

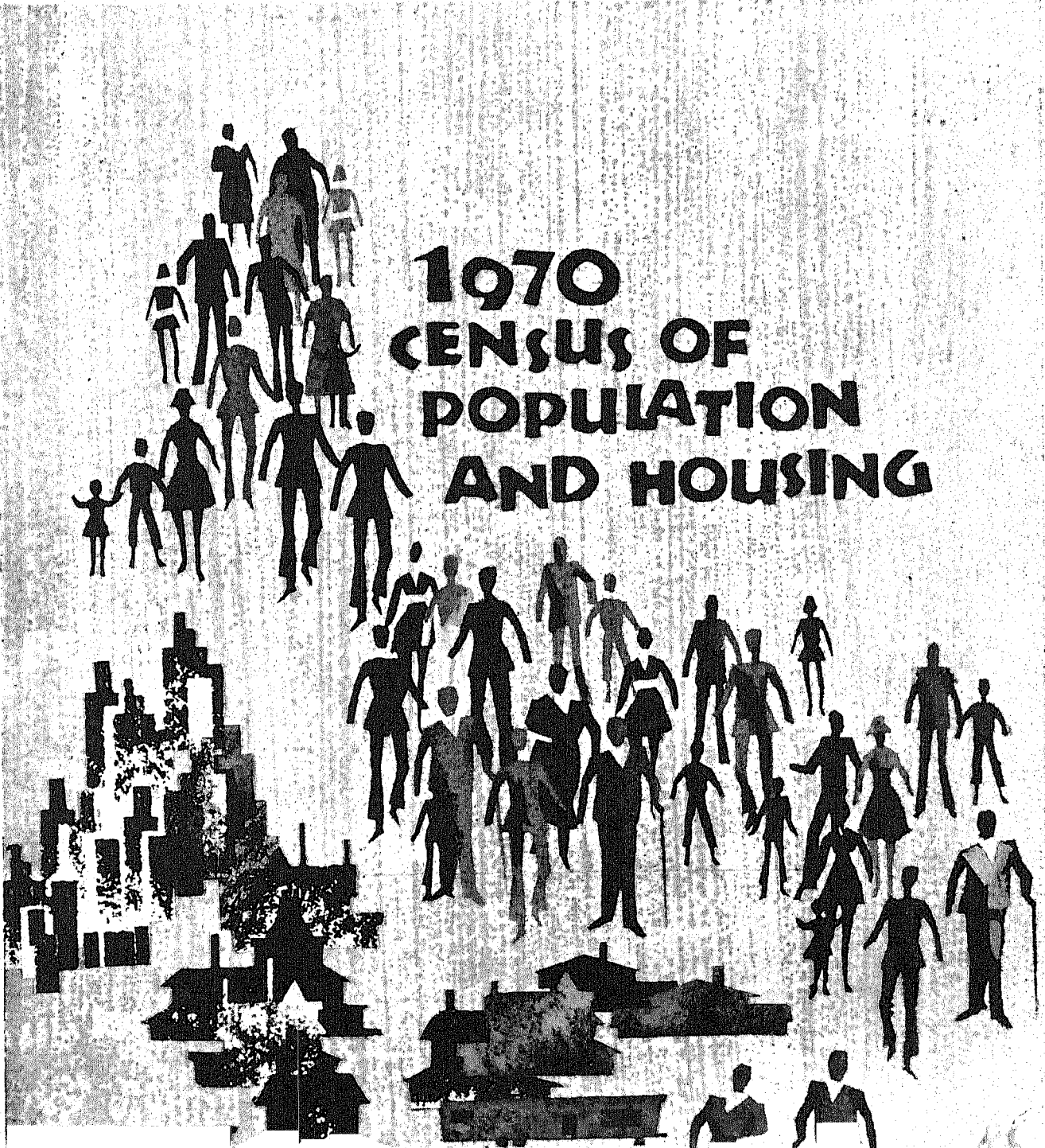
UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION



# Census Tracts

MUSKEGON-MUSKEGON HEIGHTS, MICH.  
STANDARD METROPOLITAN STATISTICAL AREA

PHC(1)-138



## 1970 CENSUS OF POPULATION AND HOUSING

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

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HEIGHTS, MICH.

STANDARD METROPOLITAN  
STATISTICAL AREA

Issued March 1972

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accompany this report

## LIST OF PHC(1) CENSUS TRACT REPORTS

The reports listed below are for Standard Metropolitan Statistical Areas. An asterisk (\*) indicates that the report includes data for tracts in selected areas adjacent to the SMSA.

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



Report number	Area
121	Lynchburg, Va.*
122	Macon, Ga.*
123	Madison, Wis.
124	Manchester, N.H.
125	Mansfield, Ohio
126	McAllen-Pharr-Edinburg, Tex.
127	Memphis, Tenn.-Ark.
128	Meriden, Conn.
129	Miami, Fla.
130	Midland, Tex.
131	Milwaukee, Wis.*
132	Minneapolis-St. Paul, Minn.
133	Mobile, Ala.
134	Modesto, Calif.
135	Monroe, La.
136	Montgomery, Ala.
137	Muncie, Ind.
138	Muskegon-Muskegon Heights, Mich.
139	Nashville-Davidson, Tenn.
140	New Bedford, Mass.
141	New Britain, Conn.
142	New Haven, Conn.*
143	New London-Groton-Norwich, Conn.*
144	New Orleans, La.
145	New York, N.Y.
146	Newark, N.J.*
147	Newport News-Hampton, Va.*
148	Norfolk-Portsmouth, Va.*
149	Norwalk, Conn.*
150	Odessa, Tex.
151	Ogden, Utah
152	Oklahoma City, Okla.
153	Omaha, Nebr.-Iowa
154	Orlando, Fla.
155	Oxnard-Ventura, Calif.
156	Paterson-Clifton-Passaic, N.J.
157	Pensacola, Fla.
158	Peoria, Ill.
159	Philadelphia, Pa.-N.J.
160	Phoenix, Ariz.

Report number	Area
161	Pine Bluff, Ark.
162	Pittsburgh, Pa.
163	Pittsfield, Mass.
164	Portland, Maine*
165	Portland, Oreg.-Wash.
166	Providence-Pawtucket-Warwick, R.I.-Mass.*
167	Provo-Orem, Utah
168	Pueblo, Colo.
169	Racine, Wis.
170	Raleigh, N.C.
171	Reading, Pa.
172	Reno, Nev.
173	Richmond, Va.
174	Roanoke, Va.
175	Rochester, Minn.
176	Rochester, N.Y.
177	Rockford, Ill.
178	Sacramento, Calif.*
179	Saginaw, Mich.
180	St. Joseph, Mo.
181	St. Louis, Mo.-Ill.*
182	Salem, Oreg.
183	Salinas-Monterey, Calif.
184	Salt Lake City, Utah
185	San Angelo, Tex.
186	San Antonio, Tex.
187	San Bernardino-Riverside-Ontario, Calif.
188	San Diego, Calif.
189	San Francisco-Oakland, Calif.
190	San Jose, Calif.
191	Santa Barbara, Calif.
192	Santa Rosa, Calif.
193	Savannah, Ga.
194	Scranton, Pa.
195	Seattle-Everett, Wash.
196	Sherman-Denison, Tex.
197	Shreveport, La.
198	Sioux City, Iowa-Nebr.
199	Sioux Falls, S. Dak.
200	South Bend, Ind.

Report number	Area
201	Spokane, Wash.
202	Springfield, Ill.
203	Springfield, Mo.
204	Springfield, Ohio
205	Springfield-Chicopee-Holyoke, Mass.-Conn.*
206	Stamford, Conn.
207	Steubenville-Weirton, Ohio- W. Va.
208	Stockton, Calif.
209	Syracuse, N.Y.
210	Tacoma, Wash.
211	Tallahassee, Fla.
212	Tampa-St. Petersburg, Fla.
213	Terre Haute, Ind.
214	Texarkana, Tex.-Ark.
215	Toledo, Ohio-Mich.
216	Topeka, Kans.
217	Trenton, N.J.
218	Tucson, Ariz.
219	Tulsa, Okla.
220	Tuscaloosa, Ala.
221	Tyler, Tex.
222	Utica-Rome, N.Y.
223	Vallejo-Napa, Calif.
224	Vineland-Millville-Bridgeton, N.J.
225	Waco, Tex.
226	Washington, D.C.-Md.-Va.
227	Waterbury, Conn.*
228	Waterloo, Iowa
229	West Palm Beach, Fla.
230	Wheeling, W. Va.-Ohio
231	Wichita, Kans.
232	Wichita Falls, Tex.*
233	Wilkes-Barre-Hazleton, Pa.
234	Wilmington, Del.-N.J.-Md.
235	Wilmington, N.C.
236	Worcester, Mass.*
237	York, Pa.
238	Youngstown-Warren, Ohio*
239	Mayagüez, P.R.
240	Ponce, P.R.
241	San Juan, P.R.

## INTRODUCTION

## APPENDIXES

A. Area Classifications . . . . .	App-1
B. Definitions and Explanations of Subject Characteristics . . .	App-3
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### GENERAL

This report presents statistics by census tract on the characteristics of the population and housing units as reported in the 1970 Census of Population and Housing. 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 241 reports as listed on page II. Each report relates to a particular standard metropolitan statistical area (SMSA), and in some cases also covers certain areas adjacent to the SMSA. As stated on page App-2, there are 247 currently recognized SMSA's, including four in Puerto Rico. There are no reports in this series for six of these SMSA's because they were newly designated on the basis of the 1970 census results and census tracts had not been established for them previously.

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 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 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.

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 area classifications, defines census tracts, and traces some of the history of the development of census tract statistics. Appendix B provides definitions and explanations of the population and housing subjects appearing in the report. Appendix C presents information on sources of error in the data, sampling variability, ratio estimation, and editing procedures. Appendix D summarizes the data dissemination program of the 1970 census.

**Content of the tables.**—There are two numbered series of tables. Tables P-1 to P-8 present population statistics and tables H-1 to H-5 present housing statistics. Tables P-5 to P-8 and H-3 to H-5 relate to Negroes and to persons of Spanish language or surname or persons of Puerto Rican birth or parentage; they include only those tracts that have a population of 400 or more for the particular group.

The tables include data for the component counties and places of 25,000 or more in the SMSA, as well as for the tracts. All tables are arranged in identical fashion. Summations are presented first for the SMSA, followed by the component counties in alphabetical order (within State, if the SMSA crosses State lines). Shown under each county is the summation for each component place of 25,000 inhabitants or more and the balance of the county. Following these summations are the data for individual tracts (arranged in the above-mentioned geographic order) within the SMSA; and, in certain cases, for individual tracts in territory contiguous to the SMSA. When a tract crosses the boundary of a place of 25,000 inhabitants or more, statistics for the portion of the tract which lies inside the place are shown with the figure for the place; statistics for the remainder of the tract are shown as part of another place and/or under the county balance, as appropriate. The totals for each of these "split" tracts appear at the end of the table.

**Sample size.**—Tables P-1, H-1, and H-3 contain 100-percent data; the remaining tables contain data based on a sample of the population, with sampling rates of 20 percent or 15 percent. Figures for the total population or for some subgroups of the population (e.g., the population 5 years old and over) may differ from table to table or within the same table when the figures are tabulated from different samples. The sample size for each subject is stated in table C, Appendix C, "Accuracy of the Data." Appendix C also provides information on the sampling variability associated with the data.

## INTRODUCTION—Continued

**Derived figures (percents, medians, etc.).**—Percents, medians, and means, as well as certain rates and ratios are shown in these reports. For all types of derived figures in this report, the figure is not presented (but indicated by three dots "...") if the base is smaller than the minimum number prescribed for the sample on which the figure is based. The minimum bases are 5 (persons, families, households, or housing units) for figures derived from 100-percent tabulations, 25 for figures based on the 20-percent sample, and 33 for those based on the 15-percent sample. When a cross-tabulation of two or more characteristics covers subjects based on different samples, the minimum base for the smaller sample applies. Although figures are shown for all areas, except when the base is less than the specified minimum, the reader should exercise caution in the use and interpretation of data for very small areas or subgroups of the population; these data are especially subject to the effects of sampling variability, misreporting, and processing errors.

Percents which round to less than 0.1 are not shown but indicated as zero (i.e., "—"). 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. 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 "75 years and over," it is shown as "75+." The mean is the arithmetic average derived by adding the values in a particular distribution and dividing by the number of units in the distribution.

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

**Boundaries.**—Information on changes in the boundaries of tracts between 1960 and 1970 for this area appears after the Introduction. Information on boundary changes between 1960 and 1970 for certain types of areas other than tracts is given in the 1970 Population Census PC(1)-A report for each State.

### 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.

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 which did not mail back their forms, a followup was also made, in almost all cases by personal visit and in the remainder by telephone.

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 of questionnaire was sent to each household. In the remaining areas, the questionnaire

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## INTRODUCTION—Continued

with a limited number of questions was distributed to all households, and the enumerators obtained the additional information by interview in those households designated for the 15-percent and 5-percent samples.

### PROCESSING PROCEDURES

The 1970 census questionnaires were specially designed to be processed by FOSDIC (Film Optical Sensing Device for Input to Computer). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in

predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire onto computer magnetic tape with no intervening manual processing. A number of the items, however, required reviewing written entries to determine the proper code. Consequently, the processing involved a manual coding and editing operation in which clerks determined the appropriate codes and marked the specified positions on the questionnaire; for example, the clerks applied a 2-digit numerical code for the country-of-birth entry. These marks, as well as those made by the respondent and enumerator, were read

by FOSDIC onto 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 tapes which are available for purchase, as described in Appendix D, "Publication and Computer Summary Tape Program."

# Table A. Tract Comparability: 1970 to 1960

[Only part of the area was tracted in 1960. The tables list only those census tracts for which the boundaries or identification changed between 1960 and 1970]

1970 tract	1960 tract
<b>MUSKEGON COUNTY, MICH.</b>	
0001 . . . .	MU-0001
0002 . . . .	MC-0019 PART
0003 . . . .	MC-0018 PART
0004 . . . .	MU-0002 PART
0005 . . . .	MU-0003
0006.01. . .	MU-0004
0006.02. . .	MC-0020 PART
0007 . . . .	MU-0005 PART
0008 . . . .	MU-0006 PART
0009 . . . .	MU-0006 PART
0010 . . . .	MU-0005 PART
0011 . . . .	MU-0007
0012 . . . .	MU-0008 PART
0013 . . . .	MU-0009 PART
0014.01. . .	MU-0009 PART
0014.02. . .	MU-0010 PART
0015 . . . .	MH-0011 PART
0016 . . . .	MH-0012 PART
0017 . . . .	MH-0013 PART
0018 . . . .	MH-0014 PART
0019.01. . .	MH-0011 PART
0019.02. . .	MH-0012 PART
0020 . . . .	MH-0013 PART
0021 . . . .	MH-0014 PART
0022 . . . .	MH-0011 PART
0023 . . . .	MH-0012 PART
0024 . . . .	MH-0013 PART
0025 . . . .	MH-0014 PART
0026.01. . .	MC-0024 PART
0026.02. . .	MH-0014 PART
0027 . . . .	NM-0015
0028 . . . .	MC-0016
0029 . . . .	MC-0017
0030 . . . .	MC-0018 PART
0031 . . . .	MU-0002 PART
0032 . . . .	MC-0019 PART
0033 . . . .	MC-0019 PART
0034 . . . .	MC-0020 PART
0035 . . . .	MC-0020 PART
0036 . . . .	MC-0019 PART
0037 . . . .	MC-0020 PART
0038 . . . .	MC-0021
0039 . . . .	MU-0006 PART
0040 . . . .	MU-0008 PART
0041 . . . .	MU-0009 PART
0042 . . . .	RP-0022
0043 . . . .	MC-0023 PART
0044 . . . .	MC-0023 PART
0045 . . . .	MC-0024 PART
0046 . . . .	MC-0025
0047 . . . .	MC-0026 PART
0048.01. . .	MC-0026 PART
0048.02. . .	MC-0026 PART

## Table B. Tract Comparability: 1960 to 1970

[Only part of the area was tracted in 1960. The tables list only those census tracts for which the boundaries or identification changed between 1960 and 1970.]

1960 tract	1970 tract
MUSKEGON COUNTY, MICH.	
MC-0016. . .	0016
MC-0017. . .	0017
MC-0018. . .	0002 PART 0018 PART
MC-0019. . .	0019.01 0001 PART 0019.02 PART 0020 PART
MC-0020. . .	0004 PART 0019.02 PART 0020 PART
MC-0021. . .	0021 PART
MC-0023. . .	0023 0024 PART
MC-0024. . .	0014.02 PART 0024 PART
MC-0025. . .	0025 PART
MC-0026. . .	0026.01 0026.02 0025 PART
MH-0011. . .	0011 PART 0012 PART
MH-0012. . .	0011 PART 0012 PART
MH-0013. . .	0013 0011 PART
MH-0014. . .	0014.01 0011 PART 0014.02 PART
MU-0001. . .	0001 PART
MU-0002. . .	0002 PART 0018 PART
MU-0003. . .	0003
MU-0004. . .	0004 PART
MU-0005. . .	0005 0006.02 PART
MU-0006. . .	0006.01 0006.02 PART 0021 PART
MU-0007. . .	0007
MU-0008. . .	0008 0021 PART
MU-0009. . .	0009 0010 PART 0021 PART
MU-0010. . .	0010 PART
NN-0015. . .	0015
RP-0022. . .	0022

Table P-1. General Characteristics of the Population: 1970

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

Census Tracts	Muskegon County				Muskegon								
	Total	Muskegon	Muskegon Heights	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006.01	Tract 0006.02	Tract 0007	Tract 0008
<b>RACE</b>													
All persons	157 426	44 631	17 304	95 491	1 892	2 607	4 947	7 273	6 926	2 160	3 595	328	4 229
White	139 899	37 920	8 227	93 752	1 751	435	3 089	7 042	6 068	2 101	2 347	276	4 180
Negro	16 722	6 411	9 008	1 303	128	2 168	1 855	165	772	39	1 211	43	34
Percent Negro	10.6	14.4	52.1	1.4	6.8	83.2	37.1	2.3	11.1	1.8	33.7	13.1	0.8
<b>AGE BY SEX</b>													
<b>Male, all ages</b>													
Under 5 years	76 498	21 027	8 261	47 210	923	1 264	2 317	3 467	3 173	968	1 622	254	1 959
3 and 4 years	7 311	1 991	929	4 391	86	169	275	291	326	93	154	2	166
5 to 9 years	3 028	794	382	1 852	33	70	105	129	135	38	58	-	69
5 years	8 963	2 168	965	5 830	105	171	264	363	339	86	154	-	207
6 years	1 581	422	172	987	19	36	59	67	71	17	39	-	34
10 to 14 years	1 735	429	199	1 107	18	32	52	68	77	11	26	-	44
14 years	9 539	2 264	956	6 319	102	149	264	401	368	90	142	-	194
15 to 19 years	1 856	485	194	1 177	21	32	50	86	74	17	38	-	48
15 years	7 979	2 142	851	4 986	97	129	258	363	295	96	166	24	194
16 years	1 894	453	220	1 221	19	26	54	77	70	17	40	2	48
17 years	1 836	483	199	1 154	20	31	53	93	69	24	32	-	36
18 years	1 748	450	176	1 122	26	21	52	74	43	29	35	9	43
19 years	1 404	403	140	861	15	25	51	64	58	13	32	7	44
20 to 24 years	1 097	353	116	628	17	26	48	55	55	13	27	6	23
20 years	4 826	1 697	612	2 517	103	82	170	202	292	85	161	52	156
21 years	940	324	122	494	15	20	39	32	64	14	29	11	29
22 years	833	314	120	399	13	11	25	43	57	21	33	16	25
25 to 34 years	8 579	2 166	775	5 638	142	101	195	352	339	96	153	43	202
35 to 44 years	8 091	1 842	706	5 543	77	114	165	339	250	77	133	34	160
45 to 54 years	8 671	2 325	881	5 465	87	137	232	416	305	95	169	33	203
55 to 59 years	3 870	1 210	475	2 185	30	63	111	238	164	57	90	12	119
60 to 64 years	2 922	990	365	1 567	33	50	110	162	137	55	82	16	102
65 to 74 years	3 801	1 458	489	1 854	41	67	174	240	222	83	140	26	161
75 years and over	1 946	774	257	915	20	32	99	100	136	55	78	12	95
<b>Female, all ages</b>													
Under 5 years	80 928	23 604	9 043	48 281	969	1 343	2 630	3 806	3 753	1 192	1 973	74	2 270
3 and 4 years	6 936	1 922	870	4 144	102	159	244	309	317	90	140	1	154
5 to 9 years	2 853	780	338	1 735	44	68	106	126	119	34	47	-	56
5 years	8 699	2 061	942	5 696	84	160	259	357	335	81	151	-	182
6 years	1 561	377	188	996	20	29	58	52	60	23	22	-	38
10 to 14 years	1 755	445	166	1 144	20	37	53	76	61	19	38	-	44
14 years	9 277	2 229	976	6 072	76	132	259	359	355	100	163	-	193
15 to 19 years	1 823	448	185	1 190	12	24	60	76	69	22	30	-	31
15 years	7 949	2 289	895	4 765	92	151	261	375	391	100	191	1	217
16 years	1 734	415	163	1 156	17	37	59	71	60	16	32	-	31
17 years	1 723	446	182	1 095	24	33	51	79	56	21	33	1	42
18 years	1 678	448	193	1 037	13	29	52	91	72	22	32	-	33
19 years	1 489	494	185	810	12	21	51	77	101	23	51	-	48
20 to 24 years	1 325	486	172	667	26	31	48	57	102	18	43	-	63
20 years	5 919	2 019	723	3 177	135	104	212	243	355	110	196	7	185
21 years	1 250	445	170	635	17	27	44	46	93	29	47	3	39
22 years	1 202	401	143	658	19	20	46	48	80	25	49	2	29
25 to 34 years	9 275	2 293	918	6 064	139	143	248	392	366	80	153	5	220
35 to 44 years	8 885	2 163	837	5 885	87	133	227	377	330	94	147	7	181
45 to 54 years	9 475	2 718	1 028	5 729	92	137	265	519	354	138	182	11	260
55 to 59 years	3 746	1 289	499	1 958	43	62	133	240	175	76	112	9	133
60 to 64 years	3 138	1 183	372	1 583	39	43	129	200	195	75	102	7	118
65 to 74 years	4 519	1 966	596	1 957	53	84	216	255	235	130	234	12	237
75 years and over	3 110	1 472	387	1 251	27	35	177	180	253	118	202	14	190
<b>RELATIONSHIP TO HEAD OF HOUSEHOLD</b>													
All persons	157 426	44 631	17 304	95 491	1 892	2 607	4 947	7 273	6 926	2 160	3 595	328	4 229
In households	156 002	43 745	17 220	95 037	1 701	2 584	4 853	7 199	6 814	2 097	3 492	219	4 198
Head of household	47 031	14 934	5 301	26 796	551	731	1 572	2 249	2 378	773	1 417	189	1 501
Head of family	39 138	11 200	4 170	23 768	466	567	1 151	1 930	1 716	531	790	16	1 124
Primary individual	7 893	3 734	1 131	3 028	85	164	421	319	662	242	627	173	377
Wife of head	34 458	9 373	3 301	21 784	409	403	861	1 727	1 427	443	574	13	955
Other relative of head	72 778	18 709	8 296	45 773	722	1 361	2 306	3 170	2 855	844	1 378	9	1 699
Not related to head	1 735	729	322	684	19	89	114	53	154	37	123	8	43
In group quarters	1 424	886	84	454	191	23	94	74	112	63	103	109	31
Persons per household	3.32	2.93	3.25	3.55	3.09	3.53	3.09	3.20	2.87	2.71	2.46	1.16	2.80
<b>TYPE OF FAMILY AND NUMBER OF OWN CHILDREN</b>													
All families	39 138	11 200	4 170	23 768	466	567	1 151	1 930	1 716	531	790	16	1 124
With own children under 18 years	23 230	5 870	2 317	15 043	247	342	637	1 030	892	259	384	3	521
Number of children	58 154	14 259	6 184	37 711	565	986	1 712	2 440	2 242	631	980	4	1 264
Husband-wife families	34 458	9 373	3 301	21 784	409	403	861	1 727	1 427	443	574	13	955
With own children under 18 years	20 404	4 805	1 759	13 840	216	223	449	934	705	214	252	2	446
Number of children	51 039	11 538	4 640	34 861	500	663	1 107	2 226	1 733	528	660	3	1 079
Percent of total under 18 years	83.2	75.3	68.5	88.8	74.2	59.4	58.7	86.8	71.9	78.9	59.6	20.0	81.2
Families with other male head	775	259	124	392	7	15	42	35	35	11	22	-	23
With own children under 18 years	298	84	50	164	2	4	17	9	10	4	8	-	4
Number of children	664	191	107	366	4	8	45	24	24	7	16	-	4
Families with female head	3 905	1 568	745	1 592	50	149	248	168	254	77	194	3	146
With own children under 18 years	2 528	981	508	1 039	29	115	171	87	177	41	124	1	71
Number of children	6 451	2 530	1 437	2 484	61	315	560	190	485	96	304	1	181
Percent of total under 18 years	10.5	16.5	21.2	6.3	9.1	28.2	29.7	7.4	20.1	14.3	27.4	6.7	13.6
Persons under 18 years	61 338	15 330	6 771	39 237	674	1 117	1 886	2 565	2 410	669	1 108	15	1 329
<b>MARITAL STATUS</b>													
<b>Male, 14 years old and over</b>													
Single	52 541	15 089	5 605	31 847	651	807	1 564	2 498	2 214	716	1 210	252	1 440
Married	13 773	4 092	1 562	8 119	208	286	464	595	576	196	396	105	355
Separated	35 838	9 862	3 571	22 405	420	447	945	1 774	1 494	467	636	80	989
Widowed	664	258	170	236	3	30	48	14	37	14	41	33	15
Divorced	1 479	596	240	643	9	38	92	82	70	30	82	15	60
	1 451	539	232	680	14	36	63	47	74	23	96	52	36
<b>Female, 14 years old and over</b>													
Single	57 839	17 840	6 440	33 559	719	916	1 928	2 857	2 815	943	1 549	73	1 772
Married	12 655	4 028	1 476	7 151	186	258	488	607	662	224	396	24	341
Separated	36 643	10 168	3 746	22 729	432	493	1 011	1 816	1				



Table P-1. General Characteristics of the Population: 1970—Continued

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

Census Tracts	Muskegon—Con.			Muskegon Heights					Balance of Muskegon County				
	Tract 0009	Tract 0010	Tract 0021	Tract 0011	Tract 0012	Tract 0013	Tract 0014.01	Tract 0014.02	Tract 0001	Tract 0004	Tract 0015	Tract 0016	Tract 0017
<b>RACE</b>													
All persons	4 879	1 627	4 168	981	4 934	4 640	1 583	5 166	156	42	4 243	1 964	3 476
White	4 867	1 622	4 142	360	1 306	87	1 368	5 106	151	39	4 239	1 960	3 473
Negro	—	2	14	609	3 616	4 550	198	35	—	3	1	—	—
Percent Negro	—	0.1	0.3	62.1	73.3	98.1	12.5	0.7	—	7.1	—	—	—
<b>AGE BY SEX</b>													
<b>Male, all ages</b>													
Under 5 years	2 316	803	1 961	471	2 323	2 237	729	2 501	76	18	2 017	991	1 743
3 and 4 years	169	67	193	45	269	261	72	282	3	4	142	76	131
5 to 9 years	73	25	59	18	97	121	30	116	1	1	62	33	65
5 years	228	79	172	39	304	303	82	237	15	4	186	136	208
6 years	39	10	31	5	52	44	20	51	4	1	41	30	27
7 years	51	15	35	6	64	70	13	46	4	2	33	33	40
8 years	264	93	197	54	312	318	56	216	6	1	203	146	266
9 years	58	24	37	16	54	67	12	45	—	—	43	28	47
10 to 14 years	234	80	206	43	237	289	56	226	7	—	211	102	203
15 years	46	18	36	9	60	93	11	47	—	—	56	16	49
16 years	56	19	50	12	67	57	12	51	2	—	52	31	48
17 years	57	20	41	8	40	62	14	52	2	—	42	23	53
18 years	42	9	43	6	39	45	9	41	2	—	32	21	31
19 years	33	14	36	8	31	32	10	35	1	—	29	11	22
20 to 24 years	147	59	188	40	192	140	47	193	7	2	112	31	70
25 years	27	7	31	6	34	37	7	38	—	—	17	4	13
26 years	32	7	31	15	26	44	6	29	1	—	13	7	13
27 to 34 years	247	83	213	49	181	149	98	298	10	4	210	130	210
35 to 44 years	240	85	168	41	220	191	56	198	6	1	218	128	253
45 to 54 years	297	113	238	57	239	225	74	286	9	—	295	108	232
55 to 59 years	154	58	114	23	114	130	54	154	5	1	132	48	58
60 to 64 years	124	32	87	28	81	80	42	134	3	1	105	31	36
65 to 74 years	153	32	119	34	109	113	54	179	5	—	139	41	53
75 years and over	59	22	66	18	65	38	38	98	—	—	64	14	23
<b>Female, all ages</b>													
Under 5 years	2 563	824	2 207	510	2 611	2 403	854	2 665	80	24	2 226	973	1 733
3 and 4 years	163	49	194	51	256	259	69	235	10	3	145	75	143
5 to 9 years	74	25	81	23	111	91	28	85	4	1	62	30	61
5 years	218	74	160	37	289	302	73	241	7	5	199	106	192
6 years	43	11	21	6	55	60	19	48	1	2	22	18	37
7 years	41	16	40	4	47	52	15	48	3	—	44	16	36
8 years	297	98	197	66	340	307	69	194	12	3	220	127	237
9 years	53	18	53	15	70	56	12	32	1	1	51	29	42
10 to 14 years	241	86	183	54	298	266	68	209	8	2	196	96	191
15 years	49	21	22	5	55	55	16	32	3	—	44	27	47
16 years	50	17	39	8	67	55	13	39	1	—	47	19	38
17 years	51	13	40	18	59	62	12	42	3	—	45	17	45
18 years	45	20	45	11	61	48	17	50	—	1	36	15	34
19 years	46	15	37	12	56	48	10	46	1	1	24	18	27
20 to 24 years	184	52	236	37	217	163	71	235	6	3	147	59	87
25 years	44	14	42	8	58	42	15	47	2	—	24	10	19
26 years	24	9	50	8	39	28	19	47	1	1	38	12	14
27 to 34 years	252	93	202	45	259	226	99	289	14	4	238	127	218
35 to 44 years	279	97	204	50	267	242	58	220	6	2	234	133	252
45 to 54 years	352	129	277	72	256	283	90	327	7	1	332	122	227
55 to 59 years	161	35	110	28	105	124	43	199	3	—	127	40	48
60 to 64 years	121	37	117	18	92	79	50	133	4	—	103	28	52
65 to 74 years	180	56	184	37	123	98	94	244	1	1	178	45	56
75 years and over	115	18	143	15	109	54	70	139	2	—	107	15	30
<b>RELATIONSHIP TO HEAD OF HOUSEHOLD</b>													
All persons	4 879	1 627	4 168	981	4 934	4 640	1 583	5 166	156	42	4 243	1 964	3 476
In households	4 879	1 627	4 082	972	4 927	4 595	1 574	5 152	156	42	4 206	1 964	3 476
Head of household	1 639	546	1 388	309	1 380	1 203	596	1 813	46	12	1 399	551	952
Head of family	1 337	432	1 140	225	1 109	1 020	395	1 421	38	10	1 176	498	872
Primary individual	302	114	248	84	271	183	201	392	8	2	223	53	80
Wife of head	1 194	388	979	168	845	728	339	1 221	33	7	1 098	464	822
Other relative of head	2 005	678	1 682	449	2 601	2 572	625	2 049	74	23	1 688	932	1 685
Not related to head	41	15	33	46	101	92	14	69	3	—	21	17	17
In group quarters	—	—	86	9	7	45	9	14	—	—	37	—	—
Persons per household	2.98	2.98	2.94	3.15	3.57	3.82	2.64	2.84	3.39	3.50	3.01	3.56	3.65
<b>TYPE OF FAMILY AND NUMBER OF OWN CHILDREN</b>													
All families	1 337	432	1 140	225	1 109	1 020	395	1 421	38	10	1 176	498	872
With own children under 18 years	708	243	604	114	667	633	198	705	22	7	621	315	597
Number of children	1 605	558	1 272	298	1 919	1 897	476	1 594	58	20	1 343	783	1 406
Husband-wife families	1 194	388	979	168	845	728	339	1 221	33	7	1 098	464	822
With own children under 18 years	633	216	515	82	488	416	170	603	18	5	578	293	567
Number of children	1 444	498	1 097	211	1 368	1 271	405	1 385	51	16	1 264	729	1 332
Percent of total under 18 years	87.6	87.7	81.8	59.9	64.6	59.6	81.2	83.0	79.7	80.0	91.5	91.2	91.4
Families with other male head	27	11	31	11	36	42	10	25	2	—	12	8	11
With own children under 18 years	12	4	10	3	17	17	1	12	1	—	1	3	7
Number of children	27	8	24	6	42	36	2	21	1	—	1	12	17
Families with female head	116	33	130	46	228	250	46	175	3	3	66	26	39
With own children under 18 years	63	23	79	29	162	200	27	90	3	2	42	19	23
Number of children	134	52	151	81	509	590	69	188	6	4	78	42	57
Percent of total under 18 years	8.1	9.2	11.3	23.0	24.0	27.6	13.8	11.3	9.4	20.0	5.6	5.3	3.9
Persons under 18 years	1 648	568	1 341	352	2 118	2 134	499	1 668	64	20	1 381	799	1 457
<b>MARITAL STATUS</b>													
<b>Male, 14 years old and over</b>													
Single	1 713	588	1 436	349	1 492	1 422	531	1 811	52	9	1 529	661	1 185
Married	412	156	343	100	440	487	117	418	12	—	358	166	314
Separated	1 216	396	998	202	930	815	357	1 267	36	8	1 112	473	842
Widowed	13	3	7	25	51	56	11	27	3	—	2	1	4
Divorced	45	24	49	22	66	75	28	49	1	1	35	14	15
Percent	40	12	46	25	56	45	29	77	3	—	24	8	14
<b>Female, 14 years old and over</b>													
Single	1 938	621	1 709	371	1 796	1 591	655	2 027	52	14	1 713	694	1 203
Married	387	143	312	96	509	427	121	323	11	2	359	146	260
Separated	1 230	405	1 026	205	981	912	364	1 284	35	9	1 129	481	845
Widowed	20	8	26	25	89	142	18	39	2	—	10	2	5
Divorced	242	57	278	46	214	168	145	301	4	2	184	47	71
Percent	79	16	93	24	92	84	25	119	2	1	41	20	27

