1 101	161	432	210	143	53	62	15	25	2.4
10 to 14 percent	2 612	338	841	624	377	216	136	48	32	2.7
15 to 19 percent	2 675	476	753	566	456	224	113	39	48	2.7
20 to 24 percent	2 066	473	659	372	324	121	70	29	18	2.3
25 to 34 percent	2 029	661	556	395	197	122	51	37	10	2.1
35 percent or more	3 923	1 800	1 106	515	275	146	43	20	18	1.6
Not computed	917	368	276	128	57	50	18	15	5	1.8

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

²Excludes one-family homes on 10 acres or more.

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

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

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
Vacant for sale	543	251	150	142	Vacant for rent	1 321	933	287	101
ROOMS					ROOMS				
1 to 3 rooms	56	4	27	25	1 room	64	55	9	—
4 rooms	99	44	20	35	2 rooms	106	89	9	8
5 rooms	127	59	32	36	3 rooms	328	217	71	40
6 rooms	142	81	34	27	4 rooms	584	394	162	28
7 rooms or more	119	63	37	19	5 rooms	176	133	28	15
PLUMBING FACILITIES					6 rooms	36	28	8	—
With all plumbing facilities	491	247	120	124	7 rooms or more	27	17	—	10
Lacking some or all plumbing facilities	52	4	30	18	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	1 185	835	249	101
None and 1	79	—	20	59	Lacking some or all plumbing facilities	136	98	38	—
2	175	81	41	53	BEDROOMS				
3	169	115	—	54	None	38	38	—	—
4 or more	133	120	—	13	1	592	477	71	44
YEAR STRUCTURE BUILT					2	540	303	195	42
1969 to March 1970	172	119	42	11	3 or more	90	30	20	40
1960 to 1968	49	20	15	14	YEAR STRUCTURE BUILT				
1950 to 1959	56	42	4	10	1969 to March 1970	234	146	88	—
1949 or earlier	266	70	89	107	1960 to 1968	272	201	24	47
UNITS IN STRUCTURE					1950 to 1959	99	73	20	6
1	525	241	150	134	1949 or earlier	716	513	155	48
2 or more	18	10	—	8	UNITS IN STRUCTURE				
HEATING EQUIPMENT					1	487	321	125	41
Steam or hot water	13	6	7	—	2 to 4	208	144	49	15
Warm-air furnace	349	215	74	60	5 to 9	174	142	22	10
Built-in electric units	—	—	—	—	10 to 19	255	172	69	14
Floor, wall, or pipeless furnace	76	12	26	38	20 or more	197	154	22	21
Other means	101	14	43	44	RENT ASKED				
None	4	4	—	—	Specified vacant for rent?	1 263	898	278	87
SALES PRICE ASKED					Less than \$50	231	168	54	9
Specified vacant for sale ¹	472	226	136	110	\$50 to \$59	106	89	8	9
Less than \$5,000	39	4	9	26	\$60 to \$79	268	176	78	14
\$5,000 to \$9,999	104	22	42	40	\$80 to \$99	126	84	30	12
\$10,000 to \$14,999	56	38	14	4	\$100 to \$119	125	88	15	22
\$15,000 to \$19,999	103	58	29	16	\$120 to \$149	233	185	48	—
\$20,000 to \$24,999	60	45	15	—	\$150 to \$199	153	87	45	21
\$25,000 to \$34,999	84	36	27	21	\$200 or more	21	21	—	—
\$35,000 to \$49,999	26	23	—	3	Median rent asked	\$84	\$84	\$80	...
\$50,000 or more	—	—	—	—					
Median price asked	\$16 800	\$19 200	\$15 500	\$7 300					

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

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

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

The SMSA	Sales price asked - Vacant for sale ¹							Rent asked - Vacant for rent ²						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	472	143	56	103	60	84	26	1 263	337	268	126	358	153	21
PLUMBING FACILITIES														
With all plumbing facilities	456	96	61	54	63	107	75	1 100	295	226	138	283	134	24
Lacking some or all plumbing facilities	21	21	—	—	—	—	—	123	60	20	19	24	—	—
BEDROOMS														
None and 1	58	58	—	—	—	—	—	630	239	191	47	129	—	24
2	144	40	41	—	31	32	—	503	77	55	110	142	119	—
3	169	19	20	54	32	44	—	69	39	—	—	15	15	—
4 or more	106	—	—	—	—	31	75	21	—	—	—	21	—	—
YEAR STRUCTURE BUILT														
1969 to March 1970	161	—	13	65	28	43	12	234	10	4	—	121	86	13
1960 to 1968	49	10	6	—	12	15	6	272	18	38	29	151	36	—
1950 to 1959	56	8	18	4	9	12	5	94	19	26	17	32	—	—
1949 or earlier	206	125	19	34	11	14	3	663	290	200	80	54	31	8
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	429	153	137	57	61	21	—
2 to 4 .....	...	...	...	...	...	...	...	208	82	40	19	45	17	5
5 to 19 .....	...	...	...	...	...	...	...	429	98	71	40	171	41	8
20 or more .....	...	...	...	...	...	...	...	197	4	20	10	81	74	8
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	504	148	95	35	133	77	16
Some or no utilities included .....	...	...	...	...	...	...	...	759	189	173	91	225	76	5

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

Table B-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]

Springfield

	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied¹	24 610	1 399	2 765	3 173	3 359	2 993	5 144	2 780	2 085	582	330	13 806
ROOMS												
1 and 2 rooms	138	82	24	5	5	8	14	-	-	-	-	5000-
3 rooms	634	267	231	78	38	10	-	-	-	-	-	5 500
4 rooms	4 994	681	1 309	1 230	989	455	237	57	36	-	-	8 500
5 rooms	9 179	265	806	1 267	1 574	1 575	2 581	835	239	16	21	13 600
6 rooms	5 818	64	292	435	542	704	1 672	1 265	720	95	29	17 600
7 rooms	2 400	31	74	103	162	191	420	417	701	234	67	22 600
8 rooms or more	1 447	9	29	55	49	50	210	206	389	237	213	28 000
Median	5.2	4.0	4.4	4.7	4.9	5.1	5.4	5.9	6.6	7.3	7.5+	...
PERSONS												
1 person	3 874	491	812	653	582	437	527	234	96	27	15	9 900
2 persons	8 397	463	980	1 254	1 255	1 036	1 622	880	661	167	79	13 100
3 persons	4 239	158	380	525	533	530	932	563	463	107	48	15 000
4 persons	4 316	125	276	350	494	585	1 131	640	455	185	75	16 300
5 persons	2 238	66	124	199	328	265	610	261	254	61	70	16 100
6 persons or more	1 546	96	193	192	167	140	322	202	156	35	43	14 700
Median	2.5	2.0	2.1	2.2	2.4	2.5	3.0	3.0	3.1	3.4	3.8	...
Units with roomers, boarders, or lodgers	264	19	35	42	37	21	73	15	11	11	-	12 400
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	24 172	1 084	2 677	3 151	3 350	2 993	5 140	2 780	2 085	582	330	14 000
0.50 or less	14 160	701	1 726	1 961	1 958	1 676	2 704	1 516	1 271	431	216	13 600
0.51 to 1.00	8 959	269	721	980	1 233	1 221	2 261	1 200	809	151	114	15 100
1.01 to 1.50	867	79	184	174	138	75	148	64	5	-	-	9 900
1.51 or more	186	35	46	36	21	21	27	-	-	-	-	8 300
Lacking some or all plumbing facilities	438	315	88	22	9	-	4	-	-	-	-	5000-
0.50 or less	236	180	29	22	5	-	-	-	-	-	-	5000-
0.51 to 1.00	123	85	34	-	-	-	-	-	-	-	-	5000-
1.01 to 1.50	41	16	25	-	-	-	-	-	-	-	-	...
1.51 or more	38	34	-	-	4	-	-	-	-	-	-	...
BEDROOMS												
None and 1	1 320	525	320	243	141	32	59	-	-	-	-	6 100
2	9 790	707	1 805	2 295	2 168	1 192	1 161	280	165	17	-	10 100
3	11 686	145	501	634	1 223	1 511	3 658	2 071	1 586	282	75	17 500
4 or more	2 428	107	63	140	108	175	473	374	617	196	175	22 000
YEAR STRUCTURE BUILT												
1969 to March 1970	609	-	-	-	20	50	144	151	167	51	26	23 000
1965 to 1968	2 706	9	27	40	63	210	857	719	548	164	69	21 000
1960 to 1964	3 640	16	52	194	335	412	1 185	729	551	114	52	18 400
1950 to 1959	6 219	132	315	578	1 033	1 014	1 653	710	524	153	107	15 100
1940 to 1949	2 936	206	513	518	505	542	378	118	83	43	30	11 100
1939 or earlier	8 500	1 036	1 858	1 843	1 403	765	927	353	212	57	46	9 300
COMPLETE BATHROOMS												
1 and 1 1/2	18 345	1 037	2 616	3 001	3 053	2 782	4 068	1 274	447	49	18	12 100
2 and 2 1/2	5 084	-	51	88	132	254	1 013	1 516	1 450	433	147	23 300
3 or more	463	-	-	-	14	-	29	15	100	135	170	43 200
None or also used by another household	621	348	163	63	7	15	12	13	-	-	-	5000-
HOUSEHOLD COMPOSITION												
Two-or-more-person households	20 736	908	1 953	2 520	2 777	2 556	4 617	2 546	1 989	555	315	14 700
Male head, wife present, no nonrelatives	18 107	715	1 572	2 130	2 370	2 218	4 164	2 296	1 856	501	285	15 100
Under 25 years	488	51	66	76	75	66	117	37	-	-	-	11 700
25 to 34 years	3 180	58	211	322	438	432	933	451	266	42	27	15 700
35 to 44 years	3 704	59	211	353	362	451	949	600	483	138	98	17 100
45 to 64 years	7 548	326	624	830	973	934	1 619	933	916	258	135	15 300
65 years and over	3 187	221	460	549	522	335	546	275	191	63	25	11 700
Other male head	687	46	96	89	98	91	123	70	33	25	16	12 900
Under 65 years	508	37	52	42	76	70	108	60	33	20	10	14 200
65 years and over	179	9	44	47	22	21	15	10	-	5	6	9 400
Female head	1 942	147	285	301	309	247	330	180	100	29	14	11 900
Under 65 years	1 336	82	162	181	250	177	227	134	90	19	14	12 400
65 years and over	606	65	123	120	59	70	103	46	10	10	10	9 900
One-person households	3 874	491	812	653	582	437	527	234	96	27	15	9 900
Under 65 years	1 435	143	256	233	178	181	253	118	61	8	4	11 200
65 years and over	2 439	348	556	420	404	256	274	116	35	19	11	9 400
INCOME IN 1969												
Less than \$2,000	2 864	504	730	434	423	264	328	131	42	4	4	8 600
\$2,000 to \$2,999	1 513	259	307	276	243	155	151	84	28	10	-	9 200
\$3,000 to \$3,999	1 551	151	331	331	252	160	193	62	40	-	-	9 500
\$4,000 to \$4,999	1 320	111	255	296	178	147	191	102	25	5	10	10 000
\$5,000 to \$5,999	1 487	86	246	252	300	231	230	97	35	5	5	11 300
\$6,000 to \$6,999	1 538	64	225	295	287	207	290	78	57	24	11	11 600
\$7,000 to \$9,999	5 066	129	414	774	903	842	1 310	441	208	30	15	13 400
\$10,000 to \$14,999	5 503	61	196	432	604	771	1 604	1 021	704	88	22	17 100
\$15,000 to \$24,999	2 961	25	30	76	159	207	755	674	736	215	84	21 700
\$25,000 or more	807	9	-	7	10	9	92	90	210	201	179	33 900
Median	\$8 200	\$2 800	\$4 000	\$6 000	\$7 000	\$8 200	\$9 700	\$11 900	\$14 300	\$20 800	\$27 900	...
YEAR MOVED INTO UNIT												
1969 to March 1970	3 030	111	242	304	362	361	693	412	385	101	59	15 900
1968	2 120	74	174	164	266	213	507	351	265	81	25	16 700
1967	1 652	101	171	92	193	216	375	278	113	85	28	15 500
1965 and 1966	3 007	75	254	324	311	387	823	412	223	125	28	15 900
1960 to 1964	4 883	207	443	581	560	671	1 218	559	490	90	64	14 900
1950 to 1959	5 537	360	673	717	805	726	1 109	573	395	87	92	13 200
1949 or earlier	4 284	457	673	970	709	477	397	229	85	48	39	9 600
HEATING EQUIPMENT												
Steam or hot water	678	5	10	30	83	108	149	116	75	60	42	18 800
Warm-air furnace	16 397	106	520	1 192	2 038	2 459	4 724	2 584	1 969	522	283	16 800
Built-in electric units	45	-	4	-	-	5	-	-	-	-	-	...
Floor, wall, or pipeless furnace	3 764	233	805	1 211	968	328	182	23	14	-	-	9 200
Other means	3 726	1 055	1 426	735	270	93	78	52	17	-	-	6 400
None	-	-	-	-	-	-	-	-	-	-	-	-
AIR CONDITIONING												
Room unit(s)	7 960	87	521	864	1 248	1 418	2 369	970	331	107	45	14 700
Central system	4 518	6	41	87	129	271	823	1 040	1 379	464	278	24 300
None	12 035	1 292	2 268	2 201	1 829	1 362	1 930	808	287	46	12	10 400

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

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

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

Springfield	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied¹	14 093	1 076	1 017	1 563	1 478	2 987	2 053	2 015	1 146	263	21	474	90
ROOMS													
1 room	394	193	35	89	14	37	6	5	4	—	—	11	50
2 rooms	1 442	394	302	274	204	125	52	69	6	—	—	16	61
3 rooms	3 631	348	400	567	474	817	345	446	159	14	—	61	80
4 rooms	4 616	106	188	441	493	1 182	852	723	334	105	10	182	96
5 rooms	2 555	12	92	135	217	638	484	488	362	40	5	82	106
6 rooms	1 015	16	—	38	53	117	239	224	215	50	—	63	122
7 rooms	321	—	—	14	23	54	64	38	47	29	6	46	115
8 rooms or more	119	7	—	5	—	17	11	22	19	25	—	13	138
Median	3.8	2.4	2.9	3.2	3.6	3.9	4.2	4.2	4.7	4.8	...	4.3	...
PERSONS													
1 person	4 089	823	554	675	406	519	369	411	133	34	5	160	69
2 persons	4 338	141	231	503	543	1 030	620	689	310	88	5	178	92
3 persons	2 541	57	121	196	273	655	428	452	260	29	5	64	98
4 persons	1 604	27	48	86	134	456	315	230	230	45	6	28	102
5 persons	800	9	34	46	25	165	165	149	146	37	—	24	113
6 persons or more	721	19	29	57	97	162	156	84	67	30	—	20	98
Median	2.2	1.2	1.4	1.7	2.1	2.4	2.6	2.4	3.0	2.8	...	1.9	...
Units with roomers, boarders, or lodgers	568	4	39	35	64	95	64	116	129	22	—	—	115
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities													
0.50 or less	6 262	472	501	794	686	1 130	839	960	428	125	10	442	92
0.51 to 1.00	6 031	172	275	558	570	1 545	1 054	957	672	126	11	317	88
1.01 to 1.50	698	18	52	42	117	216	109	66	42	12	—	91	98
1.51 or more	306	15	25	86	52	70	31	17	—	—	—	24	89
Lacking some or all plumbing facilities													
0.50 or less	796	399	164	83	53	26	11	5	—	—	—	20	50
0.51 to 1.00	380	202	89	31	22	—	20	—	—	—	—	12	51
1.01 to 1.50	366	172	64	47	22	26	9	10	4	—	—	—	...
1.51 or more	26	7	5	5	9	—	—	—	—	—	—	—	...
24	18	6	—	—	—	—	—	—	—	—	—	—	...
BEDROOMS													
None	606	202	37	170	40	77	—	44	—	—	—	36	63
1	5 575	604	540	916	880	1 194	550	576	182	25	—	108	78
2	5 794	149	140	483	653	1 347	1 432	698	526	137	—	229	100
3 or more	2 011	—	50	164	65	264	307	433	479	104	21	124	126
YEAR STRUCTURE BUILT													
1969 to March 1970	777	21	11	21	11	36	86	289	278	14	—	10	141
1965 to 1968	1 111	16	14	36	41	85	174	387	210	115	11	20	134
1960 to 1964	1 613	16	19	55	131	245	297	459	309	48	—	34	122
1950 to 1959	2 002	20	60	122	127	491	516	378	153	39	—	96	105
1940 to 1949	1 728	71	95	192	201	535	258	197	77	6	—	96	88
1939 or earlier	6 862	932	818	1 137	967	1 595	720	305	119	41	10	218	74
ELEVATOR IN STRUCTURE													
4 floors or more	99	—	—	—	—	24	—	—	75	—	—	—	...
With elevator	75	—	—	—	—	—	—	—	75	—	—	—	...
Walk-up	24	—	—	—	—	24	—	—	—	—	—	—	...
1 to 3 floors	13 887	955	767	1 733	1 638	2 858	2 289	1 751	1 112	266	21	497	90
COMPLETE BATHROOMS													
1 and 1 1/2	12 674	666	891	1 381	1 344	2 894	1 917	1 997	1 038	135	6	405	92
2 or more	478	23	8	27	—	83	12	67	89	127	13	29	153
None or also used by another household	923	416	215	86	62	47	29	20	7	—	—	41	51
INCOME IN 1969													
Less than \$2,000	2 949	661	405	490	247	365	211	290	141	15	5	119	67
\$2,000 to \$2,999	1 340	130	146	196	248	267	127	124	53	9	5	35	77
\$3,000 to \$3,999	1 485	80	138	226	236	311	148	172	77	14	—	83	81
\$4,000 to \$4,999	1 146	45	95	130	170	328	210	75	59	9	—	25	87
\$5,000 to \$5,999	1 369	40	78	156	203	393	215	167	56	20	—	41	89
\$6,000 to \$6,999	1 221	24	32	107	148	319	292	153	82	34	—	30	97
\$7,000 to \$9,999	2 442	52	93	160	131	626	539	484	246	42	—	69	105
\$10,000 to \$14,999	1 591	34	24	87	70	311	260	415	276	47	5	62	118
\$15,000 to \$24,999	436	4	6	5	14	51	51	116	125	59	—	5	142
\$25,000 or more	114	6	—	6	11	16	—	19	31	14	6	5	144
Median	\$5 100	\$2000-	\$2 700	\$3 400	\$4 000	\$5 600	\$6 400	\$7 200	\$8 300	\$9 200	...	\$4 000	...
YEAR MOVED INTO UNIT													
1969 to March 1970	7 832	523	467	674	814	1 596	1 231	1 411	863	149	—	104	97
1968	1 960	140	101	219	224	457	258	321	123	52	—	65	92
1967	1 130	57	95	133	122	316	155	106	70	27	—	49	87
1965 and 1966	1 194	95	134	168	74	298	140	165	29	28	6	57	86
1960 to 1964	1 075	138	196	140	107	233	110	74	29	6	—	42	74
1950 to 1959	597	106	65	130	42	97	37	7	14	—	6	93	66
1949 or earlier	287	46	56	30	23	27	27	—	6	—	7	65	63
GROSS RENT AS PERCENTAGE OF INCOME													
less than 10 percent	950	155	129	150	100	202	72	96	36	4	6	...	74
10 to 14 percent	2 324	108	146	292	236	701	340	303	169	29	—	...	90
15 to 19 percent	2 499	117	122	205	284	571	501	442	206	45	—	...	98
20 to 24 percent	1 940	103	120	188	228	437	370	261	202	31	—	...	95
25 to 34 percent	1 941	228	149	159	214	433	292	262	161	38	5	...	89
35 percent or more	3 725	310	324	537	387	612	467	619	347	112	10	...	88
Not computed	714	55	27	32	29	25	11	32	25	4	—	474	72
AIR CONDITIONING													
Room unit(s)	2 757	67	169	147	184	654	564	488	271	36	—	177	102
Central system	1 928	48	8	28	32	101	205	808	504	132	13	49	139
None	9 390	990	937	1 319	1 190	2 269	1 189	788	359	94	6	249	81

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

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

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

Springfield

	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
Owner occupied housing units	26 814	3 267	1 774	1 768	1 503	1 621	1 692	5 460	5 838	3 055	836	8 000
ROOMS												
1 and 2 rooms	228	100	38	20	14	14	9	19	5	9	-	2 400
3 rooms	1 045	425	138	100	89	68	55	112	53	5	-	2 700
4 rooms	5 937	1 149	673	635	468	534	561	1 132	634	136	15	5 100
5 rooms	9 661	1 024	585	679	550	606	602	2 407	2 285	846	77	8 000
6 rooms	5 974	428	261	235	258	280	287	1 258	1 782	978	207	10 000
7 rooms or more	3 969	141	79	99	124	119	178	532	1 079	1 081	537	13 300
PERSONS												
1 person	4 545	2 211	665	525	323	203	209	230	104	60	15	2 100
2 persons	9 196	794	828	909	751	707	606	1 755	1 732	863	251	7 000
3 and 4 persons	9 131	192	216	238	296	513	648	2 460	2 775	1 416	377	10 000
5 persons	2 322	47	27	41	60	135	124	570	775	447	96	11 000
6 persons or more	1 620	23	38	55	73	63	105	445	452	269	97	10 100
Units with roomers, boarders, or lodgers	339	79	51	25	26	20	28	51	50	9	-	4 600
BEDROOMS												
Less than 3	12 607	2 570	1 398	1 339	933	917	1 023	2 478	1 385	488	76	5 100
3	12 126	430	423	387	511	618	410	2 992	3 842	2 132	381	10 400
4 or more	2 534	127	60	48	64	119	138	387	595	722	274	12 700
YEAR STRUCTURE BUILT												
1969 to March 1970	781	15	13	35	15	46	29	198	249	138	43	10 800
1960 to 1968	7 135	215	244	196	288	310	416	1 676	2 160	1 338	292	10 500
1950 to 1959	6 404	518	251	301	267	428	373	1 452	1 673	856	285	9 200
1949 or earlier	12 494	2 519	1 266	1 236	837	874	2 134	1 756	723	402	216	5 400
YEAR MOVED INTO UNIT												
1969 to March 1970	3 619	140	236	156	167	266	305	942	862	402	143	8 700
1968	2 322	132	103	96	150	111	212	550	514	351	103	8 900
1960 to 1967	10 240	851	460	588	528	599	659	2 269	2 575	1 385	326	8 900
1959 or earlier	10 623	2 212	932	956	649	630	578	1 906	1 906	879	297	5 900
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	19 736	1 209	828	817	890	1 186	1 225	4 608	5 204	3 058	711	9 400
Clothes dryer	12 614	450	329	260	266	687	693	2 814	3 894	2 548	673	11 000
Dishwasher	6 447	182	76	95	165	148	184	1 006	2 166	1 846	579	13 200
Home food freezer	9 707	506	391	438	456	426	517	2 213	2 634	1 790	336	9 900
Owned second home	1 828	38	103	43	99	114	100	317	508	425	81	11 000
With air conditioning	13 491	766	613	587	598	647	763	2 602	3 830	2 329	756	10 200
Room unit(s)	8 730	655	524	448	444	518	570	1 985	2 459	960	167	8 800
Central system	4 761	111	89	139	154	129	193	1 371	1 371	1 369	589	13 500
Automobiles available:												
1	12 164	1 326	1 117	1 221	1 048	994	1 041	2 602	2 084	585	146	6 400
2	10 078	205	111	173	292	504	606	2 468	3 314	1 896	509	11 000
3 or more	1 423	13	-	11	15	17	48	171	426	517	205	15 200
Renter occupied housing units	14 181	2 949	1 345	1 489	1 146	1 384	1 235	2 477	1 606	436	114	5 100
ROOMS												
1 room	394	179	47	37	32	26	11	37	25	-	-	2 400
2 rooms	1 442	622	171	227	110	83	70	107	35	-	17	2 600
3 rooms	3 631	1 072	493	454	359	326	239	358	220	98	12	3 600
4 rooms	4 659	706	424	481	341	608	457	940	531	129	42	5 600
5 rooms	2 576	254	180	161	229	237	297	698	430	76	14	6 800
6 rooms or more	1 479	116	30	129	75	104	161	337	365	133	29	8 100
PERSONS												
1 person	4 094	1 852	521	450	300	270	184	349	104	49	15	2 400
2 persons	4 371	574	484	565	378	404	379	761	593	181	52	5 300
3 and 4 persons	4 180	437	259	356	328	560	502	964	636	110	28	6 300
5 persons	800	62	48	36	84	95	82	177	155	46	15	6 900
6 persons or more	736	24	33	82	56	55	88	226	118	50	4	7 400
Units with roomers, boarders, or lodgers	568	312	65	69	46	10	16	32	13	-	5	2000-
BEDROOMS												
None	606	260	35	74	63	42	19	92	21	-	-	3 100
1	5 575	1 586	831	789	592	469	262	473	486	67	20	3 500
2	5 794	732	527	458	460	765	686	1 115	852	164	35	5 900
3 or more	2 048	156	130	206	120	98	210	512	388	162	66	7 600
YEAR STRUCTURE BUILT												
1969 to March 1970	782	171	27	35	44	81	93	122	139	51	19	6 400
1960 to 1968	2 739	323	248	273	206	209	270	532	426	199	53	6 400
1950 to 1959	2 011	222	133	193	130	211	184	514	346	64	14	6 600
1949 or earlier	8 649	2 233	937	988	766	883	688	1 309	695	122	28	4 200
YEAR MOVED INTO UNIT												
1969 to March 1970	7 901	1 706	763	931	633	793	687	1 251	857	244	36	4 900
1968	1 982	283	99	202	156	183	222	463	263	70	41	6 300
1960 to 1967	3 411	752	249	287	291	338	285	710	349	124	26	5 400
1959 or earlier	890	282	165	51	35	89	60	120	57	24	7	3 000
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied:	14 093	2 949	1 340	1 485	1 146	1 369	1 221	2 442	1 591	436	114	5 100
Less than 15 percent	3 274	11	5	42	87	200	294	1 036	1 105	385	109	9 900
15 to 19 percent	2 499	21	58	112	217	439	429	836	349	38	-	6 900
20 to 24 percent	1 940	62	92	349	337	372	272	389	59	8	-	5 300
25 to 34 percent	1 941	256	342	477	336	255	162	97	16	-	-	3 600
35 percent or more	3 725	2 240	808	422	144	62	34	15	-	-	-	2000-
Not computed	714	359	35	83	25	41	30	69	62	5	5	2 000
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	4 732	272	414	439	274	511	640	974	918	224	66	6 700
Clothes dryer	2 224	93	124	95	154	175	283	507	625	125	43	8 100
Dishwasher	969	100	34	43	40	109	133	85	220	78	7	7 900
Home food freezer	1 279	124	152	104	76	126	100	231	283	61	22	6 600
Owned second home	484	119	19	19	-	18	97	76	81	55	-	6 700
With air conditioning	4 715	602	325	402	348	396	443	1 093	735	308	63	6 600
Room unit(s)	2 763	301	202	227	236	315	266	663	426	107	20	6 400
Central system	1 952	301	123	175	112	81	177	430	309	201	43	7 000
Automobiles available:												
1	7 848	1 042	702	907	788	1 018	928	1 637	629	156	43	5 500
2	2 875	207	115	192	172	195	215	727	736	260	56	8 400
3 or more	390	62	34	19	6	26	20	66	111	40	6	8 300