Table P-1. General Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.												
	Tract 0018	Tract 0019.01	Tract 0019.02	Tract 0020	Tract 0022	Tract 0023	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029
<b>RACE</b>													
All persons	2 746	2 245	5 524	3 041	4 176	7 161	2 668	6 067	3 614	2 761	6 131	4 083	4 454
White	2 251	2 213	5 492	2 996	4 163	7 132	2 530	6 043	3 533	2 756	6 091	4 068	4 433
Negro	484	21	14	14	9	5	131	12	20	—	2	1	12
Percent Negro	17.6	0.9	0.3	0.5	0.2	0.1	4.9	0.2	0.6	—	—	—	0.3
<b>AGE BY SEX</b>													
<b>Male, all ages</b>													
Under 5 years	1 363	1 127	2 700	1 508	2 014	3 526	1 289	3 003	1 757	1 375	3 057	2 038	2 236
3 and 4 years	125	113	256	162	173	329	83	233	208	143	290	202	240
5 to 9 years	47	50	92	70	73	133	31	105	77	61	131	78	113
10 to 14 years	174	155	291	183	241	485	133	356	200	146	427	236	302
15 to 19 years	24	26	50	32	46	90	19	58	42	24	68	28	52
20 to 24 years	34	29	57	36	39	99	27	66	40	32	91	49	59
25 to 34 years	180	163	351	205	245	509	183	423	176	178	467	266	319
35 to 44 years	27	28	59	34	33	112	34	86	30	30	93	55	63
45 to 54 years	157	114	279	154	177	387	144	340	162	141	313	204	236
55 to 64 years	39	28	65	39	43	99	30	86	41	32	88	54	51
65 to 74 years	42	19	56	38	39	81	35	77	33	31	81	53	66
75 years and over	30	31	72	37	31	97	30	73	39	30	52	52	53
Female, all ages	26	20	48	29	35	63	30	55	26	27	45	31	34
Under 5 years	65	69	163	104	87	129	66	120	129	91	136	123	115
3 and 4 years	11	16	30	17	13	36	19	25	12	18	32	24	19
5 to 9 years	8	13	31	14	11	18	13	25	16	18	20	16	18
10 to 14 years	145	142	334	187	226	434	108	291	228	170	385	253	250
15 to 19 years	159	127	278	170	258	508	152	375	152	149	399	254	264
20 to 24 years	181	122	325	168	253	438	191	425	199	153	345	221	234
25 to 34 years	74	41	102	62	103	134	69	150	105	72	117	100	88
35 to 44 years	33	33	108	53	79	91	61	126	79	54	73	63	69
45 to 54 years	49	14	66	21	63	18	29	55	28	24	41	35	45
55 to 64 years	21	14	66	21	63	18	29	55	28	24	41	35	45
65 to 74 years	21	14	66	21	63	18	29	55	28	24	41	35	45
75 years and over	25	15	109	21	94	59	46	74	33	22	51	44	65
<b>RELATIONSHIP TO HEAD OF HOUSEHOLD</b>													
All persons	2 746	2 245	5 524	3 041	4 176	7 161	2 668	6 067	3 614	2 761	6 131	4 083	4 454
In households	2 697	2 237	5 365	3 038	4 114	7 150	2 668	6 067	3 606	2 761	6 121	4 083	4 435
Head of household	732	594	1 574	825	1 249	1 876	820	1 673	1 135	804	1 608	1 158	1 150
Head of family	665	538	1 392	744	1 100	1 754	701	1 554	944	714	1 480	1 022	1 035
Primary individual	67	56	182	81	149	122	119	119	191	90	128	136	115
Wife of head	597	490	1 251	676	1 012	1 644	632	1 473	845	640	1 365	938	936
Other relative of head	1 349	1 133	2 483	1 513	1 817	3 619	1 190	2 881	1 593	1 299	3 111	1 951	2 323
Not related to head	19	20	57	24	36	11	26	40	33	18	37	36	26
In group quarters	49	8	159	3	62	11	—	—	8	—	10	—	19
Persons per household	3.68	3.77	3.41	3.68	3.29	3.81	3.25	3.63	3.18	3.43	3.81	3.53	3.86
<b>TYPE OF FAMILY AND NUMBER OF OWN CHILDREN</b>													
All families	665	538	1 392	744	1 100	1 754	701	1 554	944	714	1 480	1 022	1 035
With own children under 18 years	443	386	867	490	630	1 251	393	954	520	444	1 035	632	693
Number of children	1 104	940	2 027	1 244	1 470	3 107	959	2 348	1 285	1 055	2 666	1 599	1 925
Husband-wife families	597	490	1 251	676	1 012	1 644	632	1 473	845	640	1 365	938	936
With own children under 18 years	399	351	773	446	594	1 181	359	907	453	391	956	587	637
Number of children	995	857	1 834	1 135	1 410	2 947	868	2 236	1 121	936	2 467	1 493	1 785
Percent of total under 18 years	86.1	86.0	86.6	87.2	93.5	93.3	89.3	92.4	81.6	85.6	89.5	89.3	89.1
Families with other male head	16	5	20	15	19	20	13	13	22	16	20	16	25
With own children under 18 years	7	5	11	8	6	10	3	7	9	11	8	8	11
Number of children	20	10	19	22	11	26	6	20	22	19	12	18	27
Families with female head	52	43	121	53	69	90	56	68	77	58	95	68	74
With own children under 18 years	37	30	83	36	30	60	31	40	58	42	71	37	45
Number of children	89	73	174	87	49	134	85	92	142	100	187	88	113
Percent of total under 18 years	7.7	7.3	8.2	6.7	3.2	4.2	8.7	3.8	10.3	9.1	6.8	5.3	5.6
Persons under 18 years	1 156	996	2 117	1 301	1 508	3 159	972	2 420	1 374	1 093	2 755	1 672	2 003
<b>MARITAL STATUS</b>													
<b>Male, 14 years old and over</b>													
Single	911	724	1 861	992	1 388	2 315	924	2 077	1 203	938	1 966	1 389	1 438
Married	244	179	452	252	298	617	232	528	252	240	509	362	414
Separated	631	506	1 288	701	1 027	1 663	649	1 497	862	659	1 394	971	963
Widowed	9	6	19	10	5	4	9	5	18	7	13	10	13
Divorced	18	13	79	15	40	19	14	27	31	15	30	25	28
Female, 14 years old and over	18	26	42	24	23	16	29	25	38	24	33	31	33
Single	970	751	2 059	1 054	1 611	2 436	1 034	2 190	1 290	985	2 031	1 433	1 482
Married	233	161	424	242	369	557	240	492	203	213	439	302	355
Separated	640	514	1 316	702	1 036	1 689	661	1 519	903	665	1 427	978	975
Widowed	17	10	31	5	10	16	14	13	26	13	31	13	14
Divorced	64	55	228	75	161	143	99	142	135	68	114	107	122
Persons under 18 years	33	21	91	35	45	47	34	37	49	39	51	46	30

Table P-1. General Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.										Totals for split tracts		
	Tract 0030	Tract 0031	Tract 0032	Tract 0033	Tract 0034	Tract 0035	Tract 0036	Tract 0037	Tract 0038	Tract 0039	Tract 0040	Tract 0001	Tract 0004
<b>RACE</b>													
All persons	3 367	2 947	3 743	2 628	3 256	2 288	2 738	4 638	3 335	1 224	775	2 048	7 315
White	3 351	2 865	3 665	2 610	3 175	2 265	2 360	4 614	3 330	1 210	744	1 902	7 081
Negro	9	60	49	2	61	7	363	10	—	3	10	128	168
Percent Negro	0.3	2.0	1.3	0.1	1.9	0.3	13.3	0.2	—	0.2	1.3	6.3	2.3
<b>AGE BY SEX</b>													
<b>Male, all ages</b>													
Under 5 years	1 684	1 460	1 891	1 335	1 617	1 173	1 374	2 220	1 624	625	369	999	3 485
3 and 4 years	161	158	203	118	149	98	151	207	150	54	29	89	295
5 to 9 years	69	71	91	55	58	39	59	89	62	23	13	34	130
10 to 14 years	234	202	257	192	203	148	178	218	188	88	44	120	367
15 to 19 years	34	35	35	34	30	24	32	41	31	19	13	20	68
20 to 24 years	51	31	47	32	25	29	39	34	29	12	8	22	70
25 to 34 years	219	199	262	184	225	163	174	258	225	88	35	108	402
35 to 44 years	41	30	47	37	41	33	27	55	44	14	6	21	86
45 to 54 years	183	157	228	141	174	139	157	207	166	66	37	104	363
55 to 64 years	41	33	52	29	45	34	46	50	44	17	14	19	77
65 to 74 years	44	38	48	38	32	28	35	44	37	18	8	22	93
75 years and over	41	42	58	38	35	34	32	45	32	14	4	28	74
Under 5 years	35	23	47	24	40	20	28	41	32	10	6	17	64
3 and 4 years	22	21	23	12	22	23	16	27	21	7	5	18	55
5 to 9 years	94	98	119	71	102	51	80	139	99	28	17	110	204
10 to 14 years	15	22	26	9	22	7	22	31	20	8	2	15	32
15 to 19 years	12	15	19	9	18	8	19	22	16	3	3	14	43
20 to 24 years	207	191	231	148	209	152	156	295	195	85	52	152	356
25 to 34 years	177	145	195	142	178	131	147	267	186	79	45	83	340
35 to 44 years	163	151	182	144	161	124	127	248	159	52	45	96	416
45 to 54 years	74	50	71	62	77	50	69	103	85	27	21	35	239
55 to 64 years	60	47	41	43	56	27	48	72	62	9	10	36	183
65 to 74 years	62	49	74	63	51	62	63	124	68	34	20	46	240
75 years and over	50	13	28	27	32	28	24	82	41	15	14	20	100
<b>Female, all ages</b>													
Under 5 years	1 683	1 487	1 852	1 293	1 639	1 115	1 364	2 418	1 711	599	406	1 049	3 800
3 and 4 years	181	167	183	120	159	104	116	198	121	55	48	112	312
5 to 9 years	78	73	81	43	70	44	44	78	50	24	19	48	127
10 to 14 years	234	203	260	172	193	153	180	237	201	72	50	91	362
15 to 19 years	42	31	42	27	36	33	41	35	41	12	13	21	54
20 to 24 years	49	40	59	36	36	33	40	52	45	14	10	23	76
25 to 34 years	218	204	211	163	219	135	178	287	219	79	48	88	352
35 to 44 years	41	32	35	33	37	20	37	57	43	17	6	13	77
45 to 54 years	146	152	191	123	172	80	131	210	179	67	36	100	377
55 to 64 years	35	41	49	27	38	18	32	43	49	14	7	20	71
65 to 74 years	43	32	37	34	43	22	31	56	47	15	8	25	79
75 years and over	27	34	36	21	35	15	27	41	31	12	10	16	91
Under 5 years	22	23	33	21	28	11	23	35	27	16	5	12	78
3 and 4 years	19	22	36	20	28	14	18	35	25	10	6	27	58
5 to 9 years	119	124	130	78	139	77	104	165	119	28	30	141	246
10 to 14 years	28	24	24	5	20	16	31	27	28	6	10	19	46
15 to 19 years	23	30	26	21	37	10	17	26	21	3	4	20	49
20 to 24 years	224	196	228	176	215	159	156	300	199	91	54	153	396
25 to 34 years	147	171	234	130	193	129	153	291	189	72	37	93	379
35 to 44 years	172	141	188	153	167	139	143	247	200	64	48	99	520
45 to 54 years	66	42	78	47	56	36	56	111	76	16	13	46	240
55 to 64 years	56	36	58	42	46	30	67	86	61	19	15	43	200
65 to 74 years	62	32	46	52	55	44	54	157	77	23	19	54	256
75 years and over	58	19	25	37	25	29	26	129	70	13	8	29	160
<b>RELATIONSHIP TO HEAD OF HOUSEHOLD</b>													
All persons	3 367	2 947	3 743	2 628	3 256	2 288	2 738	4 638	3 335	1 224	775	2 048	7 315
In households	3 365	2 937	3 729	2 628	3 256	2 288	2 738	4 576	3 335	1 224	775	1 857	7 241
Head of household	888	760	1 000	722	893	625	767	1 447	974	336	226	597	2 261
Head of family	787	685	883	633	792	561	659	1 192	840	298	201	504	1 940
Primary individual	101	75	117	89	101	64	108	255	134	38	25	93	321
Wife of head	725	613	794	575	725	525	594	1 076	765	275	194	442	1 734
Other relative of head	1 731	1 536	1 901	1 309	1 600	1 128	1 358	2 013	1 576	607	350	796	3 193
Not related to head	21	28	34	22	38	10	19	40	20	6	5	22	53
In group quarters	2	10	14	—	—	—	—	62	—	—	—	191	74
Persons per household	3.79	3.86	3.73	3.64	3.65	3.66	3.57	3.16	3.42	3.64	3.43	3.11	3.20
<b>TYPE OF FAMILY AND NUMBER OF OWN CHILDREN</b>													
All families	787	685	883	633	792	561	659	1 192	840	298	201	504	1 940
With own children under 18 years	506	485	583	412	511	355	407	670	502	194	118	269	1 037
Number of children	1 390	1 292	1 579	1 080	1 300	917	1 098	1 630	1 303	492	291	623	2 460
Husband-wife families	725	613	794	575	725	525	594	1 076	765	275	194	442	1 734
With own children under 18 years	472	435	520	378	473	339	361	614	457	183	113	234	939
Number of children	1 300	1 171	1 374	1 005	1 204	881	968	1 520	1 217	466	279	551	2 242
Percent of total under 18 years	88.0	86.5	83.0	88.5	87.5	92.5	82.0	90.3	90.6	88.6	91.5	74.7	86.7
Families with other male head	22	11	14	17	13	13	9	23	11	5	1	9	35
With own children under 18 years	7	6	9	7	7	3	2	3	4	—	—	3	9
Number of children	14	11	28	11	13	8	6	7	5	—	—	5	24
Families with female head	40	61	75	41	54	23	56	93	64	18	6	53	171
With own children under 18 years	27	44	54	27	31	13	44	53	41	11	5	32	89
Number of children	76	110	177	64	83	28	124	103	81	26	12	67	194
Percent of total under 18 years	5.1	8.1	10.7	5.6	6.0	2.9	10.5	6.1	6.0	4.9	3.9	9.1	7.5
Persons under 18 years	1 478	1 353	1 656	1 136	1 376	952	1 180	1 684	1 344	526	305	738	2 585
<b>MARITAL STATUS</b>													
<b>Male, 14 years old and over</b>													
Single	1 111	931	1 216	878	1 081	797	898	1 592	1 105	409	267	783	2 507
Married	301	249	346	226	277	228	232	389	284	105	53	220	595
Separated	757	633	823	610	756	541	618	1 106	781	281	197	456	1 782
Widowed	11	13	11	16	14	6	7	11	7	1	1	6	14
Divorced	29	20	11	21	27	19	19	42	20	9	6	10	83
Female, 14 years old and over	24	29	36	21	21	9	29	55	20	14	11	17	47
Single	1 091	945	1 233	871	1 105	743	927	1 753	1 213	410	266	771	2 871
Married	224	196	238	169	232	126	188	364	267	94	45	197	609
Separated	766	649	841	603	769	548	631	1 125	787	283	203	467	1 825
Widowed	15	20	21	12	14	7	22	21	10	2	4	12	39
Divorced	78	62	101	73	74	53	71	212	121	23	12	72	348
Female, 14 years old and over	23	38	53	26	30	16	37	52	38	10	6	35	89

**Table P-2. Social Characteristics of the Population: 1970**

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

Census Tracts	Muskegon County				Muskegon								
	Total	Muskegon	Muskegon Heights	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006.01	Tract 0006.02	Tract 0007	Tract 0008
<b>NATIVITY, PARENTAGE, &amp; COUNTRY OF ORIGIN</b>													
All persons	157 426	44 631	17 304	95 491	1 961	2 538	4 947	7 273	6 926	2 147	3 608	350	4 207
Native of native parentage	135 608	36 513	15 352	83 743	1 666	2 429	4 047	6 040	5 597	1 605	3 010	283	3 316
Native of foreign or mixed parentage	17 988	6 638	1 551	9 799	237	89	709	1 109	1 087	428	428	47	721
Foreign born	3 830	1 480	401	1 949	58	20	191	124	242	114	170	20	170
Foreign stock	21 818	8 118	1 952	11 748	295	109	900	1 233	1 329	542	598	67	891
United Kingdom	1 255	524	59	672	32	—	62	57	94	32	12	16	25
Ireland (Eire)	272	140	—	132	12	5	30	22	11	—	24	—	8
Sweden	1 944	840	79	1 025	9	11	53	132	97	50	70	9	157
Germany	2 581	780	185	1 616	28	—	38	97	167	39	69	—	81
Poland	1 859	698	202	959	27	14	5	40	57	85	38	7	90
Czechoslovakia	709	73	229	407	—	—	6	19	15	5	—	—	—
Austria	701	188	184	329	10	—	7	25	20	—	—	—	40
Hungary	534	110	106	318	—	—	—	—	97	6	—	—	7
U.S.S.R.	346	76	34	236	—	—	—	—	12	6	16	—	—
Italy	714	250	41	423	22	6	—	37	24	5	14	—	36
Canada	2 718	854	300	1 564	15	17	119	113	132	31	81	—	108
Mexico	541	138	34	369	45	—	13	—	19	—	7	—	—
Cuba	10	6	—	4	—	—	—	6	—	—	—	—	—
Other America	100	29	—	71	—	5	—	—	—	24	—	—	—
All other and not reported	7 534	3 412	499	3 623	95	51	567	685	584	259	267	35	339
Persons of Spanish language <sup>1</sup>	2 221	569	279	1 373	45	—	57	88	62	164	13	9	29
Other persons of Spanish surname <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
Persons of Spanish mother tongue	1 549	456	208	885	34	—	27	73	62	128	13	9	29
Persons of Puerto Rican birth or parentage	81	63	10	8	—	—	—	21	10	—	6	—	—
<b>SCHOOL ENROLLMENT</b>													
Enrolled persons, 3 to 34 years old	50 467	12 805	5 300	32 362	478	820	1 535	2 185	2 113	566	910	26	1 111
Nursery school	459	150	17	292	21	30	55	21	6	—	10	—	—
Public	215	93	12	110	—	30	39	8	6	—	10	—	—
Kindergarten	3 154	851	370	1 933	51	43	91	162	156	32	87	—	55
Public	3 105	825	358	1 922	51	43	91	141	156	32	82	—	55
Elementary	30 280	7 205	3 197	19 878	245	515	924	1 195	1 258	234	485	—	663
Public	27 009	6 012	2 688	18 309	182	510	834	868	1 063	157	438	—	490
High school	13 346	3 437	1 418	8 491	81	215	397	627	406	255	267	7	277
Public	11 840	2 861	1 102	7 877	58	215	372	490	312	186	208	7	240
College	3 228	1 162	298	1 768	80	17	68	180	287	45	61	19	116
Percent enrolled in school by age:													
16 and 17 years	91.6	90.6	83.0	93.8	39.8	95.1	85.3	99.7	95.5	99.9	77.5	—	81.6
18 and 19 years	54.2	48.5	48.6	58.5	36.1	45.2	32.1	52.8	67.6	50.0	44.5	—	40.7
20 and 21 years	18.6	16.5	20.0	19.7	18.6	8.6	12.1	11.6	22.9	6.9	17.1	—	22.3
22 to 24 years	9.4	11.3	9.4	8.2	13.9	—	5.0	12.0	15.0	15.9	11.0	30.0	6.6
25 to 34 years	4.8	7.6	4.5	3.8	7.4	4.3	9.2	8.7	4.7	2.9	5.7	28.6	10.8
Percent 16 to 21 years not high school graduates and not enrolled in school	14.0	15.4	19.9	11.9	34.5	18.4	24.2	14.4	12.7	11.1	15.8	79.6	14.3
<b>YEARS OF SCHOOL COMPLETED</b>													
Persons, 25 years old and over	80 161	23 928	8 582	47 651	961	1 178	2 470	4 011	3 561	1 245	1 991	260	2 385
No school years completed	751	300	162	289	45	22	19	13	62	24	15	10	51
Elementary: 1 to 4 years	1 902	823	448	711	58	114	158	70	96	59	66	34	72
5 to 7 years	6 440	2 363	1 164	2 913	94	217	395	313	309	90	316	46	186
8 years	8 754	3 449	1 591	7 316	122	198	440	749	562	178	390	41	355
High school: 1 to 3 years	20 919	6 420	2 559	11 940	271	354	656	1 106	1 017	264	537	87	556
4 years	24 664	6 627	1 976	16 061	242	204	542	1 317	1 014	337	438	31	694
College: 1 to 3 years	7 170	2 045	448	4 677	52	66	161	302	308	147	133	5	276
4 years or more	5 479	1 501	234	3 744	77	3	99	141	193	146	96	6	195
Median school years completed	11.6	11.2	10.1	12.0	10.8	9.3	10.0	11.3	11.2	12.0	10.2	9.0	11.9
Percent high school graduates	46.5	42.5	31.0	51.4	38.6	23.2	32.5	43.9	42.5	50.6	33.5	16.2	48.8
<b>CHILDREN EVER BORN</b>													
Women, 35 to 44 years old ever married	8 815	2 110	773	5 932	91	124	196	375	308	96	151	—	143
Children ever born	31 706	7 837	2 924	20 945	186	622	873	1 235	1 286	348	595	—	663
Per 1,000 women ever married	3 597	3 714	3 783	3 531	2 044	5 016	4 454	3 293	4 175	3 625	3 940	—	4 636
<b>RESIDENCE IN 1965</b>													
Persons, 5 years old and over, 1970 <sup>2</sup>	143 231	40 774	15 468	86 989	1 777	2 206	4 428	6 691	6 300	1 995	3 293	350	3 893
Same house as in 1970	84 981	24 020	9 418	51 543	885	1 230	2 541	4 406	3 737	1 077	1 541	73	1 931
Different house:													
In central city of this SMSA	23 524	8 560	3 196	11 768	267	422	1 059	1 254	1 339	276	907	93	958
In other part of this SMSA	12 975	1 861	486	10 628	43	83	206	259	412	31	134	16	290
Outside this SMSA	13 415	3 295	1 236	8 884	452	225	337	515	436	120	278	53	275
North and West	11 411	2 825	819	7 767	437	129	250	463	350	120	262	53	182
South	2 004	470	417	1 117	15	96	87	52	86	—	16	—	93
Abroad	574	206	20	348	17	5	19	14	13	—	77	8	26
<b>MEANS OF TRANSPORTATION AND PLACE OF WORK</b>													
All workers	55 032	16 243	5 378	33 411	685	626	1 586	2 734	2 489	764	1 343	146	1 693
Private auto: Driver	41 877	11 215	3 685	26 977	542	372	1 016	2 049	1 672	443	854	35	1 058
Passenger	7 439	2 686	972	3 781	74	147	377	437	397	125	227	9	306
Bus or streetcar	566	319	96	151	17	59	21	—	33	16	49	16	37
Subway, elevated train, or railroad	20	—	—	20	—	—	—	—	—	—	—	—	—
Walked to work	3 104	1 451	472	1 181	31	43	99	126	281	152	165	86	230
Worked at home	1 035	292	61	682	6	—	29	42	61	17	38	—	45
Other	991	280	92	619	15	5	44	80	45	11	10	—	17
Inside SMSA	47 938	14 334	4 536	29 068	626	420	1 336	2 554	2 237	695	966	112	1 544
Muskegon city	26 442	10 384	2 387	13 671	445	312	996	1 701	1 658	505	705	78	1 169
Muskegon Heights city	5 921	1 412	1 279	3 230	64	18	160	245	239	83	109	—	153
Remainder of Muskegon County	15 575	2 538	870	12 167	117	90	180	608	340	107	152	34	222
Outside SMSA	3 314	524	176	2 614	27	39	88	78	64	39	75	—	24
Place of work not reported	3 780	1 385	666	1 729	32	167	162	102	188	30	302	34	125

<sup>1</sup>See text for definition. <sup>2</sup>Includes "Moved, 1965 residence not reported."

Table P-2. Social Characteristics of the Population: 1970—Continued

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

Census Tracts	Muskegon—Con.			Muskegon Heights					Balance of Muskegon County				
	Tract 0009	Tract 0010	Tract 0021	Tract 0011	Tract 0012	Tract 0013	Tract 0014.01	Tract 0014.02	Tract 0001	Tract 0004	Tract 0015	Tract 0016	Tract 0017
<b>NATIVITY, PARENTAGE, &amp; COUNTRY OF ORIGIN</b>													
All persons	4 815	1 691	4 168	884	5 031	4 640	1 628	5 121	245	66	4 259	2 101	3 393
Native of native parentage	3 788	1 336	3 396	765	4 580	4 608	1 267	4 132	189	66	3 608	1 813	3 056
Native of foreign or mixed parentage	858	335	590	98	333	32	295	793	51	—	583	218	294
Foreign born	169	20	182	21	118	—	66	196	5	—	68	70	43
Foreign stock	1 027	355	772	119	451	32	361	989	56	—	651	288	337
United Kingdom	49	31	114	—	34	—	—	25	22	—	43	26	20
Ireland (Eire)	7	8	13	—	—	—	—	—	—	—	4	13	—
Sweden	169	37	46	—	13	—	52	14	—	—	92	13	29
Germany	121	55	85	7	80	—	14	84	—	—	103	11	77
Poland	160	21	154	21	87	4	26	64	—	—	20	25	15
Czechoslovakia	14	8	6	—	80	—	34	115	—	—	8	4	—
Austria	66	4	14	—	15	—	80	89	—	—	8	5	13
Hungary	—	7	—	27	19	—	16	44	—	—	7	5	6
U.S.S.R.	—	14	21	7	—	—	4	23	—	—	38	—	5
Italy	27	22	57	—	8	—	7	26	—	—	30	15	6
Canada	141	39	58	12	23	—	54	211	—	—	71	56	50
Mexico	42	—	12	14	—	3	7	10	—	—	—	—	—
Cuba	—	—	—	—	—	—	—	—	—	—	—	—	—
Other America	—	—	—	—	—	—	—	—	—	—	—	—	—
All other and not reported	231	107	192	31	92	25	67	284	34	—	227	115	116
Persons of Spanish language <sup>1</sup>	42	—	60	36	18	29	56	140	—	—	19	43	—
Other persons of Spanish surname <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
Persons of Spanish mother tongue	42	—	39	36	10	24	26	112	—	—	6	6	—
Persons of Puerto Rican birth or parentage	—	—	26	—	10	—	—	—	—	—	—	—	—
<b>SCHOOL ENROLLMENT</b>													
Enrolled persons, 3 to 34 years old	1 474	503	1 084	236	1 639	1 739	402	1 284	109	19	1 285	668	1 226
Nursery school	7	—	—	—	5	—	12	—	—	—	46	—	11
Kindergarten	117	5	52	8	152	113	15	82	—	—	105	55	45
Elementary	788	306	592	129	959	1 133	210	766	63	19	604	405	711
High school	726	246	498	129	826	1 068	114	551	37	19	604	405	681
College	447	137	321	88	410	473	144	303	46	—	403	154	401
Percent enrolled in school by age:													
16 and 17 years	92.9	99.9	89.1	77.5	89.3	80.8	99.9	74.8	—	—	99.9	98.1	98.3
18 and 19 years	46.0	56.9	42.2	39.2	43.3	57.9	31.3	54.9	—	—	66.4	64.1	84.8
20 and 21 years	22.6	23.3	18.2	—	24.8	7.9	22.5	32.6	—	—	38.9	13.1	7.1
22 to 24 years	9.6	9.4	11.2	—	18.3	4.7	—	7.6	—	—	3.8	—	—
25 to 34 years	7.5	13.0	6.8	—	6.7	6.0	3.7	2.3	—	—	7.3	12.8	2.4
Percent 16 to 21 years not high school graduates and not enrolled in school	7.7	—	9.9	24.1	23.0	19.8	23.8	14.0	—	—	4.1	12.3	5.4
<b>YEARS OF SCHOOL COMPLETED</b>													
Persons, 25 years old and over	2 707	916	2 243	481	2 270	2 012	942	2 877	85	10	2 496	1 054	1 735
No school years completed	5	6	28	33	70	56	—	3	—	—	—	7	6
Elementary: 1 to 4 years	38	10	48	44	115	214	23	52	—	—	11	13	17
5 to 7 years	182	43	172	76	306	341	168	283	7	—	73	84	49
8 years	351	94	369	100	355	415	144	577	14	—	174	159	187
High school: 1 to 3 years	799	211	562	168	701	627	271	792	20	5	359	226	428
4 years	897	234	677	56	476	270	274	900	44	—	831	355	640
College: 1 to 3 years	225	146	224	4	172	67	41	164	—	5	481	92	194
4 years or more	210	172	163	—	75	22	31	106	—	—	567	118	214
Median school years completed	11.9	12.4	11.7	8.9	10.2	9.0	10.6	11.0	12.0	—	12.8	12.1	12.3
Percent high school graduates	49.2	60.3	47.4	12.5	31.9	17.8	36.7	40.7	51.8	—	75.3	53.6	60.4
<b>CHILDREN EVER BORN</b>													
Women, 35 to 44 years old ever married	317	108	201	47	265	196	57	208	15	—	235	112	262
Children ever born	1 008	354	667	125	1 007	929	211	652	110	—	672	368	800
Per 1,000 women ever married	3 180	3 278	3 318	2 660	3 800	4 740	3 702	3 135	—	—	2 860	3 286	3 053
<b>RESIDENCE IN 1965</b>													
Persons, 5 years old and over, 1970 <sup>2</sup>	4 510	1 548	3 783	802	4 458	4 113	1 474	4 621	220	51	3 972	1 912	3 144
Same house as in 1970	3 180	1 085	2 334	469	2 521	2 682	899	2 847	89	38	1 943	1 226	1 956
Different house:													
In central city of this SMSA	927	250	808	140	933	735	415	973	23	—	494	228	449
In other part of this SMSA	158	79	150	38	192	30	3	223	108	—	502	180	213
Outside this SMSA	155	123	326	23	381	349	123	360	—	13	864	136	379
North and West	155	115	309	8	145	277	117	272	—	13	679	90	323
South	—	8	17	15	236	72	6	88	—	—	185	46	56
Abroad	7	—	20	—	5	—	—	15	—	—	14	—	—
<b>MEANS OF TRANSPORTATION AND PLACE OF WORK</b>													
All workers	1 870	740	1 567	290	1 608	1 163	569	1 748	80	18	1 526	696	1 327
Private auto: Driver	1 403	600	1 171	175	1 067	757	415	1 271	61	5	1 214	578	1 161
Passenger	275	78	234	73	358	227	77	237	13	13	175	88	140
Bus or streetcar	34	16	21	—	16	25	13	42	—	—	—	—	7
Subway, elevated train, or railroad	—	—	—	—	—	—	—	—	—	—	—	—	—
Walked to work	112	33	93	42	129	119	36	146	—	—	39	—	6
Worked at home	31	6	17	—	16	20	7	18	6	—	59	7	7
Other	15	7	31	—	22	15	21	34	—	—	39	23	6
Inside SMSA	1 735	673	1 436	242	1 383	895	506	1 510	80	18	1 422	658	1 217
Muskegon city	1 298	507	1 010	156	798	485	244	704	42	—	755	302	685
Muskegon Heights city	131	73	137	73	318	236	176	476	15	—	104	45	76
Remainder of Muskegon County	306	93	289	13	267	174	86	330	23	18	563	311	456
Outside SMSA	40	12	38	23	42	6	37	68	—	—	42	5	19
Place of work not reported	95	55	93	25	183	262	26	170	—	—	62	33	91

<sup>1</sup>See text for definition. <sup>2</sup>Includes "Moved, 1965 residence not reported."