*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]

Springfield	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
Owner occupied housing units	26 814	26 274	15 451	9 696	936	191	540	278	162	46	54
PERSONS											
1 person	4 545	4 349	4 329	20	-	-	196	182	14	-	-
2 persons	9 196	9 062	8 678	364	-	20	134	92	42	-	-
3 persons	4 644	4 561	1 954	2 595	4	8	83	4	67	-	12
4 persons	4 487	4 454	396	4 026	27	5	33	-	29	4	14
5 persons	2 322	2 288	94	1 960	215	19	34	-	5	15	28
6 persons or more	1 620	1 560	-	731	690	139	60	-	5	27	28
Median	2.5	2.5	1.9	4.0	6.0	7.5+	2.1	1.3	2.9	...	...
Units with roomers, boarders, or lodgers	339	321	159	131	31	-	18	-	9	4	5
YEAR STRUCTURE BUILT											
1969 to March 1970	747	747	372	360	15	-	-	-	-	-	-
1965 to 1968	3 306	3 299	1 444	1 736	111	8	7	-	-	7	-
1960 to 1964	3 855	3 837	1 701	2 014	88	34	18	-	18	-	-
1950 to 1959	6 253	6 197	3 474	2 482	229	12	56	25	25	6	-
1940 to 1949	3 157	3 062	1 952	943	140	27	95	43	28	17	7
1939 or earlier	9 486	9 123	6 527	2 150	334	112	363	187	115	23	38
INCOME IN 1969											
Less than \$2,000	3 267	3 019	2 775	216	10	18	248	208	30	-	10
\$2,000 to \$2,999	1 774	1 689	1 418	232	30	9	85	28	44	8	5
\$3,000 to \$3,999	1 768	1 728	1 425	238	57	8	40	5	24	6	5
\$4,000 to \$4,999	1 503	1 459	1 073	321	52	13	44	17	8	9	10
\$5,000 to \$5,999	1 621	1 587	925	576	75	11	34	5	4	5	20
\$6,000 to \$6,999	1 692	1 658	881	690	64	23	34	10	24	14	4
\$7,000 to \$9,999	5 460	5 427	2 329	2 699	332	67	33	5	69	14	4
\$10,000 to \$14,999	5 838	5 820	2 549	3 019	219	33	18	-	14	4	-
\$15,000 to \$24,999	3 055	3 051	1 546	1 413	87	5	4	-	4	-	-
\$25,000 or more	836	836	530	292	10	4	-	-	-	-	-
Median	\$8 000	\$8 100	\$6 100	\$9 900	\$8 600	\$7 600	\$2 300	\$2000-	\$3 300	...	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	24 610	24 172	14 160	8 959	867	186	438	236	123	41	38
Less than 1.5	8 893	8 733	3 949	4 126	555	103	160	39	76	22	23
1.5 to 1.9	4 803	4 723	2 307	2 226	150	40	80	33	22	15	10
2.0 to 2.4	3 237	3 181	1 859	1 230	82	10	56	50	6	-	-
2.5 to 2.9	1 913	1 892	1 232	632	25	3	21	12	5	4	-
3.0 to 3.9	1 808	1 768	1 373	359	32	4	40	40	-	-	-
4.0 or more	3 796	3 719	3 299	376	23	21	77	58	14	-	5
Not computed	160	156	141	10	-	5	4	4	-	-	-
HEATING EQUIPMENT											
Steam or hot water	773	768	552	199	13	4	5	5	-	-	-
Warm-air furnace	17 819	17 798	10 059	7 183	489	67	21	4	12	5	-
Built-in electric units	63	63	30	33	-	-	-	-	-	-	-
Floor, wall, or pipeless furnace	4 066	4 020	2 517	1 257	192	54	46	29	17	-	-
Other means	4 093	3 625	2 293	1 024	242	66	468	240	133	41	54
None	-	-	-	-	-	-	-	-	-	-	-
Renter occupied housing units	14 181	13 385	6 314	6 057	704	310	796	380	366	26	24
PERSONS											
1 person	4 094	3 580	3 457	123	-	-	514	349	165	-	-
2 persons	4 371	4 235	2 529	1 631	-	75	136	31	95	-	10
3 persons	2 567	2 469	300	2 064	105	-	98	-	93	5	-
4 persons	1 613	1 591	23	1 437	85	46	22	-	13	5	4
5 persons	800	796	5	572	183	36	4	-	-	4	-
6 persons or more	736	714	-	230	331	153	22	-	-	12	10
Median	2.2	2.2	1.4	3.1	5.4	5.4	1.3	1.0	1.7	...	...
Units with roomers, boarders, or lodgers	568	554	154	361	21	18	14	-	14	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	759	746	368	372	6	-	13	6	7	-	-
1965 to 1968	1 093	1 086	524	516	39	7	7	-	7	-	-
1960 to 1964	1 658	1 635	684	846	66	39	23	6	17	-	-
1950 to 1959	2 032	2 026	851	1 031	98	46	6	-	6	-	-
1940 to 1949	1 715	1 627	758	769	60	40	88	50	32	6	-
1939 or earlier	6 927	6 246	3 147	2 518	378	203	681	347	290	23	21
INCOME IN 1969											
Less than \$2,000	2 949	2 508	1 721	698	65	24	441	255	182	-	4
\$2,000 to \$2,999	1 345	1 247	684	481	39	43	98	53	45	-	4
\$3,000 to \$3,999	1 489	1 418	737	557	68	56	71	27	35	5	4
\$4,000 to \$4,999	1 146	1 084	436	545	66	37	62	19	22	9	12
\$5,000 to \$5,999	1 384	1 341	494	708	124	15	43	6	37	7	-
\$6,000 to \$6,999	1 235	1 203	473	608	86	36	32	-	25	7	-
\$7,000 to \$9,999	2 477	2 432	918	1 301	145	48	45	20	16	5	4
\$10,000 to \$14,999	1 606	1 606	603	890	68	45	-	-	-	-	-
\$15,000 to \$24,999	436	432	193	216	23	-	4	-	4	-	-
\$25,000 or more	114	114	55	53	-	6	-	-	-	-	-
Median	\$5 100	\$5 300	\$4 000	\$6 100	\$5 900	\$4 900	\$2000-	\$2000-	\$2 000	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	14 093	13 297	6 262	6 031	698	306	796	380	366	26	24
Less than 10 percent	950	894	352	443	63	36	56	15	29	8	4
10 to 14 percent	2 324	2 238	867	1 194	134	43	86	4	58	8	16
15 to 19 percent	2 499	2 408	867	1 322	142	69	91	32	54	5	-
20 to 24 percent	1 940	1 867	787	886	134	60	73	53	20	-	-
25 to 34 percent	1 941	1 819	874	821	79	45	122	56	57	5	4
35 percent or more	3 725	3 429	2 068	1 201	117	43	296	181	115	-	-
Not computed	714	642	439	164	29	10	72	39	33	-	-
HEATING EQUIPMENT											
Steam or hot water	930	893	524	317	33	19	37	5	28	-	4
Warm-air furnace	7 101	6 852	3 321	3 148	262	121	249	142	107	-	-
Built-in electric units	86	86	52	29	5	-	-	-	-	-	-
Floor, wall, or pipeless furnace	2 583	2 302	1 095	1 237	150	20	81	38	27	8	8
Other means	3 477	3 052	1 322	1 326	254	150	425	195	200	18	12
None	4	-	-	-	-	-	4	-	4	-	-

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

²Excludes one-family homes on 10 acres or more.

Table B-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.)

Springfield

	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	26 814	83	145	1 045	5 937	9 661	5 974	2 453	1 516	5.1
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	26 014	44	80	912	5 604	9 661	5 935	2 296	1 482	5.2
PERSONS										
1 person	4 545	34	101	495	1 592	1 402	597	215	109	4.5
2 persons	9 194	20	31	375	2 485	3 427	1 904	680	274	5.0
3 persons	4 644	20	4	115	883	1 664	1 312	442	204	5.3
4 persons	4 487	-	5	31	570	1 751	1 214	520	396	5.4
5 persons	2 322	5	4	24	230	873	605	325	256	5.5
6 persons or more	1 620	4	-	5	177	544	342	271	277	5.7
Median	2.5	...	1.2	1.6	2.1	2.5	2.9	3.3	3.9	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	26 274	57	78	922	5 723	9 589	5 954	2 445	1 506	5.2
0.50 or less	15 451	-	53	434	3 959	4 802	3 798	1 333	1 072	5.2
0.51 to 1.00	9 696	20	16	447	1 399	4 257	2 067	1 065	425	5.2
1.01 to 1.50	936	-	4	27	319	454	89	34	9	4.8
1.51 or more	191	37	5	14	46	76	13	-	-	4.4
Lacking some or all plumbing facilities	540	26	67	123	214	72	20	8	10	3.8
0.50 or less	278	-	48	61	118	27	15	4	5	3.8
0.51 to 1.00	162	14	15	43	54	31	-	-	5	3.7
1.01 to 1.50	46	-	4	4	29	4	5	4	-	...
1.51 or more	54	12	4	15	13	10	-	-	-	...
BEDROOMS										
None and 1	1 930	149	79	738	818	105	41	-	-	3.5
2	10 677	-	-	225	5 240	4 078	993	141	-	4.5
3	12 126	-	-	-	173	5 068	4 606	1 836	443	5.7
4 or more	2 534	-	-	-	-	45	394	942	1 153	7.4
YEAR STRUCTURE BUILT										
1969 to March 1970	781	-	-	35	134	196	216	127	73	5.6
1960 to 1968	7 135	4	12	138	928	2 884	1 948	736	485	5.4
1950 to 1959	6 404	10	24	114	1 341	2 390	1 618	663	244	5.2
1949 or earlier	12 494	69	109	758	3 534	4 191	2 192	927	714	4.9
COMPLETE BATHROOMS										
1 and 1 1/2	20 316	31	80	904	5 467	8 412	3 988	949	485	4.9
2 or more	5 742	13	-	15	151	1 256	1 963	1 347	997	6.2
None or also used by another household	746	15	96	160	269	134	40	20	12	3.9
VALUE-INCOME RATIO										
Specified owner occupied ¹	24 610	52	86	634	4 994	9 179	5 818	2 400	1 447	5.2
Less than 1.5	8 893	10	23	198	2 056	3 309	2 001	800	496	5.2
1.5 to 1.9	4 803	10	9	105	791	1 912	1 213	488	275	5.3
2.0 to 2.9	5 150	18	21	91	797	1 869	1 325	645	384	5.4
3.0 or more	5 604	14	33	225	1 313	2 010	1 259	467	283	5.1
Not computed	160	-	-	15	37	79	20	-	9	4.9
Renter occupied housing units	14 181	394	1 442	3 631	4 659	2 576	1 030	325	124	3.8
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	13 159	186	1 126	3 318	4 402	2 624	1 059	316	128	3.9
PERSONS										
1 person	4 094	288	927	1 664	867	276	48	19	5	3.0
2 persons	4 371	85	361	1 365	1 656	667	189	39	9	3.7
3 persons	2 567	-	110	444	1 103	610	196	94	10	4.2
4 persons	1 613	16	34	90	678	514	208	50	23	4.5
5 persons	800	5	-	31	187	296	206	55	20	5.1
6 persons or more	736	-	10	37	168	213	183	68	57	5.2
Median	2.2	1.2	1.3	1.6	2.4	3.1	3.9	3.7	5.3	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	13 385	219	1 165	3 428	4 531	2 563	1 030	325	124	3.9
0.50 or less	6 314	-	719	1 552	2 468	938	433	152	52	3.9
0.51 to 1.00	6 057	123	301	1 723	1 734	1 412	549	148	67	4.0
1.01 to 1.50	704	-	105	85	270	171	48	20	5	4.1
1.51 or more	310	96	40	68	59	42	-	5	-	2.8
Lacking some or all plumbing facilities	796	175	277	203	128	13	-	-	-	2.3
0.50 or less	380	-	208	112	55	5	-	-	-	2.4
0.51 to 1.00	366	165	60	86	47	8	-	-	-	1.8
1.01 to 1.50	26	-	5	5	16	-	-	-	-	...
1.51 or more	24	10	4	-	10	-	-	-	-	...
BEDROOMS										
None	606	446	140	20	-	-	-	-	-	1.2
1	5 575	-	1 170	3 596	688	121	-	-	-	2.9
2	5 794	-	-	246	3 961	1 308	239	40	-	4.2
3 or more	2 048	-	-	-	22	990	625	283	128	5.5
YEAR STRUCTURE BUILT										
1969 to March 1970	782	5	39	259	348	115	16	-	-	3.8
1960 to 1968	2 739	62	204	769	968	454	204	50	28	3.8
1950 to 1959	2 011	42	104	322	818	478	194	39	14	4.2
1949 or earlier	8 649	285	1 095	2 281	2 525	1 529	616	236	82	3.8
COMPLETE BATHROOMS										
1 and 1 1/2	12 783	210	1 164	3 309	4 338	2 545	921	237	59	3.9
2 or more	478	-	15	15	83	79	138	79	69	5.8
None or also used by another household	923	168	304	240	172	31	8	-	-	2.5
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	14 093	394	1 442	3 631	4 616	2 555	1 015	321	119	3.8
Less than 10 percent	950	45	91	247	308	151	60	27	21	3.8
10 to 14 percent	2 324	58	130	409	878	527	235	72	15	4.1
15 to 19 percent	2 499	68	214	501	766	624	231	61	34	4.1
20 to 24 percent	1 940	38	212	431	711	366	134	39	9	3.9
25 to 34 percent	1 941	62	218	584	561	319	156	41	-	3.7
35 percent or more	3 725	87	484	1 343	1 147	481	121	35	27	3.5
Not computed	714	36	93	116	245	87	78	46	13	4.0

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

²Excludes one-family homes on 10 acres or more.

Table 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]

Springfield	Owner occupied				Renter occupied							Mobile home or trailer
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	
All occupied housing units	26 814	25 054	850	910	14 181	7 297	1 622	1 391	1 118	1 252	1 271	230
ROOMS												
1 room	83	63	20	—	394	42	13	31	141	106	61	—
2 rooms	145	86	26	33	1 442	151	130	241	313	232	340	35
3 rooms	1 045	660	174	211	3 631	833	667	677	437	525	460	32
4 rooms	5 937	5 082	340	515	4 659	2 692	672	351	120	343	354	127
5 rooms	9 661	9 334	176	151	2 576	2 188	122	62	86	36	46	36
6 rooms	5 974	5 901	73	—	1 030	955	14	29	17	10	5	—
7 rooms	2 453	2 437	16	—	325	316	—	—	4	—	5	—
8 rooms or more	1 516	1 491	25	—	124	120	4	—	—	—	—	—
Median	5.1	5.2	4.1	3.9	3.8	4.5	3.5	3.1	2.7	3.0	3.0	3.9
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	26 274	24 590	793	891	13 385	7 052	1 541	1 239	902	1 166	1 260	225
0.50 or less	15 451	14 398	618	435	6 314	2 856	866	672	499	624	686	111
0.51 to 1.00	9 696	9 130	162	404	6 057	3 513	622	509	370	458	475	110
1.01 to 1.50	936	876	13	47	704	525	34	43	14	46	38	4
1.51 or more	191	186	—	5	310	158	19	15	19	38	61	—
Lacking some or all plumbing facilities	540	484	57	19	796	245	81	152	216	86	11	5
0.50 or less	278	247	31	—	380	105	58	71	82	53	6	5
0.51 to 1.00	162	131	22	9	366	118	19	67	124	33	5	—
1.01 to 1.50	46	41	—	5	26	12	4	10	—	—	—	—
1.51 or more	54	45	4	5	24	10	—	4	10	—	—	—
BEDROOMS												
None	168	152	16	—	406	55	41	93	129	197	91	—
1	1 762	1 210	353	199	5 575	1 320	692	1 145	828	738	818	34
2	10 677	9 830	278	569	5 794	4 068	732	132	105	313	309	135
3	12 126	11 905	124	97	1 642	1 354	108	20	78	—	—	80
4 or more	2 534	2 467	67	—	406	367	—	20	—	—	19	—
YEAR STRUCTURE BUILT												
1969 to March 1970	781	609	13	159	782	100	33	92	84	208	243	22
1965 to 1968	3 222	2 743	28	451	1 122	309	102	76	60	224	279	72
1960 to 1964	3 913	3 694	32	187	1 617	553	166	119	109	301	315	54
1950 to 1959	6 404	6 260	76	68	2 011	1 456	223	62	68	91	49	62
1940 to 1949	3 079	3 019	39	21	1 743	1 353	190	59	61	36	29	15
1939 or earlier	9 415	8 729	662	24	6 906	3 526	908	983	736	392	356	5
INCOME IN 1969												
Less than \$2,000	3 267	2 914	273	80	2 949	974	401	444	472	334	276	48
\$2,000 to \$2,999	1 774	1 565	139	70	1 345	595	185	203	124	96	131	11
\$3,000 to \$3,999	1 768	1 574	117	77	1 489	673	170	184	95	146	174	47
\$4,000 to \$4,999	1 503	1 360	60	83	1 146	538	141	113	72	147	122	13
\$5,000 to \$5,999	1 621	1 498	33	90	1 384	815	217	74	75	99	63	41
\$6,000 to \$6,999	1 692	1 563	36	93	1 235	765	126	83	92	57	95	17
\$7,000 to \$9,999	5 460	5 132	87	241	2 477	1 592	146	126	139	230	25	28
\$10,000 to \$14,999	5 838	5 609	68	161	1 606	1 070	105	109	51	143	100	28
\$15,000 to \$24,999	3 055	3 023	21	11	436	232	42	21	11	59	71	—
\$25,000 or more	836	816	16	4	114	43	16	14	—	32	9	—
Median	\$8 000	\$8 200	\$3 100	\$6 600	\$5 100	\$6 100	\$4 400	\$3 300	\$2 700	\$4 300	\$4 400	\$4 700
YEAR MOVED INTO UNIT												
1969 to March 1970	3 619	3 056	97	466	7 901	3 646	864	903	649	857	818	164
1968	2 322	2 144	32	146	1 982	1 097	305	111	145	130	174	20
1967	1 839	1 683	34	122	1 136	727	134	75	51	54	89	6
1965 and 1966	3 207	3 034	72	101	1 200	728	123	52	84	108	105	8
1960 to 1964	5 194	4 957	168	69	1 075	588	97	122	107	90	63	8
1950 to 1959	5 759	5 488	258	13	582	344	85	71	56	—	26	—
1949 or earlier	4 864	4 636	212	16	308	193	22	46	20	8	7	12
GROSS RENT												
Specified renter occupied ¹ .....	...	...	...	...	14 093	7 209	1 622	1 391	1 118	1 252	1 271	230
Less than \$50 .....	...	...	...	...	1 076	253	187	186	299	92	54	5
\$50 to \$59 .....	...	...	...	...	1 017	396	153	193	148	71	51	5
\$60 to \$69 .....	...	...	...	...	1 563	676	200	208	136	106	215	22
\$70 to \$79 .....	...	...	...	...	1 478	742	174	180	130	102	134	16
\$80 to \$99 .....	...	...	...	...	2 987	1 864	371	268	156	202	80	46
\$100 to \$119 .....	...	...	...	...	2 053	1 285	270	119	79	162	75	63
\$120 to \$149 .....	...	...	...	...	2 015	906	143	157	87	293	373	56
\$150 to \$199 .....	...	...	...	...	1 146	554	69	49	78	189	207	—
\$200 to \$299 .....	...	...	...	...	263	152	37	5	—	19	46	4
\$300 or more .....	...	...	...	...	21	11	—	—	—	—	10	—
No cash rent .....	...	...	...	...	474	370	18	26	5	16	26	13
Median .....	...	...	...	...	\$90	\$94	\$84	\$75	\$68	\$106	\$121	\$105
HEATING EQUIPMENT												
Steam or hot water	773	717	56	—	930	123	54	117	215	201	220	—
Warm-air furnace	17 819	16 637	480	702	7 101	2 790	874	839	592	890	984	132
Built-in electric units	63	45	—	18	86	44	5	9	—	19	—	—
Floor, wall, or pipeless furnace	4 066	3 816	129	121	2 583	1 860	325	139	122	49	25	63
Other means	4 093	3 839	185	69	3 477	2 480	364	287	176	93	42	35
None	—	—	—	—	4	—	—	—	4	—	—	—
AIR CONDITIONING												
Room unit(s)	8 730	8 150	219	361	2 763	1 536	334	217	194	218	191	73
Central system	4 761	4 577	71	113	1 952	274	99	169	110	598	690	12
None	13 313	12 271	583	459	9 469	5 513	1 197	994	808	431	401	125
AUTOMOBILES AVAILABLE												
1	12 164	11 184	444	536	7 848	4 260	909	614	546	638	734	147
2	10 078	9 615	126	337	2 875	1 819	218	203	112	238	254	31
3 or more	1 423	1 394	10	19	390	188	34	73	—	40	47	8
None	3 139	2 805	293	41	3 071	1 056	469	490	454	331	247	24

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

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

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

Springfield	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
Owner occupied housing units	26 814	718	3 433	3 825	7 980	3 440	537	214	1 482	640	1 691	2 854
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	26 274	713	3 394	3 802	7 855	3 363	517	191	1 458	632	1 646	2 703
0.50 or less	15 451	310	641	739	4 711	2 925	295	135	865	501	1 641	2 688
0.51 to 1.00	9 696	368	2 459	2 638	2 931	419	205	52	502	102	5	15
1.01 to 1.50	936	35	267	353	165	9	5	74	24	24	—	—
1.51 or more	191	—	27	72	48	10	12	—	17	5	—	—
Lacking some or all plumbing facilities	540	5	39	23	125	77	20	23	24	8	45	131
0.50 or less	278	—	—	5	19	48	6	—	14	4	36	146
0.51 to 1.00	162	5	—	9	75	24	14	11	10	—	9	5
1.01 to 1.50	46	—	29	5	12	—	—	—	—	—	—	—
1.51 or more	54	—	10	4	19	5	—	—	—	4	—	—
UNITS IN STRUCTURE												
1	25 054	497	3 214	3 732	7 711	3 276	517	197	1 364	606	1 459	2 481
2 or more	850	5	23	32	126	132	4	17	54	23	124	310
Mobile home or trailer	910	216	196	61	143	32	16	—	64	11	108	63
INCOME IN 1969												
Less than \$2,000	3 267	10	36	17	156	484	27	40	137	149	401	1 810
\$2,000 to \$2,999	1 774	16	21	27	206	596	34	27	118	64	217	448
\$3,000 to \$3,999	1 768	38	55	70	229	572	19	41	140	79	285	240
\$4,000 to \$4,999	1 503	53	77	78	253	399	29	16	212	63	222	101
\$5,000 to \$5,999	1 621	101	257	125	383	262	24	12	203	51	126	77
\$6,000 to \$6,999	1 692	86	284	183	469	211	74	18	128	30	149	60
\$7,000 to \$9,999	5 460	244	1 185	1 020	1 798	422	132	15	287	127	167	63
\$10,000 to \$14,999	5 838	149	1 128	1 482	2 374	270	105	21	168	37	88	16
\$15,000 to \$24,999	3 055	21	344	635	1 656	163	84	18	59	15	32	28
\$25,000 or more	836	—	46	188	456	61	9	6	30	25	4	11
Median	\$8 000	\$7 700	\$9 500	\$11 300	\$11 000	\$4 200	\$8 400	\$4 000	\$5 700	\$4 400	\$3 800	\$2000--
VALUE-INCOME RATIO												
Specified owner occupied ¹	24 610	488	3 180	3 704	7 548	3 187	508	179	1 336	606	1 435	2 439
Less than 1.5	8 893	252	1 212	1 698	3 984	634	189	53	369	182	213	107
1.5 to 1.9	4 803	123	897	990	1 663	429	126	24	181	76	174	120
2.0 to 2.4	3 237	56	597	494	845	417	63	26	228	85	221	205
2.5 to 2.9	1 913	37	260	242	410	389	64	9	132	57	173	140
3.0 to 3.9	1 808	15	115	177	277	471	15	28	153	43	153	361
4.0 or more	3 796	5	95	103	350	843	51	39	259	151	433	1 467
Not computed	160	—	4	—	19	4	—	—	14	12	68	39
Renter occupied housing units	14 181	2 235	2 337	975	1 432	537	555	89	1 716	211	2 466	1 628
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	13 385	2 175	2 301	942	1 380	510	533	84	1 684	196	2 157	1 433
0.50 or less	6 314	602	401	112	578	347	153	44	524	96	2 062	1 395
0.51 to 1.00	6 057	1 429	1 594	594	696	153	340	34	999	95	95	28
1.01 to 1.50	704	80	226	187	71	5	21	6	108	—	—	—
1.51 or more	310	64	80	49	35	5	19	—	53	5	—	—
Lacking some or all plumbing facilities	796	60	36	33	52	27	22	5	32	15	309	295
0.50 or less	380	—	6	—	10	5	—	—	10	199	150	150
0.51 to 1.00	366	46	21	18	38	18	22	5	28	5	110	55
1.01 to 1.50	26	10	3	9	—	—	—	—	4	—	—	—
1.51 or more	24	4	6	6	4	4	—	—	—	—	—	—
UNITS IN STRUCTURE												
1	7 297	1 007	1 710	841	1 040	333	180	23	968	123	582	490
2 to 4	3 013	519	297	75	172	107	142	25	413	50	676	537
5 to 19	2 370	416	169	29	145	57	99	36	181	34	760	444
20 or more	1 271	220	133	10	75	33	123	5	122	4	394	152
Mobile home or trailer	230	73	28	20	—	7	11	—	32	—	54	5
GROSS RENT												
Specified renter occupied ²	14 093	2 220	2 318	961	1 412	533	549	89	1 711	211	2 461	1 628
Less than \$50	1 076	59	24	17	36	42	9	—	56	10	405	418
\$50 to \$59	1 017	116	68	33	37	22	47	16	81	43	300	254
\$60 to \$69	1 563	218	153	70	140	65	37	4	172	29	381	294
\$70 to \$79	1 478	318	183	88	85	98	60	11	203	26	246	160
\$80 to \$89	2 987	641	630	191	321	115	98	18	419	35	351	168
\$90 to \$119	2 053	391	472	200	234	52	51	15	258	11	266	103
\$120 to \$149	2 015	369	455	114	189	33	138	5	288	13	310	101
\$150 to \$199	1 146	58	278	142	188	29	104	15	187	12	99	34
\$200 to \$299	263	15	24	71	57	19	5	—	33	5	29	5
\$300 or more	21	—	—	6	10	—	—	—	—	—	—	—
No cash rent	474	35	31	29	115	58	—	—	14	27	74	86
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	14 093	2 220	2 318	961	1 412	533	549	89	1 711	211	2 461	1 628
Less than \$5,000	6 920	985	388	164	271	337	320	54	1 106	172	1 620	1 503
Less than 20 percent	553	83	35	42	26	35	19	10	29	—	226	48
20 to 24 percent	840	190	65	41	42	41	4	—	121	16	241	79
25 to 34 percent	1 411	273	137	38	49	98	37	—	193	37	276	273
35 percent or more	3 614	417	146	43	130	117	236	39	698	92	701	993
Not computed	502	22	5	—	24	46	24	5	65	27	176	108
\$5,000 to \$9,999	5 032	1 015	1 273	441	629	125	163	25	524	39	698	100
Less than 20 percent	3 234	650	859	251	420	93	82	20	309	34	460	56
20 to 24 percent	1 033	236	280	102	116	16	36	5	99	—	128	15
25 to 34 percent	514	89	101	59	38	—	35	—	97	—	81	14
35 percent or more	111	16	13	10	10	4	—	—	19	5	20	4
Not computed	140	24	20	19	45	12	—	—	—	—	9	11
\$10,000 to \$14,999	1 591	199	542	264	341	43	31	10	57	—	100	4
Less than 20 percent	1 454	199	519	231	270	39	31	10	57	—	94	4
20 to 24 percent	59	—	12	28	15	4	—	—	—	—	—	—
25 percent or more	16	—	5	—	5	—	—	—	—	—	6	—
Not computed	62	—	6	5	5	—	—	—	—	—	—	—
\$15,000 or more	550	21	115	92	171	28	35	—	24	—	43	21
Less than 20 percent	532	21	115	87	158	28	35	—	24	—	43	21
20 to 24 percent	8	—	—	—	8	—	—	—	—	—	—	—
25 percent or more	—	—	—	—	—	—	—	—	—	—	—	—
Not computed	10	—	—	5	5	—	—	—	—	—	—	—

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

²Excludes one-family homes on 10 acres or more.

Table B—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)

Springfield	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	26 814	4 545	9 196	4 644	4 487	2 322	1 063	317	240	2.5
BEDROOMS										
None and 1	1 930	1 049	622	137	43	41	—	38	—	1.4
2	10 677	2 598	4 838	1 906	723	313	180	39	80	2.1
3	12 126	840	3 243	2 492	3 306	1 394	649	93	109	3.3
4 or more	2 534	238	399	325	376	481	370	200	145	4.3
YEAR STRUCTURE BUILT										
1969 to March 1970	781	61	245	163	188	97	18	9	—	3.0
1965 to 1968	3 222	142	804	758	893	425	155	36	9	3.4
1960 to 1964	3 913	245	1 016	819	1 038	492	223	59	21	3.3
1950 to 1959	6 404	771	2 244	1 156	1 236	597	266	80	54	2.7
1940 to 1949	3 079	667	1 162	553	353	182	116	11	35	2.3
1939 or earlier	9 415	2 659	3 725	1 593	779	529	285	122	121	2.0
UNITS IN STRUCTURE										
1	25 054	3 940	8 552	4 343	4 373	2 268	1 031	312	235	2.5
2 or more	850	434	274	81	36	12	8	—	5	1.5
Mobile home or trailer	910	171	370	220	78	42	24	5	—	2.3
COMPLETE BATHROOMS										
1 and 1 1/2	20 316	3 898	7 615	3 239	3 016	1 541	703	166	138	2.3
2 and 2 1/2	5 254	358	1 352	1 191	1 242	686	266	117	42	3.3
3 or more	488	8	86	80	162	81	29	35	7	3.9
None or also used by another household	746	242	202	106	73	42	46	5	30	2.1
HOUSEHOLD COMPOSITION										
Two-or-more-person households	22 269	...	9 196	4 644	4 487	2 322	1 063	317	240	2.9
Male head, wife present, no nonrelatives	19 396	...	7 644	3 994	4 168	2 146	934	291	219	3.0
Under 25 years	718	...	267	265	153	29	—	4	—	2.8
25 to 34 years	3 433	...	369	742	1 400	619	213	61	29	3.9
35 to 44 years	3 825	...	316	587	1 318	912	461	134	97	4.3
45 to 64 years	7 980	...	3 774	2 004	1 222	549	251	92	88	2.6
65 years and over	3 440	...	2 918	396	75	37	9	—	5	2.1
Other male head	751	...	330	180	126	51	48	4	12	2.8
Under 65 years	537	...	233	102	92	51	43	4	12	2.8
65 years and over	214	...	97	78	34	—	5	—	—	2.6
Female head	2 122	...	1 222	470	193	125	81	22	9	2.4
Under 65 years	1 482	...	738	380	164	116	57	18	9	2.5
65 years and over	640	...	484	90	29	9	24	4	—	2.2
One-person households	4 545	4 545	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied¹	24 610	3 874	8 397	4 239	4 316	2 238	1 009	312	225	2.5
Less than 1.5	8 893	320	2 920	1 912	1 913	986	504	176	162	3.1
1.5 to 1.9	4 803	294	1 570	958	1 133	542	199	66	41	3.1
2.0 to 2.4	3 237	426	1 127	557	583	383	130	26	5	2.6
2.5 to 2.9	1 913	313	700	326	322	151	77	24	—	2.4
3.0 to 3.9	1 808	514	736	225	174	88	55	16	—	2.0
4.0 or more	3 796	1 900	1 306	255	187	88	44	4	12	1.5
Not computed	160	107	38	6	4	—	—	—	5	1.2
Renter occupied housing units	14 181	4 094	4 371	2 567	1 613	800	424	178	134	2.2
BEDROOMS										
None	606	490	95	—	21	—	—	—	—	1.1
1	5 575	2 702	2 047	612	134	43	18	19	—	1.5
2	5 794	780	1 991	1 418	1 058	335	138	36	38	2.6
3 or more	2 048	40	251	531	357	461	219	110	79	4.1
YEAR STRUCTURE BUILT										
1969 to March 1970	782	215	269	183	80	25	10	—	—	2.2
1965 to 1968	1 122	233	490	198	128	67	6	—	—	2.2
1960 to 1964	1 617	345	627	329	206	66	28	11	5	2.2
1950 to 1959	2 011	369	611	480	288	186	51	26	—	2.6
1940 to 1949	1 743	426	518	350	260	92	54	28	15	2.4
1939 or earlier	6 906	2 506	1 856	1 027	651	364	275	113	114	2.0
UNITS IN STRUCTURE										
1	7 297	1 072	1 919	1 641	1 290	697	390	161	127	2.9
2	1 622	616	592	295	62	24	20	6	7	1.8
3 and 4	1 391	597	515	194	56	4	4	—	—	1.7
5 to 9	1 118	619	344	80	56	9	10	—	—	1.4
10 to 19	1 252	585	437	144	48	32	—	6	—	1.6
20 or more	1 271	546	497	155	68	5	—	—	—	1.7
Mobile home or trailer	230	59	67	58	33	13	—	—	—	2.3
COMPLETE BATHROOMS										
1 and 1 1/2	12 783	3 460	4 073	2 364	1 535	713	384	155	99	2.2
2 or more	478	83	105	71	70	68	29	14	38	3.2
None or also used by another household	923	591	158	122	19	—	18	7	8	1.3
HOUSEHOLD COMPOSITION										
Two-or-more-person households	10 087	...	4 371	2 567	1 613	800	424	178	134	2.8
Male head, wife present, no nonrelatives	7 516	...	3 059	1 917	1 255	658	359	147	121	2.9
Under 25 years	2 235	...	1 257	680	254	40	4	—	—	2.4
25 to 34 years	2 337	...	544	621	623	361	127	38	23	3.5
35 to 44 years	975	...	113	173	223	157	160	83	66	4.4
45 to 64 years	1 432	...	676	385	155	100	63	26	27	2.6
65 years and over	537	...	469	58	—	5	5	—	5	2.1
Other male head	644	...	379	178	67	5	10	5	—	2.3
Under 65 years	555	...	309	169	9	5	10	5	—	2.4
65 years and over	89	...	70	—	10	—	—	—	—	—
Female head	1 927	...	933	472	291	137	55	26	13	2.6
Under 65 years	1 716	...	761	449	286	132	55	20	13	2.7
65 years and over	211	...	172	23	5	5	—	6	—	2.1
One-person households	4 094	4 094	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied²	14 093	4 089	4 338	2 541	1 604	800	413	174	134	2.2
Less than 10 percent	950	161	393	175	102	44	35	15	25	2.3
10 to 14 percent	2 324	319	790	556	296	176	122	37	28	2.6
15 to 19 percent	2 499	472	735	514	415	191	103	39	30	2.6
20 to 24 percent	1 940	463	599	348	307	116	60	29	18	2.3
25 to 34 percent	1 941	650	550	368	183	107	45	28	10	2.1
35 percent or more	3 725	1 720	1 048	484	264	137	43	11	18	1.6
Not computed	714	304	223	96	37	29	5	15	5	1.7

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

²Excludes one-family homes on 10 acres or more.

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

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

Springfield					Springfield				
	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	409	210	94	105	Vacant for rent	1 203	859	257	87
ROOMS					ROOMS				
1 to 3 rooms	29	4	9	16	1 room	64	55	9	-
4 rooms	81	39	11	31	2 rooms	106	89	9	8
5 rooms	107	55	24	28	3 rooms	323	212	71	40
6 rooms	100	63	21	16	4 rooms	526	363	139	24
7 rooms or more	92	49	29	14	5 rooms	132	101	21	10
PLUMBING FACILITIES					6 rooms	30	22	8	-
With all plumbing facilities	401	206	94	101	7 rooms or more	22	17	-	5
Lacking some or all plumbing facilities	8	4	-	4	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	1 096	782	227	87
None and 1	58	-	20	38	Lacking some or all plumbing facilities	107	77	30	-
2	154	81	20	53	BEDROOMS				
3	137	83	-	54	None	38	38	-	-
4 or more	53	53	-	-	1	592	477	71	44
YEAR STRUCTURE BUILT					2	503	287	195	21
1949 to March 1970	118	87	25	6	3 or more	90	30	20	40
1940 to 1948	40	20	6	14	YEAR STRUCTURE BUILT				
1950 to 1959	56	42	4	10	1969 to March 1970	228	140	88	-
1949 or earlier	195	61	59	75	1960 to 1968	272	201	24	47
UNITS IN STRUCTURE					1950 to 1959	75	53	16	6
1	391	200	94	97	1949 or earlier	628	465	129	34
2 or more	18	10	-	8	UNITS IN STRUCTURE				
HEATING EQUIPMENT					1	379	257	95	27
Steam or hot water	13	6	7	-	2 to 4	203	139	49	15
Warm-air furnace	277	178	48	51	5 to 9	169	137	22	10
Built-in electric units	-	-	-	-	10 to 19	255	172	69	14
Floor, wall, or pipeless furnace	52	8	22	22	20 or more	197	154	22	21
Other means	63	14	17	32	RENT ASKED				
None	4	4	-	-	Specified vacant for rent?	1 194	850	257	87
SALES PRICE ASKED					Less than \$50	196	144	43	9
Specified vacant for sale?	381	194	94	93	\$50 to \$59	101	84	8	9
Less than \$5,000	27	4	5	18	\$60 to \$79	248	166	68	14
\$5,000 to \$9,999	83	22	25	36	\$80 to \$99	126	84	30	12
\$10,000 to \$14,999	56	38	14	4	\$100 to \$119	116	79	15	22
\$15,000 to \$19,999	72	45	16	11	\$120 to \$149	233	185	48	12
\$20,000 to \$24,999	47	36	11	21	\$150 to \$199	153	87	45	21
\$25,000 to \$34,999	76	32	23	21	\$200 or more	21	21	-	-
\$35,000 to \$49,999	20	17	-	3	Median rent asked	\$88	\$87	\$86	...
\$50,000 or more	-	-	-	-					
Median price asked	\$16 700	\$18 700	...	...			

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

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

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

Springfield	Sales price asked - Vacant for sale ¹							Rent asked - Vacant for rent ²						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	381	110	56	72	47	76	20	1 194	297	248	126	349	153	21
PLUMBING FACILITIES														
With all plumbing facilities	371	96	61	54	31	76	53	1 100	295	226	138	283	134	24
Lacking some or all plumbing facilities	-	-	-	-	-	-	-	123	60	20	19	24	-	-
BEDROOMS														
None and 1	58	58	-	-	-	-	-	630	239	191	47	129	-	24
2	123	19	41	-	31	32	-	503	77	55	110	142	119	-
3	137	19	20	54	-	44	-	69	39	-	-	15	15	-
4 or more	53	-	-	-	-	-	-	21	-	-	-	21	-	-
YEAR STRUCTURE BUILT														
1969 to March 1970	112	-	13	39	19	35	6	228	4	4	-	121	86	13
1960 to 1968	40	5	6	-	8	15	6	272	18	38	29	151	36	-
1950 to 1959	56	8	18	4	9	12	5	75	5	26	17	27	-	-
1949 or earlier	173	97	19	29	11	14	3	619	270	180	80	50	31	8
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	370	118	117	57	57	21	-
2 to 4 .....	...	...	...	...	...	...	...	203	82	40	19	40	17	5
5 to 19 .....	...	...	...	...	...	...	...	424	93	71	40	171	41	8
20 or more .....	...	...	...	...	...	...	...	197	4	20	10	81	74	8
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	485	138	86	35	133	77	16
Some or no utilities included .....	...	...	...	...	...	...	...	709	159	162	91	216	76	5

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

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

GENERAL	App-2
Self-enumeration and census questionnaire	App-2
Comparability with 1960 data ..	App-2
LIVING QUARTERS	App-3
Housing units	App-3
Group quarters	App-3
Rules for mobile homes, hotels, rooming houses, etc.	App-3
Institutions	App-4
OCCUPANCY AND VACANCY CHARACTERISTICS	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
UTILIZATION CHARACTERISTICS	App-5
Persons	App-5
Rooms	App-5
Persons per room	App-5
Bedrooms	App-5
STRUCTURAL AND PLUMBING CHARACTERISTICS	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
EQUIPMENT, FUELS, AND APPLIANCES	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
FINANCIAL CHARACTERISTICS	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

HOUSEHOLD CHARACTERISTICS	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

FACSIMILES	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.)

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

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

APPENDIX B—Continued

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

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

15 and 5 percent

15 percent

APPENDIX B—Continued

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

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

15 and 5 percent

5 percent

APPENDIX B—Continued

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

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

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

Appendix C.—ACCURACY OF THE DATA

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

SOURCES OF ERROR

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

EDITING OF UNACCEPTABLE DATA

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

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

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

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

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

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

SAMPLE DESIGN

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

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

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

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

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

TABLE A. Sample Rate for Subjects Included in This Report

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

RATIO ESTIMATION

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

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

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

Group

Occupied housing units:

STAGE I

Male Head With Own Children Under 18

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

.
.

- 6 6-or-more-person household

Male Head Without Own Children Under 18

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

Female Head

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

STAGE II

Owner Occupied

- 19 Negro
- 20 Not Negro

Renter Occupied

- 21 Negro
- 22 Not Negro

Vacant housing units:

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

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

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

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

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

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

SAMPLING VARIABILITY

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

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

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

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

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

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

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

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

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

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

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

APPENDIX C—Continued

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

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

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

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

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

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

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

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

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

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

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

TABLE D. Factor to be Applied to Standard Errors

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

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

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

Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

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

Housing Census Reports

Volume I.

HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

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

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

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

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

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

Volume II. **METROPOLITAN HOUSING CHARACTERISTICS**

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

Volume III.

BLOCK STATISTICS

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

Volume IV.

COMPONENTS OF INVENTORY CHANGE

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

Volume V.

RESIDENTIAL FINANCE

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

Volume VI.

ESTIMATES OF "SUBSTANDARD" HOUSING

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

Volume VII.

SUBJECT REPORTS

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

Population Census Reports

Volume I.

CHARACTERISTICS OF THE POPULATION

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

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

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

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

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

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

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

■ 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.

A UNITED STATES
DEPARTMENT OF
COMMERCE
PUBLICATION



Metropolitan Housing Characteristics

SPRINGFIELD, OHIO
STANDARD METROPOLITAN STATISTICAL AREA

HC(2)-210

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. Siye 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 Doleck, 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)-210
Springfield, Ohio, 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

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

¹Vacant units tabulated by plumbing facilities only.

INTRODUCTION

APPENDIXES

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

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

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

Springfield, Ohio

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 210]

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	—	—
Springfield	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

NOTE

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

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

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

The SMSA	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied¹	28 037	642	1 312	2 253	3 462	4 107	8 005	4 028	3 107	909	212	16 400
ROOMS												
1 and 2 rooms	71	9	8	10	12	12	10	10	-	-	-	...
3 rooms	185	41	62	8	10	31	18	6	9	-	-	7 100
4 rooms	2 697	194	185	319	648	572	589	142	28	20	-	12 500
5 rooms	10 235	187	558	911	1 260	1 861	3 628	1 280	478	63	9	15 400
6 rooms	8 667	120	308	614	968	1 159	2 543	1 606	1 186	146	17	17 500
7 rooms	3 817	60	118	269	370	298	852	637	915	276	22	19 700
8 rooms or more	2 365	31	73	122	194	174	365	347	491	404	164	23 200
Median	5.6	4.9	5.2	5.4	5.3	5.3	5.4	5.9	6.4	7.3	7.5+	...
PERSONS												
1 person	2 982	149	251	510	477	522	614	295	126	28	10	13 000
2 persons	7 974	273	441	617	1 166	1 126	2 250	1 021	746	261	73	15 700
3 persons	5 185	72	213	369	614	736	1 521	783	661	180	36	17 000
4 persons	5 285	36	134	302	433	705	1 784	903	753	201	34	18 100
5 persons	3 463	46	116	194	395	549	966	568	465	128	36	17 200
6 persons or more	3 148	66	157	261	377	469	870	458	356	111	23	16 300
Median	3.1	2.1	2.4	2.5	2.6	3.1	3.2	3.4	3.5	3.4	3.1	...
Units with roomers, boarders, or lodgers	375	26	32	57	80	31	72	42	30	5	-	12 300
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	27 397	418	1 165	2 154	3 414	4 050	7 966	4 011	3 103	904	212	16 500
0.50 or less	13 760	316	671	1 234	1 886	1 889	3 543	1 893	1 565	596	167	16 200
0.51 to 1.00	12 126	83	367	747	1 322	1 861	3 966	1 950	1 487	303	40	17 200
1.01 to 1.50	1 319	11	102	143	189	261	405	152	51	5	5	14 600
1.51 or more	192	8	25	30	17	39	52	16	-	-	-	13 500
Leaking some or all plumbing facilities	640	224	147	87	70	48	57	39	17	4	5	6 600
0.50 or less	393	112	87	70	52	28	10	-	-	-	-	7 400
0.51 to 1.00	160	52	48	20	19	5	5	7	4	-	-	6 500
1.01 to 1.50	67	44	8	9	-	-	6	-	-	-	-	...
1.51 or more	20	16	4	-	-	-	-	-	-	-	-	...
BEDROOMS												
None and 1	598	92	87	89	114	69	81	46	20	-	-	10 700
2	7 695	407	655	946	1 571	1 388	1 891	413	313	111	-	13 000
3	16 709	285	531	1 025	1 657	2 434	5 336	2 751	2 140	485	65	17 400
4 or more	3 346	40	86	156	207	216	900	549	612	461	119	20 600
YEAR STRUCTURE BUILT												
1969 to March 1970	719	-	-	-	5	12	225	187	212	78	-	23 100
1965 to 1968	3 047	11	10	12	53	102	946	780	865	246	22	22 500
1960 to 1964	3 793	32	15	11	123	486	1 604	817	521	144	40	18 900
1950 to 1959	7 403	60	104	216	848	1 262	2 312	1 316	985	252	48	17 600
1940 to 1949	3 335	60	195	317	522	606	957	377	207	78	16	14 900
1939 or earlier	9 740	479	988	1 697	1 911	1 639	1 961	551	317	111	86	12 200
COMPLETE BATHROOMS												
1 and 1 1/2	23 221	397	1 109	2 020	3 232	3 912	7 347	3 348	1 610	220	26	15 600
2 and 2 1/2	3 759	5	9	71	134	157	485	735	1 485	557	121	26 900
3 or more	232	-	-	8	-	6	6	21	52	72	67	39 800
None or also used by another household	754	197	182	158	53	79	44	28	6	7	-	7 500
HOUSEHOLD COMPOSITION												
Two-or-more-person households	25 055	493	1 061	1 743	2 985	3 585	7 391	3 733	2 981	881	202	16 800
Male head, wife present, no nonrelatives	22 441	377	800	1 389	2 625	3 200	6 723	3 492	2 806	852	177	17 100
Under 25 years	600	19	4	10	67	110	282	70	32	6	-	16 900
25 to 34 years	4 534	42	19	178	375	783	1 652	799	534	100	-	17 800
35 to 44 years	5 263	49	158	305	482	710	1 516	932	809	255	47	18 000
45 to 64 years	9 521	157	383	632	1 271	1 213	2 726	1 427	1 234	388	90	16 900
65 years and over	2 523	110	184	264	430	384	547	264	197	103	40	14 300
Other male head	616	41	60	78	76	109	138	44	31	24	15	13 700
Under 65 years	459	25	9	58	62	94	106	35	31	24	15	14 500
65 years and over	157	16	51	20	14	15	32	9	-	-	-	8 900
Female head	1 998	176	201	276	284	276	530	197	144	5	10	14 000
Under 65 years	1 441	37	111	176	177	246	424	158	108	-	4	14 700
65 years and over	557	38	90	100	107	30	106	39	36	5	6	11 200
One-person households	2 982	149	251	510	477	522	614	295	126	28	10	13 000
Under 65 years	1 300	45	114	192	213	232	286	137	76	5	-	13 400
65 years and over	1 682	104	137	318	264	290	328	158	50	23	10	12 700
INCOME IN 1969												
Less than \$2,000	1 870	173	252	328	260	277	329	184	47	15	5	11 800
\$2,000 to \$2,999	948	75	132	175	141	106	178	88	43	10	-	11 600
\$3,000 to \$3,999	907	62	96	120	148	199	184	58	25	10	5	12 800
\$4,000 to \$4,999	1 050	46	72	123	283	200	204	73	34	15	-	12 500
\$5,000 to \$5,999	988	34	61	154	194	171	239	79	45	5	6	13 200
\$6,000 to \$6,999	1 196	23	122	148	196	207	308	124	62	-	6	13 800
\$7,000 to \$9,999	6 130	119	302	507	1 007	1 088	1 978	653	402	74	-	15 100
\$10,000 to \$14,999	9 011	58	212	539	939	1 346	3 152	1 036	1 64	10	17	17 100
\$15,000 to \$24,999	4 953	34	56	131	267	468	1 365	1 048	1 189	350	45	20 700
\$25,000 or more	984	8	7	28	27	45	68	176	224	266	135	30 900
Median	\$10 500	\$4 200	\$6 400	\$7 500	\$8 500	\$9 500	\$10 900	\$12 400	\$14 300	\$19 600	\$35 400	...
YEAR MOVED INTO UNIT												
1969 to March 1970	2 944	14	59	127	274	354	924	576	468	134	14	18 600
1968	2 458	25	38	79	173	345	728	518	447	93	12	18 800
1967	1 749	7	22	87	158	184	604	285	294	108	-	18 500
1965 and 1966	3 909	55	136	290	318	481	1 264	637	579	134	15	17 700
1960 to 1964	5 678	116	195	263	597	1 068	1 814	907	527	124	67	16 700
1950 to 1959	6 766	125	439	659	930	1 111	1 670	902	691	191	48	15 400
1949 or earlier	4 462	257	411	752	969	611	878	307	147	72	58	12 100
HEATING EQUIPMENT												
Steam or hot water	1 343	14	52	97	107	97	306	182	267	170	51	20 000
Warm-air furnace	22 925	165	570	1 573	2 629	3 458	7 248	3 724	2 701	701	156	17 100
Built-in electric units	219	-	6	5	13	19	18	48	82	28	-	25 100
Floor, wall, or pipeless furnace	1 580	71	140	212	440	350	305	30	27	5	-	12 100
Other means	1 965	392	539	366	273	183	128	44	30	5	5	7 900
None	5	-	5	-	-	-	-	-	-	-	-	...
AIR CONDITIONING												
Room unit(s)	4 529	25	111	253	516	687	1 513	734	504	152	34	17 500
Central system	2 363	7	30	25	81	115	433	499	716	335	122	24 900
None	21 074	567	1 159	1 979	2 822	3 352	5 936	2 899	1 933	369	58	15 500