Table P-2. Social Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.												
	Tract 0018	Tract 0019.01	Tract 0019.02	Tract 0020	Tract 0022	Tract 0023	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029
<b>NATIVITY, PARENTAGE, &amp; COUNTRY OF ORIGIN</b>													
All persons	2 730	2 230	5 259	3 148	4 176	7 161	2 668	6 090	3 671	2 907	5 793	4 111	4 454
Native of native parentage	2 432	2 037	4 622	2 823	3 285	6 047	2 192	5 003	3 314	2 459	5 142	3 678	4 119
Native of foreign or mixed parentage	239	167	511	261	675	928	406	946	336	390	517	349	298
Foreign born	59	26	126	64	216	186	70	141	21	58	134	84	37
Foreign stock	298	193	637	325	891	1 114	476	1 087	357	448	651	433	335
United Kingdom	6	30	6	14	21	36	47	76	6	12	57	8	—
Ireland (Eire)	—	—	—	—	7	23	—	17	8	—	6	6	12
Sweden	12	42	48	12	64	68	26	104	31	27	40	29	14
Germany	47	18	79	43	94	143	60	155	37	58	175	75	9
Poland	12	26	48	16	139	103	60	28	70	43	35	69	6
Czechoslovakia	11	5	7	17	62	41	17	46	—	18	7	5	15
Austria	—	14	8	7	15	79	5	74	14	26	14	15	—
Hungary	9	6	—	—	54	50	4	41	7	—	38	—	68
U.S.S.R.	—	—	—	—	35	35	7	6	—	35	15	8	5
Italy	5	—	33	20	102	65	28	13	6	7	26	—	27
Canada	50	7	177	23	41	194	49	114	23	48	64	75	50
Mexico	9	8	19	42	—	—	—	—	20	8	—	—	—
Cuba	—	—	—	—	—	—	4	—	—	—	6	—	—
Other America	—	—	7	—	—	19	—	—	—	—	—	121	129
All other and not reported	137	37	205	131	257	258	169	413	135	166	168	75	—
Persons of Spanish language <sup>1</sup>	13	64	101	67	—	35	4	—	137	63	—	—	—
Other persons of Spanish surname <sup>1</sup>	—	—	—	—	—	—	15	4	—	123	26	—	41
Persons of Spanish mother tongue	13	53	41	67	—	—	—	—	—	—	—	—	—
Persons of Puerto Rican birth or parentage	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>SCHOOL ENROLLMENT</b>													
Enrolled persons, 3 to 34 years old	962	775	1 547	1 078	1 314	2 798	899	2 156	977	1 043	2 087	1 431	1 592
Nursery school	—	6	—	6	43	48	5	8	35	18	—	—	13
Public	—	6	—	—	28	13	—	8	25	—	—	—	—
Kindergarten	33	44	86	81	83	178	45	106	97	59	123	77	103
Public	33	44	86	81	83	178	45	106	97	59	123	77	103
Elementary	617	543	861	713	730	1 650	497	1 301	575	631	1 347	901	939
Public	611	523	782	642	570	1 418	396	1 199	453	565	1 261	878	800
High school	271	157	508	244	330	733	237	624	251	247	537	397	481
Public	258	157	501	221	267	595	222	564	225	194	471	392	477
College	41	25	92	34	128	189	115	117	19	88	80	56	56
Percent enrolled in school by age:													
16 and 17 years	82.0	76.9	94.5	99.9	98.0	97.5	99.9	99.9	89.6	96.1	86.2	87.3	97.8
18 and 19 years	81.8	33.3	45.8	31.9	66.7	74.5	83.8	57.4	47.6	53.3	46.2	38.5	25.6
20 and 21 years	25.8	19.6	7.1	18.6	36.6	29.6	20.0	24.5	19.7	9.6	51.7	15.9	21.4
22 to 24 years	22.1	7.4	5.7	9.7	6.2	13.1	33.1	14.0	—	19.9	—	13.3	9.1
25 to 34 years	1.5	2.2	5.3	1.5	7.6	3.5	—	4.8	—	8.8	2.5	8.1	1.1
Percent 16 to 21 years not high school graduates and not enrolled in school	8.1	30.1	7.1	12.2	2.2	2.2	7.8	3.5	26.8	19.9	9.6	12.5	11.0
<b>YEARS OF SCHOOL COMPLETED</b>													
Persons, 25 years old and over	1 340	1 038	2 810	1 436	2 343	3 499	1 415	3 171	1 790	1 440	2 841	2 056	2 064
No school years completed	22	17	6	25	—	5	4	—	25	5	6	10	6
Elementary: 1 to 4 years	38	33	38	37	33	29	10	11	54	21	27	27	35
5 to 7 years	107	75	241	107	110	46	53	114	147	58	135	154	189
8 years	163	161	572	331	212	243	157	397	380	250	551	356	414
High school: 1 to 3 years	342	390	745	370	489	603	332	678	585	433	888	584	495
4 years	390	292	877	450	923	1 398	528	1 268	467	484	906	663	664
College: 1 to 3 years	177	45	225	99	336	609	151	370	104	128	210	163	169
4 years or more	101	25	106	17	240	566	180	333	28	61	118	99	92
Median school years completed	12.0	10.8	11.2	10.8	12.4	12.6	12.3	12.3	10.5	11.7	11.4	11.5	11.4
Percent high school graduates	49.9	34.9	43.0	39.4	64.0	73.5	60.7	62.2	33.5	46.7	43.4	45.0	44.8
<b>CHILDREN EVER BORN</b>													
Women, 35 to 44 years old ever married	148	125	330	133	316	593	164	452	197	177	407	250	270
Children ever born	477	505	1 113	476	926	2 001	602	1 521	665	512	1 349	1 009	1 103
Per 1,000 women ever married	3 223	4 040	3 373	3 579	2 930	3 374	3 671	3 365	3 376	2 893	3 314	4 036	4 085
<b>RESIDENCE IN 1965</b>													
Persons, 5 years old and over, 1970 <sup>2</sup>	2 488	2 033	4 769	2 878	3 841	6 541	2 495	5 648	3 195	2 691	5 235	3 769	3 987
Same house as in 1970	1 559	1 359	3 137	1 953	1 803	3 749	1 433	3 461	2 108	1 787	3 257	2 409	2 548
Different house:													
In central city of this SMSA	300	298	771	268	1 276	1 304	361	935	492	349	1 025	178	374
In other part of this SMSA	261	190	294	308	299	585	183	456	231	199	478	733	603
Outside this SMSA	179	88	306	241	323	708	355	553	169	174	385	366	274
North and West	167	81	287	241	298	645	327	435	118	146	341	315	213
South	12	7	19	—	25	63	28	118	51	28	44	51	61
Abroad	—	—	26	6	6	—	28	27	6	35	—	—	17
<b>MEANS OF TRANSPORTATION AND PLACE OF WORK</b>													
All workers	903	702	2 052	1 099	1 685	2 742	1 061	2 261	1 161	1 025	1 979	1 431	1 471
Private auto: Driver	713	580	1 653	826	1 445	2 285	815	1 806	912	859	1 702	1 249	1 138
Passenger	110	75	269	161	171	294	111	278	166	123	164	117	143
Bus or streetcar	—	—	27	—	28	20	17	6	10	6	—	—	8
Subway, elevated train, or railroad	—	—	—	—	—	51	58	42	32	24	50	41	94
Walked to work	16	41	58	50	35	52	33	48	7	13	12	18	20
Worked at home	25	—	22	35	6	40	27	74	28	—	44	6	68
Other	39	6	23	27	—	—	—	—	—	—	—	—	—
Inside SMSA	781	628	1 897	934	1 603	2 623	865	2 009	989	845	1 690	987	1 148
Muskegon city	422	326	1 090	537	941	1 450	494	1 058	543	409	798	396	295
Muskegon Heights city	62	68	218	92	206	334	113	355	133	136	273	213	73
Remainder of Muskegon County	297	234	589	305	456	839	258	596	313	300	619	378	760
Outside SMSA	31	10	129	25	45	63	95	165	125	141	212	396	223
Place of work not reported	91	64	26	140	37	56	101	87	47	39	77	48	100

<sup>1</sup>See text for definition. <sup>2</sup>Includes "Moved, 1965 residence not reported."

Table P-2. Social Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.											Totals for split tracts	
	Tract 0030	Tract 0031	Tract 0032	Tract 0033	Tract 0034	Tract 0035	Tract 0036	Tract 0037	Tract 0038	Tract 0039	Tract 0040	Tract 0001	Tract 0004
<b>NATIVITY, PARENTAGE, &amp; COUNTRY OF ORIGIN</b>													
All persons	3 376	3 010	3 701	2 514	3 242	2 183	2 917	4 813	3 312	1 431	530	2 206	7 339
Native of native parentage	3 056	2 766	3 391	2 255	2 980	1 950	2 687	4 018	2 902	1 342	511	1 855	6 106
Native of foreign or mixed parentage	253	202	224	231	229	197	209	641	351	82	11	288	1 109
Foreign born	67	42	86	28	33	36	21	154	59	7	8	63	124
Foreign stock	320	244	310	259	262	233	230	795	410	89	19	351	1 233
United Kingdom	10	7	26	—	4	6	26	65	73	17	8	54	57
Ireland (Eire)	6	—	—	—	—	7	—	23	—	—	—	12	22
Sweden	21	4	6	14	28	31	42	195	26	7	—	9	132
Germany	26	16	39	25	41	64	29	120	52	20	—	28	97
Poland	17	41	45	27	31	12	13	—	58	—	—	27	40
Czechoslovakia	6	—	—	10	—	27	6	51	24	20	—	—	19
Austria	—	—	—	9	6	—	—	10	—	7	—	10	25
Hungary	—	6	13	—	4	—	—	—	—	—	—	—	—
U.S.S.R.	7	6	6	—	7	—	—	21	—	—	—	—	—
Italy	—	7	—	7	12	—	—	14	—	—	—	22	37
Canada	58	15	26	47	38	9	50	148	68	13	—	15	113
Mexico	35	65	107	6	21	—	—	7	—	—	—	45	—
Cuba	—	—	—	—	—	—	—	—	—	—	—	—	6
Other America	14	15	—	—	—	10	—	—	—	—	—	—	—
All other and not reported	120	62	42	114	70	67	54	151	109	5	11	129	685
Persons of Spanish language <sup>1</sup>	67	161	143	50	77	17	—	79	158	—	—	45	88
Other persons of Spanish surname <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—
Persons of Spanish mother tongue	67	128	99	14	40	13	—	14	115	—	—	34	73
Persons of Puerto Rican birth or parentage	—	—	—	—	—	—	—	—	8	—	—	—	21
<b>SCHOOL ENROLLMENT</b>													
Enrolled persons, 3 to 34 years old	1 143	1 175	1 225	762	1 035	630	1 160	1 455	1 060	616	135	587	2 204
Nursery school	—	12	7	8	—	—	5	5	16	—	—	21	21
Public	—	—	7	8	—	—	5	5	10	—	—	—	8
Kindergarten	65	62	117	36	38	47	68	114	37	21	8	51	162
Public	65	62	117	36	38	47	68	114	37	21	8	51	141
Elementary	731	762	827	460	727	368	741	908	697	423	127	308	1 214
Public	676	741	772	441	727	368	664	881	678	416	101	219	887
High school	293	265	245	218	232	154	264	369	288	142	—	127	627
Public	284	265	204	218	232	154	251	369	288	142	—	74	490
College	54	74	29	40	38	61	82	59	22	30	—	80	180
Percent enrolled in school by age:													
16 and 17 years	92.1	96.9	67.7	90.1	69.5	99.9	99.9	87.3	99.9	99.9	—	54.5	99.7
18 and 19 years	59.9	48.1	40.8	56.9	62.6	47.5	80.4	51.5	54.4	76.3	—	38.3	52.8
20 and 21 years	23.4	21.0	5.0	13.8	7.9	32.8	21.3	16.7	—	—	—	18.6	11.6
22 to 24 years	—	17.3	6.3	—	4.1	21.4	7.3	6.1	—	—	—	13.1	11.4
25 to 34 years	1.4	1.4	4.7	4.0	—	—	3.3	6.2	5.2	—	—	6.7	8.6
Percent 16 to 21 years not high school graduates and not enrolled in school	14.6	18.7	25.4	9.3	26.0	17.6	16.7	16.6	10.1	5.9	—	30.6	14.4
<b>YEARS OF SCHOOL COMPLETED</b>													
Persons, 25 years old and over	1 600	1 233	1 733	1 296	1 560	1 128	1 299	2 547	1 646	673	313	1 046	4 021
No school years completed	10	24	—	12	32	9	16	24	18	—	—	45	13
Elementary:													
1 to 4 years	43	16	62	10	10	22	46	26	24	6	12	58	70
5 to 7 years	72	115	139	141	110	142	130	181	37	52	45	101	313
8 years	360	250	270	293	265	190	196	362	235	99	75	136	749
High school:													
1 to 3 years	425	485	596	394	480	238	321	481	326	162	60	291	1 111
4 years	560	273	478	347	508	343	436	838	717	49	10	52	307
College:													
1 to 3 years	77	55	67	85	132	77	107	289	171	275	5	77	141
4 years or more	53	15	121	14	23	107	47	346	118	30	5	52	347
Median school years completed	11.2	10.3	11.0	10.5	11.3	11.5	11.4	12.2	12.3	12.1	10.2	10.9	11.3
Percent high school graduates	43.1	27.8	38.4	34.4	42.5	46.7	45.4	57.8	61.1	52.6	38.7	39.7	43.9
<b>CHILDREN EVER BORN</b>													
Women, 35 to 44 years old ever married	146	136	202	124	198	127	187	302	202	93	29	106	375
Children ever born	629	623	805	482	706	446	856	990	776	343	80	296	1 235
Per 1,000 women ever married	4 308	4 581	3 985	3 887	3 566	3 512	4 578	3 278	3 842	3 688	2 759	2 792	3 293
<b>RESIDENCE IN 1965</b>													
Persons, 5 years old and over, 1970 <sup>2</sup>	3 057	2 671	3 297	2 277	2 908	1 992	2 718	4 362	3 004	1 359	475	1 997	6 742
Some house as in 1970	1 869	1 588	1 661	1 368	1 585	1 162	1 518	1 829	2 031	841	276	974	4 444
Different house:													
In central city of this SMSA	173	250	569	135	655	228	169	331	29	53	51	290	1 254
In other part of this SMSA	637	466	546	391	372	171	605	847	393	322	55	151	259
Outside this SMSA	299	105	294	279	186	311	395	935	400	108	59	452	528
North and West	292	77	243	235	162	301	338	854	400	93	53	437	476
South	7	28	51	44	24	10	57	81	—	15	6	15	52
Abroad	20	—	82	26	7	—	—	41	—	7	—	17	14
<b>MEANS OF TRANSPORTATION AND PLACE OF WORK</b>													
All workers	1 055	893	1 256	835	1 037	758	910	1 688	1 167	477	116	765	2 752
Private auto:													
Driver	766	732	1 043	668	890	618	668	1 266	831	397	96	603	2 054
Passenger	90	107	150	92	107	99	171	143	160	45	6	87	450
Bus or streetcar	—	—	6	—	—	—	—	11	5	—	—	17	—
Subway, elevated train, or railroad	—	—	—	—	—	—	—	—	—	—	—	—	—
Walked to work	127	35	32	39	17	6	33	205	104	18	—	31	126
Worked at home	55	—	19	29	5	16	31	39	23	9	14	12	42
Other	17	19	6	7	18	19	7	24	44	8	—	15	80
Inside SMSA	695	779	1 074	648	958	661	771	1 518	1 051	429	90	706	2 572
Muskegon city	230	361	625	268	439	240	358	383	159	43	22	487	1 701
Muskegon Heights city	29	121	120	73	114	45	54	60	36	22	20	79	245
Remainder of Muskegon County	436	297	329	307	405	376	359	1 075	856	364	48	140	626
Outside SMSA	331	60	102	140	34	37	57	60	26	27	14	27	78
Place of work not reported	29	54	80	47	45	60	82	110	90	21	12	32	102

<sup>1</sup>See text for definition. <sup>2</sup>Includes "Moved, 1965 residence not reported."



Table P-3. Labor Force Characteristics of the Population: 1970

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

Census Tracts	Muskegon County				Muskegon								
	Total	Muskegon	Muskegon Heights	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006.01	Tract 0006.02	Tract 0007	Tract 0008
<b>EMPLOYMENT STATUS</b>													
Male, 16 years old and over	48 713	14 098	5 214	29 401	631	734	1 431	2 337	2 067	708	1 121	252	1 316
Labor force	38 041	10 534	3 712	23 795	425	507	995	1 819	1 576	510	788	109	1 028
Percent of total	78.1	74.7	71.2	80.9	67.4	69.1	69.5	77.8	76.2	72.0	70.3	43.3	78.1
Civilian labor force	37 977	10 514	3 700	23 763	420	507	995	1 819	1 568	503	788	109	1 028
Employed	35 644	9 851	3 433	22 360	412	457	907	1 724	1 478	458	708	91	950
Unemployed	2 333	663	267	1 403	8	50	88	95	90	45	80	18	78
Percent of civilian labor force	6.1	6.3	7.2	5.9	1.9	9.9	8.8	5.2	5.7	8.9	10.2	16.5	7.6
Not in labor force	10 672	3 564	1 502	5 606	206	227	436	518	491	198	333	143	288
Inmate of institution	371	219	19	133	95	-	15	13	-	-	19	68	-
Enrolled in school	3 047	756	374	1 917	26	63	91	111	105	66	42	-	43
Other under 65 years	2 742	810	462	1 470	32	84	118	136	96	13	107	32	46
Other 65 years and over	4 512	1 779	647	2 086	53	80	212	258	290	119	165	43	199
Male, 16 to 21 years old	7 780	2 308	892	4 580	122	150	285	379	315	126	128	43	183
Not enrolled in school	2 625	908	355	1 362	81	81	151	120	111	45	45	43	63
Not high school graduates	1 152	393	206	553	52	32	93	49	52	5	14	33	29
Unemployed or not in labor force	595	202	133	260	47	20	53	10	14	5	7	27	5
Female, 16 years old and over	54 114	16 932	6 067	31 115	700	827	1 810	2 662	2 673	941	1 461	87	1 742
Labor force	22 111	7 093	2 606	12 412	322	315	761	1 098	1 122	403	620	45	728
Percent of total	40.9	41.9	43.0	39.9	46.0	38.1	42.0	41.2	42.0	42.8	42.4	51.7	41.8
Civilian labor force	22 107	7 089	2 606	12 412	322	315	761	1 098	1 122	403	620	45	728
Employed	20 437	6 616	2 282	11 539	316	251	686	1 030	1 059	366	598	45	688
Unemployed	1 670	473	324	873	6	64	75	68	63	37	22	-	40
Percent of civilian labor force	7.6	6.7	12.4	7.0	1.9	20.3	9.9	6.2	5.6	9.2	3.5	-	5.5
Not in labor force	32 003	9 839	3 461	18 703	378	512	1 049	1 564	1 551	538	841	42	1 014
Married women, husband present	34 291	9 417	3 239	21 635	451	399	807	1 746	1 420	435	597	10	952
In labor force	13 363	3 744	1 332	8 287	219	175	329	654	552	133	264	10	385
With own children under 6 years	9 532	2 256	909	6 367	113	145	197	411	415	106	120	-	213
In labor force	2 778	722	360	1 696	55	73	69	146	109	17	45	-	77
<b>OCCUPATION</b>													
Total employed, 16 years old and over	56 081	16 467	5 715	33 899	728	708	1 593	2 754	2 537	824	1 306	136	1 638
Professional, technical, and kindred workers	6 878	1 974	464	4 440	95	27	140	256	281	154	99	11	233
Health workers	1 245	435	113	697	28	9	47	47	47	62	25	-	52
Teachers, elementary and secondary schools	1 946	512	152	1 282	40	-	23	50	89	20	28	-	64
Managers and administrators, except farm	3 597	893	133	2 571	55	6	71	174	93	63	70	6	74
Salaried	2 911	728	114	2 069	46	6	53	134	78	48	52	6	53
Self-employed in retail trade	380	89	11	280	-	-	7	20	9	4	9	-	16
Sales workers	3 244	982	235	2 027	37	5	81	195	170	61	47	4	125
Retail trade	2 093	686	158	1 249	28	5	69	125	111	25	41	-	104
Clerical and kindred workers	8 391	2 726	639	5 026	82	94	212	480	438	150	173	5	296
Craftsmen, foremen, and kindred workers	8 896	2 070	834	5 996	118	57	206	421	341	67	96	18	167
Construction craftsmen	1 387	298	103	986	20	17	19	71	43	-	5	-	35
Mechanics and repairmen	1 609	331	119	1 159	22	12	34	57	63	12	17	-	28
Operatives, except transport	12 907	3 871	1 761	7 275	197	251	402	603	625	143	396	52	362
Transport equipment operatives	1 820	450	190	1 180	5	3	44	132	68	13	18	11	26
Laborers, except farm	2 469	743	305	1 421	32	63	136	92	85	59	54	6	51
Farm workers	457	49	44	364	-	-	11	5	4	-	12	-	5
Service workers	6 775	2 490	972	3 313	101	169	275	353	410	109	305	17	292
Cleaning and food service workers	3 796	1 281	532	1 983	50	79	137	202	245	56	150	12	158
Protective service workers	504	238	57	209	-	5	8	33	52	11	18	5	24
Personal and health service workers	1 860	685	278	897	46	50	99	90	97	33	55	-	91
Private household workers	647	219	138	290	6	33	15	43	22	5	36	6	7
Female employed, 16 years old and over	20 437	6 616	2 282	11 539	316	251	686	1 030	1 059	366	598	45	688
Professional, technical, and kindred workers	2 893	851	254	1 788	60	9	63	93	121	88	61	5	113
Teachers, elementary and secondary schools	1 405	364	113	928	32	-	18	32	63	15	28	-	51
Managers and administrators, except farm	511	162	34	315	15	-	5	20	20	17	24	6	13
Sales workers	1 544	509	147	888	26	5	52	86	96	29	24	4	59
Clerical and kindred workers	6 412	2 124	525	3 763	74	83	183	335	374	124	151	-	205
Secretaries, stenographers, and typists	2 327	713	200	1 414	33	18	42	111	136	43	36	-	95
Operatives, including transport	3 375	998	488	1 889	60	14	136	191	148	37	91	12	77
Other blue-collar workers	674	196	57	421	12	5	20	20	41	4	12	-	39
Farm workers	79	28	16	35	-	-	11	-	-	-	12	-	-
Service workers, except private household	4 313	1 529	623	2 161	63	102	201	242	237	62	187	12	175
Private household workers	636	219	138	279	6	33	15	43	22	5	36	6	7
<b>INDUSTRY</b>													
Total employed, 16 years old and over	56 081	16 467	5 715	33 899	728	708	1 593	2 754	2 537	824	1 306	136	1 638
Construction	2 091	521	161	1 409	14	36	72	135	44	3	15	-	39
Manufacturing	24 890	6 979	2 752	15 159	334	344	692	1 107	1 071	288	617	70	677
Durable goods	21 092	5 916	2 481	12 695	254	289	651	917	935	259	577	58	557
Transportation	1 159	231	69	859	5	3	5	42	41	8	13	-	26
Communications, utilities, and sanitary services	1 476	431	85	960	-	32	37	58	79	37	32	5	36
Wholesale trade	1 610	530	118	962	13	6	62	151	71	41	25	10	38
Retail trade	8 493	2 621	805	5 067	111	79	268	523	430	89	214	16	335
Finance, insurance, and real estate	1 416	428	80	908	4	-	44	71	57	40	21	6	34
Business and repair services	1 027	322	106	599	50	11	16	30	57	16	12	5	14
Personal services	2 191	829	309	1 053	32	56	88	119	147	32	115	6	98
Health services	3 403	1 164	537	1 702	78	51	144	149	157	121	84	-	115
Educational services	3 890	1 096	277	2 517	59	46	70	139	166	54	57	6	96
Other professional and related services	1 747	622	209	916	14	36	52	101	109	45	32	6	70
Public administration	1 658	540	117	1 001	9	8	28	104	85	37	57	-	51
Other industries	1 030	153	90	787	5	-	15	25	23	13	12	6	10
<b>CLASS OF WORKER</b>													
Total employed, 16 years old and over	56 081	16 467	5 715	33 899	728	708	1 593	2 754	2 537	824	1 306	136	1 638
Private wage and salary workers	46 735	13 895	4 959	27 881	612	600	1 430	2 322	2 129	704	1 074	131	1 401
Government workers	6 248	1 807	586	3 855	89	94	113	293	295	73	171	-	150
Local government workers	4 370	1 285	427	2 658	62	53	56	214	188	58	130	-	111
Self-employed workers	2 945	734	155	2 056	23	14	50	128	113	42	61	5	83
Unpaid family workers	153	31	15	107	4	-	-	11	-	5	-	-	4

<sup>1</sup>Includes allocated cases, not shown separately.

Table P-3. Labor Force Characteristics of the Population: 1970—Continued

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

Census Tracts	Muskegon—Con.			Muskegon Heights					Balance of Muskegon County				
	Tract 0009	Tract 0010	Tract 0021	Tract 0011	Tract 0012	Tract 0013	Tract 0014.01	Tract 0014.02	Tract 0001	Tract 0004	Tract 0015	Tract 0016	Tract 0017
<b>EMPLOYMENT STATUS</b>													
Male, 16 years old and over	1 621	528	1 352	344	1 385	1 243	540	1 702	68	10	1 405	657	1 088
Labor force	1 281	432	1 064	206	1 016	849	379	1 262	61	10	1 134	505	928
Percent of total	79.0	81.8	78.7	59.9	73.4	68.3	70.2	74.1	89.7	...	80.7	76.9	85.3
Civilian labor force	1 281	432	1 064	206	1 010	849	379	1 256	61	10	1 130	505	928
Employed	1 216	426	1 024	187	943	775	364	1 164	61	10	1 098	485	873
Unemployed	65	6	40	19	67	74	15	92	—	—	32	20	55
Percent of civilian labor force	5.1	1.4	3.8	9.2	6.6	8.7	4.0	7.3	—	—	2.8	4.0	5.9
Not in labor force	340	96	288	138	369	394	161	440	7	—	271	152	160
Inmate of institution	—	—	9	—	8	11	—	—	—	—	21	—	—
Enrolled in school	105	19	85	25	99	133	22	95	—	—	91	45	97
Other under 65 years	60	24	62	65	101	140	53	103	—	—	55	36	26
Other 65 years and over	175	53	132	48	161	110	86	242	7	—	104	71	37
Male, 16 to 21 years old	279	54	244	77	227	263	93	232	16	—	172	90	200
Not enrolled in school	75	4	89	46	86	108	32	83	—	—	40	39	41
Not high school graduates	20	—	14	14	55	74	20	43	—	—	10	13	6
Unemployed or not in labor force	14	—	—	4	26	49	20	34	—	—	10	6	—
Female, 16 years old and over	1 806	593	1 630	347	1 685	1 462	630	1 943	54	11	1 599	653	1 152
Labor force	777	270	632	164	805	597	253	787	26	5	534	238	476
Percent of total	43.0	45.5	38.8	47.3	47.8	40.8	40.2	40.5	48.1	...	33.4	36.4	41.3
Civilian labor force	777	270	628	164	805	597	253	787	26	5	534	238	476
Employed	746	261	570	138	694	479	218	753	20	5	517	227	468
Unemployed	31	9	58	26	111	118	35	34	6	—	17	11	8
Percent of civilian labor force	4.0	3.3	9.2	15.9	13.8	19.8	13.8	4.3	23.1	—	3.2	4.6	1.7
Not in labor force	1 029	323	998	183	880	865	377	1 156	28	6	1 065	415	676
Married women, husband present	1 157	383	1 060	179	833	722	351	1 154	42	11	1 127	446	801
In labor force	452	193	378	78	434	332	128	360	20	5	352	145	343
With own children under 6 years	218	62	256	30	287	207	89	296	20	11	234	123	216
In labor force	57	15	59	25	171	58	40	66	10	5	50	33	74
<b>OCCUPATION</b>													
Total employed, 16 years old and over	1 962	687	1 594	325	1 637	1 254	582	1 917	81	15	1 615	712	1 341
Professional, technical, and kindred workers	258	204	216	12	153	53	53	193	—	—	459	96	233
Health workers	45	26	47	12	25	19	16	41	—	—	40	23	28
Teachers, elementary and secondary schools	67	84	47	—	72	—	16	64	—	—	107	35	65
Managers and administrators, except farm	95	84	102	6	47	5	9	66	—	—	195	39	124
Salaried	88	78	86	—	47	5	9	53	—	—	167	26	112
Self-employed in retail trade	7	6	11	6	—	—	—	5	—	—	5	6	12
Sales workers	104	41	112	33	36	19	23	124	5	—	167	42	77
Retail trade	64	32	82	33	31	12	12	70	5	—	73	14	61
Clerical and kindred workers	416	100	280	21	170	98	76	274	9	5	270	134	246
Craftsmen, foremen, and kindred workers	297	89	193	37	227	147	107	316	15	5	157	131	232
Construction craftsmen	35	26	27	—	16	25	14	48	—	5	23	17	36
Mechanics and repairmen	55	4	27	—	40	16	21	42	—	—	40	41	31
Operatives, except transport	392	94	354	111	580	431	172	467	26	5	195	140	193
Transport equipment operatives	47	27	56	4	44	37	26	79	4	—	26	35	33
Laborers, except farm	71	16	78	13	99	97	9	87	6	—	31	33	82
Farm workers	12	—	—	—	11	5	5	23	—	—	—	21	22
Service workers <sup>1</sup>	236	32	191	80	247	286	96	263	16	—	101	32	94
Cleaning and food service workers	112	11	69	51	117	139	57	168	11	—	48	14	46
Protective service workers	45	—	37	4	5	9	17	22	—	—	16	—	11
Personal and health service workers	46	15	63	25	96	85	22	50	5	—	31	18	33
Private household workers	34	—	12	8	23	76	6	25	—	—	14	9	5
Female employed, 16 years old and over	746	261	570	138	694	479	218	753	20	5	517	227	468
Professional, technical, and kindred workers	91	84	63	12	78	23	27	114	—	—	145	40	96
Teachers, elementary and secondary schools	41	50	34	—	49	—	11	53	—	—	83	23	37
Managers and administrators, except farm	17	14	11	—	20	5	4	5	—	—	17	—	6
Sales workers	42	26	60	33	21	16	5	72	5	—	47	18	47
Clerical and kindred workers	326	79	190	6	153	77	67	222	5	5	174	89	165
Secretaries, stenographers, and typists	118	24	57	—	61	11	17	111	—	5	93	32	59
Operatives, including transport	108	21	103	29	192	90	55	122	5	—	38	31	58
Other blue-collar workers	9	10	24	—	15	4	8	30	—	—	9	20	42
Farm workers	5	—	—	—	11	—	—	—	—	—	—	—	—
Service workers, except private household	114	27	107	50	181	183	46	163	5	—	73	26	49
Private household workers	34	—	12	8	23	76	6	25	—	—	14	9	5
<b>INDUSTRY</b>													
Total employed, 16 years old and over	1 962	687	1 594	325	1 637	1 254	582	1 917	81	15	1 615	712	1 341
Construction	64	31	68	—	44	25	14	78	—	—	74	12	65
Manufacturing	855	229	695	174	775	650	275	878	41	10	531	347	494
Durable goods	622	180	617	148	705	588	248	792	36	10	448	299	432
Transportation	35	24	30	4	18	4	—	43	4	—	30	34	20
Communications, utilities, and sanitary services	89	6	20	12	6	19	—	48	5	—	70	5	64
Wholesale trade	51	7	55	5	66	—	21	26	—	—	62	9	46
Retail trade	227	98	231	65	162	132	118	328	16	5	222	87	254
Finance, insurance, and real estate	71	29	51	—	18	5	32	25	—	—	56	9	42
Business and repair services	69	13	29	—	10	13	—	83	—	—	25	20	31
Personal services	87	16	33	13	99	114	6	77	5	—	125	38	25
Health services	94	41	130	48	192	177	38	82	—	—	67	47	67
Educational services	163	125	115	—	105	38	31	103	—	—	166	52	144
Other professional and related services	62	29	66	—	61	46	20	82	6	—	108	10	26
Public administration	79	25	57	4	29	21	22	41	4	—	62	21	27
Other industries	16	14	14	—	52	10	5	23	—	—	17	21	36
<b>CLASS OF WORKER</b>													
Total employed, 16 years old and over	1 962	687	1 594	325	1 637	1 254	582	1 917	81	15	1 615	712	1 341
Private wage and salary workers	1 628	496	1 368	280	1 414	1 091	479	1 695	61	5	1 210	546	1 052
Government workers	211	157	161	22	189	141	77	157	10	—	200	104	203
Local government workers	169	126	118	22	123	103	56	123	—	—	149	84	138
Self-employed workers	123	27	65	23	25	22	26	59	10	5	195	56	86
Unpaid family workers	—	7	—	—	9	—	—	6	—	5	10	6	—

<sup>1</sup>Includes allocated cases, not shown separately.

Table P-3. Labor Force Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.												
	Tract 0018	Tract 0019.01	Tract 0019.02	Tract 0020	Tract 0022	Tract 0023	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029
<b>EMPLOYMENT STATUS</b>													
Male, 16 years old and over	805	662	1 717	914	1 276	2 103	859	1 856	1 107	951	1 698	1 305	1 320
Labor force	621	528	1 419	760	1 059	1 846	706	1 529	878	756	1 443	1 067	1 085
Percent of total	77.1	79.8	82.6	83.2	83.0	87.8	82.2	82.4	79.3	79.5	85.0	81.8	82.2
Civilian labor force	621	528	1 419	760	1 059	1 846	706	1 526	878	745	1 443	1 067	1 085
Employed	557	501	1 341	696	1 004	1 813	695	1 454	823	694	1 376	1 003	981
Unemployed	64	27	78	64	55	33	11	72	55	51	67	64	104
Percent of civilian labor force	10.3	5.1	5.5	8.4	5.2	1.8	1.6	4.7	6.3	6.8	4.6	6.0	9.6
Not in labor force	184	134	298	154	217	257	153	327	229	195	255	238	235
Inmate of institution	26	—	50	—	8	—	—	—	—	—	—	—	—
Enrolled in school	68	54	76	26	72	172	51	110	46	66	85	102	103
Other under 65 years	39	40	65	71	36	37	34	66	101	57	58	39	62
Other 65 years and over	51	40	107	57	101	48	68	151	82	72	112	97	70
Male, 16 to 21 years old	115	110	256	113	141	363	158	259	125	172	236	216	234
Not enrolled in school	15	45	69	35	16	44	45	68	47	74	52	68	87
Not high school graduates	10	30	12	17	—	11	21	6	23	36	15	32	34
Unemployed or not in labor force	10	19	3	5	—	6	4	6	8	7	5	12	26
Female, 16 years old and over	851	709	1 863	939	1 555	2 226	950	2 014	1 216	967	1 811	1 335	1 346
Labor force	346	235	832	346	724	962	372	866	391	404	754	550	520
Percent of total	40.7	33.1	44.7	36.8	46.6	43.2	39.2	43.0	32.2	41.8	41.6	41.2	38.6
Civilian labor force	346	235	832	346	724	962	372	866	391	404	754	550	520
Employed	341	210	769	311	679	902	351	809	358	363	699	504	464
Unemployed	5	25	63	35	45	60	21	57	33	41	55	46	56
Percent of civilian labor force	1.4	10.6	7.6	10.1	6.2	6.2	5.6	6.6	8.4	10.1	7.3	8.4	10.8
Not in labor force	505	474	1 031	593	831	1 264	578	1 148	825	563	1 057	785	826
Married women, husband present	599	490	1 220	688	1 003	1 575	659	1 489	861	686	1 301	903	896
In labor force	227	156	536	237	476	599	217	635	261	286	550	385	314
With own children under 6 years	176	193	349	210	240	462	152	308	282	197	391	238	323
In labor force	57	34	99	57	61	143	29	105	56	67	94	73	76
<b>OCCUPATION</b>													
Total employed, 16 years old and over	898	711	2 110	1 007	1 683	2 715	1 046	2 263	1 181	1 057	2 075	1 507	1 445
Professional, technical, and kindred workers	158	82	253	92	352	554	170	352	55	114	155	141	104
Health workers	29	14	42	22	69	92	21	93	16	27	9	25	13
Teachers, elementary and secondary schools	39	20	76	9	72	103	36	91	13	32	61	40	47
Managers and administrators, except farm	52	42	134	38	189	366	120	308	35	43	98	67	77
Salaried	43	35	120	16	137	331	110	245	19	38	83	62	65
Self-employed in retail trade	9	—	10	11	37	10	—	21	16	5	15	—	—
Sales workers	61	33	136	64	162	252	83	109	40	31	160	110	79
Retail trade	32	33	94	53	67	119	52	52	31	26	146	72	43
Clerical and kindred workers	111	80	365	111	347	458	182	473	114	167	264	229	167
Craftsmen, farenen, and kindred workers	141	139	344	236	203	309	142	375	259	265	478	317	305
Construction craftsmen	13	27	45	36	29	26	16	70	50	32	85	51	47
Mechanics and repairmen	19	31	66	51	29	71	22	33	44	38	97	91	64
Operatives, except transport	174	179	433	230	202	429	157	334	389	256	469	382	391
Transport equipment operatives	14	60	77	35	48	45	35	63	52	43	93	69	66
Laborers, except farm	45	20	109	62	46	92	21	55	78	29	89	49	72
Farm workers	10	5	—	—	—	—	14	5	9	10	16	13	46
Service workers <sup>1</sup>	128	47	229	134	119	200	114	174	139	90	234	126	123
Cleaning and food service workers	92	26	149	52	68	111	37	113	88	70	148	61	88
Protective service workers	25	4	11	7	9	5	5	10	13	5	25	18	10
Personal and health service workers	8	17	63	47	42	70	55	42	38	10	48	47	25
Private household workers	4	24	30	5	15	10	8	15	11	9	19	4	15
Female employed, 16 years old and over	341	210	769	311	679	902	351	809	358	363	699	504	464
Professional, technical, and kindred workers	83	28	109	43	145	195	45	133	25	47	76	70	56
Teachers, elementary and secondary schools	25	15	55	5	55	96	29	53	13	17	56	36	31
Managers and administrators, except farm	—	7	24	4	18	36	13	33	14	11	6	9	15
Sales workers	28	19	83	48	57	87	24	34	19	17	80	51	17
Clerical and kindred workers	81	70	283	75	287	348	135	368	80	136	224	178	157
Secretaries, stenographers, and typists	29	14	102	40	99	161	44	133	22	57	100	77	39
Operatives, including transport	53	37	68	70	44	90	37	68	118	73	106	96	96
Other blue-collar workers	3	5	27	—	17	18	12	25	9	11	27	13	34
Farm workers	4	—	—	—	—	—	—	—	5	5	8	—	—
Service workers, except private household	85	25	145	66	96	118	73	133	77	54	153	83	74
Private household workers	4	19	30	5	15	10	8	15	11	9	19	4	15
<b>INDUSTRY</b>													
Total employed, 16 years old and over	898	711	2 110	1 007	1 683	2 715	1 046	2 263	1 181	1 057	2 075	1 507	1 445
Construction	26	21	44	59	43	80	36	108	78	52	94	68	82
Manufacturing	331	344	863	517	661	1 164	388	953	639	481	896	760	722
Durable goods	294	271	802	481	499	960	312	875	565	425	809	653	587
Transportation	17	28	58	4	25	57	35	55	22	54	50	68	57
Communications, utilities, and sanitary services	55	7	62	5	78	101	25	100	19	31	93	33	21
Wholesale trade	44	29	51	18	79	88	15	45	20	27	70	52	37
Retail trade	129	125	453	143	254	363	185	295	174	118	429	163	175
Finance, insurance, and real estate	41	10	63	16	86	120	50	75	5	34	35	34	36
Business and repair services	15	10	48	49	9	48	13	43	15	44	34	35	20
Personal services	21	32	53	18	73	50	41	44	53	32	47	32	43
Health services	60	42	92	72	132	205	76	161	52	46	64	52	33
Educational services	56	39	173	20	143	210	66	175	47	78	134	88	88
Other professional and related services	43	11	52	31	42	90	37	107	5	5	43	24	27
Public administration	45	8	78	37	58	90	47	64	28	20	40	62	39
Other industries	15	5	20	18	—	49	32	38	24	35	46	36	65
<b>CLASS OF WORKER</b>													
Total employed, 16 years old and over	898	711	2 110	1 007	1 683	2 715	1 046	2 263	1 181	1 057	2 075	1 507	1 445
Private wage and salary workers	719	635	1 778	871	1 344	2 280	826	1 840	1 030	894	1 794	1 288	1 241
Government workers	143	59	285	83	200	268	138	265	108	124	166	152	130
Local government workers	99	50	176	51	159	213	82	174	75	97	123	92	89
Self-employed workers	36	17	47	53	127	158	82	149	43	39	108	67	74
Unpaid family workers	—	—	—	—	12	9	—	9	—	—	7	—	—

<sup>1</sup>Includes allocated cases, not shown separately.

Table P-3. Labor Force Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.										Totals for split tracts		
	Tract 0030	Tract 0031	Tract 0032	Tract 0033	Tract 0034	Tract 0035	Tract 0036	Tract 0037	Tract 0038	Tract 0039	Tract 0040	Tract 0001	Tract 0004
<b>EMPLOYMENT STATUS</b>													
Male, 16 years old and over	1 041	882	1 121	878	1 012	727	817	1 526	985	425	186	699	2 347
Labor force	816	682	916	637	797	548	620	1 206	784	335	119	486	1 829
Percent of total	78.4	77.3	81.7	72.6	78.8	75.4	75.9	79.0	79.6	78.8	64.0	69.5	77.9
Civilian labor force	816	682	911	632	797	548	620	1 202	784	335	119	481	1 829
Employed	714	622	844	567	753	525	555	1 138	758	316	103	473	1 734
Unemployed	102	60	67	65	44	23	65	64	26	19	16	8	95
Percent of civilian labor force	12.5	8.8	7.4	10.3	5.5	4.2	10.5	5.3	3.3	5.7	13.4	1.7	5.2
Not in labor force	225	200	205	241	215	179	197	320	201	90	67	213	518
Inmate of institution	—	—	—	—	—	—	—	—	—	—	—	—	—
Enrolled in school	113	81	45	92	57	41	68	71	58	19	8	26	111
Other under 65 years	43	56	71	87	95	54	79	70	54	11	28	32	136
Other 65 years and over	69	63	89	62	63	73	50	162	89	60	31	60	258
Female, 16 to 21 years old	186	176	219	173	165	99	130	225	139	84	8	138	379
Not enrolled in school	50	65	116	45	75	33	38	84	55	16	—	81	120
Not high school graduates	24	28	61	14	42	15	29	48	16	—	—	52	49
Unemployed or not in labor force	12	19	31	—	17	7	8	29	10	—	—	47	10
Female, 16 years old and over	993	840	1 215	870	1 001	701	860	1 633	1 126	451	174	754	2 673
Labor force	350	306	566	321	381	264	337	636	428	194	48	348	1 103
Percent of total	35.2	36.4	46.6	36.9	38.1	37.7	39.2	38.9	38.0	43.0	27.6	46.2	41.3
Civilian labor force	350	306	566	321	381	264	337	636	428	194	48	348	1 103
Employed	324	251	513	307	345	245	319	614	408	174	42	336	1 035
Unemployed	26	55	53	14	36	19	18	22	20	20	6	12	68
Percent of civilian labor force	7.4	18.0	9.4	4.4	9.4	7.2	5.3	3.5	4.7	10.3	12.5	3.4	6.2
Not in labor force	643	534	649	549	620	437	523	997	698	257	126	406	1 570
Married women, husband present	703	549	771	642	716	534	615	1 107	753	303	145	493	1 757
In labor force	256	178	305	257	282	209	260	436	232	91	37	239	659
With own children under 6 years	240	256	287	216	216	191	160	321	229	88	38	133	422
In labor force	39	47	73	85	59	88	35	80	62	5	—	65	151
<b>OCCUPATION</b>													
Total employed, 16 years old and over	1 038	873	1 357	874	1 098	770	874	1 752	1 166	490	145	809	2 769
Professional, technical, and kindred workers	57	47	155	26	46	117	41	346	167	45	23	95	256
Health workers	—	6	9	—	23	32	5	36	17	6	—	28	47
Teachers, elementary and secondary schools	37	10	99	15	7	58	25	120	44	21	—	40	50
Managers and administrators, except farm	67	13	31	39	117	31	84	170	82	—	10	55	174
Salaried	35	13	27	33	69	25	49	140	69	—	—	46	134
Self-employed in retail trade	15	—	4	6	39	6	30	14	9	—	—	—	20
Sales workers	24	26	24	42	40	21	46	127	51	15	—	42	195
Retail trade	24	16	19	25	31	15	29	68	39	10	—	33	125
Clerical and kindred workers	89	79	102	137	149	117	116	273	134	67	31	91	485
Craftsmen, foremen, and kindred workers	187	151	231	156	218	164	184	243	246	131	28	133	426
Construction craftsmen	36	38	46	24	31	25	40	50	28	45	15	20	76
Mechanics and repairmen	48	39	48	24	32	18	10	66	56	22	8	22	57
Operatives, except transport	344	344	367	237	275	208	178	335	285	90	28	223	608
Transport equipment operatives	48	59	69	26	59	14	45	40	22	—	—	9	132
Laborers, except farm	53	58	81	58	55	24	61	48	36	23	5	38	92
Farm workers	94	—	9	27	13	—	6	—	10	34	—	—	5
Service workers <sup>1</sup>	68	96	280	114	121	63	102	161	114	74	20	117	353
Cleaning and food service workers	54	58	186	43	79	45	60	95	80	51	10	61	202
Protective service workers	5	—	13	—	4	9	—	4	—	—	—	—	33
Personal and health service workers	9	22	41	64	28	9	32	52	19	17	5	51	90
Private household workers	7	—	8	12	5	11	11	9	19	11	—	6	43
Female employed, 16 years old and over	324	251	513	307	345	245	319	614	408	174	42	336	1 035
Professional, technical, and kindred workers	35	10	103	15	30	49	21	92	72	15	6	60	93
Teachers, elementary and secondary schools	26	4	97	15	3	29	16	64	34	15	—	32	32
Managers and administrators, except farm	15	3	4	—	12	6	15	24	18	—	—	15	20
Sales workers	24	10	15	19	32	12	11	41	38	5	—	31	86
Clerical and kindred workers	73	55	51	89	108	68	99	202	92	45	21	79	340
Secretaries, stenographers, and typists	11	26	28	53	41	18	29	53	23	20	6	33	116
Operatives, including transport	123	94	99	63	71	64	57	107	77	46	—	65	191
Other blue-collar workers	4	5	29	21	18	18	17	8	12	17	—	12	20
Farm workers	—	—	9	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	43	74	191	88	69	17	88	131	80	35	10	68	242
Private household workers	7	—	8	12	5	11	11	9	19	11	—	6	43
<b>INDUSTRY</b>													
Total employed, 16 years old and over	1 038	873	1 357	874	1 098	770	874	1 752	1 166	490	145	809	2 769
Construction	62	33	58	26	38	36	49	82	32	36	15	14	135
Manufacturing	438	523	622	404	611	339	433	707	653	215	72	375	1 117
Durable goods	329	466	567	349	505	294	349	494	384	139	61	290	927
Transportation	32	33	46	20	28	10	19	32	21	—	—	9	42
Communications, utilities, and sanitary services	27	5	30	22	16	20	7	43	11	5	—	5	58
Wholesale trade	51	15	24	30	23	18	33	55	21	—	—	13	151
Retail trade	146	123	142	105	176	97	130	316	160	69	13	127	528
Finance, insurance, and real estate	20	10	5	20	24	15	25	48	23	—	6	4	71
Business and repair services	10	6	29	29	10	—	10	12	17	—	—	50	30
Personal services	12	9	41	28	21	22	32	77	23	31	25	37	119
Health services	9	36	63	63	37	38	33	96	36	23	—	78	149
Educational services	57	32	223	50	49	88	49	182	54	54	—	59	139
Other professional and related services	10	26	31	30	15	20	7	59	45	—	6	20	101
Public administration	35	12	24	10	25	53	35	32	37	—	8	13	104
Other industries	129	10	19	37	25	14	12	11	33	40	—	5	25
<b>CLASS OF WORKER</b>													
Total employed, 16 years old and over	1 038	873	1 357	874	1 098	770	874	1 752	1 166	490	145	809	2 769
Private wage and salary workers	797	754	1 115	721	932	610	710	1 352	970	395	111	673	2 327
Government workers	92	73	188	93	92	134	113	235	135	54	8	99	293
Local government workers	56	45	135	39	53	75	71	188	91	54	—	62	214
Self-employed workers	144	40	44	53	74	26	51	154	51	41	26	33	133
Unpaid family workers	5	6	10	7	—	—	—	11	10	—	—	4	16

<sup>1</sup>Includes allocated cases, not shown separately.

**Table P-4. Income Characteristics of the Population: 1970**

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

Census Tracts	Muskegon County				Muskegon								
	Total	Muskegon	Muskegon Heights	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006.01	Tract 0006.02	Tract 0007	Tract 0008
<b>INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS</b>													
All families	39 260	11 070	4 287	23 903	450	502	1 102	1 930	1 706	510	798	14	1 142
Less than \$1,000	705	237	142	326	—	44	27	26	48	5	28	—	26
\$1,000 to \$1,999	868	297	179	392	—	55	51	25	44	5	24	—	36
\$2,000 to \$2,999	1 468	519	258	691	9	51	52	78	116	14	41	—	43
\$3,000 to \$3,999	1 633	642	265	726	27	51	104	79	101	43	50	—	51
\$4,000 to \$4,999	1 650	567	263	820	5	20	65	104	69	29	74	4	64
\$5,000 to \$5,999	1 861	627	301	933	13	18	63	84	142	35	83	—	87
\$6,000 to \$6,999	2 392	724	293	1 375	40	33	91	108	72	53	55	—	83
\$7,000 to \$7,999	3 035	862	380	1 793	27	36	99	180	133	57	52	5	97
\$8,000 to \$8,999	3 447	960	355	2 132	50	21	128	190	142	45	54	—	99
\$9,000 to \$9,999	3 398	909	376	2 113	38	29	83	159	196	20	37	—	116
\$10,000 to \$11,999	6 054	1 468	570	4 016	85	60	140	272	240	23	94	—	127
\$12,000 to \$14,999	6 027	1 690	521	3 816	104	42	117	375	244	71	96	5	184
\$15,000 to \$24,999	5 629	1 321	346	3 816	47	42	63	225	139	87	101	—	104
\$25,000 to \$49,999	889	171	28	690	—	—	19	25	—	9	5	—	20
\$50,000 or more	204	76	10	118	5	—	—	—	11	14	4	—	5
Median income	\$9 757	\$9 110	\$8 176	\$10 324	\$10 376	\$6 364	\$7 990	\$9 572	\$8 901	\$8 311	\$7 846	...	\$8 848
Mean income	\$10 628	\$9 963	\$8 608	\$11 298	\$10 651	\$7 077	\$8 308	\$9 967	\$9 159	\$11 666	\$8 813	...	\$9 640
Families and unrelated individuals	49 161	15 758	5 655	27 748	564	817	1 608	2 287	2 629	902	1 532	256	1 529
Median income	\$8 592	\$7 332	\$6 759	\$9 557	\$9 229	\$4 153	\$6 274	\$8 690	\$6 387	\$5 812	\$5 103	\$2 888	\$7 708
Mean income	\$9 256	\$8 140	\$7 266	\$10 296	\$9 095	\$6 123	\$6 812	\$8 973	\$7 271	\$8 186	\$6 317	...	\$8 316
Unrelated individuals	9 901	4 688	1 368	3 845	114	315	506	357	923	392	734	242	387
Median income	\$2 696	\$2 737	\$1 981	\$2 895	\$1 611	\$3 399	\$2 054	\$2 678	\$2 631	\$2 608	\$2 570	\$2 800	\$2 813
Mean income	\$3 817	\$3 837	\$3 061	\$4 062	\$2 954	\$4 603	\$3 553	\$3 597	\$3 781	\$3 659	\$3 604	\$3 654	\$4 411
<b>TYPE OF INCOME IN 1969 OF FAMILIES</b>													
All families	39 260	11 070	4 287	23 903	450	502	1 102	1 930	1 706	510	798	14	1 142
With wage or salary income	34 307	9 370	3 613	21 324	401	401	916	1 671	1 413	432	656	9	949
Mean wage or salary income	\$10 194	\$9 568	\$8 695	\$10 722	\$10 556	\$7 609	\$8 121	\$9 748	\$9 025	\$10 008	\$8 877	...	\$9 201
With nonfarm self-employment income	3 388	711	226	2 451	19	7	45	146	107	49	42	5	70
Mean nonfarm self-employment income	\$7 505	\$8 799	\$3 032	\$7 543	...	...	\$7 197	\$7 178	\$3 848	\$10 017	\$5 377	...	\$11 258
With farm self-employment income	665	52	20	593	—	—	—	25	9	—	5	—	—
Mean farm self-employment income	\$1 891	\$4 617	...	\$1 696	...	...	...	\$5 970	...	...	...	...	...
With Social Security income	7 562	2 641	1 050	3 871	96	122	309	442	418	167	211	9	301
Mean Social Security income	\$1 805	\$1 866	\$1 712	\$1 788	\$1 798	\$1 358	\$1 789	\$1 774	\$1 944	\$1 783	\$2 073	...	\$2 038
With public assistance or public welfare income	2 232	781	508	943	4	83	153	99	151	33	108	—	48
Mean public assistance or public welfare income	\$1 388	\$1 453	\$1 443	\$1 305	...	\$1 352	\$2 179	\$1 111	\$1 558	\$1 056	\$1 178	...	\$1 605
With other income	14 737	4 248	1 235	9 254	184	149	362	706	610	218	306	14	472
Mean other income	\$1 636	\$1 900	\$1 830	\$1 489	\$1 283	\$1 469	\$1 399	\$1 214	\$2 255	\$3 683	\$1 356	...	\$1 692
<b>RATIO OF FAMILY INCOME TO POVERTY LEVEL<sup>1</sup></b>													
Percent of families with incomes:													
Less than .50 of poverty level	2.8	3.0	5.9	2.2	—	11.2	3.9	1.7	3.8	1.0	4.4	—	3.8
.50 to .74	2.1	2.6	4.2	1.5	—	14.1	4.0	1.5	2.7	1.4	2.8	—	2.5
.75 to .99	2.9	3.7	5.1	2.2	0.9	13.3	6.8	2.3	3.9	5.9	3.9	—	2.2
1.00 to 1.24	3.3	4.0	4.5	2.7	3.6	7.8	3.8	3.9	5.0	2.7	2.8	—	3.6
1.25 to 1.49	4.5	4.6	6.5	4.0	—	1.6	7.4	3.7	6.9	3.7	7.1	—	2.6
1.50 to 1.99	12.6	12.5	14.2	12.3	8.0	11.4	16.6	11.6	11.3	10.8	19.4	—	15.3
2.00 to 2.99	27.6	26.6	28.5	28.0	27.6	13.3	27.0	29.0	26.4	31.6	26.1	...	28.8
3.00 or more	44.2	43.1	31.1	47.1	60.0	27.3	30.4	46.4	40.0	42.9	33.6	...	41.2
<b>INCOME BELOW POVERTY LEVEL<sup>1</sup></b>													
Families	3 077	1 024	652	1 401	4	194	162	106	177	42	88	—	96
Percent of all families	7.8	9.3	15.2	5.9	0.9	38.6	14.7	5.5	10.4	8.2	11.0	—	8.4
Mean family income	\$2 011	\$2 015	\$2 071	\$1 981	...	\$2 154	\$2 318	\$1 806	\$1 866	\$2 982	\$1 776	...	\$1 788
Mean income deficit	\$1 515	\$1 438	\$1 589	\$1 537	...	\$1 753	\$1 318	\$1 352	\$1 531	\$1 038	\$1 330	...	\$1 629
Percent receiving public assistance income	33.4	39.2	44.2	24.3	—	32.5	39.5	52.8	50.3	28.6	68.2	—	30.2
Mean size of family	3.86	3.70	4.11	3.85	...	4.45	3.85	3.29	3.66	5.07	3.15	—	3.61
With related children under 18 years	2 192	729	481	982	—	161	117	65	133	27	64	—	61
Mean number of related children under 18 years	2.96	2.83	3.35	2.86	—	3.29	2.78	2.60	2.86	4.78	2.06	—	3.07
With related children under 6 years	1 304	475	346	483	—	105	88	31	80	27	31	—	43
Mean number of related children under 6 years	1.56	1.57	1.73	1.44	—	1.95	1.44	1.23	1.25	1.89	1.87	—	1.88
Families with female head	1 432	600	348	484	—	105	104	67	131	17	50	—	49
With related children under 18 years	1 264	500	322	442	—	87	93	47	115	7	45	—	39
Mean number of related children under 18 years	2.95	2.66	3.43	2.91	—	2.87	2.89	2.06	2.90	...	2.40	—	3.10
With related children under 6 years	735	325	229	181	—	46	79	26	72	7	17	—	29
Percent in labor force	39.2	38.2	37.6	43.1	—	15.2	54.4	38.5	48.6	...	...	—	10.3
Mean number of related children under 6 years	1.55	1.48	1.72	1.47	—	1.52	1.49	1.27	1.28	...	...	—	1.97
Family heads	3 077	1 024	652	1 401	4	194	162	106	177	42	88	—	96
Percent 65 years and over	18.1	17.9	18.4	18.1	...	11.3	19.8	18.9	10.2	23.8	10.2	—	26.0
Civilian male heads under 65 years	1 178	295	196	687	—	74	37	28	40	20	29	—	22
Percent in labor force	71.7	75.3	59.2	73.8	—	58.1	73.0	78.6	57.5	...	100.0	—	...
Unrelated individuals	3 742	1 702	650	1 390	64	77	244	129	331	161	276	57	150
Percent of all unrelated individuals	38.0	36.8	47.5	36.2	56.1	24.4	48.2	36.1	38.5	41.1	37.6	23.6	38.8
Mean income	\$929	\$1 041	\$844	\$831	\$765	\$955	\$1 025	\$1 135	\$1 066	\$1 080	\$1 025	\$946	\$940
Mean income deficit	\$870	\$759	\$966	\$961	\$1 097	\$829	\$783	\$661	\$722	\$720	\$790	\$918	\$832
Percent receiving public assistance income	10.6	10.8	10.3	10.4	—	—	9.0	16.3	18.1	16.8	11.6	21.1	—
Percent 65 years and over	57.1	63.7	49.5	52.4	37.5	75.3	62.7	65.1	65.9	62.7	54.7	38.6	82.0
Persons	15 613	5 493	3 332	6 788	72	941	867	478	978	374	553	57	497
Percent of all persons	10.0	12.5	19.4	7.2	4.2	37.8	17.9	6.6	14.4	16.9	15.8	21.0	11.9
Percent receiving Social Security income	21.6	27.4	17.1	19.2	77.8	13.7	22.7	30.3	28.4	27.5	32.4	38.6	33.2
Percent 65 years and over	19.7	25.6	15.7	16.9	43.1	10.6	23.8	27.0	24.5	31.0	30.9	38.6	34.2
Percent receiving Social Security income	81.7	86.6	78.8	77.1	77.4	96.0	84.0	88.4	88.8	84.5	82.5	...	86.5
Related children under 18 years	6 529	2 074	1 601	2 854	—	460	388	155	377	134	156	—	186
Percent living with both parents	38.8	31.1	27.7	50.7	—	54.6	16.8	27.1	5.0	79.9	17.9	—	27.4
Households	5 094	2 191	1 023	1 880	46	253	322	208	396	131	277	34	199
Percent of all households	12.2	15.9	20.6	8.2	9.1	38.7	23.0	9.6	17.7	18.1	22.2	17.3	14.6
Owner occupied	2 951	1 038	503	1 410	42	113	146	154	201	46	52	—	104
Mean value of unit	\$10 400	\$9 800	\$8 000	\$11 700	\$9 200	\$8 700	\$8 800	\$9 300	\$9 400	\$14 100	\$10 200	...	\$9 800
Renter occupied	2 143	1 153	520	470	4	140	176	54	195	85	225	34	95
Mean gross rent	\$84	\$84	\$79	\$90	...	\$91	\$83	\$89	\$85	\$79	\$79	\$69	\$99</

Table P-4. Income Characteristics of the Population: 1970—Continued

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

Census Tracts	Muskegon—Con.			Muskegon Heights					Balance of Muskegon County				
	Tract 0009	Tract 0010	Tract 0021	Tract 0011	Tract 0012	Tract 0013	Tract 0014.01	Tract 0014.02	Tract 0001	Tract 0004	Tract 0015	Tract 0016	Tract 0017
<b>INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS</b>													
All families	1 357	435	1 124	238	1 182	1 034	419	1 414	40	10	1 195	513	902
Less than \$1,000	6	11	16	16	54	47	6	19	—	5	15	—	13
\$1,000 to \$1,999	23	5	29	8	57	69	13	32	—	—	8	—	11
\$2,000 to \$2,999	45	18	52	19	72	94	5	68	—	—	17	10	13
\$3,000 to \$3,999	86	7	43	16	48	81	27	93	—	—	16	13	13
\$4,000 to \$4,999	65	12	56	16	95	66	20	66	—	—	43	28	13
\$5,000 to \$5,999	12	18	72	12	68	98	36	87	—	—	36	27	26
\$6,000 to \$6,999	104	19	66	21	71	71	28	102	—	5	39	23	52
\$7,000 to \$7,999	65	20	91	10	122	73	54	121	4	—	36	45	62
\$8,000 to \$8,999	76	40	115	21	64	94	28	148	—	—	30	40	58
\$9,000 to \$9,999	98	31	102	24	103	63	39	147	5	—	103	28	100
\$10,000 to \$11,999	212	44	171	19	138	88	45	280	15	—	183	121	147
\$12,000 to \$14,999	252	48	152	36	169	91	66	159	11	—	189	88	161
\$15,000 to \$24,999	267	134	112	20	103	95	42	86	5	—	305	86	215
\$25,000 to \$49,999	31	16	37	—	18	4	6	—	—	—	148	4	15
\$50,000 or more	15	12	10	—	—	—	4	6	—	—	27	—	5
Median income	\$10 929	\$11 659	\$9 216	\$8 048	\$8 063	\$6 873	\$8 732	\$8 804	\$11 467	...	\$13 135	\$10 702	\$11 252
Mean income	\$11 641	\$13 712	\$10 723	\$7 932	\$8 645	\$7 545	\$10 041	\$9 043	\$11 875	...	\$16 273	\$10 965	\$12 358
Families and unrelated individuals	1 652	565	1 417	300	1 595	1 282	612	1 866	52	10	1 422	601	985
Median income	\$9 661	\$9 371	\$8 225	\$6 381	\$6 555	\$5 657	\$6 872	\$7 559	\$10 667	...	\$11 694	\$10 025	\$10 887
Mean income	\$10 272	\$11 641	\$9 336	\$6 753	\$7 233	\$6 528	\$7 831	\$7 699	\$10 546	...	\$14 395	\$9 839	\$11 548
Unrelated individuals	295	130	293	62	413	248	193	452	12	—	227	88	83
Median income	\$3 442	\$3 438	\$3 411	\$1 294	\$1 976	\$1 491	\$1 991	\$2 679	...	—	\$3 926	\$2 273	\$1 681
Mean income	\$3 972	\$4 711	\$4 015	\$2 225	\$3 190	\$2 290	\$3 035	\$3 492	...	—	\$4 509	\$3 273	\$2 747
<b>TYPE OF INCOME IN 1969 OF FAMILIES</b>													
All families	1 357	435	1 124	238	1 182	1 034	419	1 414	40	10	1 195	513	902
With wage or salary income	1 201	374	947	195	1 011	837	374	1 196	40	5	1 020	459	826
Mean wage or salary income	\$10 774	\$13 245	\$9 557	\$9 193	\$8 794	\$8 089	\$8 927	\$8 882	\$10 919	...	\$14 093	\$10 150	\$11 576
With nonfarm self-employment income	105	49	67	21	60	39	31	75	9	—	193	70	102
Mean nonfarm self-employment income	\$9 320	\$12 783	\$17 722	...	\$4 612	\$1 550	\$5 189	\$3 627	...	—	\$13 576	\$5 358	\$6 525
With farm self-employment income	13	—	—	—	—	6	—	9	—	—	11	9	24
Mean farm self-employment income	...	...	...	...	...	...	...	...	...	...	...	...	...
With Social Security income	270	87	209	64	289	221	100	376	5	—	189	113	97
Mean Social Security income	\$1 932	\$1 868	\$1 861	\$1 550	\$1 555	\$1 728	\$2 190	\$1 724	...	—	\$1 612	\$1 959	\$1 694
With public assistance or public welfare income	43	5	54	34	153	242	35	44	—	—	9	13	20
Mean public assistance or public welfare income	\$848	...	\$1 247	\$951	\$1 765	\$1 539	\$904	\$606	...	...	...	...	...
With other income	590	202	435	43	326	158	148	560	10	—	662	221	393
Mean other income	\$2 155	\$1 100	\$3 121	\$1 127	\$1 018	\$1 291	\$3 051	\$2 185	...	—	\$3 233	\$1 321	\$1 767
<b>RATIO OF FAMILY INCOME TO POVERTY LEVEL<sup>1</sup></b>													
Percent of families with incomes:													
Less than .50 of poverty level	1.0	2.5	2.6	13.0	7.9	9.1	2.1	1.8	—	...	1.5	—	2.3
.50 to .74	1.2	1.1	1.4	2.5	4.8	8.9	1.2	1.4	—	...	0.4	1.9	1.1
.75 to .99	2.9	—	2.2	4.2	6.0	8.1	1.2	3.5	—	...	1.8	—	0.6
1.00 to 1.24	3.0	4.1	4.6	2.5	2.7	7.2	2.6	5.1	—	...	—	2.9	1.6
1.25 to 1.49	2.9	6.0	4.8	4.6	4.4	8.7	2.1	8.3	—	...	2.1	3.3	2.4
1.50 to 1.99	10.4	3.7	13.5	12.2	14.6	15.4	22.2	11.0	22.5	...	4.6	7.8	12.7
2.00 to 2.99	26.7	21.8	25.0	32.8	29.9	20.4	33.9	30.8	27.5	...	19.5	39.6	23.3
3.00 or more	52.0	60.7	45.8	28.2	29.8	22.2	34.6	38.1	50.0	...	70.0	44.4	56.0
<b>INCOME BELOW POVERTY LEVEL<sup>1</sup></b>													
Families	69	16	70	47	221	270	19	95	—	5	45	10	36
Percent of all families	5.1	3.7	6.2	19.7	18.7	26.1	4.5	6.7	—	...	3.8	1.9	4.0
Mean family income	\$2 370	...	\$1 637	\$1 364	\$2 108	\$2 289	...	\$1 888	...	...	\$1 656	...	\$806
Mean income deficit	\$996	...	\$1 163	\$2 437	\$1 750	\$1 429	...	\$1 203	...	...	\$1 166	...	\$2 339
Percent receiving public assistance income	10.1	—	30.0	51.1	40.3	55.9	...	16.8	...	...	8.9	...	—
Mean size of family	3.48	...	2.59	5.00	4.36	4.12	...	3.31	...	...	2.73	...	3.92
With related children under 18 years	38	11	52	42	169	213	8	49	...	5	15	10	20
Mean number of related children under 18 years	2.82	...	1.62	3.05	3.62	3.32	...	2.80	...	...	...	...	...
With related children under 6 years	28	11	31	18	139	151	3	35	...	5	4	...	8
Mean number of related children under 6 years	1.21	...	1.35	...	1.90	1.52	...	2.06	...	...	...	...	...
Families with female head	28	11	38	23	122	160	14	29	...	...	12	...	12
With related children under 18 years	18	11	38	23	122	151	8	18	...	...	9	...	12
Mean number of related children under 18 years	...	...	1.63	...	3.84	3.21	...	...	...	...	...	...	...
With related children under 6 years	12	11	26	12	99	106	3	9	...	...	4	...	8
Percent in labor force	...	...	65.4	...	37.4	39.6	...	...	...	...	...	...	...
Mean number of related children under 6 years	...	...	1.42	...	1.90	1.53	...	...	...	...	...	...	...
Family heads	69	16	70	47	221	270	19	95	—	5	45	10	36
Percent 65 years and over	36.2	...	18.6	14.9	23.1	11.1	...	22.1	...	...	24.4	...	16.7
Civilian male heads under 65 years	26	—	19	17	48	80	—	51	...	5	22	10	18
Percent in labor force	100.0	...	...	...	52.1	48.8	...	80.4	...	...	...	...	...
Unrelated individuals	83	27	103	39	201	151	84	175	—	—	63	35	49
Percent of all unrelated individuals	28.1	20.8	35.2	62.9	48.7	60.9	43.5	38.7	...	...	27.8	39.8	59.0
Mean income	\$1 120	\$1 306	\$1 166	\$626	\$958	\$714	\$881	\$857	...	...	\$896	\$1 396	\$1 017
Mean income deficit	\$658	\$480	\$620	\$1 269	\$848	\$1 111	\$931	\$924	...	...	\$894	\$428	\$769
Percent receiving public assistance income	12.0	—	—	28.2	4.5	20.5	3.6	7.4	...	...	22.2	14.3	22.4
Percent 65 years and over	77.1	55.6	69.9	20.5	50.7	25.8	63.1	68.6	...	...	52.4	45.7	73.5
Persons	323	69	284	274	1 164	1 263	142	489	—	30	186	80	190
Percent of all persons	6.5	4.4	6.9	29.7	23.5	27.5	8.7	9.6	...	55.6	4.4	4.0	5.5
Percent receiving Social Security income	33.7	37.7	33.1	7.3	16.8	6.7	64.8	36.0	...	...	32.8	47.5	26.3
Percent 65 years and over	31.6	36.2	33.5	7.7	15.5	6.7	54.2	32.7	...	...	34.4	20.0	25.3
Percent receiving Social Security income	85.3	80.0	87.4	—	86.2	44.7	94.8	91.3	...	...	70.3	...	87.5
Related children under 18 years	113	23	82	123	598	713	29	138	...	20	40	14	57
Percent living with both parents	57.5	—	22.0	36.6	20.2	29.0	—	51.4	...	...	30.0	...	24.6
Households	134	37	154	70	313	317	91	232	—	5	98	27	73
Percent of all households	8.7	7.1	12.6	25.9	24.2	28.7	16.2	13.4	...	...	7.2	5.4	8.4
Owner occupied	94	16	70	29	169	141	23	141	...	5	60	23	67
Mean value of unit	\$11 500	...	\$9 800	\$7 400	\$8 800	\$7 800	...	\$7 200	...	...	\$27 800	...	\$18 100
Renter occupied	40	21	84	41	144	176	68	91	...	...	38	4	6
Mean gross rent	\$51	...	\$98	\$89	\$102	\$73	\$47	\$76	...	...	\$141	...	...
Percent lacking some or all plumbing facilities	11.2	—	—	7.1	4.5	—	—	7.3	...	...	—	25.9	...