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

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

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

The SMSA	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied ¹	14 760	747	622	1 242	1 431	3 725	2 882	2 065	1 047	207	44	748	96
ROOMS													
1 room	323	197	20	38	33	6	—	6	—	—	—	23	50—
2 rooms	604	160	101	91	56	72	42	63	4	—	—	15	64
3 rooms	2 730	217	163	438	412	833	319	188	81	17	7	55	82
4 rooms	3 631	83	192	311	373	948	748	573	243	52	5	103	97
5 rooms	4 131	71	117	247	438	1 158	945	523	353	50	—	229	99
6 rooms	2 222	15	18	73	94	510	620	442	228	36	6	180	110
7 rooms	737	—	4	15	25	168	159	174	68	23	26	73	115
8 rooms or more	382	4	5	29	—	30	49	96	70	29	—	70	132
Median	4.5	2.6	3.6	3.7	4.1	4.5	4.9	4.9	5.1	5.2	...	5.3	...
PERSONS													
1 person	3 648	574	317	480	453	791	358	302	97	37	13	226	78
2 persons	4 059	90	195	399	430	1 083	822	512	291	40	7	190	95
3 persons	2 695	30	46	176	221	758	606	449	218	48	5	138	102
4 persons	1 933	23	26	94	162	501	537	302	147	57	—	84	104
5 persons	1 145	12	15	38	94	252	279	235	153	15	—	52	110
6 persons or more	1 280	18	23	55	71	340	279	235	153	15	—	52	110
Median	2.4	1.2	1.5	1.9	2.1	2.5	2.9	3.0	3.1	3.1	...	2.3	...
Units with roomers, boarders, or lodgers	301	20	15	28	25	68	57	40	36	12	—	—	98
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	13 894	452	520	1 136	1 345	3 595	2 859	2 040	1 042	203	44	658	98
0.50 or less	6 637	343	367	614	673	1 599	1 208	867	401	125	18	422	94
0.51 to 1.00	6 154	97	114	441	560	1 680	1 391	1 004	584	68	12	203	101
1.01 to 1.50	893	6	27	53	88	267	229	124	42	10	14	33	99
1.51 or more	210	6	12	28	24	49	31	45	15	—	—	—	96
Lacking some or all plumbing facilities	866	295	102	106	86	130	23	25	5	4	—	90	59
0.50 or less	340	100	69	50	34	37	4	9	5	—	—	32	58
0.51 to 1.00	422	169	23	46	37	76	19	—	—	4	—	48	58
1.01 to 1.50	68	—	10	10	15	17	—	11	—	—	—	5	—
1.51 or more	36	26	—	—	—	—	—	5	—	—	—	5	—
BEDROOMS													
None	359	170	22	22	60	18	23	21	—	—	—	23	...
1	4 136	359	336	670	497	1 307	545	265	143	—	—	14	83
2	5 923	79	135	403	583	1 569	1 472	1 035	328	21	20	278	101
3 or more	4 298	38	61	282	139	898	1 146	766	498	137	44	289	110
YEAR STRUCTURE BUILT													
1969 to March 1970	269	86	6	5	19	11	32	43	45	12	6	4	103
1965 to 1968	1 130	139	41	24	—	48	157	283	291	117	12	18	136
1960 to 1964	896	19	10	15	48	89	179	274	219	22	—	21	128
1950 to 1959	1 271	11	46	46	72	289	261	262	176	4	5	99	109
1940 to 1949	1 924	45	52	152	217	521	520	253	34	14	8	108	97
1939 or earlier	9 270	447	467	1 000	1 075	2 767	1 733	950	282	38	13	498	90
ELEVATOR IN STRUCTURE													
4 floors or more	357	211	40	—	42	—	—	44	—	—	20	—	...
With elevator	291	145	40	—	42	—	—	44	—	—	20	—	...
Walk-up	66	66	—	—	—	—	—	—	—	—	—	—	...
1 to 3 floors	14 359	435	514	1 377	1 237	3 792	3 186	2 043	969	158	44	604	98
COMPLETE BATHROOMS													
1 and 1/2	13 377	479	524	1 069	1 283	3 498	2 737	2 002	1 001	142	17	625	97
2 or more	414	11	5	15	14	11	40	69	80	73	15	81	151
None or also used by another household	997	270	103	93	171	170	56	31	7	4	—	92	69
INCOME IN 1969													
Less than \$2,000	2 501	421	230	349	238	541	349	131	37	25	5	175	77
\$2,000 to \$2,999	1 146	104	114	131	163	270	147	83	34	15	—	85	82
\$3,000 to \$3,999	1 101	31	53	146	184	300	172	107	64	—	—	44	87
\$4,000 to \$4,999	1 020	48	39	85	123	319	165	132	50	—	—	39	92
\$5,000 to \$5,999	1 089	27	40	119	146	299	243	108	57	5	—	45	90
\$6,000 to \$6,999	1 155	34	15	121	86	358	268	167	33	7	—	66	96
\$7,000 to \$9,999	3 312	35	68	177	313	876	786	635	238	34	22	128	103
\$10,000 to \$14,999	2 475	34	46	84	153	603	538	475	397	45	5	95	110
\$15,000 to \$24,999	850	13	17	22	20	149	185	199	132	57	5	51	119
\$25,000 or more	111	—	—	8	5	10	29	28	5	19	7	—	124
Median	\$6 500	\$2000—	\$2 700	\$4 000	\$5 100	\$6 400	\$7 400	\$8 400	\$10 100	\$11 900	...	\$5 200	...
YEAR MOVED INTO UNIT													
1969 to March 1970	6 555	305	138	431	608	1 582	1 342	1 093	744	129	21	162	102
1968	2 245	139	81	99	172	560	488	390	207	28	—	81	101
1967	1 200	50	43	114	98	316	260	177	63	41	—	38	98
1965 and 1966	1 445	77	97	160	187	358	263	182	31	15	—	75	91
1960 to 1964	1 512	54	81	129	150	445	296	192	27	6	11	121	94
1950 to 1959	1 154	42	132	145	162	288	142	49	6	—	—	188	80
1949 or earlier	677	93	60	99	91	130	42	19	10	—	—	133	72
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	1 645	137	131	201	236	449	290	155	20	19	7	...	84
10 to 14 percent	3 024	72	66	271	330	1 068	663	367	169	18	—	...	95
15 to 19 percent	2 629	48	53	136	197	649	652	527	305	62	—	...	107
20 to 24 percent	1 683	77	59	143	141	302	341	386	218	11	5	...	107
25 to 34 percent	1 607	170	92	121	177	379	303	222	109	29	5	...	93
35 percent or more	3 131	232	215	340	302	839	548	349	221	58	27	...	91
Not computed	1 041	11	6	30	48	39	85	59	5	10	—	748	103
AIR CONDITIONING													
Room unit(s)	1 713	41	15	88	125	439	364	357	152	20	—	112	105
Central system	740	—	7	—	—	35	46	218	309	107	6	12	159
None	12 335	719	610	1 089	1 343	3 205	2 423	1 527	627	92	26	674	93

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

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

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

The SMSA

	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)	
Owner occupied housing units	32 810	2 434	1 211	1 081	1 293	1 227	1 469	7 164	10 195	5 556	1 180	10 300	
ROOMS													
1 and 2 rooms	136	26	—	19	4	6	6	45	9	21	—	7 500	
3 rooms	406	105	53	29	20	25	35	64	47	13	13	4 800	
4 rooms	3 997	463	238	195	238	216	312	1 005	940	342	48	8 000	
5 rooms	11 390	829	373	418	471	545	471	525	2 980	3 751	1 355	143	9 600
6 rooms	9 643	625	338	247	313	362	301	1 956	3 369	1 850	282	11 000	
7 rooms or more	7 238	386	209	173	173	147	290	1 114	2 079	1 973	694	12 700	
PERSONS													
1 person	3 944	1 493	505	374	319	169	225	500	282	70	7	2 900	
2 persons	9 703	666	554	529	638	586	606	2 085	2 422	1 233	384	8 800	
3 and 4 persons	11 897	193	103	117	225	324	432	2 843	4 662	2 502	496	11 800	
5 persons	3 826	47	25	34	55	77	93	930	1 571	842	152	12 100	
6 persons or more	3 440	35	24	27	56	71	113	806	1 258	909	141	12 300	
Units with roomers, boarders, or lodgers	468	124	15	31	36	4	32	109	80	37	—	6 800	
BEDROOMS													
Less than 3	10 483	1 312	697	685	556	779	509	2 454	2 533	832	126	7 900	
3	18 169	870	501	478	549	416	707	4 018	6 895	3 060	675	11 100	
4 or more	4 158	125	82	76	94	—	212	673	1 158	1 304	434	13 500	
YEAR STRUCTURE BUILT													
1969 to March 1970	970	51	25	6	26	20	39	266	339	167	31	10 800	
1960 to 1968	7 909	305	153	145	150	160	221	1 764	3 028	1 719	264	11 700	
1950 to 1959	7 780	326	192	196	282	236	268	1 629	2 648	1 598	405	11 400	
1949 or earlier	16 151	1 752	841	734	835	811	941	3 505	4 180	2 072	480	8 900	
YEAR MOVED INTO UNIT													
1969 to March 1970	3 656	154	83	68	107	170	186	923	1 267	630	68	10 500	
1968	2 964	146	39	25	104	83	140	767	1 071	506	83	10 800	
1960 to 1967	12 747	357	246	318	306	432	3 058	4 565	2 408	435	435	11 100	
1959 or earlier	13 408	1 530	701	709	792	693	678	2 453	3 191	2 083	578	9 000	
SELECTED CHARACTERISTICS													
Automatic clothes washing machine	25 251	1 145	700	633	659	819	966	5 569	8 782	4 807	1 171	11 200	
Clothes dryer	23 041	926	606	601	508	633	765	5 078	8 285	4 490	1 149	11 500	
Dishwasher	6 016	93	84	88	102	82	63	671	2 128	2 001	704	14 300	
Home food freezer	11 641	389	186	346	307	362	426	2 473	4 202	2 322	628	11 600	
Owned second home	1 181	118	20	40	41	63	—	190	270	190	190	12 200	
With air conditioning	8 095	300	191	179	228	165	360	1 420	2 496	2 144	612	12 400	
Room unit(s)	5 484	241	125	132	152	129	245	1 059	1 807	1 343	251	11 800	
Central system	2 611	59	66	47	76	36	115	361	689	801	361	14 000	
Automobiles available:													
1	14 275	1 285	710	651	887	777	930	4 150	3 793	949	143	8 400	
2	13 352	157	155	126	210	327	390	2 675	5 333	3 303	676	12 500	
3 or more	2 796	22	6	15	7	47	30	208	806	1 315	340	17 000	
Renter occupied housing units	15 432	2 532	1 184	1 168	1 059	1 170	1 210	3 481	2 610	883	135	6 500	
ROOMS													
1 room	323	113	57	23	11	17	21	39	23	19	—	2 900	
2 rooms	604	289	65	60	19	41	19	65	25	11	—	2 200	
3 rooms	2 750	471	278	333	237	253	192	435	262	66	23	4 400	
4 rooms	3 653	563	287	314	286	390	817	539	185	26	6 300		
5 rooms	4 287	569	301	253	311	361	276	1 036	885	255	40	7 200	
6 rooms or more	3 815	327	196	185	185	252	312	1 089	876	347	46	8 200	
PERSONS													
1 person	3 695	1 490	436	374	250	251	189	457	189	48	11	2 800	
2 persons	4 169	476	391	375	313	332	351	860	744	270	57	6 600	
3 and 4 persons	4 864	395	226	293	312	402	465	1 402	1 007	336	26	7 700	
5 persons	1 252	56	51	67	80	84	78	362	351	99	24	8 700	
6 persons or more	1 452	115	80	59	104	101	127	400	319	130	17	8 100	
Units with roomers, boarders, or lodgers	301	97	29	45	5	17	10	47	29	22	—	3 500	
BEDROOMS													
None	359	108	42	60	20	41	—	67	—	21	—	—	
1	4 187	1 187	346	572	200	295	287	692	446	122	40	4 000	
2	6 029	770	330	607	563	461	506	1 357	1 055	340	40	6 600	
3 or more	4 857	417	279	221	186	468	309	1 143	1 324	474	36	8 400	
YEAR STRUCTURE BUILT													
1969 to March 1970	269	81	10	18	10	6	14	49	53	21	—	6 700	
1960 to 1968	2 099	277	104	146	131	126	148	435	489	217	26	7 800	
1950 to 1959	1 299	118	101	84	76	70	107	360	248	119	16	7 800	
1949 or earlier	11 765	2 056	969	920	842	968	941	2 637	1 820	526	86	6 100	
YEAR MOVED INTO UNIT													
1969 to March 1970	6 739	1 116	413	592	575	585	534	1 519	1 067	325	13	6 200	
1968	2 318	332	119	122	98	167	252	658	422	140	8	7 300	
1960 to 1967	4 401	641	450	207	315	252	361	1 086	781	235	73	6 900	
1959 or earlier	1 950	472	226	140	108	147	107	318	242	147	43	5 200	
GROSS RENT AS PERCENTAGE OF INCOME													
Specified renter occupied ¹	14 760	2 501	1 146	1 101	1 020	1 089	1 155	3 312	2 475	850	111	6 500	
Less than 15 percent	4 669	—	7	11	59	127	272	1 522	1 805	755	111	10 900	
15 to 19 percent	2 629	5	23	50	140	375	428	1 078	491	39	—	7 800	
20 to 24 percent	1 683	31	77	216	269	269	280	468	68	5	—	5 900	
25 to 34 percent	1 607	151	272	405	356	227	102	78	16	—	—	3 900	
35 percent or more	3 131	1 846	682	375	137	46	7	38	—	—	—	2000—	
Not computed	1 041	468	85	44	59	45	66	128	95	51	—	2 600	
SELECTED CHARACTERISTICS													
Automatic clothes washing machine	6 379	721	259	411	312	366	359	1 717	1 698	458	78	8 300	
Clothes dryer	5 435	470	151	320	251	341	443	1 405	1 556	462	36	8 600	
Dishwasher	1 068	60	—	54	40	41	59	200	408	186	20	11 000	
Home food freezer	1 711	106	71	93	21	84	124	352	677	168	15	10 000	
Owned second home	279	64	22	44	—	—	—	61	21	44	—	—	
With air conditioning	2 489	251	147	195	155	136	597	596	596	256	55	8 300	
Room unit(s)	1 731	177	81	108	117	108	440	401	134	134	37	8 000	
Central system	758	74	39	67	38	28	157	195	122	122	18	9 200	
Automobiles available:													
1	8 264	892	591	677	728	690	844	2 258	1 227	309	48	6 700	
2	3 487	151	51	161	161	234	278	1 006	1 058	368	79	9 300	
3 or more	555	36	7	13	5	33	22	118	155	156	10	11 400	

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

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

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

The SMSA	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
Owner occupied housing units	32 810	31 983	16 763	13 550	1 433	237	827	531	199	71	24
PERSONS											
1 person	3 944	3 731	3 719	12	--	--	213	213	--	--	--
2 persons	9 703	9 393	9 239	144	--	10	310	275	35	--	--
3 persons	6 040	5 937	3 096	2 835	--	6	103	33	66	4	--
4 persons	5 857	5 794	547	5 228	19	--	63	4	50	5	4
5 persons	3 826	3 754	162	3 481	101	10	72	6	44	16	6
6 persons or more	3 440	3 374	--	1 850	1 313	211	66	--	4	46	16
Median	3.0	3.0	2.0	4.2	6.5	7.5+	2.1	1.7	3.5	...	...
Units with roomers, boarders, or lodgers	468	448	224	203	10	11	20	15	5	--	--
YEAR STRUCTURE BUILT											
1969 to March 1970	929	923	379	516	22	6	6	6	--	--	--
1965 to 1968	3 655	3 626	1 444	2 020	148	14	29	14	8	--	7
1960 to 1964	4 216	4 179	1 506	2 360	274	39	37	11	20	6	--
1950 to 1959	7 858	7 730	3 738	3 584	360	48	128	52	48	14	14
1940 to 1949	3 563	3 421	1 917	1 320	143	41	142	77	41	24	7
1939 or earlier	12 554	12 020	7 639	3 789	491	101	534	388	108	31	--
INCOME IN 1969											
Less than \$2,000	2 434	2 220	1 999	203	13	5	214	204	10	--	--
\$2,000 to \$2,999	1 211	1 132	1 016	103	8	5	79	63	16	--	--
\$3,000 to \$3,999	1 081	1 016	890	104	16	6	65	46	13	--	6
\$4,000 to \$4,999	1 293	1 249	989	217	32	11	44	33	5	--	6
\$5,000 to \$5,999	1 227	1 195	850	311	34	--	32	14	13	5	--
\$6,000 to \$6,999	1 469	1 403	903	429	60	11	66	33	33	--	--
\$7,000 to \$9,999	7 164	6 988	3 108	3 362	440	78	176	73	51	44	8
\$10,000 to \$14,999	10 195	10 086	3 986	5 525	524	51	109	51	40	12	6
\$15,000 to \$24,999	5 556	5 519	2 274	2 940	243	62	37	9	18	10	--
\$25,000 or more	1 180	1 175	748	356	63	8	5	5	--	--	--
Median	\$10 300	\$10 400	\$8 700	\$11 900	\$11 100	\$10 200	\$5 400	\$3 000	\$7 600	...	...
VALUE-INCOME RATIO											
Specified owner occupied ¹	28 037	27 397	13 760	12 124	1 319	192	640	393	160	67	20
Less than 1.5	11 245	10 917	4 357	5 638	783	139	328	135	112	61	20
1.5 to 1.9	6 369	6 269	2 678	3 288	320	10	73	39	34	--	--
2.0 to 2.4	3 475	3 417	1 670	1 613	112	22	58	48	4	6	--
2.5 to 2.9	1 937	1 910	1 096	756	47	11	27	22	5	--	--
3.0 to 3.9	1 791	1 737	1 263	447	27	--	54	54	--	--	--
4.0 or more	3 010	2 920	2 525	355	30	10	90	85	5	--	--
Not computed	210	200	171	29	--	--	10	10	--	--	--
HEATING EQUIPMENT											
Steam or hot water	1 746	1 721	1 078	582	44	17	25	15	10	--	--
Warm-air furnace	26 424	26 168	13 550	11 376	1 063	179	256	175	75	6	--
Built-in electric units	283	278	100	156	22	--	5	5	--	--	--
Floor, wall, or pipeless furnace	1 741	1 686	778	761	142	5	55	38	9	8	--
Other means	2 611	2 125	1 252	675	162	36	486	298	105	57	26
None	5	5	5	--	--	--	--	--	--	--	--
Renter occupied housing units	15 432	14 444	6 900	6 408	926	210	988	375	482	85	46
PERSONS											
1 person	3 695	3 235	3 131	104	--	--	460	280	180	--	--
2 persons	4 169	4 024	2 932	1 086	--	6	145	61	75	--	9
3 persons	2 808	2 805	684	1 999	15	7	103	34	65	--	4
4 persons	2 056	1 967	119	1 753	86	9	89	--	73	9	7
5 persons	1 252	1 187	34	950	160	43	65	--	41	19	5
6 persons or more	1 452	1 326	--	516	665	145	126	--	48	57	21
Median	2.5	2.5	1.6	3.5	6.2	7.1	1.7	1.2	2.3	...	...
Units with roomers, boarders, or lodgers	301	281	120	105	41	15	20	4	11	5	--
YEAR STRUCTURE BUILT											
1969 to March 1970	237	237	138	85	14	--	--	--	--	--	--
1965 to 1968	1 161	1 154	608	502	39	5	7	--	7	--	--
1960 to 1964	889	882	373	428	73	8	7	--	7	--	--
1950 to 1959	1 293	1 229	498	624	99	8	64	13	51	--	--
1940 to 1949	1 914	1 796	767	863	151	15	118	27	70	16	5
1939 or earlier	9 914	9 195	4 489	3 992	574	140	719	302	322	40	55
INCOME IN 1969											
Less than \$2,000	2 532	2 214	1 546	584	69	15	318	180	124	14	--
\$2,000 to \$2,999	1 184	1 071	666	325	71	9	113	48	61	--	4
\$3,000 to \$3,999	1 168	1 071	607	378	57	29	97	28	54	15	--
\$4,000 to \$4,999	1 059	994	508	379	81	26	65	16	34	5	10
\$5,000 to \$5,999	1 170	1 087	476	478	91	29	83	23	49	6	5
\$6,000 to \$6,999	1 210	1 136	472	562	87	15	74	13	44	13	4
\$7,000 to \$9,999	3 481	3 350	1 245	1 801	275	42	131	49	72	10	--
\$10,000 to \$14,999	2 610	2 539	932	1 455	118	34	71	11	38	17	5
\$15,000 to \$24,999	883	847	374	396	66	11	36	7	6	5	18
\$25,000 or more	135	135	74	50	11	--	--	--	--	--	--
Median	\$6 500	\$6 700	\$5 300	\$7 800	\$7 100	\$5 600	\$3 600	\$2 200	\$4 100	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	14 760	13 894	6 637	6 154	893	210	866	340	422	68	16
Less than 10 percent	1 645	1 518	589	773	123	33	127	49	56	--	22
10 to 14 percent	3 024	2 921	1 189	1 509	190	33	103	37	61	5	--
15 to 19 percent	2 629	2 540	964	1 327	194	55	89	14	56	19	--
20 to 24 percent	1 683	1 573	621	813	114	25	110	38	48	20	4
25 to 34 percent	1 607	1 500	846	549	74	31	107	42	55	5	5
35 percent or more	3 131	2 916	1 855	884	150	27	215	121	86	8	--
Not computed	1 041	926	573	299	48	6	115	39	60	11	5
HEATING EQUIPMENT											
Steam or hot water	1 288	1 203	711	442	33	17	85	23	62	--	--
Warm-air furnace	8 779	8 540	4 297	3 746	422	75	239	98	119	10	12
Built-in electric units	191	191	62	123	6	--	--	--	--	--	--
Floor, wall, or pipeless furnace	884	857	312	417	88	40	27	10	12	--	5
Other means	4 261	3 629	1 499	1 680	372	78	632	244	289	70	29
None	29	24	19	--	5	--	5	--	--	5	--

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

²Excludes one-family homes on 10 acres or more.