<sup>1</sup>Excludes inmates of institutions, members of the Armed Forces living in barracks, college students in dormitories, and unrelated individuals under 14 years.

Table P-4. Income Characteristics of the Population: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.												
	Tract 0018	Tract 0019.01	Tract 0019.02	Tract 0020	Tract 0022	Tract 0023	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029
<b>INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS</b>													
All families	668	524	1 383	750	1 138	1 783	675	1 545	916	762	1 440	1 026	1 084
Less than \$1,000	6	9	10	6	9	5	—	5	15	6	17	34	13
\$1,000 to \$1,999	50	11	9	8	11	23	—	4	22	18	23	29	14
\$2,000 to \$2,999	12	10	58	41	16	28	18	17	41	33	39	25	37
\$3,000 to \$3,999	10	45	30	25	29	29	23	57	21	29	37	28	19
\$4,000 to \$4,999	30	14	77	27	11	18	38	38	50	17	35	34	20
\$5,000 to \$5,999	43	14	59	13	18	33	17	28	34	44	71	40	43
\$6,000 to \$6,999	40	30	94	40	15	50	18	39	82	37	96	68	53
\$7,000 to \$7,999	39	54	110	95	66	81	35	59	86	63	94	59	128
\$8,000 to \$8,999	42	55	113	88	78	120	32	102	128	73	104	96	113
\$9,000 to \$9,999	67	49	151	102	46	123	9	138	97	102	143	96	197
\$10,000 to \$11,999	134	72	245	115	242	264	100	300	117	110	286	164	189
\$12,000 to \$14,999	104	67	205	130	231	300	115	249	134	135	271	191	189
\$15,000 to \$24,999	88	89	207	60	314	584	193	406	62	84	189	135	109
\$25,000 or more	3	5	15	—	52	89	70	84	23	4	5	20	34
Median income	\$9 925	\$9 408	\$9 871	\$9 314	\$12 364	\$13 175	\$13 239	\$11 903	\$8 836	\$9 598	\$10 217	\$10 024	\$9 885
Mean income	\$9 678	\$10 038	\$10 371	\$9 611	\$13 145	\$14 582	\$14 249	\$13 611	\$9 753	\$10 486	\$10 262	\$10 804	\$10 576
Families and unrelated individuals	751	612	1 616	865	1 285	1 917	803	1 722	1 135	853	1 578	1 174	1 257
Median income	\$9 306	\$8 564	\$9 258	\$8 780	\$11 756	\$12 634	\$11 810	\$11 410	\$8 216	\$9 240	\$9 846	\$9 350	\$9 239
Mean income	\$8 959	\$8 950	\$9 471	\$8 824	\$12 350	\$14 026	\$12 807	\$12 620	\$8 533	\$9 848	\$9 652	\$9 954	\$9 573
Unrelated individuals	83	88	233	115	147	134	128	177	219	91	138	148	173
Median income	\$2 550	\$1 763	\$3 190	\$3 167	\$5 300	\$4 857	\$3 500	\$2 708	\$2 024	\$3 500	\$1 981	\$3 364	\$2 322
Mean income	\$3 177	\$2 465	\$4 129	\$3 694	\$6 198	\$6 618	\$5 204	\$3 969	\$3 426	\$4 505	\$3 284	\$4 054	\$3 286
<b>TYPE OF INCOME IN 1969 OF FAMILIES</b>													
All families	668	524	1 383	750	1 138	1 783	675	1 545	916	762	1 440	1 026	1 084
With wage or salary income	592	493	1 256	655	1 024	1 676	584	1 390	798	674	1 200	891	1 006
Mean wage or salary income	\$9 941	\$9 518	\$10 211	\$9 730	\$11 765	\$13 323	\$13 574	\$12 555	\$9 548	\$10 422	\$10 161	\$10 358	\$9 791
With nonfarm self-employment income	46	16	76	7	148	224	83	207	57	40	112	109	91
Mean nonfarm self-employment income	\$5 417	...	\$5 615	\$4 858	\$9 858	\$10 288	\$12 415	\$9 272	\$7 659	\$8 938	\$7 396	\$5 742	\$7 295
With farm self-employment income	—	10	—	20	—	6	—	—	—	—	—	—	\$925
Mean farm self-employment income	—	—	—	—	—	—	—	—	—	—	—	—	139
With Social Security income	99	97	229	151	193	208	116	231	169	118	173	176	139
Mean Social Security income	\$1 532	\$1 731	\$1 861	\$1 507	\$2 057	\$1 671	\$1 665	\$1 690	\$1 844	\$1 775	\$1 990	\$1 749	\$1 929
With public assistance or public welfare income	26	41	58	22	35	26	17	8	61	41	68	32	45
Mean public assistance or public welfare income	\$1 042	\$1 050	\$1 419	...	\$830	\$981	...	...	\$1 789	\$2 487	\$616	\$600	\$759
With other income	190	160	506	262	590	837	310	745	261	280	486	416	383
Mean other income	\$797	\$907	\$1 153	\$855	\$1 740	\$1 229	\$1 067	\$1 642	\$1 392	\$1 052	\$1 125	\$2 168	\$1 390
<b>RATIO OF FAMILY INCOME TO POVERTY LEVEL<sup>1</sup></b>													
Percent of families with incomes:													
Less than .50 of poverty level	2.1	1.7	1.2	1.9	1.2	0.8	—	0.6	3.2	1.4	2.4	5.7	1.6
.50 to .74	4.8	3.1	1.2	0.4	0.5	1.1	—	0.1	2.3	2.5	1.5	1.5	2.4
.75 to .99	3.7	2.5	3.0	4.5	0.5	1.1	2.8	1.5	4.0	3.4	1.5	—	1.1
1.00 to 1.24	1.6	2.9	3.0	3.1	0.9	2.0	2.2	0.7	2.1	3.5	4.4	4.4	2.3
1.25 to 1.49	6.3	10.3	3.9	4.3	1.8	2.0	1.3	3.0	4.6	4.6	4.7	5.1	3.7
1.50 to 1.99	8.1	18.3	10.6	15.6	9.4	7.1	6.8	8.8	16.4	11.4	12.5	14.6	15.6
2.00 to 2.99	37.4	29.2	31.4	28.9	20.2	23.6	21.9	28.1	27.6	31.9	32.9	23.6	33.0
3.00 or more	35.9	32.1	45.7	41.3	65.4	62.4	64.9	57.2	39.8	41.2	40.1	45.2	40.3
<b>INCOME BELOW POVERTY LEVEL<sup>1</sup></b>													
Families	71	38	75	51	26	52	19	34	87	56	77	73	55
Percent of all families	10.6	7.3	5.4	6.8	2.3	2.9	2.8	2.2	9.5	7.3	5.3	7.1	5.1
Mean family income	\$1 721	\$2 326	\$2 658	\$2 701	\$1 250	\$2 079	...	\$2 106	\$2 339	\$1 813	\$2 012	\$1 131	\$1 878
Mean income deficit	\$1 142	\$1 421	\$1 187	\$1 328	\$1 494	\$1 321	...	\$1 163	\$1 166	\$1 142	\$1 765	\$2 350	\$1 773
Percent receiving public assistance income	11.3	55.3	28.0	—	—	21.2	...	5.9	46.0	21.4	45.5	6.8	10.9
Mean size of family	2.77	4.11	4.27	4.55	2.62	3.67	...	3.44	3.82	2.95	4.12	3.77	3.95
With related children under 18 years	34	31	65	38	14	34	14	22	70	19	65	43	45
Mean number of related children under 18 years	2.41	2.68	3.02	3.37	...	2.97	...	2.74	...	2.72	2.65	2.71	2.71
With related children under 6 years	29	9	41	13	8	13	4	13	51	6	39	22	8
Mean number of related children under 6 years	1.38	...	1.32	...	...	...	...	1.69	...	1.05	...	...	...
Families with female head	30	19	26	6	9	30	10	7	34	14	40	21	32
With related children under 18 years	22	12	26	6	9	23	10	7	34	14	35	21	27
Mean number of related children under 18 years	...	...	3.23	...	...	...	...	3.29	...	2.49	...	...	2.81
With related children under 6 years	22	...	20	...	3	8	...	7	25	6	19	5	2
Percent in labor force	...	...	...	...	...	...	...	...	56.0	...	...	...	...
Mean number of related children under 6 years	...	...	...	...	...	...	...	1.52	...	...	...	...	...
Family heads	71	38	75	51	26	52	19	34	87	56	77	73	55
Percent 65 years and over	31.0	—	6.7	29.4	46.2	25.0	...	17.6	19.5	33.9	6.5	6.8	18.2
Civilian male heads under 65 years	19	19	44	30	5	16	4	21	36	23	32	47	18
Percent in labor force	...	...	65.9	43.3	...	...	...	...	83.3	...	78.1	72.3	...
Unrelated individuals	36	53	66	31	38	20	28	74	104	5	63	41	66
Percent of all unrelated individuals	43.4	60.2	28.3	27.0	25.9	14.9	21.9	41.8	47.5	5.5	45.7	27.7	38.2
Mean income	\$469	\$1 195	\$820	\$766	\$561	...	\$1 048	\$1 132	\$670	...	\$940	\$815	\$948
Mean income deficit	\$1 350	\$548	\$993	\$1 091	\$1 213	...	\$763	\$676	\$1 152	...	\$859	\$972	\$796
Percent receiving public assistance income	—	11.3	—	—	—	...	14.3	5.4	11.5	...	—	—	9.1
Percent 65 years and over	50.0	60.4	53.0	32.3	71.1	...	50.0	58.1	46.2	...	65.1	53.7	80.3
Persons	233	209	386	263	106	211	100	191	436	170	380	316	283
Percent of all persons	8.7	9.3	7.3	9.0	2.6	2.9	3.7	3.2	12.1	5.8	6.5	7.7	6.4
Percent receiving Social Security income	27.0	18.7	10.1	18.6	30.2	16.1	19.0	25.7	14.7	18.8	12.4	25.9	27.6
Percent 65 years and over	21.9	15.3	11.4	11.8	46.2	11.4	19.0	25.7	14.9	26.5	13.7	13.0	25.4
Percent receiving Social Security income	90.2	100.0	56.8	80.6	57.1	...	...	100.0	60.0	71.1	67.3	87.8	91.7
Related children under 18 years	103	77	198	137	24	106	43	60	185	74	188	114	136
Percent living with both parents	3.9	74.0	57.6	77.4	...	35.8	9.3	55.0	40.0	14.9	44.1	64.9	30.1
Households	78	61	117	53	60	67	40	67	126	43	118	61	53
Percent of all households	11.7	11.3	7.6	7.0	4.8	3.7	5.6	4.1	14.5	6.2	8.3	6.6	6.8
Owner occupied	63	35	81	41	55	49	19	56	90	43	90	56	43
Mean value of unit	\$9 400	\$9 500	\$11 700	\$7 400	\$16 400	\$14 500	...	\$20 300	\$7 500	\$9 700	\$11 500	\$9 400	\$7 600
Renter occupied	15	26	36	12	5	18	...	11	36	...	28	5	10
Mean gross rent	...	\$101	\$94	...	...	...	...	...	\$86	...	\$105	...	...
Percent lacking some or all plumbing facilities	9.0	23.0	5.1	9.4	10.0	...	10.0	...	4.8	...	5.1	...	13.2

<sup>1</sup>Excludes inmates of institutions, members of the Armed Forces living in barracks, college students in dormitories, and unrelated individuals under 14 years.



**Table P-4. Income Characteristics of the Population: 1970—Continued**

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

Census Tracts	Balance of Muskegon County—Con.											Totals for split tracts	
	Tract 0030	Tract 0031	Tract 0032	Tract 0033	Tract 0034	Tract 0035	Tract 0036	Tract 0037	Tract 0038	Tract 0039	Tract 0040	Tract 0001	Tract 0004
<b>INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS</b>													
All families	775	658	923	672	791	545	663	1 186	850	341	145	490	1 940
Less than \$1,000	17	19	14	20	32	17	11	9	7	12	—	—	31
\$1,000 to \$1,999	15	18	27	25	20	11	16	8	4	7	—	—	25
\$2,000 to \$2,999	34	15	4	30	23	23	30	35	47	21	17	9	78
\$3,000 to \$3,999	29	10	59	5	7	37	21	31	38	25	9	27	79
\$4,000 to \$4,999	8	36	40	44	32	15	40	55	43	5	9	5	104
\$5,000 to \$5,999	55	41	52	28	41	27	39	51	35	13	5	13	84
\$6,000 to \$6,999	61	52	94	47	57	39	71	70	44	35	24	40	113
\$7,000 to \$7,999	35	91	110	51	120	39	45	89	53	40	4	31	180
\$8,000 to \$8,999	106	104	109	75	75	61	68	144	65	26	23	50	190
\$9,000 to \$9,999	51	99	74	60	74	13	35	93	94	42	6	43	159
\$10,000 to \$11,999	112	72	129	108	121	95	107	188	194	47	31	100	272
\$12,000 to \$14,999	114	56	143	107	93	76	107	192	111	42	5	115	375
\$15,000 to \$24,999	118	45	63	67	85	88	50	181	100	22	12	52	225
\$25,000 or more	20	—	5	—	11	—	23	40	15	4	—	—	25
\$50,000 or more	—	—	—	5	—	4	—	—	—	—	—	5	—
Median income	\$9 539	\$8 452	\$8 564	\$9 183	\$8 847	\$9 269	\$8 860	\$10 085	\$9 947	\$8 481	\$8 196	\$10 540	\$9 541
Mean income	\$10 449	\$8 578	\$8 960	\$9 810	\$9 465	\$10 442	\$9 915	\$11 008	\$10 077	\$8 948	\$8 090	\$10 751	\$9 933
Families and unrelated individuals	914	859	1 130	774	952	628	806	1 505	982	390	170	616	2 297
Median income	\$8 694	\$7 840	\$7 932	\$8 467	\$8 000	\$8 459	\$8 241	\$9 095	\$9 384	\$8 154	\$6 833	\$9 396	\$8 666
Mean income	\$9 255	\$7 575	\$8 152	\$8 827	\$8 386	\$9 537	\$8 781	\$9 748	\$9 262	\$8 608	\$7 106	\$9 218	\$8 948
Unrelated individuals	139	201	207	102	161	83	143	319	132	49	25	126	357
Median income	\$1 833	\$4 604	\$4 688	\$1 786	\$1 830	\$1 978	\$2 175	\$3 558	\$3 237	\$6 611	\$1 342	\$1 944	\$2 678
Mean income	\$2 596	\$4 291	\$4 549	\$2 352	\$3 082	\$3 594	\$3 526	\$5 063	\$4 010	\$6 242	\$1 398	\$3 256	\$3 597
<b>TYPE OF INCOME IN 1969 OF FAMILIES</b>													
All families	775	658	923	672	791	545	663	1 186	850	341	145	490	1 940
With wage or salary income	706	610	825	593	677	486	591	1 038	746	269	114	441	1 676
Mean wage or salary income	\$9 246	\$8 188	\$8 991	\$9 659	\$9 394	\$10 066	\$9 298	\$10 371	\$10 292	\$9 480	\$7 900	\$10 589	\$9 738
With nonfarm self-employment income	122	47	45	72	76	56	47	165	89	48	30	28	146
Mean nonfarm self-employment income	\$4 843	\$4 178	\$4 954	\$3 511	\$6 718	\$3 467	\$7 089	\$7 103	\$2 513	\$3 779	\$2 410	\$5 846	\$7 178
With farm self-employment income	157	5	—	43	—	5	6	5	25	43	6	—	25
Mean farm self-employment income	\$2 935	—	—	\$2 031	—	—	—	—	\$182	\$1 967	—	—	\$5 970
With Social Security income	114	96	192	115	97	120	126	241	159	70	38	101	442
Mean Social Security income	\$1 666	\$1 953	\$1 454	\$1 615	\$2 144	\$1 972	\$1 704	\$1 931	\$1 989	\$1 696	\$1 849	\$1 865	\$1 774
With public assistance or public welfare income	58	42	72	19	44	39	64	42	15	18	8	4	99
Mean public assistance or public welfare income	\$1 333	\$1 336	\$1 235	—	\$1 895	\$1 173	\$1 140	\$1 179	—	—	—	—	\$1 111
With other income	281	150	206	227	200	191	238	528	291	167	63	194	706
Mean other income	\$896	\$1 444	\$1 270	\$1 406	\$1 626	\$1 669	\$1 860	\$1 139	\$1 113	\$657	\$1 922	\$1 264	\$1 214
<b>RATIO OF FAMILY INCOME TO POVERTY LEVEL<sup>1</sup></b>													
Percent of families with incomes:													
Less than .50 of poverty level	4.0	2.9	3.1	5.7	5.4	5.1	2.7	1.0	1.9	3.5	—	—	2.0
.50 to .74	0.6	0.5	2.8	1.6	2.3	2.9	3.0	0.8	0.6	4.4	—	—	1.4
.75 to .99	3.9	5.2	1.6	0.7	4.0	3.9	3.5	1.6	1.9	1.5	11.7	0.8	2.3
1.00 to 1.24	2.5	5.6	5.2	5.2	1.9	2.9	3.6	2.9	3.5	3.8	3.4	3.3	3.9
1.25 to 1.49	4.1	7.8	5.3	6.4	4.2	3.1	4.1	5.9	4.1	3.2	3.4	—	3.7
1.50 to 1.99	10.5	22.9	20.2	14.0	14.9	13.9	11.6	9.0	17.4	23.5	24.1	9.2	11.8
2.00 to 2.99	30.7	27.8	24.4	32.7	30.6	23.1	33.9	27.2	29.8	32.3	17.9	27.6	28.8
3.00 or more	43.7	27.4	37.4	33.6	36.7	45.0	37.6	51.6	40.8	27.9	39.3	59.2	46.1
<b>INCOME BELOW POVERTY LEVEL<sup>1</sup></b>													
Families	66	56	70	54	93	65	61	40	37	32	17	4	111
Percent of all families	8.5	8.5	7.6	8.0	11.8	11.9	9.2	3.4	4.4	9.4	11.7	0.8	5.7
Mean family income	\$2 149	\$1 739	\$1 956	\$1 253	\$1 922	\$1 704	\$2 239	\$2 744	\$2 158	\$1 852	—	—	\$1 724
Mean income deficit	\$1 877	\$1 384	\$1 556	\$1 752	\$1 867	\$1 794	\$1 505	\$1 255	\$1 504	\$1 808	—	—	\$1 512
Percent receiving public assistance income	30.3	14.3	20.0	16.7	28.0	38.5	63.9	27.5	27.0	—	—	—	50.5
Mean size of family	4.82	3.29	4.01	2.93	4.41	3.83	4.23	4.65	3.89	4.06	—	—	3.41
With related children under 18 years	61	41	50	34	69	44	47	36	21	25	10	—	70
Mean number of related children under 18 years	2.92	2.22	3.20	1.50	3.77	2.59	3.04	3.08	—	3.00	—	—	2.70
With related children under 6 years	29	21	36	17	25	20	12	22	11	12	5	—	36
Mean number of related children under 6 years	1.79	—	1.28	—	1.84	—	—	—	—	—	—	—	1.19
Families with female head	19	19	14	39	10	21	13	14	14	14	—	—	47
With related children under 18 years	19	19	14	36	10	21	13	10	14	14	—	—	47
Mean number of related children under 18 years	—	—	—	4.06	—	—	—	—	—	—	—	—	2.08
With related children under 6 years	8	4	5	10	7	—	8	4	—	6	—	—	26
Percent in labor force	—	—	—	—	—	—	—	—	—	—	—	—	38.5
Mean number of related children under 6 years	—	—	—	—	—	—	—	—	—	—	—	—	1.27
Family heads	66	56	70	54	93	65	61	40	37	32	17	4	111
Percent 65 years and over	6.1	14.3	21.4	16.7	18.3	23.1	—	10.0	29.7	37.5	—	—	18.0
Civilian male heads under 65 years	47	32	36	31	37	40	40	23	16	6	10	—	33
Percent in labor force	78.7	68.8	58.3	83.9	70.3	47.5	90.0	—	—	—	—	—	81.8
Unrelated individuals	66	69	79	57	88	42	68	92	24	14	19	64	129
Percent of all unrelated individuals	47.5	34.3	38.2	55.9	54.7	50.6	47.6	28.8	18.2	28.6	76.0	50.8	36.1
Mean income	\$786	\$664	\$524	\$967	\$713	\$732	\$732	\$746	—	—	—	\$765	\$1 135
Mean income deficit	\$994	\$1 159	\$1 314	\$799	\$984	\$1 045	\$1 097	\$980	—	—	—	\$1 097	\$661
Percent receiving public assistance income	6.1	11.6	7.6	12.3	4.5	19.0	33.8	6.5	—	—	—	—	16.3
Percent 65 years and over	59.1	39.1	30.4	24.6	45.5	61.9	29.4	76.1	—	—	—	37.5	65.1
Persons	384	253	360	215	498	291	326	278	168	144	101	72	508
Percent of all persons	11.8	8.4	9.4	8.1	15.0	13.3	12.1	5.9	5.1	10.3	18.5	3.7	7.0
Percent receiving Social Security income	12.0	15.8	18.9	34.9	17.3	13.7	14.4	21.2	11.3	16.0	20.8	77.8	28.5
Percent 65 years and over	11.2	15.4	14.7	15.3	12.4	17.9	6.1	26.6	20.2	11.8	19.8	43.1	25.4
Percent receiving Social Security income	90.7	89.7	79.2	100.0	91.9	51.9	—	50.0	38.2	—	—	77.4	88.4
Related children under 18 years	175	83	161	55	246	110	148	118	60	71	51	—	175
Percent living with both parents	72.0	56.6	53.4	21.8	42.7	78.2	59.5	63.6	66.7	29.6	100.0	—	35.4
Households	79	72	97	75	85	61	89	84	41	17	33	46	213
Percent of all households	21.2	12.2	10.3	15.7	12.6	14.6	13.3	7.4	4.7	8.1	28.2	8.2	9.7
Owner occupied	48	64	84	53	49	57	46	64	35	8	26	42	159
Mean value of unit	\$9 800	\$9 100	\$7 200	\$8 000	\$10 000	\$12 100	\$4 600	\$11 500	\$10 900	—	\$8 600	\$9 200	\$9 300
Renter occupied	31	8	13	22	36	4	43	20	6	9	7	4	54
Mean gross rent	\$29	—	—	—	\$78	—	\$79	—	—	—	—	—	\$89
Percent lacking some or all plumbing facilities	29.1	—	—	22.7	4.7	14.8	15.7	—	—	—	21.2	—	8.5

<sup>1</sup>Excludes inmates of institutions, members of the Armed Forces living in barracks, college students in dormitories, and unrelated individuals under 14 years.

**Table P-5. General and Social Characteristics of the Negro Population: 1970**

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

**Census Tracts With  
400 or More Negro  
Population**

**AGE BY SEX**

	Muskegon County				Muskegon				Muskegon Heights			Balance of Muskegon County
	Total	Muskegon	Muskegon Heights	Balance	Tract 0002	Tract 0003	Tract 0005	Tract 0006.02	Tract 0011	Tract 0012	Tract 0013	Tract 0018
<b>Male, all ages</b> .....	8 016	3 051	4 318	647	1 081	868	339	573	318	1 691	2 193	250
Under 5 years.....	1 018	455	529	34	154	144	42	87	45	215	257	19
3 and 4 years.....	399	201	191	7	53	70	14	41	7	57	119	3
5 to 9 years.....	1 172	505	593	74	190	128	73	84	13	265	285	34
5 years.....	200	109	85	6	27	28	15	29	-	40	41	-
6 years.....	285	108	166	11	37	18	9	24	5	95	57	6
10 to 14 years.....	1 219	417	688	114	123	152	70	40	53	270	357	36
14 years.....	273	98	152	23	34	34	17	-	7	54	91	5
15 to 19 years.....	905	335	478	92	132	122	39	42	40	144	285	47
15 years.....	225	79	116	30	25	25	21	8	-	26	85	21
16 years.....	227	67	145	15	28	30	9	-	13	71	61	5
17 years.....	184	70	109	5	36	34	-	-	7	21	81	-
18 years.....	140	66	49	25	24	13	6	23	7	19	23	14
19 years.....	129	53	59	17	19	20	3	11	13	7	35	7
20 to 24 years.....	548	212	306	30	65	39	32	63	48	136	113	11
20 years.....	81	41	34	6	19	11	5	6	-	15	14	-
21 years.....	185	60	112	13	18	16	14	7	24	47	41	5
25 to 34 years.....	582	200	346	36	67	66	25	21	18	116	186	12
35 to 44 years.....	736	299	404	33	116	64	22	89	27	213	150	9
45 to 54 years.....	759	303	382	74	108	81	25	54	26	148	200	12
55 to 59 years.....	408	134	206	68	44	39	5	38	7	82	117	34
60 to 64 years.....	259	64	155	40	35	8	-	16	25	28	102	11
65 to 74 years.....	328	116	177	35	42	25	-	39	4	58	115	17
75 years and over.....	82	11	54	17	5	-	6	-	12	16	26	8

<b>Female, all ages</b> .....	8 714	3 365	4 690	659	1 109	967	433	618	294	1 922	2 357	247
Under 5 years.....	1 078	457	526	95	156	133	83	55	27	227	256	51
3 and 4 years.....	481	193	238	50	93	23	38	23	8	111	111	24
5 to 9 years.....	1 131	406	659	66	125	150	57	31	12	274	344	31
5 years.....	255	96	146	13	22	41	21	-	-	92	46	7
6 years.....	154	62	88	4	22	17	13	-	-	24	60	4
10 to 14 years.....	1 201	459	621	121	145	109	62	124	44	298	274	25
14 years.....	247	61	148	38	21	25	8	7	9	71	68	10
15 to 19 years.....	989	398	520	71	136	140	37	68	57	216	243	20
15 years.....	206	88	91	27	28	27	15	6	5	32	54	16
16 years.....	218	80	121	17	40	20	-	15	6	46	69	-
17 years.....	215	80	131	4	34	19	13	14	20	39	72	-
18 years.....	190	78	103	9	6	40	5	27	10	56	33	-
19 years.....	160	72	74	14	28	34	4	6	16	43	15	4
20 to 24 years.....	649	279	344	26	73	57	46	70	10	161	169	8
20 years.....	206	91	108	7	26	17	16	8	-	39	69	-
21 years.....	188	96	84	8	11	12	19	45	4	38	38	4
25 to 34 years.....	910	377	504	29	131	122	45	54	19	201	257	20
35 to 44 years.....	928	359	494	75	108	89	40	78	41	241	203	5
45 to 54 years.....	816	297	426	93	100	84	30	72	49	126	241	40
55 to 59 years.....	320	93	197	30	23	28	14	22	5	85	102	30
60 to 64 years.....	274	71	173	30	39	17	-	15	9	33	131	6
65 to 74 years.....	296	138	141	17	69	28	19	22	21	30	86	11
75 years and over.....	122	31	85	6	4	10	-	7	-	30	51	-

**RELATIONSHIP TO HEAD OF HOUSEHOLD**

<b>All persons</b> .....	16 730	6 416	9 008	1 306	2 190	1 835	772	1 191	612	3 613	4 550	497
In households.....	16 499	6 334	8 898	1 267	2 190	1 817	766	1 160	612	3 557	4 496	485
Head of household.....	4 214	1 632	2 247	335	539	443	164	363	152	861	1 167	123
Head of family.....	3 474	1 235	1 955	284	395	334	155	260	132	767	1 010	113
Primary individual.....	740	397	292	51	144	109	9	103	20	94	157	16
Wife of head.....	2 347	795	1 344	208	319	157	80	166	103	522	682	79
Other relative of head.....	9 466	3 664	5 114	688	1 205	1 188	487	579	345	2 067	2 573	276
Not related to head.....	472	243	193	36	127	29	35	52	12	107	74	7
In group quarters.....	231	82	110	39	-	18	6	31	-	56	54	12
Persons per household.....	3.92	3.88	3.96	3.78	4.06	4.10	4.67	3.20	4.03	4.13	3.85	3.94

**TYPE OF HOUSEHOLD**

<b>All households</b> .....	4 214	1 632	2 247	335	539	443	164	363	152	861	1 167	123
Male primary individual.....	311	193	91	27	45	64	3	70	9	43	36	-
Female primary individual.....	429	204	201	24	59	45	6	33	11	51	121	10
Husband-wife households.....	2 511	808	1 465	238	295	182	74	190	114	587	722	83
Households with other male head.....	107	31	63	13	-	16	5	10	-	15	48	13
Households with female head.....	856	396	427	33	100	136	76	60	18	165	240	17

**SCHOOL ENROLLMENT**

<b>Persons, 16 to 21 years old</b> .....	2 123	854	1 129	140	289	266	94	162	120	441	551	39
Not attending school.....	1 063	491	497	75	142	159	54	98	57	203	237	16
Not high school graduates.....	482	204	225	53	61	64	30	29	19	108	98	7
Percent of total.....	22.7	23.9	19.9	37.9	21.1	24.1	31.9	17.9	15.8	24.5	17.8	17.9

**YEARS OF SCHOOL COMPLETED**

<b>Persons, 25 years old and over</b> .....	6 820	2 493	3 744	583	891	661	231	527	263	1 407	1 967	215
No school years completed.....	209	58	114	37	9	16	14	4	20	42	52	17
Elementary: 1 to 4 years.....	602	217	323	62	100	95	11	-	34	66	214	20
5 to 7 years.....	1 219	500	584	135	169	120	43	143	35	207	335	64
8 years.....	1 069	333	667	69	129	72	35	93	45	212	405	22
High school: 1 to 3 years.....	2 106	763	1 179	164	274	201	71	160	97	459	605	58
4 years.....	1 052	418	590	44	167	82	52	76	32	259	270	23
College: 1 to 3 years.....	373	124	193	56	40	37	-	17	-	108	64	11
4 years or more.....	190	80	94	16	3	38	5	34	-	54	22	-
Median school years completed.....	9.4	9.5	9.5	8.8	9.4	9.4	9.5	9.4	8.9	10.2	8.9	8.3
Percent high school graduates.....	23.7	24.9	23.4	19.9	23.6	23.8	24.7	24.1	12.2	29.9	18.1	15.8

**RESIDENCE IN 1965**

<b>Persons, 5 years old and over, 1970<sup>1</sup></b> .....	14 575	5 501	7 951	1 123	1 882	1 558	659	1 098	508	3 203	4 037	374
Some house as in 1970.....	7 463	2 413	4 469	581	1 012	645	162	456	282	1 544	2 625	235
Different house.....												
In central city of this SMSA.....	3 588	1 643	1 785	160	381	514	286	365	107	842	731	76
In other part of this SMSA.....	639	230	214	195	69	123	7	31	12	172	30	35
Outside this SMSA.....	1 351	527	747	77	219	128	134	21	20	307	340	4
North and West.....	842	327	446	69	123	69	89	21	8	96	268	4
South.....	509	200	301	8	96	59	45	-	12	211	72	-
Abroad.....	15	15	-	-	5	10	-	-	-	-	-	-

<sup>1</sup>Includes "Moved, 1965 residence not reported."

Table P-6. Economic Characteristics of the Negro Population: 1970

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

**Census Tracts With 400 or More Negro Population**

	Muskegon County				Muskegon				Muskegon Heights			Balance of Muskegon County
	Total	Muskegon	Muskegon Heights	Balance	Tract 0002	Tract 0003	Tract 0005	Tract 0006.02	Tract 0011	Tract 0012	Tract 0013	Tract 0018
<b>EMPLOYMENT STATUS AND OCCUPATION</b>												
Male, 16 years old and over												
Labor force	4 382	1 595	2 392	395	589	419	133	354	207	915	1 209	140
Civilian labor force	3 213	1 232	1 727	254	449	333	108	275	131	710	833	96
Employed	2 908	1 082	1 606	220	399	273	108	240	125	669	759	84
Unemployed	300	145	121	34	50	60	-	35	6	41	74	12
Not in labor force	1 169	363	665	141	140	86	25	79	76	205	376	44
Female, 16 years old and over												
Labor force	5 098	1 955	2 793	350	655	548	216	402	204	1 091	1 429	114
Civilian labor force	2 369	938	1 328	103	265	299	71	240	121	575	591	36
Employed	2 369	938	1 328	103	265	299	71	240	121	575	591	36
Unemployed	2 043	836	1 104	103	215	266	71	234	95	495	473	36
Not in labor force	326	102	224	-	50	33	-	6	26	80	118	-
Married women in labor force, husband present	2 729	1 017	1 465	247	390	249	145	162	85	516	838	68
With own children under 6 years	1 242	438	726	78	171	99	41	94	58	303	328	16
Without own children under 6 years	427	164	239	24	73	39	19	16	25	139	54	11
Total employed, 16 years old and over	4 951	1 918	2 710	323	614	539	179	474	220	1 164	1 232	120
Professional, technical, and kindred workers	303	88	200	15	17	35	-	13	12	107	53	5
Managers and administrators, except farm	53	22	24	7	-	5	4	10	-	15	5	-
Sales workers	65	19	46	-	5	8	-	6	11	16	16	-
Clerical and kindred workers	402	204	198	-	75	40	28	53	15	78	98	-
Craftsmen, foremen, and kindred workers	544	138	353	53	47	31	22	25	29	170	145	14
Operatives, except transport	1 784	717	989	78	222	173	72	225	75	462	427	43
Transport equipment operatives	94	24	63	7	3	13	-	-	-	30	33	7
Laborers, except farm	405	208	152	45	63	97	18	26	-	60	92	24
Farm workers	41	12	12	17	-	-	-	12	-	7	5	4
Service workers, except private household	1 089	422	566	101	160	133	35	72	70	196	282	23
Private household workers	171	64	107	-	22	4	-	32	8	23	76	-
Female employed, 16 years old and over												
Professional, technical, and kindred workers	2 043	836	1 104	103	215	266	71	234	95	495	473	36
Managers and administrators, except farm	183	61	113	9	5	20	-	13	12	65	23	5
Sales workers	9	19	32	-	5	8	-	6	11	5	16	-
Clerical and kindred workers	51	19	32	-	5	8	-	6	11	5	16	-
Operatives, including transport	349	186	163	-	70	40	28	40	6	73	77	-
Other blue-collar workers	474	193	260	21	10	85	23	71	14	154	88	9
Farm workers	28	9	19	-	5	4	-	-	-	15	4	-
Service workers, except private household	28	12	12	4	-	-	-	-	-	7	5	-
Private household workers	750	292	389	69	98	105	20	60	44	153	179	18
Private household workers	171	64	107	-	22	4	-	32	8	23	76	-
<b>FAMILY INCOME IN 1969</b>												
All families	3 474	1 235	1 955	284	395	334	155	260	132	767	1 010	113
Less than \$1,000	162	71	91	-	34	5	14	5	11	33	47	-
\$1,000 to \$1,999	236	100	106	30	43	28	22	7	8	33	65	20
\$2,000 to \$2,999	267	105	154	8	36	18	23	24	7	53	94	3
\$3,000 to \$3,999	252	103	125	24	43	29	12	19	10	34	81	10
\$4,000 to \$4,999	176	68	99	9	16	33	-	19	-	33	66	4
\$5,000 to \$5,999	256	81	153	22	18	14	10	35	5	57	91	4
\$6,000 to \$6,999	246	85	113	48	29	28	6	13	9	33	71	11
\$7,000 to \$7,999	260	76	168	16	23	21	17	7	10	85	73	10
\$8,000 to \$8,999	261	93	152	16	17	36	4	9	13	40	89	8
\$9,000 to \$9,999	221	62	142	17	19	22	6	-	11	62	60	-
\$10,000 or more	1 137	391	652	94	117	100	41	122	48	304	273	43
Median income: Families	\$7 546	\$7 059	\$7 813	\$7 063	\$6 259	\$7 571	\$5 650	\$8 111	\$8 462	\$8 563	\$6 859	\$7 450
Families and unrelated individuals	\$5 828	\$5 315	\$6 389	\$6 094	\$4 641	\$5 744	\$3 958	\$5 450	\$7 650	\$7 159	\$5 703	\$6 636
<b>RATIO OF FAMILY INCOME TO POVERTY LEVEL<sup>1</sup></b>												
Percent of families with incomes:												
Less than .50 of poverty level	7.9	8.1	8.8	0.4	11.6	4.8	12.9	1.9	19.7	6.9	9.3	0.9
.50 to .74	9.0	10.9	7.4	12.0	14.9	9.6	17.4	4.6	-	7.4	8.7	16.8
.75 to .99	8.6	12.2	6.8	5.3	14.2	12.9	15.5	10.8	7.6	5.0	8.3	5.3
1.00 to 1.24	5.7	6.3	5.4	5.3	8.9	8.4	3.9	3.5	-	4.2	7.3	-
1.25 to 1.49	6.1	5.3	6.9	4.6	2.0	3.6	8.4	12.3	3.8	5.1	8.5	-
1.50 to 1.99	13.8	11.1	14.8	18.3	11.4	12.6	3.9	8.1	3.8	14.9	15.4	19.5
2.00 or more	48.9	46.2	49.9	54.2	37.0	48.2	38.1	58.8	65.2	56.6	42.4	57.5
<b>INCOME BELOW POVERTY LEVEL<sup>1</sup></b>												
Families	885	385	450	50	161	91	71	45	36	148	266	26
Percent of all families	25.5	31.2	23.0	17.6	40.8	27.2	45.8	17.3	27.3	19.3	26.3	23.0
Mean family income	\$2 275	\$2 366	\$2 201	\$2 231	\$2 323	\$2 840	\$2 077	\$2 529	\$1 388	\$2 218	\$2 302	\$1 735
Mean income deficit	\$1 594	\$1 582	\$1 671	\$988	\$1 899	\$1 318	\$1 615	\$858	\$2 679	\$1 851	\$1 435	\$1 097
Percent receiving public assistance income	51.0	53.2	48.7	54.0	39.1	45.1	67.6	88.9	36.1	39.9	55.3	11.5
Mean size of family	4.40	4.45	4.46	3.54	4.92	4.55	4.25	3.56	5.61	4.72	4.15	2.77
With related children under 18 years	737	350	361	26	145	82	71	35	31	121	209	12
Mean number of related children under 18 years	3.31	3.07	3.54	3.54	3.10	2.96	2.96	2.06	3.42	3.86	3.37	-
With related children under 6 years	509	237	251	21	105	72	34	21	13	91	147	12
Mean number of related children under 6 years	1.65	1.68	1.66	-	1.95	1.47	1.38	-	-	1.92	1.54	-
Families with female head	538	255	264	19	82	68	71	21	12	96	147	9
With related children under 18 years	513	239	255	19	71	68	71	16	12	96	147	9
Mean number of related children under 18 years	3.30	3.02	3.60	-	3.30	3.06	2.96	-	-	4.15	3.27	-
With related children under 6 years	351	155	182	14	46	63	34	7	7	73	102	9
Percent in labor force	41.3	38.1	41.2	-	15.2	50.8	58.8	-	-	35.6	41.2	-
Mean number of related children under 6 years	1.66	1.55	1.78	-	1.52	1.54	1.38	-	-	2.15	1.55	-
Family heads	885	385	450	50	161	91	71	45	36	148	266	26
Percent 65 years and over	10.5	2.3	15.6	28.0	3.1	-	-	-	19.4	22.3	11.3	53.8
Civilian male heads under 65 years	254	121	116	17	74	23	-	24	17	19	80	3
Percent in labor force	57.9	66.1	46.6	-	58.1	-	-	-	-	-	48.8	-
Unrelated individuals	582	227	287	68	36	68	29	77	14	115	137	12
Percent of all unrelated individuals	46.9	35.2	56.6	76.4	15.1	43.6	65.9	45.6	56.0	50.2	59.1	-
Mean income	\$785	\$858	\$738	\$739	\$599	\$909	\$957	\$893	-	\$784	\$728	-
Mean income deficit	\$1 062	\$992	\$1 087	\$1 187	\$1 180	\$946	\$838	\$990	-	\$1 046	\$1 088	-
Percent receiving public assistance income	18.0	18.1	16.0	26.5	-	16.2	41.4	23.4	-	7.8	20.4	-
Percent 65 years and over	28.4	33.9	28.9	7.4	63.9	27.9	69.0	19.5	-	28.7	28.5	-
Persons	4 478	1 941	2 292	245	828	482	331	237	216	814	1 241	84
Percent of all persons	27.1	30.6	25.7	19.3	38.4	26.3	43.2	20.2	35.7	22.7	27.6	17.3
Percent receiving Social Security income	9.7	9.1	9.3	18.4	7.4	10.0	10.9	11.4	6.9	11.4	6.8	31.0
Percent 65 years and over	7.6	6.2	8.4	10.2	5.3	6.6	6.0	8.9	7.4	10.3	6.8	29.8
Percent receiving Social Security income	66.4	78.5	57.0	80.0	90.9	100.0	-	-	-	76.2	44.7	80.0
Related children under 18 years	2 505	1 099	1 269	137	447	318	217	91	104	456	709	59
Percent living with both parents	26.9	30.2	24.0	27.7	56.2	16.7	-	30.8	43.3	11.4	29.2	-
Households	1 108	473	564	71	191	121	70	66	42	188	313	26
Percent of all households	28.5	31.6	27.1	23.1	39.4	30.7	45.5	19.2	29.2	23.6	29.0	22.8
Owner occupied	447	150	257	40	82	36	19	5	24	92	141	18
Mean value of unit	\$8 700	\$9 200	\$8 400	\$8 200	\$8 700	\$9 000	-	-	-	\$9 600	\$7 800	-
Renter occupied	661	323	307	31	109	85	51	61	18	96	172	8
Mean gross rent	\$87	\$94	\$81	\$75								

Table P-7. General and Social Characteristics of Persons of Spanish Language: 1970

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

**Census Tracts With  
400 or More Persons  
of Spanish Language**

	Muskegon County			
	Total	Muskegon	Muskegon Heights	Balance
<b>AGE BY SEX</b>				
<b>Male, all ages</b> .....	<b>1 066</b>	<b>275</b>	<b>156</b>	<b>635</b>
Under 5 years .....	140	47	22	71
3 and 4 years .....	28	11	—	17
5 to 9 years .....	178	43	29	106
5 years .....	38	4	13	21
6 years .....	26	6	5	15
10 to 14 years .....	121	16	—	105
14 years .....	19	—	—	19
15 to 19 years .....	67	33	4	30
15 years .....	8	8	—	—
16 years .....	25	8	—	17
17 years .....	17	—	4	13
18 years .....	6	6	—	—
19 years .....	11	11	—	—
20 to 24 years .....	143	41	32	70
20 years .....	19	—	5	14
21 years .....	15	—	—	15
25 to 34 years .....	161	32	29	100
35 to 44 years .....	119	26	22	71
45 to 54 years .....	81	18	10	53
55 to 59 years .....	6	6	—	—
60 to 64 years .....	31	7	—	24
65 to 74 years .....	14	6	8	—
75 years and over .....	5	—	—	5
<b>Female, all ages</b> .....	<b>1 155</b>	<b>294</b>	<b>123</b>	<b>738</b>
Under 5 years .....	129	33	13	83
3 and 4 years .....	48	7	—	41
5 to 9 years .....	180	38	19	123
5 years .....	17	6	5	6
6 years .....	50	17	—	33
10 to 14 years .....	199	57	12	130
14 years .....	33	18	—	15
15 to 19 years .....	165	19	26	120
15 years .....	20	—	7	13
16 years .....	47	—	19	28
17 years .....	42	7	—	35
18 years .....	23	6	—	17
19 years .....	33	6	—	27
20 to 24 years .....	107	45	21	41
20 years .....	5	—	—	5
21 years .....	35	12	8	15
25 to 34 years .....	151	26	14	111
35 to 44 years .....	83	16	4	63
45 to 54 years .....	69	18	9	42
55 to 59 years .....	25	20	5	—
60 to 64 years .....	22	7	—	15
65 to 74 years .....	20	15	—	5
75 years and over .....	5	—	—	5
<b>RELATIONSHIP TO HEAD OF HOUSEHOLD</b>				
<b>All persons</b> .....	<b>2 221</b>	<b>569</b>	<b>279</b>	<b>1 373</b>
In households .....	2 216	569	279	1 368
Head of household .....	499	143	76	280
Head of family .....	449	113	65	271
Primary individual .....	50	30	11	9
Wife of head .....	402	103	56	243
Other relative of head .....	1 272	305	134	833
Not related to head .....	43	18	13	12
In group quarters .....	5	—	—	5
Persons per household .....	4.44	3.98	3.67	4.89
<b>TYPE OF HOUSEHOLD</b>				
<b>All households</b> .....	<b>499</b>	<b>143</b>	<b>76</b>	<b>280</b>
Male primary individual .....	26	15	11	—
Female primary individual .....	24	15	—	9
Husband-wife households .....	414	106	61	247
Households with other male head .....	24	—	4	20
Households with female head .....	11	7	—	4
<b>SCHOOL ENROLLMENT</b>				
<b>Persons, 16 to 21 years old</b> .....	<b>278</b>	<b>56</b>	<b>36</b>	<b>186</b>
Not attending school .....	147	23	25	99
Not high school graduates .....	84	12	12	60
Percent of total .....	30.2	21.4	33.3	32.3
<b>YEARS OF SCHOOL COMPLETED</b>				
<b>Persons, 25 years old and over</b> .....	<b>792</b>	<b>197</b>	<b>101</b>	<b>494</b>
No school years completed .....	49	8	9	32
Elementary: 1 to 4 years .....	93	14	5	74
5 to 7 years .....	175	58	33	84
8 years .....	58	31	—	27
High school: 1 to 3 years .....	197	44	22	131
4 years .....	149	37	21	91
College: 1 to 3 years .....	49	5	11	33
4 years or more .....	22	—	—	22
Median school years completed .....	9.3	8.6	9.5	9.7
Percent high school graduates .....	27.8	21.3	31.7	29.6
<b>RESIDENCE IN 1965</b>				
<b>Persons, 5 years old and over, 1970<sup>1</sup></b> .....	<b>1 952</b>	<b>489</b>	<b>244</b>	<b>1 219</b>
Same house as in 1970 .....	1 126	322	92	712
Different house: .....				
In central city of this SMSA .....	303	51	86	166
In other part of this SMSA .....	106	6	6	94
Outside this SMSA .....	174	45	43	86
North and West .....	72	30	15	27
South .....	102	15	28	59
Abroad .....	135	26	5	104

<sup>1</sup>Includes "Moved, 1965 residence not reported."

Table P-8. Economic Characteristics of Persons of Spanish Language: 1970

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

Census Tracts With  
400 or More Persons  
of Spanish Language

Muskegon County				
	Total	Muskegon	Muskegon Heights	Balance
<b>EMPLOYMENT STATUS AND OCCUPATION</b>				
<b>Male, 16 years old and over</b>				
Labor force	619	161	105	353
Civilian labor force	478	123	96	259
Employed	478	123	96	259
Unemployed	449	118	96	235
Not in labor force	29	5	-	24
<b>Female, 16 years old and over</b>	627	166	72	389
Labor force	224	47	18	159
Civilian labor force	224	47	18	159
Employed	205	47	18	140
Unemployed	19	-	-	19
Not in labor force	403	119	54	230
Married women in labor force, husband present	133	12	18	103
With own children under 6 years	40	7	-	33
<b>Total employed, 16 years old and over</b>	654	165	114	375
Professional, technical, and kindred workers	57	19	14	24
Managers and administrators, except farm	41	5	-	36
Sales workers	26	-	7	19
Clerical and kindred workers	37	-	-	37
Craftsmen, foremen, and kindred workers	124	35	32	57
Operatives, except transport	195	39	34	122
Transport equipment operatives	18	9	3	6
Laborers, except farm	38	10	7	21
Farm workers	18	-	5	13
Service workers, except private household	100	48	12	40
Private household workers	-	-	-	-
<b>Female employed, 16 years old and over</b>	205	47	18	140
Professional, technical, and kindred workers	26	14	-	12
Managers and administrators, except farm	16	-	-	16
Sales workers	19	-	-	19
Clerical and kindred workers	28	-	-	28
Operatives, including transport	38	-	6	32
Other blue-collar workers	8	-	8	-
Farm workers	13	-	-	13
Service workers, except private household	57	33	4	20
Private household workers	-	-	-	-
<b>FAMILY INCOME IN 1969</b>				
<b>All families</b>				
Less than \$1,000	449	113	65	271
\$1,000 to \$1,999	6	6	-	-
\$2,000 to \$2,999	7	-	-	7
\$3,000 to \$3,999	23	-	8	15
\$4,000 to \$4,999	26	6	10	10
\$5,000 to \$5,999	19	19	-	-
\$6,000 to \$6,999	30	11	3	16
\$7,000 to \$7,999	41	13	-	28
\$8,000 to \$8,999	71	-	19	52
\$9,000 to \$9,999	61	12	14	35
\$10,000 or more	34	5	-	29
Median income: Families	\$8 025	\$8 125	\$7 605	\$8 214
Families and unrelated individuals	\$7 366	\$5 525	\$5 955	\$7 942
<b>RATIO OF FAMILY INCOME TO POVERTY LEVEL<sup>1</sup></b>				
Percent of families with incomes:				
Less than .50 of poverty level	4.9	5.3	-	5.9
.50 to .74	1.3	-	-	2.2
.75 to .99	4.5	8.8	-	3.7
1.00 to 1.24	9.4	8.0	27.7	5.5
1.25 to 1.49	4.5	-	20.0	2.6
1.50 to 1.99	19.6	14.2	-	26.6
2.00 or more	55.9	63.7	52.3	53.5
<b>INCOME BELOW POVERTY LEVEL<sup>1</sup></b>				
<b>Families</b>				
Percent of all families	48	16	-	32
Mean family income	10.7	14.2	-	11.8
Mean income deficit	\$2 635	...	-	...
Percent receiving public assistance income	\$1 581	...	-	...
Mean size of family	27.1	...	-	...
With related children under 18 years	5.25	...	-	...
Mean number of related children under 18 years	42	10	-	32
With related children under 6 years	3.76	...	-	...
Mean number of related children under 6 years	42	10	-	32
Families with female head	1.00	...	-	...
With related children under 18 years	4	-	-	4
Mean number of related children under 18 years	4	-	-	4
With related children under 6 years	4	-	-	4
Mean number of related children under 6 years	4	-	-	4
Percent in labor force	...	...	-	...
Mean number of related children under 6 years	...	...	-	...
<b>Family heads</b>	48	16	-	32
Percent 65 years and over	-	-	-	-
Civilian male heads under 65 years	44	16	-	28
Percent in labor force	56.8	...	-	...
<b>Unrelated individuals</b>	57	20	16	21
Percent of all unrelated individuals	61.3	41.7	-	...
Mean income	\$538	...	-	...
Mean income deficit	\$1 325	...	-	...
Percent receiving public assistance income	22.8	...	-	...
Percent 65 years and over	31.6	...	-	...
<b>Persons</b>	309	132	16	161
Percent of all persons	13.9	23.2	5.7	11.8
Percent receiving Social Security income	6.1	10.6	-	3.1
Percent 65 years and over	5.8	6.1	-	6.2
Percent receiving Social Security income	...	...	-	...
Related children under 18 years	160	84	-	76
Percent living with both parents	79.4	100.0	-	56.6
<b>Households</b>	59	24	11	24
Percent of all households	13.8	17.6	16.7	10.6
Owner occupied	13	-	-	13
Mean value of unit	...	...	-	...
Renter occupied	46	24	11	11
Mean gross rent	\$87	...	...	...
Percent lacking some or all plumbing facilities	13.6	...	...	...

<sup>1</sup>Excludes inmates of institutions, members of the Armed Forces living in barracks, college students in dormitories, and unrelated individuals under 14 years.

**Table H-1. Occupancy, Utilization, and Financial Characteristics of Housing Units: 1970**

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

Census Tracts	Muskegon County				Muskegon								
	Total	Muskegon	Muskegon Heights	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006.01	Tract 0006.02	Tract 0007	Tract 0008
<b>All housing units</b> .....	49 895	15 925	5 539	28 431	587	821	1 719	2 294	2 519	828	1 648	224	1 585
Vacant—seasonal and migratory.....	674	26	5	643	—	—	1	3	—	—	5	—	1
<b>All year-round housing units</b> .....	49 221	15 899	5 534	27 788	587	821	1 718	2 291	2 519	828	1 643	224	1 584
<b>TENURE, RACE, AND VACANCY STATUS</b>													
Owner occupied.....	37 035	10 057	3 660	23 318	384	446	1 045	1 945	1 505	473	555	6	1 006
Cooperative and condominium.....	129	118	11	—	—	—	11	5	—	—	7	—	8
White.....	34 324	9 142	2 174	23 008	362	140	779	1 902	1 401	467	403	6	1 000
Negro.....	2 592	877	1 479	236	20	306	262	32	95	5	150	—	4
Renter occupied.....	9 996	4 877	1 871	3 478	167	285	527	304	873	300	862	183	495
White.....	8 326	4 115	1 854	3 357	155	49	327	297	784	294	678	165	490
Negro.....	1 590	718	775	97	10	234	196	4	76	3	174	14	4
Vacant year-round.....	2 190	965	233	992	36	90	146	42	141	55	226	35	83
For sale only.....	331	137	56	138	6	11	24	15	28	5	15	—	10
Vacant less than 6 months.....	221	93	32	96	3	9	17	10	21	4	12	—	6
Median price asked.....	\$10 200	\$9 400	\$8 600	\$13 200	\$12 500	\$7 100	\$7 700	\$9 000	\$8 400	...	\$9 600	—	\$11 300
For rent.....	759	452	93	214	19	31	52	10	72	27	151	16	45
Vacant less than 2 months.....	303	189	33	81	15	9	28	8	46	16	28	8	23
Median rent asked.....	\$76	\$75	\$69	\$87	\$145	\$62	\$69	\$67	\$76	\$73	\$79	\$65	\$77
Other.....	1 100	376	84	640	11	48	70	17	41	23	60	19	28
<b>LACKING SOME OR ALL PLUMBING FACILITIES</b>													
All units.....	1 790	717	136	937	5	44	100	68	127	19	143	126	35
Owner occupied.....	884	204	61	619	4	11	33	44	45	8	14	1	14
Negro.....	72	22	15	35	—	4	10	—	3	—	5	—	—
Renter occupied.....	625	419	64	142	1	14	52	21	63	7	115	110	18
Negro.....	108	71	16	21	—	10	29	—	2	—	20	10	—
Vacant year-round.....	281	94	11	176	—	19	15	3	19	4	14	15	3
For sale only.....	14	5	—	9	—	1	—	1	2	—	—	—	1
For rent.....	65	43	8	14	—	7	9	—	11	3	7	4	—
<b>COMPLETE KITCHEN FACILITIES AND ACCESS</b>													
Lacking complete kitchen facilities.....	790	365	74	351	10	35	60	7	17	25	45	132	27
Access only through other living quarters.....	22	17	4	1	—	1	1	1	3	1	7	—	2
<b>ROOMS</b>													
1 room.....	422	298	27	97	1	1	13	3	16	4	124	123	6
2 rooms.....	858	473	139	246	6	18	42	16	66	34	212	20	37
3 rooms.....	3 285	1 526	569	1 190	38	92	154	81	313	99	285	34	153
4 rooms.....	10 739	3 495	1 386	5 858	202	171	351	559	541	133	261	30	306
5 rooms.....	15 665	4 757	1 695	9 213	204	238	480	931	700	175	307	10	470
6 rooms.....	10 140	2 925	1 047	6 168	92	165	360	469	436	154	203	5	322
7 rooms.....	4 709	1 414	420	2 875	30	73	191	151	262	126	132	—	167
8 rooms.....	2 083	637	162	1 284	8	38	91	62	118	61	66	—	76
9 rooms or more.....	1 320	374	89	857	6	25	36	19	67	42	53	2	47
Median.....	5.1	5.0	4.9	5.2	4.7	5.0	5.1	5.0	5.0	5.3	4.3	1.4	5.1
<b>All occupied housing units</b> .....	47 031	14 934	5 301	26 796	551	731	1 572	2 249	2 378	773	1 417	189	1 501
<b>PERSONS</b>													
1 person.....	7 268	3 430	1 021	2 817	78	136	378	299	597	220	572	167	357
2 persons.....	13 167	4 571	1 532	7 064	179	191	432	719	753	245	370	17	504
3 persons.....	7 673	2 339	852	4 482	95	114	247	366	339	117	183	3	236
4 persons.....	7 443	1 868	699	4 876	95	84	183	377	258	74	113	1	167
5 persons.....	5 144	1 210	421	3 513	54	69	116	243	181	48	63	1	102
6 persons or more.....	6 336	1 516	776	4 044	50	137	216	245	250	69	116	—	135
Median, all occupied units.....	2.9	2.4	2.6	3.3	2.7	2.8	2.4	2.8	2.3	2.2	1.9	1.1	2.3
Median, owner occupied units.....	3.1	2.5	2.7	3.4	2.8	2.8	2.4	2.8	2.4	2.3	2.3	1.3	2.4
Median, renter occupied units.....	2.4	2.1	2.4	2.8	2.6	2.8	2.5	2.9	2.1	2.0	1.5	1.1	2.1
Units with roomers, boarders, or lodgers.....	759	332	178	249	7	43	52	22	74	13	61	3	20
<b>PERSONS PER ROOM</b>													
1.00 or less.....	42 625	13 881	4 659	24 085	513	611	1 418	2 072	2 229	730	1 323	187	1 425
1.01 to 1.50.....	3 618	883	481	2 254	33	83	124	163	122	38	73	1	69
1.51 or more.....	788	170	161	457	5	37	30	14	27	5	21	1	7
Units with all plumbing facilities—1.01 or more.....	4 228	1 008	630	2 590	38	117	139	175	143	41	83	1	74
<b>VALUE</b>													
Specified owner occupied units <sup>1</sup> .....	31 989	9 013	3 343	19 633	376	374	901	1 895	1 335	398	421	—	859
Less than \$5,000.....	1 225	247	150	828	2	32	58	44	33	1	13	—	18
\$5,000 to \$7,499.....	3 305	1 002	561	1 742	29	105	197	167	128	24	67	—	87
\$7,500 to \$9,999.....	5 650	2 175	1 033	2 442	71	119	319	421	453	91	120	—	207
\$10,000 to \$14,999.....	9 664	3 414	1 213	5 037	168	100	269	732	589	181	161	—	356
\$15,000 to \$19,999.....	6 030	1 329	316	4 385	70	13	48	360	91	64	48	—	130
\$20,000 to \$24,999.....	3 099	478	49	2 572	20	3	7	122	24	19	8	—	40
\$25,000 to \$34,999.....	1 982	262	16	1 704	10	2	3	38	14	9	2	—	17
\$35,000 to \$49,999.....	711	84	4	623	6	—	—	9	2	9	1	—	2
\$50,000 or more.....	323	22	1	300	—	—	—	2	1	—	1	—	2
Median.....	\$12 600	\$11 300	\$9 800	\$14 800	\$12 100	\$8 600	\$9 000	\$11 800	\$10 400	\$11 900	\$10 200	—	\$11 300
<b>CONTRACT RENT</b>													
Specified renter occupied units <sup>2</sup> .....	9 617	4 862	1 620	3 135	166	282	526	302	870	300	861	183	494
Less than \$30.....	187	74	22	91	1	4	3	6	11	12	19	—	8
\$30 to \$39.....	252	99	101	52	—	6	17	6	16	4	27	5	7
\$40 to \$59.....	1 511	813	306	392	3	72	114	40	129	56	163	71	77
\$60 to \$79.....	3 392	1 836	699	857	9	141	226	93	317	109	294	83	160
\$80 to \$99.....	1 706	1 011	296	399	6	40	109	72	248	61	243	18	95
\$100 to \$149.....	1 368	713	123	532	113	11	36	54	106	33	97	1	98
\$150 to \$199.....	595	100	7	488	29	—	2	4	8	1	3	—	23
\$200 to \$249.....	32	4	—	28	—	—	—	—	—	1	—	—	1
\$250 or more.....	15	8	—	7	—	—	—	—	1	—	1	—	6
No cash rent.....	559	204	66	289	5	8	19	27	34	23	14	5	19
Median.....	\$75	\$74	\$70	\$81	\$133	\$66	\$69	\$79	\$77	\$72	\$75	\$62	\$78

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

Table H-1. **Occupancy, Utilization, and Financial Characteristics of Housing Units: 1970—Continued**