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

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

The SMSA	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	32 810	39	97	406	3 997	11 390	9 643	4 317	2 921	5.5
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	31 701	16	84	308	3 837	11 044	9 468	4 161	2 783	5.6
PERSONS										
1 person	3 944	12	52	193	914	1 324	914	351	184	5.1
2 persons	9 703	10	31	148	1 794	3 605	2 658	908	549	5.3
3 persons	6 040	6	4	19	639	2 243	1 916	700	513	5.6
4 persons	5 857	—	4	24	447	2 061	1 871	899	551	5.7
5 persons	3 826	—	6	10	117	1 240	1 263	713	477	5.9
6 persons or more	3 440	11	—	12	86	917	1 021	746	647	6.2
Median	3.0	...	...	1.6	2.1	2.8	3.2	3.7	3.9	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	31 983	39	69	334	3 826	11 136	9 489	4 235	2 855	5.6
0.50 or less	16 763	—	38	167	2 614	4 776	5 361	1 902	1 905	5.6
0.51 to 1.00	13 550	12	31	126	1 043	5 467	3 707	2 244	920	5.5
1.01 to 1.50	1 433	—	—	19	135	770	404	75	30	5.2
1.51 or more	237	27	—	22	34	123	17	14	—	4.8
Lacking some or all plumbing facilities	827	—	28	72	171	254	154	82	46	5.1
0.50 or less	531	—	14	26	94	153	127	57	60	5.4
0.51 to 1.00	199	—	—	41	43	77	17	15	6	4.7
1.01 to 1.50	71	—	4	5	24	18	10	10	—	...
1.51 or more	26	—	10	—	10	6	—	—	—	...
BEDROOMS										
None and 1	1 005	89	20	360	411	86	14	25	—	3.6
2	9 478	—	—	95	3 341	4 611	1 153	255	23	4.8
3	18 169	—	—	—	81	6 683	7 611	2 811	983	5.8
4 or more	4 158	—	—	—	—	49	667	1 344	2 098	7.5
YEAR STRUCTURE BUILT										
1969 to March 1970	970	5	—	9	182	312	254	117	91	5.4
1960 to 1968	7 909	18	—	82	883	3 123	2 139	1 016	628	5.4
1950 to 1959	7 780	—	35	57	1 135	3 248	2 251	721	333	5.3
1949 or earlier	16 151	16	42	258	1 797	4 707	4 999	2 463	1 869	5.8
COMPLETE BATHROOMS										
1 and 1/2	27 144	24	84	284	3 696	10 436	8 153	3 050	1 417	5.4
2 or more	4 611	—	—	30	141	625	1 328	1 116	1 371	6.7
None or also used by another household	1 020	—	37	91	185	346	191	107	63	5.1
VALUE-INCOME RATIO										
Specified owner occupied ¹	28 037	29	42	185	2 697	10 235	8 667	3 817	2 345	5.6
Less than 1.5	11 245	16	17	55	1 080	4 123	3 490	1 527	937	5.6
1.5 to 1.9	6 369	—	—	48	561	2 502	1 906	852	500	5.5
2.0 to 2.9	5 412	6	12	37	436	1 826	1 775	796	524	5.7
3.0 or more	4 801	7	13	45	580	1 703	1 437	622	394	5.5
Not computed	210	—	—	—	40	81	59	20	10	5.3
Renter occupied housing units	15 432	323	604	2 750	3 653	4 287	2 360	884	571	4.6
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	14 149	35	445	2 668	3 453	3 974	2 222	797	555	4.6
PERSONS										
1 person	3 695	284	473	1 239	930	466	175	61	67	3.4
2 persons	4 169	15	102	1 059	1 172	1 167	454	128	72	4.3
3 persons	2 808	11	15	298	770	996	496	135	87	4.8
4 persons	2 056	7	9	95	483	762	411	170	119	5.1
5 persons	1 252	—	—	48	179	438	395	135	57	5.4
6 persons or more	1 452	6	5	11	119	458	429	255	169	5.8
Median	2.5	1.1	1.1	1.6	2.3	3.0	3.6	4.2	4.0	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	14 444	117	472	2 601	3 491	4 143	2 229	846	545	4.6
0.50 or less	6 900	—	370	1 160	2 041	1 572	1 073	314	370	4.4
0.51 to 1.00	6 408	104	73	1 301	1 186	2 133	954	493	164	4.8
1.01 to 1.50	926	—	15	86	218	369	192	35	11	4.9
1.51 or more	210	13	14	54	46	69	10	4	—	4.0
Lacking some or all plumbing facilities	988	206	132	149	162	144	131	38	26	3.5
0.50 or less	375	—	103	79	61	61	52	10	9	3.6
0.51 to 1.00	482	180	29	56	67	63	42	28	17	3.1
1.01 to 1.50	85	—	—	9	34	10	—	—	—	...
1.51 or more	46	26	—	5	—	10	5	—	—	...
BEDROOMS										
None	359	300	41	18	—	—	—	—	—	...
1	4 187	—	640	2 229	1 067	170	62	19	—	3.2
2	6 029	—	—	226	2 513	2 766	455	42	27	4.6
3 or more	4 857	—	—	—	55	1 652	1 749	916	485	5.9
YEAR STRUCTURE BUILT										
1969 to March 1970	269	4	47	80	83	40	11	—	4	3.5
1960 to 1968	2 099	20	120	421	856	409	170	67	36	4.1
1950 to 1959	1 299	12	41	180	382	481	135	64	4	4.6
1949 or earlier	11 765	287	396	2 069	2 332	3 357	2 044	753	527	4.7
COMPLETE BATHROOMS										
1 and 1/2	13 829	107	437	2 662	3 420	3 890	2 139	722	452	4.6
2 or more	461	—	8	22	61	102	90	75	103	5.9
None or also used by another household	1 118	203	142	138	167	212	160	50	46	4.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	14 760	323	604	2 730	3 631	4 131	2 222	737	382	4.5
Less than 10 percent	1 645	95	59	282	402	468	237	80	22	4.5
10 to 14 percent	3 024	31	53	441	689	1 017	542	176	75	4.8
15 to 19 percent	2 629	11	61	377	748	677	510	162	83	4.7
20 to 24 percent	1 683	46	49	318	378	525	170	65	52	4.6
25 to 34 percent	1 607	48	109	407	407	393	170	53	20	4.1
35 percent or more	3 131	56	224	805	824	763	280	123	56	4.1
Not computed	1 041	36	49	100	183	288	233	78	74	5.0

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

²Excludes one-family homes on 10 acres or more.

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

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

The SMSA	Owner occupied				Renter occupied							
	Total	1 unit	2 units or more	Mobile home or trailer	Total	1 unit	2 units	3 and 4 units	5 to 9 units	10 to 19 units	20 units or more	Mobile home or trailer
All occupied housing units	32 810	29 924	1 655	1 231	15 432	6 285	4 111	2 469	1 013	601	806	147
ROOMS												
1 room	39	34	-	5	323	7	11	25	87	26	160	7
2 rooms	97	42	20	35	604	48	67	129	149	32	174	5
3 rooms	406	213	103	90	2 750	355	565	1 071	286	191	261	21
4 rooms	3 997	2 814	349	834	3 653	1 021	993	799	288	260	194	98
5 rooms	11 390	10 541	612	237	4 287	2 171	1 546	340	122	75	17	16
6 rooms	9 643	9 257	360	26	2 360	1 440	768	78	67	7	-	-
7 rooms	4 317	4 182	131	4	884	731	122	21	10	-	-	-
8 rooms or more	2 921	2 841	80	-	571	512	39	6	4	10	-	-
Median	5.5	5.6	5.1	4.1	4.6	5.3	4.8	3.5	3.4	3.7	2.8	3.9
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	31 983	29 175	1 596	1 212	14 444	5 873	3 960	2 330	858	585	700	138
0.50 or less	16 763	14 934	1 127	702	6 900	2 572	1 768	1 188	487	334	492	59
0.51 to 1.00	13 550	12 681	389	480	6 408	2 821	1 876	912	308	235	196	60
1.01 to 1.50	1 433	1 349	68	16	926	400	254	186	52	16	6	12
1.51 or more	237	211	12	14	210	80	62	44	11	-	6	7
Lacking some or all plumbing facilities	827	749	59	19	988	412	151	139	155	16	106	9
0.50 or less	531	475	41	15	375	154	77	70	57	5	12	5
0.51 to 1.00	199	181	18	-	482	192	55	41	84	11	9	5
1.01 to 1.50	71	67	-	4	85	51	19	11	-	-	-	4
1.51 or more	26	26	-	-	46	15	-	17	14	-	-	-
BEDROOMS												
None	117	117	-	-	359	41	23	-	103	19	173	-
1	888	531	217	140	4 187	597	785	1 631	490	300	348	36
2	9 478	8 105	607	766	6 029	2 217	2 005	1 010	274	270	166	87
3	18 169	17 616	457	96	3 916	2 606	1 012	139	134	-	-	25
4 or more	4 158	4 051	107	-	941	760	158	23	-	-	-	-
YEAR STRUCTURE BUILT												
1969 to March 1970	970	743	9	218	269	30	20	22	34	48	95	20
1965 to 1968	3 718	3 134	32	552	1 162	249	54	168	136	215	308	32
1960 to 1964	4 191	3 885	17	289	1 937	426	66	109	69	126	106	33
1950 to 1959	7 780	7 614	60	104	1 299	864	182	109	49	20	19	56
1940 to 1949	3 588	3 466	107	15	1 979	879	568	355	130	32	11	4
1939 or earlier	12 563	11 080	1 430	53	9 786	3 837	3 221	1 706	595	160	267	-
INCOME IN 1969												
Less than \$2,000	2 434	2 074	265	95	2 532	679	648	616	200	63	322	4
\$2,000 to \$2,999	1 211	1 009	131	71	1 184	480	273	214	94	20	99	4
\$3,000 to \$3,999	1 081	975	81	25	1 168	329	280	265	142	75	72	5
\$4,000 to \$4,999	1 293	1 139	91	63	1 059	371	343	201	54	44	40	6
\$5,000 to \$5,999	1 227	1 067	125	35	1 170	387	384	203	93	36	45	22
\$6,000 to \$6,999	1 469	1 274	114	81	1 210	492	323	236	61	36	43	19
\$7,000 to \$9,999	7 164	6 420	405	339	3 481	1 618	1 008	423	180	158	54	40
\$10,000 to \$14,999	10 195	9 587	296	312	2 610	1 417	629	231	122	83	86	42
\$15,000 to \$24,999	5 556	5 221	137	198	883	457	209	66	44	82	25	-
\$25,000 or more	1 180	1 158	10	12	135	55	14	14	23	4	20	5
Median	\$10 300	\$10 500	\$7 200	\$9 200	\$6 500	\$7 800	\$6 400	\$4 700	\$5 200	\$7 500	\$2 800	\$8 000
YEAR MOVED INTO UNIT												
1969 to March 1970	3 656	3 108	164	384	6 739	2 294	1 960	1 104	517	354	439	71
1968	2 964	2 523	132	309	2 318	988	523	335	201	77	188	6
1967	2 015	1 802	66	147	1 249	569	300	171	58	48	97	6
1965 and 1966	4 344	4 014	129	201	1 548	651	452	278	67	44	49	7
1960 to 1964	6 388	5 978	239	171	1 604	774	467	195	69	47	36	16
1950 to 1959	7 304	6 907	343	54	1 048	524	267	131	88	28	10	-
1949 or earlier	6 104	5 441	650	13	902	466	244	144	35	8	5	-
GROSS RENT												
Specified renter occupied ¹ .....	...	...	...	...	14 760	5 613	4 111	2 469	1 013	601	806	147
Less than \$50 .....	...	...	...	...	747	105	89	122	107	42	278	4
\$50 to \$59 .....	...	...	...	...	622	123	138	239	59	15	22	26
\$60 to \$69 .....	...	...	...	...	1 242	331	338	343	118	24	81	7
\$70 to \$79 .....	...	...	...	...	1 431	395	503	308	126	24	55	20
\$80 to \$99 .....	...	...	...	...	3 725	1 270	1 358	762	187	68	65	15
\$100 to \$119 .....	...	...	...	...	2 882	1 181	1 039	368	156	76	21	21
\$120 to \$149 .....	...	...	...	...	2 065	957	437	197	153	176	120	25
\$150 to \$199 .....	...	...	...	...	1 047	581	83	57	84	145	85	12
\$200 to \$299 .....	...	...	...	...	207	95	22	24	13	21	32	-
\$300 or more .....	...	...	...	...	44	32	-	-	-	-	12	-
No cash rent .....	...	...	...	...	748	543	104	49	10	10	15	17
Median .....	...	...	...	...	\$96	\$105	\$93	\$84	\$90	\$128	\$73	\$88
HEATING EQUIPMENT												
Steam or hot water	1 746	1 615	131	-	1 288	183	150	317	141	100	397	-
Warm-air furnace	26 424	24 173	1 208	1 043	8 779	3 823	2 380	1 272	577	378	271	78
Built-in electric units	283	277	-	6	191	35	31	23	6	48	44	4
Floor, wall, or pipeless furnace	1 741	1 632	56	53	884	504	212	87	47	-	28	6
Other means	2 611	2 222	260	129	4 261	1 735	1 327	757	242	75	66	59
None	5	5	-	-	29	5	11	13	-	-	-	-
AIR CONDITIONING												
Room unit(s)	5 484	4 786	303	395	1 731	620	372	286	164	119	156	14
Central system	2 611	2 438	18	155	758	110	41	67	83	273	184	-
None	24 680	22 549	1 402	729	12 919	5 536	3 800	2 005	788	214	484	92
AUTOMOBILES AVAILABLE												
1	14 275	12 673	853	749	8 264	3 207	2 505	1 170	643	332	349	58
2	13 352	12 492	433	427	3 487	1 909	753	340	152	195	114	24
3 or more	2 796	2 649	94	53	555	360	127	26	15	18	-	9
None	2 352	1 959	343	50	3 102	790	828	822	225	61	361	15

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

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

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

The SMSA

	Two-or-more-person households										One-person households	
	Total	Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
Owner occupied housing units	32 810	805	4 954	5 765	11 090	3 132	588	222	1 626	684	1 778	2 166
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	31 983	786	4 900	5 689	10 868	3 024	555	203	1 605	622	1 710	2 021
0.50 or less	16 763	333	969	931	6 238	2 695	273	185	889	531	1 703	2 016
0.51 to 1.00	13 550	449	3 509	4 052	4 236	301	244	18	655	74	7	5
1.01 to 1.50	1 433	4	391	61	285	23	38	—	61	12	—	—
1.51 or more	237	—	31	87	109	5	—	—	—	5	—	—
Lacking some or all plumbing facilities	827	19	54	76	222	108	33	19	21	62	68	145
0.50 or less	531	4	—	10	99	93	28	14	13	57	68	145
0.51 to 1.00	199	11	23	36	98	11	5	5	5	—	—	—
1.01 to 1.50	71	—	19	26	19	4	—	—	3	—	—	—
1.51 or more	26	4	12	4	6	—	—	—	—	—	—	—
UNITS IN STRUCTURE												
1	29 924	606	4 648	5 549	10 315	2 809	526	191	1 498	597	1 382	1 803
2 or more	1 655	47	140	98	405	246	40	27	96	83	173	300
Mobile home or trailer	1 231	152	166	118	370	77	22	4	32	4	223	63
INCOME IN 1969												
Less than \$2,000	2 434	15	14	38	151	252	28	65	216	162	398	1 095
\$2,000 to \$2,999	1 211	11	19	20	88	392	6	35	67	68	133	372
\$3,000 to \$3,999	1 081	27	28	14	76	355	10	25	110	62	144	230
\$4,000 to \$4,999	1 293	44	40	55	196	399	34	19	125	62	135	184
\$5,000 to \$5,999	1 227	45	84	67	330	300	26	27	149	30	128	41
\$6,000 to \$6,999	1 469	60	154	119	386	236	20	15	176	78	172	53
\$7,000 to \$9,999	7 164	289	1 618	1 373	2 366	433	147	10	344	84	421	79
\$10,000 to \$14,999	10 195	285	2 325	2 343	3 871	453	199	20	324	93	202	80
\$15,000 to \$24,999	5 556	25	641	1 537	2 860	202	91	—	101	29	45	25
\$25,000 or more	1 180	4	31	199	766	110	27	6	14	16	—	7
Median	\$10 300	\$9 100	\$11 100	\$12 600	\$12 500	\$5 600	\$10 600	\$3 400	\$6 800	\$4 800	\$5 600	\$2 000
VALUE-INCOME RATIO												
Specified owner occupied ¹	28 037	600	4 534	5 263	9 521	2 523	459	157	1 441	557	1 300	1 682
Less than 1.5	11 245	165	1 605	2 530	5 234	539	231	37	431	179	226	68
1.5 to 1.9	6 369	198	1 502	1 393	2 249	357	82	26	230	75	164	93
2.0 to 2.4	3 475	98	810	730	918	320	52	5	208	61	165	108
2.5 to 2.9	1 937	48	333	300	521	342	17	21	129	33	129	64
3.0 to 3.9	1 791	63	168	199	303	344	54	23	141	76	151	269
4.0 or more	3 010	28	116	102	279	612	23	45	261	111	402	1 031
Not computed	210	—	—	9	17	9	—	—	41	22	63	49
Renter occupied housing units	15 432	1 908	2 943	1 435	2 128	782	449	73	1 752	267	2 126	1 569
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	14 444	1 856	2 827	1 370	1 975	752	423	64	1 703	239	1 859	1 376
0.50 or less	6 900	575	521	222	968	547	185	44	540	167	1 788	1 343
0.51 to 1.00	6 408	1 193	1 958	858	884	188	218	15	934	56	71	33
1.01 to 1.50	926	74	294	233	98	5	20	5	186	11	—	—
1.51 or more	210	14	54	57	25	12	—	—	43	5	—	—
Lacking some or all plumbing facilities	988	52	116	65	153	30	26	9	49	28	267	193
0.50 or less	375	5	9	—	45	9	—	—	11	12	138	142
0.51 to 1.00	482	37	76	32	80	21	10	5	25	16	129	51
1.01 to 1.50	85	5	26	11	20	—	—	—	13	—	—	—
1.51 or more	46	5	5	22	8	—	6	—	—	—	—	—
UNITS IN STRUCTURE												
1	6 285	636	1 533	785	1 265	367	150	23	688	90	443	305
2 to 4	6 580	932	1 085	559	723	325	212	46	882	142	984	690
5 to 19	1 614	266	253	58	84	52	72	4	118	27	395	285
20 or more	806	49	—	—	56	33	4	—	53	8	280	283
Mobile home or trailer	147	25	32	33	—	5	11	—	11	—	24	6
GROSS RENT												
Specified renter occupied ²	14 760	1 873	2 752	1 314	1 924	747	431	67	1 737	267	2 090	1 558
Less than \$50	747	5	23	24	32	37	11	4	25	12	275	299
\$50 to \$59	622	21	17	22	37	55	24	5	77	47	136	181
\$60 to \$69	1 242	114	130	48	111	98	62	4	149	46	265	215
\$70 to \$79	1 431	143	222	118	152	91	19	9	193	31	282	171
\$80 to \$99	3 725	522	653	296	596	140	127	27	535	38	468	323
\$100 to \$119	2 882	493	733	239	420	140	86	9	376	28	257	101
\$120 to \$149	2 065	402	509	248	285	55	34	—	194	36	215	87
\$150 to \$199	1 047	116	317	199	121	29	56	5	94	13	72	25
\$200 to \$299	207	4	77	29	31	7	7	—	15	—	26	11
\$300 or more	44	—	—	19	12	—	—	—	—	—	8	5
No cash rent	748	53	71	72	127	95	5	4	79	16	86	140
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	14 760	1 873	2 752	1 314	1 924	747	431	67	1 737	267	2 090	1 558
Less than \$5,000	5 768	481	315	178	284	448	157	47	1 135	194	1 154	1 375
Less than 20 percent	295	43	17	10	4	24	16	4	28	22	68	59
20 to 24 percent	593	72	68	14	52	56	—	10	108	9	132	72
25 to 34 percent	1 184	118	75	51	47	151	14	7	186	46	265	224
35 percent or more	3 040	214	149	81	149	159	121	17	661	101	540	648
Not computed	656	34	6	22	32	58	6	9	152	16	742	172
\$5,000 to \$9,999	5 556	1 090	1 417	557	729	183	165	5	464	59	742	145
Less than 20 percent	3 802	701	975	342	540	112	139	5	303	39	539	107
20 to 24 percent	1 017	277	314	102	105	21	5	—	73	14	92	14
25 to 34 percent	1 407	75	50	62	26	23	15	—	65	6	70	15
35 percent or more	91	10	27	14	—	7	6	—	7	—	21	9
Not computed	239	27	51	37	58	20	—	—	16	—	139	34
\$10,000 to \$14,999	2 475	257	836	419	544	69	72	—	82	14	130	28
Less than 20 percent	2 296	246	772	385	509	54	72	—	82	14	9	—
20 to 24 percent	68	6	41	4	—	3	—	—	—	—	—	—
25 percent or more	16	—	11	—	5	—	—	—	—	—	—	6
Not computed	95	5	12	30	30	12	—	—	—	—	55	4
\$15,000 or more	961	45	184	160	367	47	37	6	56	—	—	—
Less than 20 percent	905	40	176	155	345	42	32	6	50	—	—	—
20 to 24 percent	5	—	—	5	—	—	—	—	—	—	—	—
25 percent or more	—	—	—	—	—	—	—	—	—	—	—	—
Not computed	51	5	8	—	22	5	—	—	6	—	—	—

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

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

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

The SMSA	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	32 810	3 944	9 703	6 040	5 857	3 826	1 956	951	533	3.0
BEDROOMS										
None and 1	1 005	402	499	—	—	25	51	28	—	1.7
2	9 478	1 979	4 326	1 735	905	307	177	23	26	2.1
3	18 169	1 323	4 178	3 503	4 286	2 831	1 367	475	206	3.5
4 or more	4 158	174	520	658	768	792	545	471	230	4.4
YEAR STRUCTURE BUILT										
1969 to March 1970	970	110	189	229	265	92	53	22	10	3.3
1965 to 1968	3 718	248	762	791	990	497	269	94	67	3.6
1960 to 1964	4 191	251	904	798	1 012	702	310	139	75	3.6
1950 to 1959	7 780	578	2 510	1 539	1 492	929	380	254	98	3.0
1940 to 1949	3 588	456	1 217	691	520	352	241	70	41	2.7
1939 or earlier	12 563	2 301	4 121	1 992	1 578	1 254	703	372	242	2.5
UNITS IN STRUCTURE										
1	29 924	3 185	8 605	5 568	5 566	3 677	1 888	913	522	3.1
2 or more	1 655	473	607	227	145	107	61	28	7	2.1
Mobile home or trailer	1 231	286	491	245	146	42	7	10	4	2.2
COMPLETE BATHROOMS										
1 and 1 1/2	27 144	3 480	8 213	5 017	4 737	3 041	1 472	788	396	2.9
2 and 2 1/2	4 278	180	1 098	802	947	596	385	147	123	3.6
3 or more	333	24	67	59	50	82	24	21	6	3.8
None or also used by another household	1 020	264	339	141	104	85	32	29	26	2.2
HOUSEHOLD COMPOSITION										
Two-or-more-person households	28 866	...	9 703	6 040	5 857	3 826	1 956	951	533	3.3
Male head, wife present, no nonrelatives	25 746	...	8 165	5 313	5 426	3 626	1 826	887	503	3.4
Under 25 years	805	...	238	347	172	19	22	—	7	3.0
25 to 34 years	4 954	...	420	985	1 817	1 039	423	205	65	4.1
35 to 44 years	5 765	...	335	797	1 541	1 481	906	404	301	4.6
45 to 64 years	11 090	...	4 657	2 731	1 793	1 054	457	278	120	2.8
65 years and over	3 132	...	2 515	453	103	33	18	—	10	2.1
Other male head	810	...	409	157	92	80	34	32	6	2.5
Under 65 years	588	...	229	138	83	71	34	27	6	3.0
65 years and over	222	...	180	19	9	—	5	—	—	2.1
Female head	2 310	...	1 129	570	339	120	96	32	24	2.5
Under 65 years	1 626	...	608	468	304	106	91	32	17	2.9
65 years and over	684	...	521	102	35	14	5	—	7	2.2
One-person households	3 944	3 944	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied ¹	28 037	2 982	7 974	5 185	5 285	3 463	1 783	869	496	3.1
Less than 1.5	11 245	294	2 837	2 388	2 256	1 702	895	544	329	3.5
1.5 to 1.9	6 369	257	1 754	1 277	1 520	863	475	155	68	3.4
2.0 to 2.4	3 475	273	972	678	778	444	194	90	46	3.2
2.5 to 2.9	1 937	193	687	302	350	238	92	59	16	2.8
3.0 to 3.9	1 791	420	635	309	208	121	75	11	12	2.2
4.0 or more	3 010	1 433	1 035	211	158	91	47	10	25	1.6
Not computed	210	112	54	20	15	4	5	—	—	1.4
Renter occupied housing units	15 432	3 695	4 169	2 808	2 056	1 252	716	489	247	1.5
BEDROOMS										
None	359	320	39	—	—	—	—	—	—	...
1	4 187	2 092	1 506	321	138	96	34	—	—	1.5
2	6 029	1 023	1 959	1 564	904	196	261	70	52	2.5
3 or more	4 857	235	693	1 006	996	921	508	337	161	4.0
YEAR STRUCTURE BUILT										
1969 to March 1970	269	110	81	28	22	17	—	11	—	1.8
1965 to 1968	1 162	356	381	190	121	73	24	17	—	2.1
1960 to 1964	937	209	228	199	145	108	27	11	10	2.7
1950 to 1959	1 299	192	408	291	167	118	87	25	11	2.7
1940 to 1949	1 979	331	609	399	301	143	118	60	18	2.6
1939 or earlier	9 786	2 497	2 462	1 701	1 300	793	460	365	208	2.5
UNITS IN STRUCTURE										
1	6 285	748	1 516	1 186	1 124	772	454	322	163	3.2
2	4 111	755	1 204	891	616	317	156	125	47	2.6
3 and 4	2 469	919	726	370	230	89	67	31	37	1.9
5 to 9	1 013	443	260	183	52	44	20	11	—	1.7
10 to 19	601	237	222	104	12	19	7	—	—	1.8
20 or more	806	563	201	36	—	6	—	—	—	1.2
Mobile home or trailer	147	30	40	38	22	5	12	—	—	2.6
COMPLETE BATHROOMS										
1 and 1 1/2	13 829	3 140	3 876	2 654	1 816	1 110	597	427	209	2.5
2 or more	461	71	82	68	115	46	37	42	—	3.6
None or also used by another household	1 118	455	205	119	113	97	54	35	40	2.0
HOUSEHOLD COMPOSITION										
Two-or-more-person households	11 737	...	4 169	2 808	2 056	1 252	716	489	247	3.1
Male head, wife present, no nonrelatives	9 196	...	3 063	2 193	1 674	1 104	568	390	204	3.2
Under 25 years	1 908	...	842	661	303	65	12	21	4	2.7
25 to 34 years	2 943	...	475	744	762	528	248	135	51	3.8
35 to 44 years	1 435	...	189	185	310	298	187	158	108	4.6
45 to 64 years	2 128	...	906	525	285	188	112	71	41	2.8
65 years and over	782	...	651	78	14	25	9	5	—	2.1
Other male head	522	...	290	112	55	15	25	20	5	2.4
Under 65 years	449	...	241	103	45	15	20	20	5	2.4
65 years and over	73	...	49	9	10	—	5	—	—	...
Female head	2 019	...	816	503	327	133	123	79	38	2.9
Under 65 years	1 752	...	612	461	322	123	117	79	38	3.1
65 years and over	267	...	204	42	5	10	6	—	—	2.2
One-person households	3 695	3 695	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	14 760	3 648	4 059	2 695	1 933	1 145	634	433	213	2.4
Less than 10 percent	1 645	234	567	341	211	153	55	80	4	2.6
10 to 14 percent	3 024	382	885	746	430	273	194	73	39	2.8
15 to 19 percent	2 629	374	672	478	488	325	125	107	60	3.1
20 to 24 percent	1 683	319	462	350	247	148	60	59	38	2.7
25 to 34 percent	1 607	574	471	222	172	62	33	48	25	2.0
35 percent or more	3 131	1 408	752	389	282	115	114	41	30	1.7
Not computed	1 041	357	250	167	103	69	53	25	17	2.2

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

²Excludes one-family homes on 10 acres or more.