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

Census Tracts	Muskegon—Con.			Muskegon Heights					Balance of Muskegon County				
	Tract 0009	Tract 0010	Tract 0021	Tract 0011	Tract 0012	Tract 0013	Tract 0014.01	Tract 0014.02	Tract 0001	Tract 0004	Tract 0015	Tract 0016	Tract 0017
All housing units	1 682	581	1 437	328	1 466	1 243	622	1 880	49	12	1 469	610	973
Vacant—seasonal and migratory	2	12	2	—	1	—	1	3	—	—	4	43	5
All year-round housing units	1 680	569	1 435	328	1 465	1 243	621	1 877	49	12	1 465	567	968
<b>TENURE, RACE, AND VACANCY STATUS</b>													
Owner occupied	1 362	421	909	186	995	742	354	1 383	37	8	1 133	500	880
Cooperative and condominium	6	—	81	5	—	6	—	—	—	—	—	—	—
White	1 359	419	904	82	377	28	315	1 372	35	8	1 132	500	879
Negro	—	1	2	102	617	714	38	8	—	—	—	—	—
Renter occupied	277	125	479	123	385	461	242	430	9	4	266	51	72
White	277	125	474	64	142	10	215	423	9	3	265	51	72
Negro	—	—	3	58	241	450	24	2	—	1	—	—	—
Vacant year-round	41	23	47	19	85	40	25	64	3	—	66	16	16
For sale only	4	6	13	2	23	5	10	16	3	—	14	2	2
Vacant less than 6 months	—	3	8	—	15	4	8	4	—	—	11	—	—
Median price asked	—	\$12 500	\$12 500	—	\$9 000	—	\$8 100	\$8 900	—	—	\$25 000	—	—
For rent	—	12	6	—	10	40	18	6	—	—	21	7	—
Vacant less than 2 months	—	—	—	—	—	—	—	—	—	—	17	—	—
Median rent asked	—	\$85	\$60	—	\$73	\$60	\$71	\$65	—	—	\$172	\$78	\$55
Other	—	25	11	—	22	17	9	29	—	—	31	7	8
<b>LACKING SOME OR ALL PLUMBING FACILITIES</b>													
All units	25	4	21	20	38	16	22	40	1	—	9	14	13
Owner occupied	15	3	12	9	14	10	10	18	1	—	5	12	11
Negro	—	—	—	4	5	6	—	—	—	—	—	—	—
Renter occupied	8	1	9	8	20	5	12	19	—	—	3	1	1
Negro	—	—	—	3	10	3	—	—	—	—	—	—	—
Vacant year-round	2	—	—	3	4	1	—	3	—	—	1	—	—
For sale only	—	—	—	—	—	—	—	—	—	—	—	—	—
For rent	2	—	—	2	4	—	—	2	—	—	—	—	—
<b>COMPLETE KITCHEN FACILITIES AND ACCESS</b>													
Lacking complete kitchen facilities	4	2	1	6	13	10	18	27	2	—	7	2	—
Access only through other living quarters	1	—	—	—	2	1	1	—	—	—	—	—	—
<b>ROOMS</b>													
1 room	4	1	2	1	8	3	8	7	1	—	8	—	1
2 rooms	10	4	8	8	29	22	52	28	—	—	23	3	7
3 rooms	121	42	114	58	136	106	100	169	2	3	91	16	25
4 rooms	384	120	437	91	279	307	163	546	20	4	225	91	109
5 rooms	580	168	494	82	398	429	169	617	9	4	350	192	349
6 rooms	358	125	236	54	335	244	88	326	7	1	316	144	264
7 rooms	124	61	97	24	160	87	29	120	5	—	198	80	127
8 rooms	61	23	33	5	71	30	7	49	2	—	130	26	58
9 rooms or more	38	25	14	5	49	15	5	15	3	—	124	15	26
Median	5.1	5.2	4.8	4.6	5.2	4.9	4.4	4.8	4.7	4.3	5.6	5.4	5.5
All occupied housing units	1 639	546	1 388	309	1 380	1 203	596	1 813	46	12	1 399	551	952
<b>PERSONS</b>													
1 person	290	103	233	70	241	146	195	369	8	2	208	43	75
2 persons	530	176	455	83	366	307	155	621	12	2	478	154	218
3 persons	283	80	276	50	218	201	93	290	7	2	232	90	174
4 persons	240	84	192	35	173	173	70	248	7	3	216	105	204
5 persons	153	55	125	32	105	103	34	147	6	1	155	81	156
6 persons or more	143	48	107	39	277	273	49	138	6	2	110	78	125
Median, all occupied units	2.5	2.5	2.5	2.5	2.9	3.2	2.2	2.4	2.9	3.5	2.6	3.4	3.5
Median, owner occupied units	2.7	2.6	2.6	3.0	3.2	2.9	2.5	2.4	2.8	3.5	2.9	3.4	3.4
Median, renter occupied units	2.1	2.2	2.5	2.0	2.4	3.7	1.4	2.1	3.3	—	1.9	3.0	3.1
Units with roomers, boarders, or lodgers	18	7	12	20	56	59	9	34	—	—	8	7	2
<b>PERSONS PER ROOM</b>													
1.00 or less	1 542	524	1 307	266	1 197	949	548	1 699	43	9	1 363	509	872
1.01 to 1.50	88	19	70	30	131	189	34	97	2	2	30	41	70
1.51 or more	9	3	11	13	52	65	14	17	1	1	6	1	10
Units with all plumbing facilities—1.01 or more	95	22	80	40	180	251	46	113	3	3	35	42	76
<b>VALUE</b>													
Specified owner occupied units <sup>1</sup>	1 273	390	791	161	872	674	324	1 312	35	7	1 105	432	803
Less than \$5,000	19	8	19	13	21	39	15	62	3	—	4	11	12
\$5,000 to \$7,499	95	24	79	60	143	151	46	161	8	2	13	34	19
\$7,500 to \$9,999	231	27	116	49	274	193	113	404	5	1	35	42	45
\$10,000 to \$14,999	523	82	253	34	334	202	100	543	14	3	172	113	171
\$15,000 to \$19,999	269	74	162	4	82	64	42	124	3	—	248	96	210
\$20,000 to \$24,999	84	73	78	—	13	15	5	16	1	1	185	71	151
\$25,000 to \$34,999	41	73	53	—	4	8	2	2	—	—	211	51	131
\$35,000 to \$49,999	7	25	23	1	1	1	1	—	—	—	124	12	57
\$50,000 or more	4	8	—	—	—	—	—	—	—	—	113	2	7
Median	\$12 500	\$18 800	\$13 600	\$7 900	\$10 000	\$9 400	\$9 700	\$10 200	\$10 900	\$10 600	\$22 200	\$15 900	\$18 500
<b>CONTRACT RENT</b>													
Specified renter occupied units <sup>2</sup>	276	125	477	120	379	450	242	429	9	—	263	45	60
Less than \$30	6	1	3	—	7	2	6	7	—	—	—	—	—
\$30 to \$39	3	—	7	—	—	—	—	—	—	—	—	—	—
\$40 to \$59	47	20	21	38	72	78	61	66	—	—	2	—	—
\$60 to \$79	100	28	276	56	142	265	57	179	2	—	7	6	5
\$80 to \$99	50	26	43	10	97	67	22	100	4	—	31	10	15
\$100 to \$149	45	23	96	7	35	7	20	54	1	—	25	11	11
\$150 to \$199	—	9	18	—	—	—	—	—	—	—	70	—	7
\$200 to \$249	3	1	1	—	—	3	1	3	—	—	7	1	—
\$250 or more	—	—	—	—	—	—	—	—	—	—	6	—	—
No cash rent	22	16	12	4	15	10	12	25	—	—	7	7	7
Median	\$74	\$83	\$70	\$65	\$74	\$69	\$54	\$75	\$76	—	\$134	\$83	\$86

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

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



Table H-1. Occupancy, Utilization, and Financial Characteristics of Housing Units: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.												
	Tract 0018	Tract 0019.01	Tract 0019.02	Tract 0020	Tract 0022	Tract 0023	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029
All housing units	748	608	1 609	853	1 291	1 923	845	1 778	1 165	834	1 629	1 211	1 189
Vacant—seasonal and migratory	—	—	3	1	—	9	8	76	1	9	—	9	—
All year-round housing units	748	608	1 606	852	1 291	1 914	837	1 702	1 164	825	1 629	1 202	1 189
<b>TENURE, RACE, AND VACANCY STATUS</b>													
Owner occupied	633	511	1 336	728	979	1 784	689	1 586	965	706	1 430	1 018	1 033
Cooperative and condominium	—	—	—	—	—	—	—	—	—	—	—	—	—
White	540	506	1 334	721	977	1 779	657	1 582	954	705	1 423	1 015	1 030
Negro	90	4	—	1	1	3	31	2	3	—	1	—	2
Renter occupied	99	83	238	97	270	92	131	87	170	98	178	140	117
White	64	80	235	97	269	89	123	87	167	97	176	139	115
Negro	35	2	2	—	1	—	8	—	1	—	—	—	1
Vacant year-round	16	14	32	27	42	38	17	29	29	21	21	44	39
For sale only	1	2	7	5	6	16	3	7	10	8	5	3	8
Vacant less than 6 months	...	...	6	5	5	15	...	5	6	4	5	...	3
Median price asked	...	...	\$13 100	\$13 800	\$19 400	\$23 600	...	\$30 000	\$7 800	\$9 200	\$18 800	...	\$7 500
For rent	3	1	8	12	33	5	2	7	8	4	2	4	5
Vacant less than 2 months	...	...	5	1	20	—	...	3	2	...	...	...	3
Median rent asked	...	...	\$160	\$74	\$175	\$158	...	\$110	\$80	...	...	...	...
Other	12	11	17	10	3	17	12	15	11	9	14	37	26
<b>LACKING SOME OR ALL PLUMBING FACILITIES</b>													
All units	32	26	21	34	15	20	18	10	23	16	29	28	78
Owner occupied	20	18	17	27	14	18	15	8	14	9	20	21	57
Negro	15	—	—	—	—	—	—	—	—	—	—	—	—
Renter occupied	9	4	3	3	—	1	3	—	6	4	5	1	7
Negro	8	—	—	—	—	—	—	—	—	—	—	—	—
Vacant year-round	3	4	1	4	1	1	—	2	3	3	4	6	14
For sale only	—	—	—	—	—	—	—	—	1	—	—	—	2
For rent	—	—	—	—	—	—	—	1	—	—	—	—	2
<b>COMPLETE KITCHEN FACILITIES AND ACCESS</b>													
Lacking complete kitchen facilities	11	4	11	8	3	3	1	10	8	5	16	19	20
Access only through other living quarters	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>ROOMS</b>													
1 room	1	6	2	1	—	1	1	3	7	13	5	2	5
2 rooms	5	7	9	5	1	7	3	6	16	12	8	15	11
3 rooms	31	25	60	32	34	43	48	18	90	31	54	46	42
4 rooms	136	170	459	228	167	224	165	243	455	250	297	276	220
5 rooms	289	222	585	335	642	645	234	584	363	281	661	382	402
6 rooms	171	130	344	163	297	494	174	463	154	155	389	271	280
7 rooms	78	31	101	63	98	259	111	213	66	60	139	128	132
8 rooms	25	11	32	16	36	157	69	102	8	12	49	53	56
9 rooms or more	12	6	14	9	16	84	32	70	5	11	27	29	41
Median	5.2	4.9	5.0	5.0	5.2	5.6	5.4	5.5	4.5	4.9	5.2	5.2	5.3
All occupied housing units	732	594	1 574	825	1 249	1 876	820	1 673	1 135	804	1 608	1 158	1 150
<b>PERSONS</b>													
1 person	63	52	160	76	131	119	106	111	181	86	120	129	112
2 persons	172	120	428	200	383	400	258	470	371	215	353	309	265
3 persons	144	112	292	157	220	297	134	289	180	162	255	194	168
4 persons	121	113	315	146	232	446	136	312	171	136	353	196	203
5 persons	110	89	181	105	154	328	91	241	83	108	244	155	160
6 persons or more	122	108	198	141	129	286	95	250	149	102	283	175	242
Median, all occupied units	3.4	3.6	3.2	3.4	3.0	3.8	2.8	3.4	2.6	3.1	3.7	3.2	3.6
Median, owner occupied units	3.5	3.7	3.3	3.4	3.5	3.8	3.0	3.4	2.5	3.2	3.8	3.3	3.7
Median, renter occupied units	3.1	3.3	2.8	3.2	2.1	3.4	2.4	3.2	3.1	2.9	3.1	2.7	3.5
Units with roomers, boarders, or lodgers	10	7	22	9	9	4	11	11	15	9	10	10	6
<b>PERSONS PER ROOM</b>													
1.00 or less	643	495	1 429	711	1 188	1 743	774	1 544	996	713	1 402	1 047	975
1.01 to 1.50	74	80	126	95	53	118	41	117	103	80	187	91	145
1.51 or more	15	19	19	19	8	15	5	12	36	11	19	20	30
Units with all plumbing facilities—1.01 or more	85	94	145	110	61	133	43	129	133	88	201	107	161
<b>VALUE</b>													
Specified owner occupied units <sup>1</sup>	580	483	1 311	666	968	1 667	609	1 543	711	576	1 316	741	650
Less than \$5,000	20	36	41	43	1	20	14	6	64	18	30	36	58
\$5,000 to \$7,499	45	73	122	107	3	29	23	29	172	39	90	58	59
\$7,500 to \$9,999	78	96	240	147	17	55	49	77	177	115	133	105	101
\$10,000 to \$14,999	142	128	464	221	224	289	96	325	184	206	385	194	205
\$15,000 to \$19,999	162	90	321	114	328	427	116	421	75	144	366	177	140
\$20,000 to \$24,999	97	50	98	25	268	383	108	277	23	40	212	90	65
\$25,000 to \$34,999	34	10	21	8	118	284	111	261	12	13	82	50	15
\$35,000 to \$49,999	2	—	4	1	7	141	56	97	3	—	16	20	7
\$50,000 or more	—	—	—	—	2	39	36	50	1	1	2	11	—
Median	\$15 200	\$11 200	\$12 700	\$10 700	\$18 600	\$20 200	\$20 300	\$19 000	\$9 200	\$12 700	\$15 300	\$14 300	\$12 700
<b>CONTRACT RENT</b>													
Specified renter occupied units <sup>2</sup>	92	72	237	95	270	90	129	83	165	86	161	114	84
Less than \$30	2	—	5	—	1	3	3	4	5	2	3	7	5
\$30 to \$39	2	1	1	1	—	—	—	1	3	1	1	5	4
\$40 to \$59	23	11	15	14	1	—	7	8	28	10	25	7	17
\$60 to \$79	25	31	56	40	3	17	30	18	79	27	50	37	33
\$80 to \$99	6	11	28	16	4	14	10	11	25	15	29	23	5
\$100 to \$149	18	11	50	10	25	15	21	22	13	19	32	14	7
\$150 to \$199	3	2	63	1	231	28	39	6	1	6	11	4	—
\$200 to \$249	—	—	2	—	—	4	—	—	—	—	1	—	—
\$250 or more	—	—	—	—	—	—	—	—	—	—	—	—	—
No cash rent	13	5	17	13	5	9	12	8	11	6	9	16	13
Median	\$70	\$74	\$105	\$74	\$171	\$122	\$110	\$87	\$68	\$80	\$79	\$77	\$66

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

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

Table H-1. Occupancy, Utilization, and Financial Characteristics of Housing Units: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.											Totals for split tracts	
	Tract 0030	Tract 0031	Tract 0032	Tract 0033	Tract 0034	Tract 0035	Tract 0036	Tract 0037	Tract 0038	Tract 0039	Tract 0040	Tract 0001	Tract 0004
All housing units	983	815	1 050	911	915	676	938	1 558	1 082	378	329	636	2 306
Vacant—seasonal and migratory	48	—	14	88	1	34	27	73	59	30	101	—	3
All year-round housing units	935	815	1 036	823	914	642	911	1 485	1 023	348	228	636	2 303
<b>TENURE, RACE, AND VACANCY STATUS</b>													
Owner occupied	746	680	834	623	782	552	642	1 189	822	295	197	421	1 953
Cooperative and condominium	—	—	—	—	—	—	—	—	—	—	—	—	—
White	743	669	818	619	759	550	585	1 186	821	291	190	397	1 910
Negro	3	8	10	1	19	1	51	2	—	1	2	20	32
Renter occupied	142	80	166	99	111	73	125	258	152	41	29	176	308
White	140	76	166	99	107	72	84	254	152	41	28	164	300
Negro	1	2	—	—	3	—	39	—	—	—	1	10	5
Vacant year-round	47	55	36	101	21	17	144	38	49	12	2	39	42
For sale only	6	4	3	4	2	2	5	4	6	—	—	9	15
Vacant less than 6 months	2	—	—	—	—	—	2	—	—	—	—	4	10
Median price asked	—	—	—	—	—	—	—	—	\$17 500	—	—	\$7 100	\$9 000
For rent	7	20	6	10	14	3	2	12	10	2	—	19	10
Vacant less than 2 months	1	2	2	8	1	—	—	—	—	—	—	15	8
Median rent asked	—	\$74	\$70	\$65	\$67	—	—	\$93	\$68	—	—	\$145	\$67
Other	34	31	27	87	5	12	137	22	33	10	2	11	17
<b>LACKING SOME OR ALL PLUMBING FACILITIES</b>													
All units	91	72	72	68	64	24	82	29	13	19	16	6	68
Owner occupied	57	47	33	38	49	20	34	20	12	12	10	5	44
Negro	—	1	1	—	10	—	8	—	—	—	—	—	—
Renter occupied	25	1	11	9	8	3	13	9	1	5	6	—	21
Negro	—	—	—	—	—	—	8	—	—	—	—	—	3
Vacant year-round	9	24	28	21	7	1	35	—	—	2	—	—	1
For sale only	1	—	—	—	—	—	1	—	—	—	—	—	—
For rent	—	—	4	—	5	—	—	—	—	—	—	—	—
<b>COMPLETE KITCHEN FACILITIES AND ACCESS</b>													
Lacking complete kitchen facilities	30	29	44	30	13	6	20	17	17	10	5	12	7
Access only through other living quarters	—	—	—	—	—	—	1	—	—	—	—	—	1
<b>ROOMS</b>													
1 room	3	2	3	6	2	1	1	12	4	4	2	2	3
2 rooms	13	3	5	15	10	7	14	22	7	4	8	6	16
3 rooms	34	35	41	60	49	21	89	83	46	26	15	40	84
4 rooms	170	243	304	181	233	149	239	313	162	66	59	222	563
5 rooms	214	297	378	234	292	183	273	372	282	88	71	213	935
6 rooms	237	163	207	184	196	128	170	316	239	69	40	99	470
7 rooms	146	44	70	84	75	90	64	204	143	45	21	35	151
8 rooms	64	22	19	42	33	30	33	92	77	24	6	10	62
9 rooms or more	54	6	9	17	24	33	28	71	63	22	6	9	19
Median	5.6	4.9	4.9	5.1	5.1	5.3	4.9	5.3	5.5	5.3	4.9	4.7	5.0
All occupied housing units	888	760	1 000	722	893	625	767	1 447	974	336	226	597	2 261
<b>PERSONS</b>													
1 person	97	67	111	86	94	59	102	235	126	35	23	86	301
2 persons	215	160	228	188	230	154	210	441	277	87	66	191	721
3 persons	137	127	153	109	143	125	114	221	158	47	39	102	368
4 persons	146	155	180	109	159	100	112	243	149	60	48	102	380
5 persons	113	101	148	96	118	73	94	143	115	49	20	60	244
6 persons or more	180	150	180	134	149	114	135	164	149	58	30	56	247
Median, all occupied units	3.5	3.7	3.5	3.3	3.4	3.3	3.1	2.7	3.0	3.5	3.1	2.7	2.8
Median, owner occupied units	3.5	3.7	3.6	3.3	3.4	3.3	3.1	2.8	3.2	3.6	3.1	2.8	2.8
Median, renter occupied units	3.2	3.6	3.5	3.5	3.1	3.2	3.4	2.4	2.5	2.9	3.2	2.6	2.9
Units with roomers, boarders, or lodgers	7	9	15	5	9	5	9	25	12	2	1	7	22
<b>PERSONS PER ROOM</b>													
1.00 or less	768	644	833	615	792	546	661	1 358	906	301	205	556	2 081
1.01 to 1.50	98	94	128	84	80	71	76	68	56	29	15	35	165
1.51 or more	22	22	39	23	21	8	30	21	12	6	6	6	15
Units with all plumbing facilities—1.01 or more	102	111	158	93	97	76	100	87	66	32	19	41	178
<b>VALUE</b>													
Specified owner occupied units <sup>1</sup>	296	548	757	370	538	387	569	951	714	156	144	411	1 902
Less than \$5,000	40	49	64	47	34	23	73	26	26	10	19	5	44
\$5,000 to \$7,499	48	109	153	83	76	44	136	64	57	13	34	37	169
\$7,500 to \$9,999	50	148	186	76	99	61	93	86	90	19	16	76	422
\$10,000 to \$14,999	75	165	217	98	162	114	125	261	218	39	27	182	735
\$15,000 to \$19,999	61	58	89	34	107	73	83	214	165	46	17	73	360
\$20,000 to \$24,999	13	16	31	27	48	16	33	128	87	16	12	21	123
\$25,000 to \$34,999	7	3	15	4	12	26	23	131	50	9	12	10	38
\$35,000 to \$49,999	1	—	2	1	—	20	3	28	13	2	5	7	9
\$50,000 or more	1	—	—	—	—	10	—	13	8	2	2	—	2
Median	\$10 500	\$9 500	\$9 700	\$9 300	\$11 600	\$12 200	\$9 500	\$15 800	\$14 000	\$14 600	\$10 500	\$12 100	\$11 800
<b>CONTRACT RENT</b>													
Specified renter occupied units <sup>2</sup>	82	69	161	70	95	50	114	249	139	27	18	175	306
Less than \$30	13	1	5	4	4	1	7	10	3	1	1	1	6
\$30 to \$39	6	1	2	4	1	—	6	4	—	—	2	—	4
\$40 to \$59	20	10	35	14	26	10	42	28	13	4	4	5	40
\$60 to \$79	18	25	58	26	29	22	33	81	47	7	3	13	95
\$80 to \$99	2	15	20	7	13	5	8	51	26	4	1	8	73
\$100 to \$149	1	10	23	2	14	4	7	49	28	2	2	114	55
\$150 to \$199	—	2	2	—	—	1	1	6	2	—	—	29	4
\$200 to \$249	—	—	1	—	—	—	—	—	1	1	—	—	—
\$250 or more	—	—	—	—	1	—	—	—	—	—	—	—	—
No cash rent	22	5	15	13	7	7	10	20	19	8	5	5	27
Median	\$54	\$76	\$70	\$64	\$68	\$72	\$59	\$78	\$79	\$66	\$58	\$131	\$79

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

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

Table H-2. Structural, Equipment, and Financial Characteristics of Housing Units: 1970

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

Census Tracts	Muskegon County				Muskegon								
	Total	Muskegon	Muskegon Heights	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006.01	Tract 0006.02	Tract 0007	Tract 0008
All year-round housing units	49 228	15 898	5 536	27 794	581	827	1 715	2 294	2 519	849	1 627	228	1 576
<b>UNITS IN STRUCTURE</b>													
1 (includes mobile home or trailer)	42 111	11 238	4 305	26 568	432	577	1 199	2 199	1 709	530	650	4	1 056
2	3 113	2 206	539	368	13	150	318	77	445	206	344	11	330
3 and 4	1 630	1 102	363	165	9	78	119	14	233	83	248	12	93
5 to 49	1 908	998	225	685	123	22	79	4	132	30	208	39	97
50 or more	466	354	104	8	4	-	-	-	-	-	177	162	-
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970	1 207	286	118	803	90	-	-	6	-	-	165	-	5
1965 to 1968	3 348	284	69	2 995	87	-	-	44	-	-	35	-	28
1960 to 1964	4 113	604	263	3 246	60	4	17	143	10	-	10	-	53
1950 to 1959	10 516	1 385	733	8 398	55	27	28	542	72	9	17	-	97
1940 to 1949	9 448	2 655	1 044	5 749	94	147	158	421	314	74	144	-	201
1939 or earlier	20 596	10 684	3 309	6 603	195	649	1 512	1 138	2 123	766	1 256	228	1 192
<b>HEATING EQUIPMENT</b>													
Steam or hot water	3 930	1 428	333	2 169	16	27	129	81	213	115	269	191	148
Warm air furnace	32 719	10 685	3 576	18 458	475	452	984	1 815	1 772	579	786	27	1 067
Built-in electric units	1 055	269	134	652	7	-	19	9	12	6	181	-	15
Floor, wall, or pipeless furnace	3 395	1 062	412	1 921	19	51	169	118	109	49	112	-	123
Other means or not heated	8 129	2 454	1 081	4 594	64	297	414	271	413	100	279	10	223
<b>BASEMENT</b>													
All units with basement	35 698	13 338	4 776	17 584	530	651	1 364	1 963	2 285	790	1 350	223	1 317
One-family houses with basement	30 214	9 572	3 751	16 891	393	468	958	1 872	1 539	490	567	4	892
<b>SELECTED EQUIPMENT</b>													
With more than 1 bathroom	10 400	2 864	895	6 641	100	132	194	418	397	228	225	7	288
With public water supply	31 097	15 690	5 516	9 891	544	821	1 715	2 188	2 519	840	1 636	236	1 568
With public sewer	26 245	15 707	5 491	5 047	568	807	1 706	2 219	2 519	840	1 636	236	1 568
With air conditioning	3 880	1 332	311	2 237	177	84	89	185	256	45	110	13	141
Room unit(s)	3 070	1 149	223	1 698	133	59	89	168	195	39	105	13	122
Central system	810	183	88	539	44	25	-	17	61	6	5	-	19
All occupied housing units	47 031	14 934	5 301	26 796	568	714	1 572	2 249	2 378	814	1 376	215	1 475
<b>YEAR MOVED INTO UNIT</b>													
1968 to March 1970	11 910	4 060	1 455	6 395	189	173	478	367	665	242	548	125	457
1965 to 1967	8 556	2 293	798	5 465	72	139	170	419	379	107	193	44	291
1960 to 1964	7 888	2 195	735	4 958	83	179	226	344	368	65	171	8	158
1950 to 1959	10 143	3 022	1 104	6 017	96	122	240	585	382	144	246	25	231
1949 or earlier	8 534	3 364	1 209	3 961	128	101	458	534	584	256	218	13	338
<b>AUTOMOBILES AVAILABLE</b>													
1	23 842	8 183	2 864	12 795	344	391	866	1 227	1 307	393	821	58	780
2	15 508	3 498	1 175	10 835	153	121	270	666	527	177	170	6	350
3 or more	2 562	588	154	1 820	36	-	66	131	71	46	16	-	71
None	5 119	2 665	1 108	1 346	35	202	370	225	473	198	389	151	274
<b>GROSS RENT</b>													
Specified renter occupied units <sup>1</sup>	9 587	4 856	1 615	3 116	171	277	527	304	869	345	812	197	473
Less than \$40	173	64	80	29	-	-	6	-	10	-	38	-	4
\$40 to \$59	665	408	174	83	-	24	39	18	75	36	118	61	4
\$60 to \$79	1 873	1 135	387	351	4	68	150	46	193	82	222	87	99
\$80 to \$99	2 366	1 279	367	720	4	64	114	55	266	95	210	49	115
\$100 to \$149	2 952	1 490	482	980	149	113	193	117	235	83	207	-	172
\$150 to \$199	916	243	60	613	14	8	4	34	42	19	17	-	46
\$200 to \$249	106	20	5	81	-	-	-	-	5	-	-	-	-
\$250 or more	40	7	5	28	-	-	-	-	7	-	-	-	-
No cash rent	496	210	55	231	-	-	21	34	36	30	-	-	33
Median	\$95	\$91	\$86	\$108	\$130	\$95	\$88	\$105	\$91	\$87	\$83	\$65	\$100
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>													
Specified renter occupied units <sup>1</sup>	9 587	4 856	1 615	3 116	171	277	527	304	869	345	812	197	473
Less than \$5,000	3 860	2 138	833	889	17	186	268	86	338	153	478	130	188
Less than 20 percent	224	124	71	29	-	6	-	-	16	10	44	28	10
20 to 24 percent	289	176	67	46	-	10	17	16	20	25	44	11	11
25 to 34 percent	700	381	139	180	3	33	34	5	48	23	124	33	23
35 percent or more	2 284	1 264	504	516	14	137	192	65	199	79	256	58	114
Not computed	363	193	52	118	-	-	25	-	55	16	10	-	30
Median	35.0+	35.0+	35.0+	35.0+	...	35.0+	35.0+	35.0+	35.0+	35.0+	35.0+	32.9	35.0+
\$5,000 to \$9,999	3 799	1 904	570	1 325	80	64	159	142	371	152	248	62	215
Less than 20 percent	2 622	1 397	400	825	48	27	128	75	301	110	192	55	147
20 to 24 percent	642	322	88	232	21	30	21	26	56	17	45	7	35
25 to 34 percent	307	110	57	140	11	7	10	17	10	10	11	-	12
35 percent or more	51	-	15	36	-	-	-	-	-	-	-	-	-
Not computed	177	75	10	92	-	-	-	24	4	-	-	-	21
Median	16.8	16.2	16.7	17.7	19.1	20.8	14.1	17.8	14.8	16.9	16.2	13.0	16.8
\$10,000 to \$14,999	1 390	616	154	620	58	23	54	66	119	35	71	5	61
25 percent or more	17	12	-	5	-	-	-	-	7	-	-	-	-
Not computed	85	33	18	34	-	-	15	10	-	4	-	-	-
Median	12.5	12.3	10.0	13.3	15.0	...	10.9	13.8	11.5	11.1	11.2	...	12.1
\$15,000 or more	538	198	58	282	16	4	46	10	41	5	15	-	9
25 percent or more	14	6	-	8	-	-	-	-	6	-	-	-	-
Not computed	14	6	-	8	-	-	-	-	6	-	-	-	-
Median	10.0	10.0	10.0	10.8	...	...	10.0	...	10.0	...	...	...	...

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

Table H-2. Structural, Equipment, and Financial Characteristics of Housing Units: 1970—Continued

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

Census Tracts	Muskegon - Con.			Muskegon Heights					Balance of Muskegon County				
	Tract 0009	Tract 0010	Tract 0021	Tract 0011	Tract 0012	Tract 0013	Tract 0014.01	Tract 0014.02	Tract 0001	Tract 0004	Tract 0015	Tract 0016	Tract 0017
<b>All year-round housing units</b> .....	1 665	580	1 437	309	1 482	1 243	629	1 873	51	8	1 474	583	974
<b>UNITS IN STRUCTURE</b>													
1 (includes mobile home or trailer).....	1 420	508	954	202	1 093	958	437	1 615	51	...	1 252	569	969
2.....	160	43	109	21	266	63	60	129	...	...	38	10	...
3 and 4.....	75	29	109	46	96	140	5	76	...	...	12	...	...
5 to 49.....	10	...	254	40	27	82	38	38	...	...	172	4	5
50 or more.....	...	...	11	...	...	...	89	15	...	...	...	...	...
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970.....	...	5	15	10	...	19	89	...	...	...	11	19	26
1965 to 1968.....	54	31	5	...	10	30	19	10	4	...	169	68	151
1960 to 1964.....	149	101	57	...	20	214	8	21	...	...	165	83	157
1950 to 1959.....	197	92	249	18	118	213	103	281	30	...	478	165	346
1940 to 1949.....	398	59	645	31	370	245	85	313	17	...	243	137	152
1939 or earlier.....	867	292	466	250	964	522	325	1 248	...	...	408	111	142
<b>HEATING EQUIPMENT</b>													
Steam or hot water.....	99	50	90	28	116	50	52	87	4	...	170	57	68
Warm air furnace.....	1 255	448	1 025	200	980	593	400	1 403	22	...	1 103	356	788
Built-in electric units.....	6	...	14	...	15	39	65	15	...	...	147	24	6
Floor, wall, or pipeless furnace.....	83	47	182	16	72	129	46	149	13	...	10	29	43
Other means or not heated.....	222	35	126	65	299	432	66	219	12	...	44	117	69
<b>BASEMENT</b>													
All units with basement.....	1 488	438	939	252	1 344	1 004	500	1 676	22	...	1 313	346	697
One-family houses with basement.....	1 284	389	716	165	981	754	394	1 457	22	...	1 158	336	692
<b>SELECTED EQUIPMENT</b>													
With more than 1 bathroom.....	286	314	275	51	315	152	90	287	13	...	775	217	399
With public water supply.....	1 662	571	1 390	307	1 483	1 229	610	1 887	7	...	1 357	4	17
With public sewer.....	1 656	555	1 405	307	1 483	1 233	589	1 879	7	...	1 416	4	5
With air conditioning.....	97	21	114	7	64	106	64	70	6	...	321	26	67
Room unit(s).....	97	21	108	7	52	93	26	45	6	...	265	6	60
Central system.....	...	...	6	...	12	13	38	25	...	...	56	20	7
<b>All occupied housing units</b> .....	1 620	565	1 388	284	1 405	1 203	605	1 804	58	...	1 403	590	952
<b>YEAR MOVED INTO UNIT</b>													
1968 to March 1970.....	256	111	449	109	437	278	204	427	11	...	387	101	235
1965 to 1967.....	235	71	173	45	239	164	81	269	20	...	358	112	209
1960 to 1964.....	214	170	209	40	219	200	73	203	...	...	144	121	179
1950 to 1959.....	468	126	357	30	189	345	106	434	16	...	298	165	255
1949 or earlier.....	447	87	200	60	321	216	141	471	11	...	216	91	74
<b>AUTOMOBILES AVAILABLE</b>													
1.....	862	303	831	134	858	574	272	1 026	39	...	648	265	357
2.....	445	204	409	53	227	338	148	409	19	...	605	251	461
3 or more.....	94	33	24	25	43	18	7	61	...	...	97	47	101
None.....	219	25	124	72	277	273	178	308	...	...	53	27	33
<b>GROSS RENT</b>													
Specified renter occupied units <sup>1</sup> .....	278	124	479	110	398	435	257	415	...	...	265	55	82
Less than \$40.....	...	...	6	...	10	10	60	...	...	...	...	...	...
\$40 to \$59.....	28	...	5	...	32	54	62	21	...	...	...	...	7
\$60 to \$79.....	79	29	76	54	82	135	32	84	...	...	11	11	...
\$80 to \$99.....	81	13	213	113	110	105	29	110	...	...	35	4	13
\$100 to \$149.....	66	40	115	32	139	106	52	153	...	...	120	25	36
\$150 to \$199.....	6	14	39	6	17	15	6	16	...	...	80	...	5
\$200 to \$249.....	...	...	15	...	...	...	...	...	...	...	10	...	...
\$250 or more.....	...	...	...	...	...	...	...	...	...	...	...	...	8
No cash rent.....	18	28	10	...	8	10	11	26	...	...	9	15	13
Median.....	\$86	\$104	\$92	\$79	\$89	\$82	\$62	\$95	...	...	\$139	\$105	\$115
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>													
Specified renter occupied units <sup>1</sup> .....	278	124	479	110	398	435	257	415	...	...	265	55	82
Less than \$5,000.....	100	47	147	72	226	222	127	186	...	...	84	9	12
Less than 20 percent.....	10	...	...	12	15	32	5	7	...	...	6	...	...
20 to 24 percent.....	7	...	15	...	...	36	26	5	...	...	5	...	...
25 to 34 percent.....	24	...	31	...	18	33	33	55	...	...	4	...	4
35 percent or more.....	40	14	96	60	181	117	52	94	...	...	63	4	8
Not computed.....	19	33	5	...	12	4	11	25	...	...	6	...	...
Median.....	34.8	...	35.0+	35.0+	35.0+	35.0+	33.2	35.0+	...	...	35.0+	...	...
\$5,000 to \$9,999.....	122	58	231	25	144	142	95	164	...	...	88	34	49
Less than 20 percent.....	95	40	179	19	121	77	70	113	...	...	39	19	39
20 to 24 percent.....	12	11	41	...	17	26	9	36	...	...	44	...	4
25 to 34 percent.....	9	7	6	...	6	25	11	15	...	...	5	...	...
35 percent or more.....	6	...	...	6	...	4	5	...	...	...	...	...	6
Not computed.....	6	...	...	...	...	10	...	...	...	...	...	...	...
Median.....	16.2	18.1	15.4	12.0	15.0	18.7	17.4	16.7	...	...	20.6	...	17.5
\$10,000 to \$14,999.....	33	19	72	6	21	48	30	49	...	...	56	12	7
25 percent or more.....	...	...	5	...	...	...	...	...	...	...	5	...	...
Not computed.....	...	4	...	...	8	...	5	5	...	...	4	...	7
Median.....	10.0	...	14.2	...	...	10.0	11.1	11.0	...	...	16.2	...	...
\$15,000 or more.....	23	...	29	7	7	23	5	16	...	...	37	...	14
25 percent or more.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Not computed.....	...	...	...	...	...	...	...	...	...	...	5	...	...
Median.....	...	...	10.0	...	...	...	...	...	...	...	12.0	...	...