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

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

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 months or more		Total	Less than 2 months	2 up to 6 months	6 months or more
Vacant for sale	250	85	46	119	Vacant for rent	911	485	221	205
ROOMS					ROOMS				
1 to 3 rooms	13	-	-	13	1 room	38	18	16	4
4 rooms	56	12	16	28	2 rooms	75	47	14	14
5 rooms	56	22	7	27	3 rooms	189	106	49	34
6 rooms	65	33	-	32	4 rooms	243	102	55	86
7 rooms or more	60	18	23	19	5 rooms	220	124	42	54
PLUMBING FACILITIES					6 rooms	80	58	13	9
With all plumbing facilities	210	85	29	96	7 rooms or more	66	30	32	4
Lacking some or all plumbing facilities	40	-	17	23	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	824	451	188	185
None and 1	-	-	-	-	Lacking some or all plumbing facilities	87	34	33	20
2	101	27	25	49	BEDROOMS				
3	12	12	-	-	None	74	43	15	16
4 or more	104	41	38	25	1	295	162	74	59
YEAR STRUCTURE BUILT					2	437	197	91	149
1969 to March 1970	27	23	4	-	3 or more	214	186	28	-
1960 to 1968	20	3	5	12	YEAR STRUCTURE BUILT				
1950 to 1959	35	12	8	15	1969 to March 1970	13	7	-	6
1949 or earlier	168	47	29	92	1960 to 1968	131	49	21	61
UNITS IN STRUCTURE					1950 to 1959	9	6	3	-
1	225	76	46	103	1949 or earlier	758	423	197	138
2 or more	25	9	-	16	UNITS IN STRUCTURE				
HEATING EQUIPMENT					1	305	152	95	58
Steam or hot water	15	9	-	6	2 to 4	374	219	85	70
Warm-air furnace	179	57	34	88	5 to 9	76	40	24	12
Built-in electric units	3	3	-	-	10 to 19	55	37	13	5
Floor, wall, or pipeless furnace	20	-	12	8	20 or more	101	37	4	60
Other means	33	16	-	17	RENT ASKED				
None	-	-	-	-	Specified vacant for rent?	885	473	217	195
SALES PRICE ASKED					Less than \$50	114	61	30	23
Specified vacant for sale?	191	68	40	83	\$50 to \$59	114	68	26	20
Less than \$5,000	25	2	7	16	\$60 to \$79	243	119	71	53
\$5,000 to \$9,999	6	-	4	2	\$80 to \$99	193	122	36	35
\$10,000 to \$14,999	61	17	12	32	\$100 to \$119	77	48	18	11
\$15,000 to \$19,999	35	14	4	17	\$120 to \$149	62	35	9	18
\$20,000 to \$24,999	39	26	3	10	\$150 to \$199	21	17	4	-
\$25,000 to \$34,999	25	9	10	6	\$200 or more	61	3	23	35
\$35,000 to \$49,999	-	-	-	-	Median rent asked	\$78	\$78	\$75	\$81
\$50,000 or more	-	-	-	-					
Median price asked	\$15 500	...	...	...		

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

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

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

The SMSA	Sales price asked - Vacant for sale ¹						Rent asked - Vacant for rent ²						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	191	31	61	35	39	25	885	228	243	193	139	21	61
PLUMBING FACILITIES													
With all plumbing facilities	139	27	24	49	13	26	891	192	313	160	95	70	61
Lacking some or all plumbing facilities	25	25	-	-	-	-	89	60	14	15	-	-	-
BEDROOMS													
None and 1	-	-	-	-	-	-	369	148	161	60	-	-	-
2	86	37	24	25	-	-	422	90	120	68	67	16	61
3	12	-	-	12	-	-	158	14	46	16	28	54	-
4 or more	66	15	-	12	13	26	31	-	-	31	-	-	-
YEAR STRUCTURE BUILT													
1969 to March 1970	27	-	-	4	23	-	10	-	-	-	10	-	-
1960 to 1968	20	-	3	3	3	11	127	3	10	18	43	18	35
1950 to 1959	35	-	19	3	7	6	9	-	-	3	3	3	-
1949 or earlier	109	31	39	25	6	8	739	225	233	172	83	-	26
UNITS IN STRUCTURE													
1 .....	...	...	...	...	...	...	279	46	95	60	41	11	26
2 to 4 .....	...	...	...	...	...	...	374	109	109	95	61	-	-
5 to 19 .....	...	...	...	...	...	...	131	41	31	20	29	10	-
20 or more .....	...	...	...	...	...	...	101	32	8	18	8	-	35
INCLUSION OF UTILITIES IN RENT													
All utilities included .....	...	...	...	...	...	...	270	65	97	62	40	-	6
Some or no utilities included .....	...	...	...	...	...	...	615	163	146	131	99	21	55

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

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

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

Springfield	Total	Less than \$5,000	\$5,000 to \$7,499	\$7,500 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)
Specified owner occupied¹	13 590	347	928	1 643	2 197	2 576	3 349	1 193	860	399	98	14 100
ROOMS												
1 and 2 rooms	35	3	4	6	12	6	4	-	-	-	-	...
3 rooms	73	4	35	8	5	10	-	-	5	-	-	...
4 rooms	1 431	104	82	196	415	311	252	48	116	5	9	12 000
5 rooms	4 753	115	385	651	754	1 072	1 270	362	294	19	9	13 400
6 rooms	4 188	68	264	437	614	844	1 182	425	279	60	10	14 400
7 rooms	1 910	35	97	242	257	207	449	224	279	110	10	14 600
8 rooms or more	1 200	18	61	103	140	126	192	128	148	205	79	18 300
Median	5.6	5.0	5.4	5.4	5.4	5.4	5.6	5.9	6.5	7.5	...	...
PERSONS												
1 person	2 027	102	188	380	307	391	450	119	60	20	10	12 700
2 persons	4 295	175	298	453	774	722	1 053	396	263	138	23	14 000
3 persons	2 334	14	159	284	379	453	542	239	174	64	26	14 300
4 persons	2 045	21	91	214	245	414	622	212	131	80	15	15 300
5 persons	1 460	19	75	138	218	341	362	118	137	38	14	14 600
6 persons or more	1 429	16	117	174	274	255	320	109	95	59	10	13 800
Median	2.7	1.9	2.4	2.5	2.5	2.9	2.8	2.8	3.1	3.1	...	...
Units with roomers, boarders, or lodgers	233	26	27	52	49	25	44	6	4	-	-	10 600
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	13 341	263	879	1 592	2 177	2 550	3 335	1 193	860	394	98	14 200
0.50 or less	7 569	206	513	933	1 241	1 298	1 805	703	512	275	83	14 200
0.51 to 1.00	5 114	49	277	557	814	1 121	1 363	462	337	119	15	14 400
1.01 to 1.50	582	-	75	82	111	120	161	22	11	-	-	13 000
1.51 or more	76	8	14	20	11	11	6	6	-	-	-	...
Lacking some or all plumbing facilities	249	84	49	51	20	26	14	-	-	5	-	7 100
0.50 or less	209	72	45	38	9	26	14	-	-	5	-	6 800
0.51 to 1.00	36	12	4	9	11	-	-	-	-	-	-	...
1.01 to 1.50	4	-	-	4	-	-	-	-	-	-	-	...
1.51 or more	-	-	-	-	-	-	-	-	-	-	-	...
BEDROOMS												
None and 1	351	71	-	89	71	41	39	20	20	-	-	...
2	4 633	206	470	770	1 016	896	908	223	103	41	-	12 100
3	7 351	178	358	651	951	1 494	2 163	918	511	107	20	15 100
4 or more	1 345	-	86	139	129	153	284	177	149	190	38	18 100
YEAR STRUCTURE BUILT												
1969 to March 1970	91	-	-	-	-	6	24	9	28	24	-	...
1965 to 1968	578	-	5	4	24	9	172	98	169	97	-	23 800
1960 to 1964	813	-	5	-	26	130	377	121	107	36	11	18 300
1950 to 1959	3 122	21	22	87	427	771	970	421	281	99	23	16 100
1940 to 1949	1 872	18	113	187	339	338	474	209	116	68	10	14 600
1939 or earlier	7 114	308	783	1 365	1 381	1 322	1 332	335	159	75	54	12 000
COMPLETE BATHROOMS												
1 and 1 1/2	11 762	245	870	1 475	2 056	2 444	3 065	976	509	116	6	13 800
2 and 2 1/2	1 375	5	9	63	105	108	204	172	370	285	54	25 600
3 or more	107	-	-	-	-	6	6	10	25	12	48	...
None or also used by another household	299	62	59	103	23	33	12	-	-	7	-	8 200
HOUSEHOLD COMPOSITION												
Two-or-more-person households	11 563	245	740	1 263	1 890	2 185	2 899	1 074	800	379	88	14 400
Male head, wife present, no nonrelatives	9 965	152	511	991	1 634	1 926	2 594	977	731	364	83	14 700
Under 25 years	247	4	-	10	38	71	75	15	28	6	-	15 000
25 to 34 years	1 610	6	48	117	219	435	561	118	92	14	-	14 900
35 to 44 years	1 924	14	89	204	270	406	501	213	119	91	17	14 900
45 to 64 years	4 616	64	243	442	824	781	1 128	514	382	194	42	14 900
65 years and over	1 568	64	131	218	285	233	329	117	110	57	24	13 400
Other male head	391	26	55	78	40	74	70	15	13	15	5	12 300
Under 65 years	279	15	9	58	35	59	60	10	13	15	5	13 500
65 years and over	112	11	46	20	5	15	10	5	-	-	-	7 400
Female head	1 207	67	174	194	214	185	235	82	56	-	-	12 000
Under 65 years	775	37	90	115	116	155	175	53	34	-	-	13 000
65 years and over	432	30	84	79	98	30	60	29	22	-	-	10 600
One-person households	2 027	102	188	380	307	391	450	119	60	20	10	12 700
Under 65 years	795	27	84	131	127	161	188	53	19	5	-	12 900
65 years and over	1 232	75	104	249	180	230	262	66	41	15	10	12 600
INCOME IN 1969												
Less than \$2,000	1 241	120	191	234	196	201	199	66	29	5	-	11 000
\$2,000 to \$2,999	598	46	112	141	59	61	114	45	16	4	-	10 000
\$3,000 to \$3,999	536	36	64	90	104	120	81	18	13	10	-	11 900
\$4,000 to \$4,999	595	29	57	75	158	118	121	20	7	10	-	12 200
\$5,000 to \$5,999	576	13	35	129	141	110	98	28	17	5	-	12 000
\$6,000 to \$6,999	698	10	66	104	138	143	161	61	15	-	-	13 000
\$7,000 to \$9,999	3 086	46	209	369	655	729	771	174	118	15	-	13 400
\$10,000 to \$14,999	3 827	28	156	385	536	795	1 223	423	208	63	10	15 000
\$15,000 to \$24,999	1 989	11	31	98	205	284	543	302	369	122	24	18 500
\$25,000 or more	444	8	7	18	5	15	38	56	68	165	64	35 600
Median	\$9 500	\$3 200	\$6 100	\$7 400	\$8 400	\$9 200	\$10 500	\$12 200	\$15 200	\$22 200	...	...
YEAR MOVED INTO UNIT												
1969 to March 1970	1 090	-	39	101	193	199	313	76	102	53	14	15 200
1968	1 091	11	26	55	119	242	306	133	146	53	-	16 000
1967	713	-	22	52	95	136	194	72	81	59	-	16 000
1965 and 1966	1 580	25	98	189	201	266	489	112	154	46	-	15 100
1960 to 1964	2 423	48	150	223	333	584	622	235	125	67	36	14 500
1950 to 1959	3 628	58	308	425	580	722	852	345	214	91	33	14 000
1949 or earlier	3 018	170	295	596	663	442	509	185	82	51	25	11 700
HEATING EQUIPMENT												
Steam or hot water	521	8	32	50	65	72	133	32	28	75	26	16 100
Warm-air furnace	11 083	83	453	1 204	1 748	2 191	3 050	1 145	813	324	72	14 800
Built-in electric units	33	-	6	5	8	5	-	-	9	-	-	...
Floor, wall, or pipeless furnace	874	38	89	141	244	218	134	5	5	-	-	11 700
Other means	1 074	218	343	243	132	90	32	11	5	-	-	7 300
None	5	-	5	-	-	-	-	-	-	-	-	...
AIR CONDITIONING												
Room unit(s)	2 337	16	99	209	357	458	677	272	174	61	14	15 200
Central system	1 075	7	9	19	25	79	217	168	298	184	69	25 500
None	10 131	289	830	1 413	1 802	2 054	2 393	718	432	175	25	13 400

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

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

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

Springfield	Total	Less than \$50	\$50 to \$59	\$60 to \$69	\$70 to \$79	\$80 to \$99	\$100 to \$119	\$120 to \$149	\$150 to \$199	\$200 to \$299	\$300 or more	No cash rent	Median (dollars)
Specified renter occupied¹	11 360	689	538	1 059	1 256	3 212	2 264	1 283	445	138	28	448	92
ROOMS													
1 room	301	192	13	38	33	6	—	6	—	—	—	13	50—
2 rooms	533	160	92	86	56	72	42	20	—	—	—	5	61
3 rooms	2 261	211	140	369	375	708	246	112	37	17	7	39	80
4 rooms	2 656	68	171	254	304	821	562	261	107	52	5	51	91
5 rooms	3 188	45	107	224	383	1 006	744	359	149	31	—	140	96
6 rooms	1 705	9	15	68	84	442	501	347	94	20	—	125	107
7 rooms	513	—	—	9	21	139	139	105	30	9	16	45	109
8 rooms or more	203	4	—	11	—	18	30	73	28	9	—	30	130
Median	4.4	2.5	3.6	3.6	4.0	4.5	4.9	5.2	5.0	4.5	—	5.3	—
PERSONS													
1 person	3 169	557	286	420	423	731	296	197	58	37	13	151	76
2 persons	3 097	65	174	350	365	911	621	328	114	34	7	128	91
3 persons	1 950	26	30	140	192	621	461	237	128	27	—	88	97
4 persons	1 445	17	22	73	136	455	436	179	57	29	—	41	100
5 persons	755	6	15	31	74	180	235	157	25	6	—	26	105
6 persons or more	944	18	11	45	66	314	215	185	63	5	8	14	101
Median	2.3	1.1	1.4	1.8	2.1	2.5	3.0	3.0	2.9	2.4	—	2.1	—
Units with roomers, boarders, or lodgers	244	20	15	22	20	68	46	29	17	7	—	—	94
PLUMBING FACILITIES BY PERSONS PER ROOM													
With all plumbing facilities	10 706	423	464	980	1 198	3 115	2 254	1 267	440	134	28	403	93
0.50 or less	5 299	329	334	523	603	1 415	946	597	187	88	13	264	90
0.51 to 1.00	4 535	82	104	388	488	1 399	1 097	561	237	41	7	131	96
1.01 to 1.50	702	6	21	49	88	252	180	79	6	5	8	8	94
1.51 or more	170	6	5	20	19	49	31	30	10	—	—	—	96
Lacking some or all plumbing facilities	654	266	74	79	58	97	10	16	5	4	—	45	58
0.50 or less	273	83	65	34	27	27	4	5	5	—	—	22	50—
0.51 to 1.00	317	157	9	40	26	53	6	—	—	4	—	—	—
1.01 to 1.50	33	—	—	5	—	17	—	—	—	—	—	—	—
1.51 or more	31	26	—	—	—	—	—	—	—	—	—	—	—
BEDROOMS													
None	341	170	22	22	60	—	23	21	—	—	—	23	—
1	3 549	341	295	601	423	1 205	478	167	39	—	—	—	82
2	4 560	64	99	365	511	1 312	1 163	623	190	21	20	192	97
3 or more	2 818	24	39	227	106	739	865	492	133	40	23	130	105
YEAR STRUCTURE BUILT													
1969 to March 1970	159	86	6	5	4	—	15	5	26	12	—	—	50—
1965 to 1968	611	135	37	19	—	33	93	101	104	71	12	6	117
1960 to 1964	433	19	10	15	25	58	84	140	64	13	—	5	121
1950 to 1959	457	9	34	46	180	142	133	69	9	—	—	44	105
1940 to 1949	1 556	40	43	126	196	437	454	168	22	—	8	53	95
1939 or earlier	7 944	409	433	860	985	2 504	1 476	736	160	33	8	340	89
ELEVATOR IN STRUCTURE													
4 floors or more	357	211	40	—	42	—	—	44	—	—	—	20	—
With elevator	291	145	40	—	42	—	—	44	—	—	—	20	—
Walk-up	66	66	—	—	—	—	—	—	—	—	—	—	—
1 to 3 floors	10 911	388	415	1 215	1 058	3 256	2 529	1 259	362	61	23	345	94
COMPLETE BATHROOMS													
1 and 1 1/2	10 352	441	480	911	1 165	3 026	2 158	1 232	436	93	11	399	93
2 or more	249	11	5	15	14	11	23	63	16	56	6	49	135
None or also used by another household	735	251	78	66	128	124	23	19	7	4	—	35	63
INCOME IN 1969													
Less than \$2,000	2 249	404	203	309	225	524	309	100	25	19	5	126	76
\$2,000 to \$2,999	981	104	109	107	136	244	133	58	21	10	—	59	80
\$3,000 to \$3,999	901	31	44	130	164	263	146	71	29	—	—	23	85
\$4,000 to \$4,999	826	28	28	85	118	280	138	97	18	—	—	34	90
\$5,000 to \$5,999	852	27	35	102	131	254	202	60	11	5	—	25	88
\$6,000 to \$6,999	879	28	15	102	86	321	175	102	6	7	—	37	91
\$7,000 to \$7,999	2 375	26	56	135	249	726	611	356	118	18	16	64	99
\$8,000 to \$8,999	1 686	28	31	72	122	461	433	296	172	13	—	58	105
\$9,000 to \$14,999	524	13	17	17	20	129	98	121	40	47	—	22	111
\$15,000 to \$24,999	87	—	—	—	5	10	19	22	5	19	7	—	—
\$25,000 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
Median	\$5 900	\$2000—	\$2 600	\$3 900	\$4 900	\$6 100	\$7 100	\$8 300	\$9 900	\$13 800	—	\$4 500	—
YEAR MOVED INTO UNIT													
1969 to March 1970	4 948	297	124	350	547	1 400	1 096	632	352	70	6	74	96
1968	1 609	139	81	99	150	478	326	229	53	21	—	33	92
1967	957	44	35	108	91	252	211	132	17	41	—	26	96
1965 and 1966	1 155	71	91	152	155	294	203	107	15	15	—	52	86
1960 to 1964	1 246	48	66	107	142	392	221	172	6	6	11	75	93
1950 to 1959	907	42	112	110	139	239	113	29	6	—	—	117	79
1949 or earlier	534	62	54	66	83	106	34	13	10	—	—	106	74
GROSS RENT AS PERCENTAGE OF INCOME													
Less than 10 percent	1 236	116	104	151	200	347	186	92	14	19	7	—	82
10 to 14 percent	2 344	52	55	224	271	888	527	252	57	18	—	—	93
15 to 19 percent	1 915	48	44	130	177	558	508	289	124	37	—	—	100
20 to 24 percent	1 204	77	54	127	126	262	237	120	101	—	—	—	96
25 to 34 percent	1 293	164	87	97	167	322	247	143	50	16	—	—	88
35 percent or more	2 689	221	194	300	274	796	491	254	94	44	21	—	88
Not computed	679	11	—	30	41	39	68	33	5	4	—	448	95
AIR CONDITIONING													
Room unit(s)	1 215	29	15	73	101	371	290	179	61	20	—	76	99
Central system	452	—	7	—	—	35	29	142	150	83	6	—	154
None	9 689	674	541	919	1 206	2 755	1 885	993	248	50	11	407	89

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

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

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

Springfield	Total	Less than \$2,000	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 or more	Median (dollars)
Owner occupied housing units	15 305	1 532	704	632	700	697	798	3 518	4 149	2 121	454	9 200
ROOMS												
1 and 2 rooms	55	17	-	4	4	-	6	24	-	-	-	...
3 rooms	180	50	19	23	11	5	20	32	15	5	-	3 900
4 rooms	1 751	280	101	100	105	119	158	420	363	76	29	7 100
5 rooms	5 319	556	249	234	318	278	301	1 360	1 458	510	55	8 600
6 rooms	4 629	380	217	156	158	242	177	1 042	1 401	774	82	9 800
7 rooms or more	3 371	249	118	115	104	53	136	640	912	756	288	11 500
PERSONS												
1 person	2 520	1 003	342	238	200	116	124	302	154	38	3	2 800
2 persons	4 901	377	275	297	337	364	377	1 148	1 054	511	161	8 100
3 and 4 persons	4 766	95	58	67	121	147	192	1 219	1 783	909	175	11 400
5 persons	1 569	27	21	16	31	37	51	427	616	292	51	11 400
6 persons or more	1 549	30	8	14	11	33	54	422	542	371	64	11 900
Units with roomers, boarders, or lodgers	298	93	10	31	14	4	15	71	48	12	-	5 300
BEDROOMS												
Less than 3	5 839	882	417	395	334	477	301	1 276	1 272	445	40	7 300
3	7 814	537	368	205	269	199	396	1 907	2 564	1 228	141	10 100
4 or more	1 507	39	44	51	36	-	35	281	443	453	125	13 000
YEAR STRUCTURE BUILT												
1969 to March 1970	100	10	4	-	-	6	11	17	21	24	7	10 500
1960 to 1968	1 419	95	41	17	45	15	21	331	485	281	88	11 500
1950 to 1959	3 197	191	69	119	129	103	139	735	1 008	585	119	10 600
1949 or earlier	10 589	1 236	590	496	526	573	627	2 435	2 635	1 231	240	8 500
YEAR MOVED INTO UNIT												
1969 to March 1970	1 260	68	32	41	38	89	78	306	406	180	22	9 800
1968	1 199	83	19	-	69	52	66	270	398	187	55	10 500
1960 to 1967	5 152	373	178	127	161	129	222	1 460	1 601	699	202	9 800
1959 or earlier	7 688	1 009	424	488	455	442	428	1 505	1 681	1 034	222	8 200
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	11 566	691	446	373	362	442	599	2 740	3 645	1 982	286	10 200
Clothes dryer	9 801	540	343	316	341	280	329	2 295	3 279	1 813	265	10 700
Dishwasher	2 300	73	20	43	44	43	43	334	796	433	125	13 500
Home food freezer	4 233	99	122	102	98	125	139	1 103	1 460	839	146	11 100
Owned second home	523	118	20	22	-	43	-	124	73	83	40	8 400
With air conditioning	3 767	170	96	98	111	95	214	763	1 069	841	310	11 600
Room unit(s)	2 648	140	61	71	100	81	171	617	785	521	101	10 500
Central system	1 119	30	35	27	11	14	43	146	284	320	209	14 500
Automobiles available:												
1	7 209	668	365	369	449	452	517	2 182	1 740	421	46	8 100
2	5 162	92	49	93	80	165	192	1 118	1 867	1 184	322	12 100
3 or more	1 100	14	-	8	7	18	6	115	347	457	128	15 800
Renter occupied housing units	11 408	2 259	985	905	826	857	879	2 385	1 701	524	87	5 900
ROOMS												
1 room	301	113	51	23	11	17	17	27	23	19	-	2 700
2 rooms	533	280	65	46	24	30	15	51	15	7	-	2000--
3 rooms	2 261	596	247	282	219	190	147	338	189	35	18	4 000
4 rooms	2 461	515	240	234	220	187	284	536	316	108	21	5 600
5 rooms	3 214	489	258	217	224	268	211	765	603	145	34	6 700
6 rooms or more	2 438	266	124	103	128	165	205	668	555	210	14	8 000
PERSONS												
1 person	3 184	1 346	375	335	226	209	153	369	139	21	11	2 700
2 persons	3 102	431	326	267	246	237	256	636	491	160	52	6 200
3 and 4 persons	3 410	351	187	222	238	274	324	937	666	201	10	7 300
5 persons	759	45	38	38	50	69	56	196	191	62	14	8 300
6 persons or more	953	86	59	43	66	68	90	247	214	80	-	7 800
Units with roomers, boarders, or lodgers	244	91	29	34	5	17	10	32	14	12	-	3 100
BEDROOMS												
None	341	108	42	42	20	41	-	67	-	21	-	...
1	3 549	1 085	346	495	200	227	238	581	273	64	40	3 700
2	4 580	662	280	491	365	369	374	1 010	751	238	40	6 300
3 or more	2 842	302	220	121	125	276	151	707	699	220	21	8 000
YEAR STRUCTURE BUILT												
1969 to March 1970	159	81	10	13	5	-	-	21	17	5	7	2 000
1960 to 1968	1 060	238	88	80	65	52	42	189	180	100	26	6 200
1950 to 1959	666	85	55	30	48	31	46	186	141	39	5	7 600
1949 or earlier	9 523	1 855	832	782	708	774	791	1 989	1 363	380	49	5 800
YEAR MOVED INTO UNIT												
1969 to March 1970	4 977	983	332	425	504	402	345	1 066	707	206	7	5 600
1968	1 609	332	103	101	56	118	192	406	226	75	-	6 500
1960 to 1967	3 368	582	366	179	244	209	292	718	569	159	50	6 400
1959 or earlier	1 454	397	176	108	76	120	98	209	187	66	17	4 600
GROSS RENT AS PERCENTAGE OF INCOME												
Specified renter occupied ¹	11 360	2 249	981	901	826	852	879	2 375	1 686	524	87	5 800
less than 15 percent	3 580	-	7	11	33	111	241	1 243	1 374	473	87	10 500
15 to 19 percent	1 915	5	23	46	130	330	384	746	222	29	-	7 200
20 to 24 percent	1 204	31	77	180	250	230	160	249	27	-	-	5 300
25 to 34 percent	1 293	145	238	357	303	145	50	50	5	-	-	3 700
35 percent or more	2 689	1 711	577	284	76	11	7	23	-	-	-	2000--
Not computed	679	357	59	23	34	25	37	64	58	22	-	2000--
SELECTED CHARACTERISTICS												
Automatic clothes washing machine	4 304	559	209	292	183	246	226	1 312	966	248	63	8 000
Clothes dryer	3 354	336	151	184	122	198	283	961	907	191	21	8 300
Dishwasher	559	37	-	54	18	25	42	108	151	104	20	9 900
Home food freezer	737	29	57	38	21	71	46	143	265	67	-	9 200
Owned second home	173	41	28	-	-	-	-	23	21	21	39	8 000
With air conditioning	1 674	223	88	84	165	89	53	411	390	122	49	7 900
Room unit(s)	1 222	163	68	68	114	60	46	314	302	56	31	7 900
Central system	452	60	20	16	51	29	7	97	88	66	18	8 300
Automobiles available:												
1	6 082	777	459	457	560	507	620	1 575	885	224	18	6 500
2	2 156	126	25	73	124	132	182	580	649	209	56	9 200
3 or more	321	36	7	13	-	23	15	80	88	59	-	9 500

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

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

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

Springfield	With all plumbing facilities						Lacking some or all plumbing facilities				
	Total	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more	Total	0.50 or less	0.51 to 1.00	1.01 to 1.50	1.51 or more
Owner occupied housing units	15 305	15 009	8 752	5 527	438	92	296	250	42	4	-
PERSONS											
1 person	2 520	2 419	2 412	7	-	-	101	101	-	-	-
2 persons	4 901	4 772	4 732	35	-	5	129	124	5	-	-
3 persons	2 561	2 536	1 319	1 211	-	6	25	19	6	-	-
4 persons	2 205	2 187	226	1 951	10	-	18	6	13	-	-
5 persons	1 569	1 550	63	1 436	46	5	4	-	-	4	-
6 persons or more	1 549	1 545	-	887	582	76	1.9	1.7	...	...	-
Median	2.6	2.6	1.9	4.3	6.6	...	11	11	-	-	-
Units with roomers, boarders, or lodgers	298	287	143	123	10	11	-	-	-	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	75	75	28	47	-	-	-	-	-	-	-
1965 to 1968	590	590	280	310	-	-	-	-	-	-	-
1960 to 1964	797	797	386	359	52	16	38	26	12	-	-
1950 to 1959	3 223	3 185	1 573	1 437	159	16	24	19	-	5	-
1940 to 1949	1 921	1 897	1 054	755	75	13	232	196	36	-	-
1939 or earlier	8 693	8 461	5 372	2 660	350	79	-	-	-	-	-
INCOME IN 1969											
Less than \$2,000	1 532	1 425	1 298	109	13	5	107	107	-	-	-
\$2,000 to \$2,999	704	677	624	49	4	-	27	27	-	-	-
\$3,000 to \$3,999	632	606	531	61	8	6	26	26	-	-	-
\$4,000 to \$4,999	700	696	565	127	4	-	4	4	-	-	-
\$5,000 to \$5,999	697	689	529	141	19	-	8	8	-	-	-
\$6,000 to \$6,999	798	784	548	196	40	-	14	9	5	-	-
\$7,000 to \$9,999	3 518	3 469	1 696	1 522	213	38	49	35	10	4	-
\$10,000 to \$14,999	4 149	4 115	1 742	2 158	211	4	34	25	9	-	-
\$15,000 to \$24,999	2 121	2 099	928	1 038	102	31	22	4	18	-	-
\$25,000 or more	454	449	291	126	24	8	5	5	-	-	-
Median	\$9 200	\$9 300	\$7 500	\$11 300	\$10 400	...	\$3 500	\$2 700	...	...	-
VALUE-INCOME RATIO											
Specified owner occupied ¹	13 590	13 341	7 569	5 114	582	76	249	209	36	4	-
Less than 1.5	5 964	5 856	2 558	2 860	368	70	108	73	31	4	-
1.5 to 1.9	2 833	2 797	1 340	1 300	157	6	36	31	5	-	-
2.0 to 2.4	1 320	1 300	790	475	29	-	20	20	-	-	-
2.5 to 2.9	765	757	566	187	4	-	8	8	-	-	-
3.0 to 3.9	918	897	763	127	7	-	21	21	-	-	-
4.0 or more	1 654	1 608	1 441	150	17	-	46	46	-	-	-
Not computed	136	126	111	15	-	-	10	10	-	-	-
HEATING EQUIPMENT											
Steam or hot water	662	652	421	204	15	12	10	5	5	-	-
Warm-air furnace	12 346	12 250	7 103	4 621	460	66	96	79	17	-	-
Built-in electric units	33	28	10	7	11	-	5	5	-	-	-
Floor, wall, or pipeless furnace	933	911	481	389	41	-	22	18	-	4	-
Other means	1 326	1 163	732	306	111	14	163	143	20	-	-
None	5	5	5	-	-	-	-	-	-	-	-
Renter occupied housing units	11 408	10 754	5 324	4 553	707	170	654	273	317	33	31
PERSONS											
1 person	3 184	2 787	2 692	95	-	-	397	223	174	-	-
2 persons	3 102	3 005	2 157	842	-	6	97	34	54	-	9
3 persons	1 955	1 894	438	1 447	9	-	61	16	41	-	4
4 persons	1 455	1 418	27	1 300	86	5	37	-	25	5	7
5 persons	759	728	10	580	103	35	31	-	17	14	11
6 persons or more	953	922	-	289	509	124	13	-	6	...	...
Median	2.3	2.4	1.5	3.4	6.2	7.4	3.1	1.1	1.4	...	...
Units with roomers, boarders, or lodgers	244	229	114	84	21	10	15	4	11	-	-
YEAR STRUCTURE BUILT											
1969 to March 1970	164	164	114	45	5	-	-	-	-	-	-
1965 to 1968	625	625	355	255	15	-	-	-	-	-	-
1960 to 1964	420	420	214	147	51	8	15	-	15	-	-
1950 to 1959	671	656	317	299	40	-	97	19	57	16	5
1940 to 1949	1 489	1 392	644	645	99	4	462	216	205	6	35
1939 or earlier	8 039	7 577	3 727	3 225	490	133	-	-	-	-	-
INCOME IN 1969											
Less than \$2,000	2 259	2 000	1 396	532	63	9	259	143	112	4	-
\$2,000 to \$2,999	985	902	545	295	53	9	83	39	40	-	4
\$3,000 to \$3,999	905	838	464	294	51	29	67	28	34	5	-
\$4,000 to \$4,999	826	796	431	295	49	21	30	6	14	5	5
\$5,000 to \$5,999	857	810	359	346	68	37	47	8	39	-	-
\$6,000 to \$6,999	879	821	345	385	76	15	58	7	34	13	4
\$7,000 to \$9,999	2 385	2 346	918	1 220	194	14	39	24	15	-	-
\$10,000 to \$14,999	1 701	1 650	592	930	98	30	51	11	29	6	5
\$15,000 to \$24,999	524	504	218	225	55	6	20	7	-	-	13
\$25,000 or more	87	87	56	31	-	-	-	-	-	-	-
Median	\$5 900	\$6 000	\$4 600	\$7 300	\$6 900	\$5 500	\$2 800	\$2000-	\$3 200	...	...
GROSS RENT AS PERCENTAGE OF INCOME											
Specified renter occupied ²	11 360	10 706	5 299	4 535	702	170	654	273	317	33	31
less than 10 percent	1 236	1 124	441	556	106	21	112	38	52	-	22
10 to 14 percent	2 344	2 278	927	1 169	157	25	66	21	45	-	-
15 to 19 percent	1 915	1 853	728	913	166	46	62	14	29	19	-
20 to 24 percent	1 204	1 113	465	545	78	25	91	34	43	10	4
25 to 34 percent	1 293	1 202	728	400	48	26	175	106	65	4	-
35 percent or more	2 689	2 514	1 616	741	130	27	57	23	34	-	-
Not computed	679	622	394	211	17	-	-	-	-	-	-
HEATING EQUIPMENT											
Steam or hot water	1 054	969	611	319	22	17	85	23	62	-	12
Warm-air furnace	6 361	6 172	3 262	2 550	298	62	189	86	81	10	-
Built-in electric units	66	46	26	34	6	-	-	-	7	-	5
Floor, wall, or pipeless furnace	630	618	229	297	62	30	12	-	-	23	14
Other means	3 273	2 905	1 177	1 353	314	61	368	164	167	-	-
None	24	24	19	-	5	-	-	-	-	-	-

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

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

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

Springfield	Total	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms or more	Median
Owner occupied housing units	15 305	18	37	180	1 751	5 319	4 629	2 063	1 308	5.6
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	14 893	9	31	158	1 683	5 195	4 559	2 019	1 239	5.6
PERSONS										
1 person	2 520	7	28	121	480	912	624	227	121	5.2
2 persons	4 901	5	9	31	824	1 924	1 362	465	281	5.3
3 persons	2 561	6	—	6	215	996	844	349	145	5.6
4 persons	2 205	—	—	10	159	705	758	347	226	5.8
5 persons	1 569	—	—	5	46	408	545	344	221	6.1
6 persons or more	1 549	—	—	7	27	374	496	331	314	6.2
Median	2.6	...	...	1.2	2.0	2.4	2.9	3.5	4.0	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	15 009	18	28	165	1 704	5 241	4 551	2 030	1 272	5.6
0.50 or less	8 752	—	19	111	1 264	2 777	2 758	1 017	806	5.6
0.51 to 1.00	5 527	7	9	32	367	2 094	1 602	968	448	5.7
1.01 to 1.50	638	—	—	10	65	320	180	45	18	5.3
1.51 or more	92	11	—	12	8	50	11	—	—	...
Lacking some or all plumbing facilities	296	—	9	15	47	78	78	33	36	5.5
0.50 or less	250	—	9	10	40	59	72	24	36	5.6
0.51 to 1.00	42	—	—	5	7	15	6	9	—	...
1.01 to 1.50	4	—	—	—	—	4	—	—	—	...
1.51 or more	—	—	—	—	—	—	—	—	—	...
BEDROOMS										
None and 1	568	21	20	175	269	44	14	25	—	3.8
2	5 271	—	—	—	1 487	3 049	583	152	—	4.9
3	7 814	—	—	—	40	2 263	3 680	1 473	358	5.9
4 or more	1 507	—	—	—	—	21	179	404	903	7.5+
YEAR STRUCTURE BUILT										
1969 to March 1970	100	—	—	4	10	24	19	19	24	6.1
1960 to 1968	1 419	7	—	4	48	559	408	238	155	5.7
1950 to 1959	3 197	—	10	13	564	1 440	849	234	87	5.2
1949 or earlier	10 589	11	27	159	1 129	3 296	3 353	1 572	1 042	5.7
COMPLETE BATHROOMS										
1 and 1/2	13 159	17	31	145	1 602	5 006	4 085	1 606	667	5.5
2 or more	1 764	—	—	13	81	195	480	418	577	6.8
None or also used by another household	376	—	12	26	55	116	79	51	37	5.3
VALUE-INCOME RATIO										
Specified owner occupied ¹	13 590	18	17	73	1 431	4 753	4 188	1 910	1 200	5.6
Less than 1.5	5 964	11	7	8	555	1 990	1 947	869	577	5.7
1.5 to 1.9	2 833	—	—	27	274	1 098	846	361	227	5.5
2.0 to 2.9	2 085	—	6	17	223	668	651	306	214	5.7
3.0 or more	2 572	7	4	21	359	950	691	364	176	5.4
Not computed	136	—	—	—	20	47	53	10	6	5.5
Renter occupied housing units	11 408	301	533	2 261	2 661	3 214	1 717	513	208	4.5
Units with 1 or more bathrooms and complete kitchen facilities for exclusive use, and direct access	10 562	27	396	2 236	2 533	3 007	1 667	485	211	4.5
PERSONS										
1 person	3 184	269	444	1 065	744	409	162	52	39	3.3
2 persons	3 102	15	70	826	855	913	319	70	34	4.2
3 persons	1 955	4	9	233	512	743	359	71	24	4.8
4 persons	1 455	7	5	91	342	563	334	86	27	5.0
5 persons	759	—	—	35	117	226	280	75	26	5.5
6 persons or more	953	6	5	11	91	360	263	159	58	5.5
Median	2.3	1.1	1.1	1.6	2.2	2.9	3.6	4.2	3.8	...
PLUMBING FACILITIES BY PERSONS PER ROOM										
With all plumbing facilities	10 754	101	420	2 163	2 539	3 151	1 663	513	204	4.5
0.50 or less	5 324	—	350	1 007	1 547	1 289	808	193	130	4.3
0.51 to 1.00	4 553	95	51	1 024	807	1 507	719	287	63	4.7
1.01 to 1.50	707	—	9	86	149	297	126	29	11	4.9
1.51 or more	170	6	10	46	36	58	10	4	—	4.1
Lacking some or all plumbing facilities	654	200	113	98	122	63	54	—	4	2.6
0.50 or less	273	—	94	58	52	33	32	—	4	3.2
0.51 to 1.00	317	174	19	35	47	25	17	—	—	1.4
1.01 to 1.50	33	—	—	5	23	—	5	—	—	...
1.51 or more	31	26	—	—	—	5	—	—	—	...
BEDROOMS										
None	341	300	41	—	—	—	—	—	—	...
1	3 549	—	568	1 810	975	134	62	—	—	3.2
2	4 580	—	—	193	1 640	2 368	310	42	27	4.7
3 or more	2 842	—	—	—	41	828	1 262	565	146	5.9
YEAR STRUCTURE BUILT										
1969 to March 1970	159	—	32	74	25	24	—	—	4	3.1
1960 to 1968	1 060	20	88	259	407	194	81	6	5	3.9
1950 to 1959	666	—	26	117	220	232	65	6	—	4.4
1949 or earlier	9 523	281	387	1 811	2 009	2 764	1 571	501	199	4.6
COMPLETE BATHROOMS										
1 and 1/2	10 388	87	388	2 230	2 490	2 948	1 634	432	179	4.5
2 or more	285	—	8	22	53	77	40	53	32	5.3
None or also used by another household	735	196	106	92	118	131	79	—	13	3.2
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	11 360	301	533	2 261	2 656	3 188	1 705	513	203	4.5
Less than 10 percent	1 236	83	59	205	262	378	191	54	4	4.5
10 to 14 percent	2 344	31	43	387	476	776	460	126	45	4.8
15 to 19 percent	1 915	11	38	294	572	472	390	97	41	4.6
20 to 24 percent	1 204	46	40	233	232	415	151	45	42	4.6
25 to 34 percent	1 293	48	103	352	300	312	139	34	5	4.0
35 percent or more	2 689	56	211	706	700	659	218	107	32	4.0
Not computed	679	26	39	84	114	176	156	50	34	4.9

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

²Excludes one-family homes on 10 acres or more.

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

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

Springfield	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	15 305	13 866	1 431	8	11 408	3 591	3 720	2 242	776	396	678	5
ROOMS												
1 room	18	18	-	-	301	7	5	25	87	21	156	-
2 rooms	37	17	16	4	533	30	67	129	112	21	174	-
3 rooms	180	77	99	4	2 261	189	472	991	258	132	219	-
4 rooms	1 751	1 452	299	-	2 661	641	878	706	166	153	112	5
5 rooms	5 319	4 819	500	-	3 214	1 304	1 443	297	93	60	17	-
6 rooms	4 629	4 293	336	-	1 717	876	724	67	46	4	-	-
7 rooms	2 063	1 944	119	-	513	374	108	21	10	-	-	-
8 rooms or more	1 308	1 246	62	-	208	170	23	6	4	5	-	-
Median	5.6	5.6	5.1	...	4.5	5.2	4.8	3.5	3.2	3.7	2.5	...
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	15 009	13 617	1 388	4	10 754	3 484	3 589	2 103	621	380	572	5
0.50 or less	8 752	7 741	1 007	4	5 324	1 581	1 587	1 092	406	232	426	-
0.51 to 1.00	5 527	5 214	313	-	4 553	1 591	1 692	801	186	138	140	5
1.01 to 1.50	638	582	56	-	707	262	248	169	11	10	-	-
1.51 or more	92	80	12	-	170	50	62	41	-	-	6	-
Lacking some or all plumbing facilities	296	249	43	4	654	107	131	139	155	16	106	-
0.50 or less	250	209	37	4	273	52	77	70	57	5	12	-
0.51 to 1.00	42	36	6	-	317	47	40	41	84	11	94	-
1.01 to 1.50	4	4	-	-	33	8	14	11	-	-	-	-
1.51 or more	-	-	-	-	31	-	-	17	14	-	-	-
BEDROOMS												
None	21	21	-	-	341	23	23	-	103	19	173	-
1	547	330	217	-	3 549	386	689	1 553	401	219	301	-
2	5 271	4 701	570	-	4 580	1 497	1 857	855	119	163	89	-
3	7 814	7 440	374	-	2 366	1 202	951	119	94	-	-	-
4 or more	1 507	1 426	81	-	476	295	158	23	-	-	-	-
YEAR STRUCTURE BUILT												
1969 to March 1970	100	91	9	-	159	4	15	10	19	20	91	-
1965 to 1968	583	578	5	-	622	89	31	113	55	98	236	-
1960 to 1964	836	827	5	4	438	136	44	73	31	50	59	5
1950 to 1959	3 197	3 159	34	4	666	394	122	88	33	15	14	-
1940 to 1949	1 993	1 886	107	-	1 561	573	532	332	90	23	11	-
1939 or earlier	8 596	7 325	1 271	-	7 962	2 395	2 976	1 626	548	150	267	-
INCOME IN 1969												
Less than \$2,000	1 532	1 298	230	4	2 259	494	610	584	195	63	313	-
\$2,000 to \$2,999	704	598	106	-	985	335	241	205	85	20	99	-
\$3,000 to \$3,999	632	559	73	-	905	179	253	244	102	65	62	-
\$4,000 to \$4,999	700	605	91	4	826	201	333	191	34	39	28	-
\$5,000 to \$5,999	697	585	112	-	857	218	348	167	65	26	33	-
\$6,000 to \$6,999	798	711	87	-	879	299	274	225	45	19	17	-
\$7,000 to \$9,999	3 518	3 134	384	-	2 385	864	923	361	109	80	43	5
\$10,000 to \$14,999	4 149	3 914	235	-	1 701	799	535	185	78	55	49	-
\$15,000 to \$24,999	2 121	2 018	103	-	524	190	189	66	40	25	14	-
\$25,000 or more	454	444	10	-	87	12	14	14	23	4	20	-
Median	\$9 200	\$9 500	\$7 100	...	\$5 900	\$7 200	\$6 300	\$4 500	\$4 200	\$5 400	\$2 300	...
YEAR MOVED INTO UNIT												
1969 to March 1970	1 260	1 129	131	-	4 977	1 336	1 715	1 000	342	235	349	-
1968	1 199	1 091	108	-	1 609	520	461	298	151	27	146	6
1967	763	713	44	6	957	341	281	157	49	32	97	-
1965 and 1966	1 698	1 602	96	-	1 159	365	417	244	54	30	49	-
1960 to 1964	2 491	2 479	212	-	1 252	504	435	168	69	40	36	-
1950 to 1959	3 771	3 470	296	5	798	313	237	131	88	19	10	-
1949 or earlier	3 917	3 342	575	-	656	243	221	144	35	8	5	-
GROSS RENT												
Specified renter occupied ¹	...	...	...	...	11 360	3 543	3 720	2 242	776	396	678	5
Less than \$50	...	...	...	...	689	56	89	122	107	37	278	-
\$50 to \$59	...	...	...	...	538	74	134	239	59	10	22	-
\$60 to \$69	...	...	...	...	1 059	213	308	329	104	24	81	-
\$70 to \$79	...	...	...	...	1 256	301	455	308	113	24	55	-
\$80 to \$89	...	...	...	...	3 212	961	1 265	692	166	58	65	5
\$100 to \$109	...	...	...	...	2 264	784	959	329	123	39	30	-
\$110 to \$119	...	...	...	...	1 283	583	365	126	47	99	63	-
\$120 to \$149	...	...	...	...	445	199	64	35	39	79	29	-
\$150 to \$199	...	...	...	...	138	43	11	18	13	21	32	-
\$200 to \$299	...	...	...	...	28	16	-	-	-	-	12	-
\$300 or more	...	...	...	...	448	313	70	44	5	5	11	-
No cash rent	...	...	...	...	...	...	...	...	...	...	...	...
Median	...	...	...	...	\$92	\$100	\$93	\$82	\$80	\$121	\$64	...
HEATING EQUIPMENT												
Steam or hot water	662	563	99	-	1 054	72	140	254	130	72	386	-
Warm-air furnace	12 346	11 289	1 057	-	6 361	2 237	2 128	1 172	380	245	194	5
Built-in electric units	33	33	-	-	66	15	24	11	-	7	9	-
Floor, wall, or pipeless furnace	933	883	50	-	630	272	196	87	47	-	28	-
Other means	1 326	1 093	225	8	3 273	995	1 221	705	219	72	61	-
None	5	5	-	-	24	-	11	13	-	-	-	-
AIR CONDITIONING												
Room unit(s)	2 648	2 395	253	-	1 222	383	333	230	102	48	126	-
Central system	1 119	1 101	18	-	452	57	6	43	49	182	115	-
None	11 532	10 330	1 191	11	9 734	3 182	3 428	1 869	637	161	451	6
AUTOMOBILES AVAILABLE												
1	7 209	6 440	744	5	6 082	1 846	2 237	1 031	452	231	279	6
2	5 162	4 857	305	-	2 156	952	668	283	96	99	58	-
3 or more	1 100	1 013	87	-	321	178	102	26	15	-	-	-
None	1 828	1 496	326	6	2 849	646	760	802	225	61	355	-

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

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

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

Springfield

	Total	Two-or-more-person households								One-person households		
		Male head, wife present, no nonrelatives					Other male head		Female head		Under 65 years	65 years and over
		Under 25 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Under 65 years	65 years and over	Under 65 years	65 years and over		
Owner occupied housing units	15 305	272	1 739	2 039	5 038	1 813	323	149	890	522	975	1 545
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	15 009	268	1 733	2 025	4 961	1 782	312	144	886	479	951	1 468
0.50 or less	8 752	117	292	290	2 912	1 570	151	135	481	392	944	1 468
0.51 to 1.00	5 527	151	1 269	1 464	1 857	194	138	9	368	70	7	-
1.01 to 1.50	638	-	166	241	141	18	23	-	37	12	-	-
1.51 or more	92	-	6	30	51	-	-	-	5	5	-	-
Lacking some or all plumbing facilities	296	4	6	14	77	31	11	5	4	43	24	77
0.50 or less	250	4	-	10	46	31	6	5	4	43	24	77
0.51 to 1.00	42	-	6	4	27	-	5	-	-	-	-	-
1.01 to 1.50	4	-	-	-	4	-	-	-	-	-	-	-
1.51 or more	-	-	-	-	-	-	-	-	-	-	-	-
UNITS IN STRUCTURE												
1	13 866	247	1 625	1 957	4 703	1 594	290	127	798	446	811	1 268
2 or more	1 431	25	114	82	335	219	33	22	92	76	164	269
Mobile home or trailer	8	-	-	-	-	-	-	-	-	-	-	8
INCOME IN 1969												
Less than \$2,000	1 532	15	5	25	77	114	13	25	112	143	227	776
\$2,000 to \$2,999	704	6	9	4	42	188	6	26	33	48	88	254
\$3,000 to \$3,999	632	4	12	6	31	196	-	20	76	49	81	157
\$4,000 to \$4,999	700	23	19	22	96	226	10	19	38	47	58	142
\$5,000 to \$5,999	697	11	24	23	173	197	16	22	85	30	88	28
\$6,000 to \$6,999	798	21	61	50	211	158	10	11	102	50	81	43
\$7,000 to \$9,999	3 518	79	686	537	1 304	237	87	10	213	63	239	63
\$10,000 to \$14,999	4 149	107	749	864	1 613	295	116	10	176	65	94	60
\$15,000 to \$24,999	2 121	6	163	432	1 212	151	49	-	50	20	19	19
\$25,000 or more	454	-	11	76	279	51	16	6	5	7	-	3
Median	\$9 200	\$9 100	\$10 400	\$12 000	\$11 800	\$5 900	\$10 800	\$4 200	\$7 000	\$4 400	\$5 400	\$2 000
VALUE-INCOME RATIO												
Specified owner occupied ¹	13 590	247	1 610	1 924	4 616	1 568	279	112	775	432	795	1 232
Less than 1.5	5 964	64	700	1 138	2 798	440	175	27	294	136	149	53
1.5 to 1.9	2 833	95	581	487	999	210	50	26	151	62	105	67
2.0 to 2.4	1 320	28	210	155	340	225	22	5	91	51	115	78
2.5 to 2.9	765	21	61	46	226	213	5	21	51	23	58	40
3.0 to 3.9	918	17	25	63	134	212	14	23	60	55	99	216
4.0 or more	1 654	22	33	35	124	263	13	10	108	83	226	737
Not computed	136	-	-	-	5	5	-	-	20	22	43	41
Renter occupied housing units	11 408	1 320	1 861	942	1 396	561	365	67	1 475	237	1 776	1 408
PLUMBING FACILITIES BY PERSONS PER ROOM												
With all plumbing facilities	10 754	1 297	1 810	922	1 337	551	344	58	1 435	213	1 545	1 242
0.50 or less	5 324	391	294	129	673	377	158	38	420	152	1 483	1 209
0.51 to 1.00	4 553	835	1 262	563	572	162	181	15	812	56	62	33
1.01 to 1.50	707	57	212	190	67	5	5	-	166	5	-	-
1.51 or more	170	14	42	40	25	12	-	-	37	-	-	-
Lacking some or all plumbing facilities	654	23	51	20	59	10	21	9	40	24	231	166
0.50 or less	273	5	5	-	8	5	-	4	11	12	102	121
0.51 to 1.00	317	13	35	3	40	5	10	5	20	12	129	45
1.01 to 1.50	33	5	11	-	3	-	5	-	9	-	-	-
1.51 or more	31	-	-	17	8	-	6	-	-	-	-	-
UNITS IN STRUCTURE												
1	3 591	376	758	373	660	198	102	17	519	70	291	227
2 to 4	5 962	790	926	529	650	302	197	46	840	132	914	636
5 to 19	1 172	123	165	40	48	28	62	4	81	27	318	276
20 or more	678	26	12	-	38	33	4	-	35	8	253	269
Mobile home or trailer	5	5	-	-	-	-	-	-	-	-	-	-
GROSS RENT												
Specified renter occupied ²	11 360	1 316	1 852	942	1 391	556	365	67	1 465	237	1 765	1 404
Less than \$50	689	5	13	18	27	17	11	4	25	12	258	299
\$50 to \$59	538	11	12	15	27	49	19	5	73	41	114	172
\$60 to \$69	1 059	83	102	48	88	79	56	4	133	46	239	181
\$70 to \$79	1 256	126	181	97	122	79	14	9	184	21	270	153
\$80 to \$99	3 212	446	480	269	482	106	127	27	510	34	424	307
\$100 to \$119	2 264	352	557	212	309	124	67	9	310	28	200	96
\$120 to \$149	1 283	210	317	159	181	31	25	-	133	30	124	73
\$150 to \$199	445	52	148	59	37	5	5	5	29	13	42	16
\$200 to \$299	138	4	31	29	19	7	7	-	4	-	26	11
\$300 or more	28	-	-	8	7	-	-	-	-	-	8	5
No cash rent	448	27	11	28	92	59	-	4	64	12	60	91
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME												
Specified renter occupied ²	11 360	1 316	1 852	942	1 391	556	365	67	1 465	237	1 765	1 404
Less than \$5,000	4 957	389	271	145	220	324	135	47	979	169	1 033	1 245
Less than 20 percent	255	38	11	10	-	10	16	4	27	11	68	59
20 to 24 percent	538	56	54	14	47	51	-	10	97	9	128	72
25 to 34 percent	1 043	95	67	45	41	129	4	7	165	42	239	209
35 percent or more	2 648	171	133	64	106	102	109	17	581	95	486	784
Not computed	473	29	6	12	26	32	6	9	108	12	112	121
\$5,000 to \$9,999	4 106	740	938	397	557	145	140	5	399	54	606	125
Less than 20 percent	3 055	525	740	277	408	101	123	5	280	34	465	97
20 to 24 percent	639	167	156	73	83	15	5	-	61	14	56	15
25 to 34 percent	245	32	25	30	23	12	12	-	42	6	48	-
35 percent or more	41	-	6	8	-	7	-	-	-	-	20	-
Not computed	126	16	11	9	43	10	-	-	16	-	17	4
\$10,000 to \$14,999	1 686	153	544	305	358	54	67	9	54	14	98	30
Less than 20 percent	1 596	153	522	286	337	42	67	4	54	14	93	24
20 to 24 percent	27	-	17	-	-	-	-	-	-	-	5	-
25 percent or more	5	-	5	-	-	-	-	5	-	-	-	-
Not computed	58	-	-	19	21	12	-	-	-	-	-	6
\$15,000 or more	611	34	99	95	256	33	23	6	33	-	28	4
Less than 20 percent	589	34	99	95	245	28	23	6	27	-	28	4
20 to 24 percent	-	-	-	-	-	-	-	-	-	-	-	-
25 percent or more	-	-	-	-	-	-	-	-	-	-	-	-
Not computed	22	-	-	-	11	5	-	-	6	-	-	-

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

²Excludes one-family homes on 10 acres or more.

Table B—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]

Springfield

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 persons or more	Median
Owner occupied housing units	15 305	2 520	4 901	2 561	2 205	1 569	882	442	225	2.6
BEDROOMS										
None and 1	568	301	242	—	—	25	—	—	—	1.4
2	5 271	1 203	2 561	820	423	198	66	—	—	2.1
3	7 814	906	2 091	1 519	1 372	989	590	244	103	3.1
4 or more	1 507	71	217	196	345	245	170	185	78	4.3
YEAR STRUCTURE BUILT										
1969 to March 1970	100	18	5	34	23	8	12	—	—	3.3
1965 to 1968	583	48	122	132	141	59	47	24	10	3.4
1960 to 1964	836	76	245	114	195	120	69	17	—	3.4
1950 to 1959	3 197	334	1 120	594	579	303	142	93	32	2.7
1940 to 1949	1 993	301	649	388	261	207	145	32	10	2.6
1939 or earlier	8 596	1 743	2 760	1 299	1 006	872	467	276	173	2.4
UNITS IN STRUCTURE										
1	13 866	2 079	4 369	2 397	2 073	1 483	826	414	225	2.7
2 or more	1 431	433	532	164	132	86	56	28	—	2.0
Mobile home or trailer	8	8	—	—	—	—	—	—	—	...
COMPLETE BATHROOMS										
1 and 1 1/2	13 159	2 272	4 170	2 272	1 833	1 299	733	389	191	2.6
2 and 2 1/2	1 608	136	496	232	294	199	148	69	34	3.2
3 or more	156	18	36	33	18	45	6	—	—	3.2
None or also used by another household	376	120	151	28	43	24	—	10	—	2.0
HOUSEHOLD COMPOSITION										
Two-or-more-person households	12 785	...	4 901	2 561	2 205	1 569	882	442	225	3.1
Male head, wife present, no nonrelatives	10 901	...	3 925	2 165	1 946	1 449	804	408	204	3.2
Under 25 years	1 272	...	85	112	44	11	13	—	7	3.0
25 to 34 years	1 739	...	121	312	625	376	199	87	19	4.2
35 to 44 years	2 039	...	136	284	474	517	335	172	121	4.7
45 to 64 years	5 038	...	2 179	1 171	726	517	244	149	52	2.8
65 years and over	1 813	...	1 404	286	77	28	13	—	5	2.1
Other male head	472	...	231	108	44	56	10	17	6	2.5
Under 65 years	323	...	106	98	35	51	10	17	6	3.1
65 years and over	149	...	125	10	9	5	—	—	—	2.1
Female head	1 412	...	745	288	215	64	68	17	15	2.4
Under 65 years	890	...	352	207	193	50	63	17	8	2.9
65 years and over	522	...	393	81	22	14	5	—	7	2.2
One-person households	2 520	2 520	...	...	...	...	...	...	...	1.0
VALUE-INCOME RATIO										
Specified owner occupied ¹	13 590	2 027	4 295	2 334	2 045	1 460	805	403	221	2.7
Less than 1.5	5 964	202	1 679	1 311	1 058	828	457	281	148	3.3
1.5 to 1.9	2 633	172	919	481	590	334	205	79	53	3.2
2.0 to 2.4	1 320	193	454	218	221	148	56	24	6	2.6
2.5 to 2.9	765	98	379	129	58	60	28	13	—	2.3
3.0 to 3.9	918	315	362	106	47	50	25	6	7	1.9
4.0 or more	1 654	963	470	79	66	40	29	—	7	1.4
Not computed	136	84	32	10	5	—	5	—	—	1.3
Renter occupied housing units	11 408	3 184	3 102	1 955	1 455	759	453	331	169	2.3
BEDROOMS										
None	341	320	21	—	—	—	—	—	—	...
1	3 549	1 870	1 149	280	120	96	34	—	—	1.4
2	4 580	800	1 439	1 194	663	144	218	70	52	2.5
3 or more	2 842	180	430	583	576	494	245	238	96	3.9
YEAR STRUCTURE BUILT										
1969 to March 1970	159	91	32	11	12	8	—	5	—	1.4
1965 to 1968	622	267	161	92	59	14	17	12	—	1.8
1960 to 1964	438	147	114	61	60	18	17	11	10	2.1
1950 to 1959	666	104	257	151	68	44	31	11	—	2.4
1940 to 1949	1 561	275	494	320	234	114	80	26	18	2.5
1939 or earlier	7 962	2 300	2 044	1 320	1 022	561	308	266	141	2.3
UNITS IN STRUCTURE										
1	3 591	518	921	653	629	378	238	169	85	3.0
2	3 720	677	1 080	791	571	283	146	125	47	2.6
3 and 4	2 242	873	653	301	221	66	60	31	37	1.9
5 to 9	776	407	180	125	26	6	5	6	—	1.5
10 to 19	396	187	124	68	7	6	4	—	—	1.6
20 or more	678	522	144	12	—	—	—	—	—	1.1
Mobile home or trailer	5	—	—	5	—	—	—	—	—	...
COMPLETE BATHROOMS										
1 and 1 1/2	10 388	2 718	2 948	1 856	1 338	683	380	301	164	2.3
2 or more	285	71	44	17	77	22	37	17	—	3.6
None or also used by another household	735	367	145	71	62	47	20	17	6	1.5
HOUSEHOLD COMPOSITION										
Two-or-more-person households	8 224	...	3 102	1 955	1 455	759	453	331	169	3.0
Male head, wife present, no nonrelatives	6 080	...	2 154	1 415	1 133	653	336	246	143	3.1
Under 25 years	1 320	...	578	454	208	48	12	16	4	2.7
25 to 34 years	1 861	...	296	458	520	305	158	90	34	3.8
35 to 44 years	942	...	151	127	217	160	112	95	80	4.4
45 to 64 years	1 396	...	664	317	174	121	50	45	25	2.6
65 years and over	561	...	465	59	14	19	4	—	—	2.1
Other male head	432	...	250	100	46	15	10	11	—	2.4
Under 65 years	365	...	207	91	36	15	5	11	—	2.4
65 years and over	67	...	43	9	10	—	—	—	—	2.9
Female head	1 712	...	698	440	276	91	107	74	26	2.9
Under 65 years	1 475	...	509	402	271	86	107	74	26	3.1
65 years and over	237	...	189	38	5	—	—	—	—	2.1
One-person households	3 184	3 184	...	...	...	...	...	...	...	1.0
GROSS RENT AS PERCENTAGE OF INCOME										
Specified renter occupied ²	11 360	3 169	3 097	1 950	1 445	755	444	331	169	2.3
Less than 10 percent	1 236	188	415	233	169	114	38	75	4	2.6
10 to 14 percent	2 344	337	672	578	313	204	164	47	29	2.8
15 to 19 percent	1 915	313	494	335	365	192	81	87	48	2.9
20 to 24 percent	1 204	270	340	208	185	90	33	40	38	2.5
25 to 34 percent	1 293	511	382	163	145	22	18	32	20	1.9
35 percent or more	2 689	1 290	612	316	208	101	97	35	30	1.6
Not computed	679	260	182	117	60	32	13	15	—	1.9

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

²Excludes one-family homes on 10 acres or more.

Table B-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]

Springfield					Springfield				
	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	134	44	21	69	Vacant for rent	766	416	168	182
ROOMS					ROOMS				
1 to 3 rooms	13	-	-	13	1 room	30	18	8	4
4 rooms	44	12	9	23	2 rooms	69	47	14	8
5 rooms	20	5	-	15	3 rooms	179	100	49	30
6 rooms	29	18	-	11	4 rooms	210	83	44	83
7 rooms or more	28	9	12	7	5 rooms	196	111	38	47
PLUMBING FACILITIES					6 rooms	44	38	-	6
With all plumbing facilities	121	44	17	60	7 rooms or more	38	19	15	4
Lacking some or all plumbing facilities	13	-	4	9	PLUMBING FACILITIES				
BEDROOMS					With all plumbing facilities	694	382	147	165
None and 1	-	-	-	-	Lacking some or all plumbing facilities	72	34	21	17
2	64	15	12	37	BEDROOMS				
3	12	12	-	-	None	74	43	15	16
4 or more	52	27	25	-	1	282	149	74	59
YEAR STRUCTURE BUILT					2	359	132	91	136
1969 to March 1970	-	-	-	-	3 or more	137	123	14	-
1960 to 1968	6	-	-	6	YEAR STRUCTURE BUILT				
1950 to 1959	16	3	5	8	1969 to March 1970	-	-	-	-
1949 or earlier	112	41	16	55	1960 to 1968	87	26	-	61
UNITS IN STRUCTURE					1950 to 1959	679	390	168	121
1	109	35	21	53	1949 or earlier	-	-	-	-
2 or more	25	9	-	16	UNITS IN STRUCTURE				
HEATING EQUIPMENT					1	199	106	51	42
Steam or hot water	9	9	-	-	2 to 4	364	216	85	63
Warm-air furnace	93	22	16	55	5 to 9	53	26	15	12
Built-in electric units	3	3	-	-	10 to 19	49	31	13	5
Floor, wall, or pipeless furnace	13	-	5	8	20 or more	101	37	4	60
Other means	16	10	-	-	RENT ASKED				
None	-	-	-	-	Specified vacant for rent ²	761	414	168	179
SALES PRICE ASKED					Less than \$50	105	61	27	17
Specified vacant for sale ¹	101	27	21	53	\$50 to \$59	114	68	26	20
Less than \$5,000	7	2	-	5	\$60 to \$79	228	108	71	49
\$5,000 to \$9,999	6	-	4	2	\$80 to \$99	176	113	31	32
\$10,000 to \$14,999	46	8	9	29	\$100 to \$119	48	35	2	11
\$15,000 to \$19,999	19	8	-	11	\$120 to \$149	39	19	5	15
\$20,000 to \$24,999	9	3	3	3	\$150 to \$199	7	7	-	-
\$25,000 to \$34,999	14	6	5	3	\$200 or more	44	3	6	35
\$35,000 to \$49,999	-	-	-	-	Median rent asked	\$74	\$74	\$69	\$82
\$50,000 or more	-	-	-	-					
Median price asked	\$14 100	...	...	...		

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

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

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

Springfield	Sales price asked - Vacant for sale ¹							Rent asked - Vacant for rent ²						
	Total	Less than \$10,000	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 or more	Total	Less than \$60	\$60 to \$79	\$80 to \$99	\$100 to \$149	\$150 to \$199	\$200 or more
Total	101	13	46	19	9	14	-	761	219	228	176	87	7	44
PLUMBING FACILITIES														
With all plumbing facilities	113	27	24	37	13	12	-	748	192	285	135	44	31	61
Lacking some or all plumbing facilities	-	-	-	-	-	-	-	89	60	14	15	-	-	-
BEDROOMS														
None and 1	-	-	-	-	-	-	-	356	148	148	60	-	-	-
2	49	12	24	13	-	-	-	344	90	105	43	29	16	61
3	12	-	-	12	-	-	-	106	14	46	16	15	15	-
4 or more	52	15	-	12	13	12	-	31	-	-	31	-	-	-
YEAR STRUCTURE BUILT														
1969 to March 1970	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1960 to 1968	6	-	-	-	3	3	-	87	3	5	18	19	7	35
1950 to 1959	16	-	13	-	-	3	-	-	-	-	-	-	-	-
1949 or earlier	79	13	33	19	6	8	-	674	216	223	158	68	-	9
UNITS IN STRUCTURE														
1 .....	...	...	...	...	...	...	...	194	37	89	48	11	-	9
2 to 4 .....	...	...	...	...	...	...	...	364	109	105	95	55	-	-
5 to 19 .....	...	...	...	...	...	...	...	102	41	26	15	13	7	-
20 or more .....	...	...	...	...	...	...	...	101	32	8	18	8	-	35
INCLUSION OF UTILITIES IN RENT														
All utilities included .....	...	...	...	...	...	...	...	260	59	97	62	36	-	6
Some or no utilities included .....	...	...	...	...	...	...	...	501	160	131	114	51	7	38

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

Appendix A.—AREA CLASSIFICATIONS

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

USUAL PLACE OF RESIDENCE

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

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

COUNTIES

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

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

PLACES

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

STANDARD METROPOLITAN STATISTICAL AREAS

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

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

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

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

Appendix B.—DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

GENERAL	App-2
Self-enumeration and census questionnaire	App-2
Comparability with 1960 data ..	App-2
LIVING QUARTERS	App-3
Housing units	App-3
Group quarters	App-3
Rules for mobile homes, hotels, rooming houses, etc.	App-3
Institutions	App-4
OCCUPANCY AND VACANCY CHARACTERISTICS	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
UTILIZATION CHARACTERISTICS	App-5
Persons	App-5
Rooms	App-5
Persons per room	App-5
Bedrooms	App-5
STRUCTURAL AND PLUMBING CHARACTERISTICS	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
EQUIPMENT, FUELS, AND APPLIANCES	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
FINANCIAL CHARACTERISTICS	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
HOUSEHOLD CHARACTERISTICS	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
FACSIMILES	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-

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

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

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

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

criteria; other living quarters are considered group quarters.

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

OCCUPANCY AND VACANCY CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

UTILIZATION CHARACTERISTICS

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

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

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

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

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

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

STRUCTURAL AND PLUMBING CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EQUIPMENT, FUELS, AND APPLIANCES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FINANCIAL CHARACTERISTICS

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

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

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

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

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

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

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

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

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

HOUSEHOLD CHARACTERISTICS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX B—Continued

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

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

APPENDIX B—Continued

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

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

15 and 5 percent

15 percent

APPENDIX B—Continued

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

H13. Answer question H13 if you pay rent for your living quarters.
In addition to the rent entered in H12, do you also pay for—

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

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

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

d. Oil, coal, kerosene, wood, etc.?
 Yes, yearly cost is → \$ _____ .00
Yearly cost
 No, included in rent
 No, these fuels not used

H14. How are your living quarters heated?
Fill one circle for the kind of heat you use most.

Steam or hot water system
 Central warm air furnace with ducts to the individual rooms, or central heat pump
 Built-in electric units (permanently installed in wall, ceiling, or baseboard)
 Floor, wall, or pipeless furnace
 Room heaters with flue or vent, burning gas, oil, or kerosene
 Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)
 Fireplaces, stoves, or portable room heaters of any kind
 In some other way—Describe → _____
 None, unit has no heating equipment

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

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

H16. Which best describes this building?
Include all apartments, flats, etc., even if vacant.

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

H17. Is this building—
 On a city or suburban lot?—Skip to H24
 On a place of less than 10 acres?
 On a place of 10 acres or more?

H18. Last year, 1969, did sales of crops, livestock, and other farm products from this place amount to—
 Less than \$50 (or None) \$2,500 to \$4,999
 \$50 to \$249 \$5,000 to \$9,999
 \$250 to \$2,499 \$10,000 or more

H24a. How many stories (floors) are in this building?
 1 to 3 stories
 4 to 6 stories
 7 to 12 stories
 13 stories or more

b. If 4 or more stories—
Is there a passenger elevator in this building?
 Yes No

H25a. Which fuel is used most for cooking?

Gas { From underground pipes serving the neighborhood. Coal or coke
 Bottled, tank, or LP Wood
 Electricity Other fuel
 Fuel oil, kerosene, etc. No fuel used

b. Which fuel is used most for house heating?

Gas { From underground pipes serving the neighborhood. Coal or coke
 Bottled, tank, or LP Wood
 Electricity Other fuel
 Fuel oil, kerosene, etc. No fuel used

c. Which fuel is used most for water heating?

Gas { From underground pipes serving the neighborhood. Coal or coke
 Bottled, tank, or LP Wood
 Electricity Other fuel
 Fuel oil, kerosene, etc. No fuel used

H26. How many bedrooms do you have?
Count rooms used mainly for sleeping even if used also for other purposes.

No bedroom 3 bedrooms
 1 bedroom 4 bedrooms
 2 bedrooms 5 bedrooms or more

H27a. Do you have a clothes washing machine?
 Yes, automatic or semi-automatic
 Yes, wringer or separate spinner
 No

b. Do you have a clothes dryer?
 Yes, electrically heated
 Yes, gas heated
 No

c. Do you have a dishwasher (built-in or portable)?
 Yes No

d. Do you have a home food freezer which is separate from your refrigerator?
 Yes No

H28a. Do you have a television set? Count only sets in working order.
 Yes, one set
 Yes, two or more sets
 No

b. If "Yes"—Is any set equipped to receive UHF broadcasts, that is, channels 14 to 83?
 Yes No

H29. Do you have a battery-operated radio?
Count car radios, transistors, and other battery-operated sets in working order or needing only a new battery for operation.
 Yes, one or more No

H30. Do you (or any member of your household) own a second home or other living quarters which you occupy sometime during the year?
 Yes No

15 and 5 percent

5 percent

APPENDIX B—Continued

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

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

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

Appendix C.—ACCURACY OF THE DATA

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

SOURCES OF ERROR

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

EDITING OF UNACCEPTABLE DATA

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

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

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

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

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

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

SAMPLE DESIGN

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

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

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

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

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

TABLE A. Sample Rate for Subjects Included in This Report

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

RATIO ESTIMATION

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

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

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

Group

Occupied housing units:

STAGE I			
	<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 sub-

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

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

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

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

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

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

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

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

TABLE D. Factor to be Applied to Standard Errors

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

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

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

Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

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

Housing Census Reports

Volume I.

HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

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

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

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

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

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

Volume II. METROPOLITAN HOUSING CHARACTERISTICS

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

Volume III.

BLOCK STATISTICS

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

Volume IV.

COMPONENTS OF INVENTORY CHANGE

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

Volume V.

RESIDENTIAL FINANCE

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

Volume VI.

ESTIMATES OF "SUBSTANDARD" HOUSING

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

Volume VII.

SUBJECT REPORTS

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

Population Census Reports

Volume I.

CHARACTERISTICS OF THE POPULATION

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

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

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

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

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

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

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

■ Series PC(1)-D.

DETAILED CHARACTERISTICS

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

Volume II.

SUBJECT REPORTS

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

Joint Population-Housing Reports

Series PHC(1).

CENSUS TRACT REPORTS

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

Series PHC(2).

GENERAL DEMOGRAPHIC TRENDS FOR METROPOLITAN AREAS, 1960 TO 1970

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

Series PHC(3).

EMPLOYMENT PROFILES OF SELECTED LOW-INCOME AREAS

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

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

Additional Reports

Series PHC(E).

EVALUATION REPORTS

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

Series PHC(R).

PROCEDURAL REPORTS

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

Computer Summary Tapes

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

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

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

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

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

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

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

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

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

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