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

Table H-2. Structural, Equipment, and Financial Characteristics of Housing Units: 1970—Continued

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

Census Tracts

Balance of Muskegon County—Con.

	Tract 0018	Tract 0019.01	Tract 0019.02	Tract 0020	Tract 0022	Tract 0023	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029
<b>All year-round housing units</b> .....	742	610	1 609	853	1 291	1 920	835	1 697	1 148	888	1 576	1 177	1 189
<b>UNITS IN STRUCTURE</b>													
1 (includes mobile home or trailer) .....	733	605	1 513	849	1 017	1 895	786	1 682	1 143	833	1 555	1 152	1 164
2 .....	9	5	14	4	—	13	20	9	5	12	21	15	10
3 and 4 .....	—	—	—	—	3	—	—	—	—	6	—	6	15
5 to 49 .....	—	—	82	—	271	12	29	6	—	37	—	4	—
50 or more .....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970 .....	5	—	20	17	205	56	4	41	19	22	39	32	41
1965 to 1968 .....	59	50	97	49	223	267	174	236	131	66	126	119	130
1960 to 1964 .....	110	69	88	96	246	486	77	237	99	61	296	133	126
1950 to 1959 .....	256	244	698	257	330	625	288	570	284	284	519	392	313
1940 to 1949 .....	180	143	407	267	214	334	153	336	387	251	324	217	181
1939 or earlier .....	132	104	299	167	73	152	139	277	228	204	272	284	398
<b>HEATING EQUIPMENT</b>													
Steam or hot water .....	49	17	89	33	58	134	121	217	36	74	132	181	26
Warm air furnace .....	482	341	1 116	493	1 131	1 619	582	1 293	619	579	1 099	725	838
Built-in electric units .....	—	—	—	—	57	23	39	22	10	12	—	27	6
Floor, wall, or pipeless furnace .....	64	78	217	120	19	57	21	49	161	112	135	83	63
Other means or not heated .....	147	174	187	207	26	87	72	116	322	111	210	161	256
<b>BASEMENT</b>													
All units with basement .....	557	259	1 023	276	1 069	1 664	504	1 404	466	393	1 131	575	783
One-family houses with basement .....	548	259	955	276	963	1 643	483	1 400	466	377	1 126	565	766
<b>SELECTED EQUIPMENT</b>													
With more than 1 bathroom .....	121	79	180	66	398	849	298	658	66	90	295	219	210
With public water supply .....	18	58	1 024	119	1 265	1 737	593	706	595	206	9	4	242
With public sewer .....	10	8	190	19	1 272	686	166	14	152	93	9	—	4
With air conditioning .....	57	48	196	15	354	149	86	136	69	70	116	58	52
Room unit(s) .....	57	34	176	15	136	136	59	108	56	34	105	52	31
Central system .....	—	14	20	—	218	13	27	28	13	36	11	6	21
<b>All occupied housing units</b> .....	728	581	1 558	832	1 249	1 876	820	1 674	1 112	861	1 524	1 164	1 150
<b>YEAR MOVED INTO UNIT</b>													
1968 to March 1970 .....	165	114	340	154	465	423	174	381	235	188	354	251	236
1965 to 1967 .....	86	114	267	118	257	474	190	360	224	121	268	230	224
1960 to 1964 .....	191	101	250	163	255	437	136	319	236	154	322	185	264
1950 to 1959 .....	156	179	458	234	191	426	217	417	195	244	349	295	256
1949 or earlier .....	130	73	243	163	81	116	103	197	222	154	231	203	170
<b>AUTOMOBILES AVAILABLE</b>													
1 .....	322	312	838	438	595	635	355	695	687	460	583	525	586
2 .....	351	199	517	329	583	1 014	364	787	288	314	715	470	440
3 or more .....	13	45	138	40	43	148	65	152	51	65	110	76	78
None .....	42	25	65	25	28	79	36	40	86	22	116	93	46
<b>GROSS RENT</b>													
Specified renter occupied units <sup>1</sup> .....	93	78	240	86	270	88	131	81	161	81	130	121	73
Less than \$40 .....	5	—	—	—	—	3	—	—	—	—	—	—	4
\$40 to \$59 .....	—	—	5	—	—	—	4	—	15	—	7	8	—
\$60 to \$79 .....	9	—	40	5	—	5	4	4	25	21	27	24	13
\$80 to \$99 .....	22	38	34	35	—	10	30	14	62	5	40	44	18
\$100 to \$149 .....	25	32	48	24	24	16	32	35	36	42	44	32	29
\$150 to \$199 .....	17	3	97	8	219	25	30	5	6	13	12	4	—
\$200 to \$249 .....	5	—	—	—	27	15	12	12	—	—	—	—	—
\$250 or more .....	—	—	—	—	—	5	10	5	—	—	—	—	—
No cash rent .....	10	5	16	12	—	9	9	6	17	—	—	9	9
Median .....	\$109	\$99	\$117	\$99	\$175	\$161	\$119	\$120	\$93	\$122	\$94	\$92	\$97
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>													
Specified renter occupied units <sup>1</sup> .....	93	78	240	86	270	88	131	81	161	81	130	121	73
Less than \$5,000 .....	18	27	78	20	39	22	30	10	48	6	44	31	26
Less than 20 percent .....	—	—	—	—	—	3	—	—	—	—	—	—	4
20 to 24 percent .....	5	—	—	—	—	—	—	—	—	—	—	6	—
25 to 34 percent .....	4	—	15	11	6	—	—	—	—	—	6	11	9
35 percent or more .....	9	22	52	5	33	15	30	5	42	6	38	10	9
Not computed .....	—	5	11	4	—	4	—	5	6	—	—	4	4
Median .....	...	...	35.0+	...	35.0+	...	35.0+	...	35.0+	...	35.0+	31.8	...
\$5,000 to \$9,999 .....	46	18	99	52	59	26	41	28	93	45	38	77	43
Less than 20 percent .....	22	15	50	38	—	20	22	71	26	19	62	30	30
20 to 24 percent .....	12	3	20	8	12	3	3	—	5	19	13	6	8
25 to 34 percent .....	—	—	24	3	42	18	4	—	6	—	—	4	—
35 percent or more .....	5	—	—	—	5	—	5	—	—	—	6	—	—
Not computed .....	7	—	5	3	—	5	9	6	11	—	—	5	5
Median .....	19.2	...	19.1	15.8	29.2	...	18.5	...	14.3	18.7	20.0	16.2	17.5
\$10,000 to \$14,999 .....	21	18	44	14	82	30	33	29	20	30	42	13	4
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	3	—	—	5	—	—	—	—	—	—	—	—	—
Median .....	...	...	13.0	...	16.7	21.4	13.9	13.5	...	13.1	10.3	...	...
\$15,000 or more .....	8	15	19	—	90	10	27	14	—	—	6	—	—
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Not computed .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Median .....	...	...	...	...	10.8	...	17.5	...	...	...	...	...	...

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

Table H-2. Structural, Equipment, and Financial Characteristics of Housing Units: 1970—Continued

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

Census Tracts	Balance of Muskegon County—Con.											Totals for split tracts	
	Tract 0030	Tract 0031	Tract 0032	Tract 0033	Tract 0034	Tract 0035	Tract 0036	Tract 0037	Tract 0038	Tract 0039	Tract 0040	Tract 0001	Tract 0004
All year-round housing units .....	960	826	1 003	843	966	631	876	1 469	1 028	384	183	632	2 302
<b>UNITS IN STRUCTURE</b>													
1 (includes mobile home or trailer) .....	920	816	990	824	943	625	855	1 303	964	369	183	483	2 207
2 .....	24	10	7	11	4	—	18	57	45	7	—	13	77
3 and 4 .....	6	—	6	—	19	6	—	68	10	8	—	9	14
5 to 49 .....	10	—	—	8	—	—	3	33	9	—	—	123	4
50 or more .....	—	—	—	—	—	—	—	8	—	—	—	4	—
<b>YEAR STRUCTURE BUILT</b>													
1969 to March 1970 .....	15	14	5	14	53	25	24	69	5	12	10	90	6
1965 to 1968 .....	84	51	88	82	133	58	44	186	67	70	13	91	44
1960 to 1964 .....	95	60	57	57	68	83	32	130	82	42	11	60	143
1950 to 1959 .....	95	314	326	245	242	202	171	362	259	55	48	85	542
1940 to 1949 .....	139	203	295	173	183	118	274	163	146	51	56	111	426
1939 or earlier .....	532	184	232	272	287	145	331	559	469	154	45	195	1 141
<b>HEATING EQUIPMENT</b>													
Steam or hot water .....	41	15	61	53	63	56	53	194	94	40	33	20	81
Warm air furnace .....	585	465	519	443	569	349	351	958	679	259	90	497	1 820
Built-in electric units .....	40	15	5	15	22	39	17	73	31	17	5	7	9
Floor, wall, or pipeless furnace .....	64	85	123	33	55	31	79	85	66	17	9	32	118
Other means or not heated .....	230	246	295	299	257	156	376	159	158	51	46	76	274
<b>BASEMENT</b>													
All units with basement .....	649	332	466	465	356	335	357	998	781	266	92	552	1 988
One-family houses with basement .....	632	332	453	446	356	335	348	879	727	251	92	415	1 877
<b>SELECTED EQUIPMENT</b>													
With more than 1 bathroom .....	137	98	73	89	147	111	145	447	306	142	13	113	418
With public water supply .....	21	78	20	15	41	6	18	1 057	662	—	7	551	2 193
With public sewer .....	14	41	13	—	17	—	4	884	8	6	—	575	2 224
With air conditioning .....	55	48	71	19	60	21	15	112	10	—	—	183	185
Room unit(s) .....	40	42	71	12	54	16	15	102	10	—	—	139	168
Central system .....	15	6	—	7	6	5	—	10	—	—	—	44	17
All occupied housing units .....	930	765	957	732	910	609	790	1 447	993	357	162	626	2 261
<b>YEAR MOVED INTO UNIT</b>													
1968 to March 1970 .....	172	230	217	197	203	147	193	491	189	104	33	200	372
1965 to 1967 .....	239	119	252	156	197	113	160	323	197	45	32	92	419
1960 to 1964 .....	157	171	130	138	117	87	127	237	189	95	46	83	351
1950 to 1959 .....	108	151	176	152	278	128	190	193	226	36	28	112	585
1949 or earlier .....	254	94	182	89	115	134	120	203	192	77	23	139	534
<b>AUTOMOBILES AVAILABLE</b>													
1 .....	462	341	515	392	499	298	426	743	494	178	100	383	1 234
2 .....	373	320	283	260	295	254	276	541	325	148	48	172	671
3 or more .....	46	63	64	42	71	43	39	85	62	31	5	36	131
None .....	49	41	95	38	45	14	49	78	112	—	9	35	225
<b>GROSS RENT</b>													
Specified renter occupied units <sup>1</sup> .....	88	62	157	94	90	58	122	224	129	38	...	179	307
Less than \$40 .....	17	—	—	—	—	—	—	—	—	—	...	—	—
\$40 to \$59 .....	—	—	5	—	8	—	9	8	6	—	...	—	18
\$60 to \$79 .....	17	11	13	14	5	17	13	38	12	5	...	4	46
\$80 to \$99 .....	21	10	52	20	38	13	61	51	35	15	...	4	55
\$100 to \$149 .....	18	36	75	44	32	15	29	52	48	18	...	157	120
\$150 to \$199 .....	—	—	5	—	4	8	4	68	—	—	...	14	34
\$200 to \$249 .....	—	—	—	—	—	—	—	—	—	—	...	—	—
\$250 or more .....	—	—	—	—	—	—	—	—	—	—	...	—	—
No cash rent .....	15	5	7	16	3	5	6	7	28	—	...	—	34
Median .....	\$82	\$106	\$102	\$103	\$97	\$97	\$90	\$106	\$99	\$99	...	\$130	\$105
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>													
Specified renter occupied units <sup>1</sup> .....	88	62	157	94	90	58	122	224	129	38	...	179	307
Less than \$5,000 .....	59	10	29	44	41	16	55	51	51	21	...	17	86
Less than 20 percent .....	17	—	—	—	—	—	—	—	—	—	...	—	—
20 to 24 percent .....	5	—	—	—	—	6	4	8	6	—	...	—	16
25 to 34 percent .....	12	—	11	9	9	6	22	4	19	13	...	3	5
35 percent or more .....	5	—	18	19	29	4	29	39	6	8	...	14	65
Not computed .....	20	10	—	16	3	—	—	—	20	—	...	—	—
Median .....	22.5	—	35.0+	35.0+	35.0+	...	35.0+	35.0+	30.0	...	...	...	35.0+
\$5,000 to \$9,999 .....	11	46	97	42	36	28	43	100	68	11	...	84	145
Less than 20 percent .....	11	34	74	39	25	24	25	74	35	5	...	52	78
20 to 24 percent .....	—	7	11	3	11	—	10	12	18	—	...	21	26
25 to 34 percent .....	—	5	—	—	—	—	8	8	7	6	...	11	17
35 percent or more .....	—	—	5	—	—	4	—	6	—	—	...	—	—
Not computed .....	—	—	7	—	—	—	—	—	8	—	...	—	24
Median .....	...	17.6	16.8	16.3	18.3	16.2	18.7	15.2	18.9	...	...	19.0	17.8
\$10,000 to \$14,999 .....	12	6	26	—	13	10	21	57	10	6	...	62	66
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	...	—	—
Not computed .....	—	—	—	—	—	5	3	7	—	—	...	—	10
Median .....	...	...	10.9	—	...	...	...	15.2	...	...	...	14.7	13.8
\$15,000 or more .....	6	—	5	8	—	4	3	16	—	—	...	16	10
25 percent or more .....	—	—	—	—	—	—	—	—	—	—	...	—	—
Not computed .....	—	—	—	—	—	—	3	—	—	—	...	—	—
Median .....	...	...	...	...	...	...	...	...	...	...	...	...	...

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

Table H-3. **Occupancy, Utilization, and Financial Characteristics of Housing Units With Negro Head of Household: 1970**

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

Census Tracts With 400 or More Negro Population	Muskegon County				Muskegon				Muskegon Heights			Balance of Muskegon County
	Total	Muskegon	Muskegon Heights	Balance	Tract 0002	Tract 0003	Tract 0005	Tract 0006.02	Tract 0011	Tract 0012	Tract 0013	Tract 0018
All occupied housing units .....	4 182	1 595	2 254	333	540	458	171	324	160	858	1 164	125
<b>TENURE AND PLUMBING</b>												
Owner occupied .....	2 592	877	1 479	236	306	262	95	150	102	617	714	90
With all plumbing facilities .....	2 520	855	1 464	201	302	252	92	145	98	612	708	75
Renter occupied .....	1 590	718	775	97	234	196	76	174	58	241	450	35
With all plumbing facilities .....	1 482	647	759	76	224	167	74	154	55	231	447	27
<b>ROOMS</b>												
1 room .....	28	15	10	3	1	-	1	3	-	6	3	-
2 rooms .....	109	61	43	5	15	24	4	17	5	12	20	3
3 and 4 rooms .....	1 239	445	680	114	147	122	46	107	64	214	373	44
5 and 6 rooms .....	2 091	748	1 178	165	278	203	77	134	71	439	639	58
7 rooms or more .....	715	326	343	46	99	109	43	63	20	187	129	20
Median .....	5.1	5.1	5.1	5.0	5.2	5.2	5.3	4.9	4.7	5.4	5.0	4.9
<b>PERSONS</b>												
1 person .....	575	245	273	57	78	82	13	55	24	95	133	20
2 and 3 persons .....	1 592	576	880	136	203	150	56	130	61	311	487	51
4 and 5 persons .....	1 013	396	556	61	128	113	53	69	48	216	273	28
6 persons or more .....	1 002	378	545	79	131	113	49	70	27	236	271	26
Median .....	3.4	3.4	3.4	2.9	3.4	3.5	4.1	3.1	3.3	3.7	3.3	3.1
Units with roomers, boarders, or lodgers .....	228	95	121	12	34	30	10	20	15	49	57	3
<b>PERSONS PER ROOM</b>												
1.00 or less .....	3 337	1 278	1 795	264	422	370	136	263	129	696	910	101
1.01 to 1.50 .....	601	228	327	46	81	69	19	46	19	112	189	16
1.51 or more .....	244	89	132	23	37	19	16	15	12	50	65	8
Units with all plumbing facilities - 1.01 or more .....	803	291	450	62	115	74	33	54	28	159	251	21
<b>VALUE</b>												
Specified owner occupied units <sup>1</sup> .....	2 235	699	1 333	203	243	202	81	111	89	550	650	81
Less than \$5,000 .....	123	31	49	43	13	9	4	3	6	8	35	14
\$5,000 to \$9,999 .....	1 059	349	620	90	137	117	36	47	59	228	331	37
\$10,000 to \$14,999 .....	756	236	478	42	78	64	33	42	21	239	196	20
\$15,000 to \$19,999 .....	225	62	148	15	10	11	6	16	3	65	63	3
\$20,000 to \$34,999 .....	64	19	34	11	5	1	2	2	-	9	23	7
\$35,000 or more .....	8	2	4	2	-	-	-	1	-	1	2	-
Median .....	\$9 800	\$9 700	\$10 000	\$8 100	\$9 200	\$9 200	\$10 100	\$10 400	\$8 300	\$10 700	\$9 500	\$8 700
<b>CONTRACT RENT</b>												
Specified renter occupied units <sup>2</sup> .....	1 528	705	742	81	229	194	74	171	55	232	430	29
Median .....	\$69	\$69	\$69	\$56	\$67	\$69	\$72	\$72	\$61	\$74	\$69	\$55

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

Table H-4. **Structural, Equipment, and Financial Characteristics of Housing Units With Negro Head of Household: 1970**

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

**Census Tracts With 400 or More Negro Population**

	Muskegon County				Muskegon				Muskegon Heights			Balance of Muskegon County
	Total	Muskegon	Muskegon Heights	Balance	Tract 0002	Tract 0003	Tract 0005	Tract 0006.02	Tract 0011	Tract 0012	Tract 0013	Tract 0018
All occupied housing units .....	4 157	1 591	2 245	321	536	458	171	323	148	870	1 156	126
<b>UNITS IN STRUCTURE</b>												
1 (includes mobile home or trailer) .....	3 043	1 008	1 727	308	383	278	120	180	123	671	886	117
2 to 4 .....	884	493	378	13	148	154	51	112	7	183	188	9
5 or more .....	230	90	140	-	5	26	-	31	18	16	82	-
<b>YEAR STRUCTURE BUILT</b>												
1960 to March 1970 .....	437	59	320	58	-	-	-	25	7	26	245	13
1950 to 1959 .....	500	54	345	101	22	6	9	10	18	105	204	47
1949 or earlier .....	3 220	1 478	1 580	162	514	452	162	288	123	739	707	66
<b>SELECTED EQUIPMENT</b>												
With air conditioning .....	283	118	144	21	49	7	27	14	7	31	94	14
With more than 1 bathroom .....	771	316	434	21	97	98	69	32	38	231	147	-
With central or built-in heating system .....	2 902	1 152	1 569	181	363	326	130	253	113	640	751	67
With public water supply .....	3 897	1 587	2 240	70	536	458	171	332	147	871	1 143	-
With public sewer .....	3 877	1 570	2 244	63	526	458	171	332	147	871	1 147	-
With automobile(s) available .....	3 127	1 100	1 762	265	374	299	118	244	109	707	889	95
1 .....	2 120	804	1 132	184	271	238	92	149	68	499	547	56
2 or more .....	1 007	296	630	81	103	61	26	95	41	208	342	39
<b>YEAR MOVED INTO UNIT</b>												
1968 to March 1970 .....	1 485	681	710	94	138	248	99	138	45	352	264	34
1960 to 1967 .....	1 493	595	786	112	293	138	56	96	59	341	356	34
1959 or earlier .....	1 169	311	758	100	105	72	16	98	43	178	537	46
<b>GROSS RENT</b>												
Specified renter occupied units' .....	1 553	723	743	87	227	196	72	172	41	258	420	30
Less than \$40 .....	27	7	20	-	-	-	-	7	-	-	10	-
\$40 to \$59 .....	148	62	82	4	11	13	7	31	5	9	54	-
\$60 to \$79 .....	389	174	202	13	55	49	14	37	11	56	135	9
\$80 to \$99 .....	381	155	189	37	54	41	13	35	6	84	99	11
\$100 to \$149 .....	536	304	204	28	99	93	31	62	13	90	101	10
\$150 to \$199 .....	54	21	28	5	8	-	7	-	6	11	11	-
\$200 or more .....	-	-	-	-	-	-	-	-	-	-	-	-
No cash rent .....	18	-	18	-	-	-	-	-	-	8	10	-
Median .....	\$89	\$95	\$85	\$93	\$98	\$97	\$102	\$84	\$98	\$89	\$81	\$85
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>												
Less than \$10,000 .....	1 371	643	650	78	209	171	65	148	34	243	349	25
25 percent or more .....	801	401	352	48	143	111	50	75	29	130	169	9
35 percent or more .....	607	307	279	21	110	90	44	47	29	124	111	5
Not computed .....	38	12	26	-	-	12	-	-	-	12	14	-
Median .....	31.9	34.1	30.5	28.3	35.0+	35.0+	35.0+	25.4	35.0+	35.0+	25.3	18.9

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



Table H-5. Characteristics of Housing Units With Household Head of Spanish Language: 1970

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

Census Tracts With 400 or More Persons of Spanish Language	Muskegon County			
	Total	Muskegon	Muskegon Heights	Balance
All occupied housing units .....	492	138	80	274
<b>TENURE AND PLUMBING</b>				
Owner occupied .....	303	50	37	216
With all plumbing facilities .....	291	45	37	209
Renter occupied .....	189	88	43	58
With all plumbing facilities .....	167	66	43	58
<b>ROOMS</b>				
1 room .....	23	23	-	-
2 rooms .....	14	14	-	-
3 and 4 rooms .....	155	29	28	98
5 and 6 rooms .....	261	65	52	144
7 rooms or more .....	39	7	-	32
<b>UNITS IN STRUCTURE</b>				
1 (includes mobile home or trailer) .....	360	53	45	262
2 to 4 .....	92	63	29	-
5 or more .....	40	22	6	12
<b>YEAR STRUCTURE BUILT</b>				
1960 to March 1970 .....	74	7	5	62
1950 to 1959 .....	83	6	11	66
1949 or earlier .....	335	125	64	146
<b>PERSONS</b>				
1 person .....	41	22	9	10
2 and 3 persons .....	169	43	37	89
4 and 5 persons .....	142	41	27	74
6 persons or more .....	140	32	7	101
Median .....	4.0	3.6	3.2	4.7
Units with roomers, boarders, or lodgers .....	12	5	7	-
<b>PERSONS PER ROOM</b>				
1.00 or less .....	358	98	67	193
1.01 to 1.50 .....	88	15	13	60
1.51 or more .....	46	25	-	21
Units with all plumbing facilities - 1.01 or more .....	120	33	13	74
<b>YEAR MOVED INTO UNIT</b>				
1968 to March 1970 .....	184	58	48	78
1960 to 1967 .....	223	50	26	147
1959 or earlier .....	85	30	6	49
<b>SELECTED EQUIPMENT</b>				
With air conditioning .....	18	6	-	12
With more than 1 bathroom .....	35	-	5	30
With central or built-in heating system .....	370	107	73	190
With public water supply .....	293	138	80	75
With public sewer .....	253	138	80	35
With automobile(s) available .....	392	79	72	241
1 .....	213	47	48	118
2 or more .....	179	32	24	123
<b>VALUE</b>				
Specified owner occupied units <sup>1</sup> .....	236	43	...	163
Less than \$5,000 .....	32	5	...	27
\$5,000 to \$9,999 .....	83	13	...	70
\$10,000 to \$14,999 .....	46	11	...	21
\$15,000 to \$19,999 .....	46	7	...	15
\$20,000 to \$34,999 .....	33	7	...	30
\$35,000 or more .....	3	-	...	-
Median .....	\$10 300	\$10 800	...	\$8 500
<b>GROSS RENT</b>				
Specified renter occupied units <sup>2</sup> .....	189	88	43	58
Less than \$40 .....	7	7	-	-
\$40 to \$59 .....	12	-	-	12
\$60 to \$79 .....	70	33	23	14
\$80 to \$99 .....	56	26	12	18
\$100 to \$149 .....	39	22	8	9
\$150 to \$199 .....	5	-	-	5
\$200 or more .....	-	-	-	-
No cash rent .....	-	-	\$79	\$88
Median .....	\$82	\$82	\$79	\$88
<b>CONTRACT RENT</b>				
Specified renter occupied units <sup>3</sup> .....	189	88	43	58
Median .....	\$74	\$76	\$76	\$63
<b>GROSS RENT AS PERCENTAGE OF INCOME BY INCOME</b>				
Less than \$10,000 .....	177	88	43	46
25 percent or more .....	84	38	24	22
35 percent or more .....	43	14	16	13
Not computed .....	-	-	-	-
Median .....	23.9	22.5	28.1	14.8

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

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

<sup>3</sup>Excludes one-family homes on 10 acres or more and all "no cash rent" units.

## Appendix A.—AREA CLASSIFICATIONS

CENSUS TRACTS . . . . .	App-1
Definition of census tract . . . . .	App-1
Historical background . . . . .	App-1
Description of tracted area . . . . .	App-1
Comparability from census to census . . . . .	App-1
STANDARD METROPOLITAN STATISTICAL AREAS . . . . .	App-2

### CENSUS TRACTS

**Definition of census tract.**—Census tracts are small areas into which large cities and adjacent areas have been divided for statistical purposes. Tract boundaries were established cooperatively by a local committee and the Bureau of the Census. Tracts were generally designed to be relatively uniform with respect to population characteristics, economic status, and living conditions. The average tract has about 4,000 residents. Tract boundaries are established with the intention of being maintained over a long time so that comparisons may be made from census to census.

In the decennial censuses, the Bureau of the Census tabulates population and housing information for each census tract. The practice of local agencies to tabulate locally collected data by tracts has increased the value of census tract data in many areas.

Tracts are generally numbered in a consecutive series, with separate series for the central city and for each county. Insofar as possible, the numbers are consecutive within each city, community, township, and the like. In these tables, tracts which contain no population and no housing units are not listed. Tracts populated only by crews of vessels are identified by the tract number suffix "99."

**Historical background.**—The concept of census tracts was originated by the late Dr. Walter Laidlaw in New York City in 1906. He was convinced of the need for data for homogeneous subdivisions of cities as a basis for studying neighborhoods smaller than boroughs or wards. At his request, the Bureau of the Census tabulated census tract data from the 1910 census for New York and seven other cities with a population of over 500,000. Tract data were again tabulated for the same 8 cities in 1920, and in 1930 this number was increased to 18. In 1940, tract data were tabulated for 60 cities, some with adjacent tracted areas; and, beginning in 1940, housing data were added to the population data in the tract reports. In 1950, final reports were published for 64 tracted areas, many of which included statistics for two or more large cities. By 1960, the program had expanded to include reports for 180 tracted areas (of which 3 were in Puerto Rico).

Tract statistics from the 1970 census are published for 241 areas, 238 in the United States and 3 in the Commonwealth of Puerto Rico. All of these tracted areas are standard metropolitan statistical areas (SMSA's). The goal of extending the census tract program to all SMSA's was achieved in the 1970 census except for six areas that were designated as SMSA's on the basis of the 1970 census count and had not been tracted.

Much of the credit for the growing interest in tract data belongs to the late Howard Whipple Green of Cleveland. He aroused the interest of research workers in numerous cities in the potential usefulness of tract statistics for the analysis of socio-economic, marketing, and administrative

problems. In his capacity as Chairman of the Committee on Census Enumeration Areas of the American Statistical Association for 25 years, he accepted the responsibility for appointing a Census Tract Key Person in each area where tracts were established, for providing guidance on delineating and maintaining census tracts, and for maintaining a census tract library. These duties were assumed by the Bureau of the Census in 1955. However, the Census Bureau no longer appoints Census Tract Key Persons. They are selected by the local census tract committees.

For a further discussion of census tract data and their uses, see U.S. Bureau of the Census, **Census Tract Manual**, Fifth Edition, 1966, Government Printing Office, Washington, D.C. 20402.

**Description of tracted area.**—The map included in this report identifies the boundaries of the area for which the tract statistics are presented. The map also identifies the location and number of each tract and, when appropriate, the limits of cities, townships, counties, or other subdivisions of the tracted area. Boundaries of the tracted area generally constitute a standard metropolitan statistical area (SMSA). A few, however, include the SMSA plus an adjoining area outside it. These are designated as including the adjacent area, and the map covers the tracts in the adjacent area as well as those in the SMSA itself.

**Comparability from census to census.**—One of the principles followed in relation to census tracts is to preserve comparability from census to census. Keeping tract boundaries unchanged makes possible the study of changes

in social and economic characteristics of neighborhoods. There are, nonetheless, several situations where boundaries of individual tracts are changed. For example, it is sometimes necessary to change the boundaries of tracts to add small areas annexed to a city. Similarly, changes in tract boundaries occur when territory is detached from a city or separately incorporated. Changes may also occur in physical features that are used as tract boundaries, such as street or highway relocations. The census tract limits are changed to conform with the revised feature or to follow another nearby visible feature. Census tracts with very large increases in population are subdivided into two or more smaller tracts. On the other hand, a re-examination of the existing tract boundaries may result in modifications of boundaries to provide larger or more homogeneous units. Tables A and B, showing the comparability of tracts between 1960 and 1970, appear at the end of the Introduction.

#### 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. In recent years, four cities (High Point, N.C., Macon, Ga., Oklahoma City, Okla., and Sioux Falls, S. Dak.) have annexed territory which lies outside the boundaries of the SMSA. The figures shown in the tables for these cities exclude the portions which lie outside the SMSA. 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.

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

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Gross rent as percentage of income . . . . .	App-12

### GENERAL

Facsimiles of the census questions and more complete definitions of the subject characteristics may be found in the 1970 Population Census PC(1)-C reports for population items and in the 1970 Housing Census HC(1)-B reports for housing items.

Certain characteristics defined here appear in both the population and the housing tables. Definitions for such characteristics are presented only once, in the section "Population Characteristics" or in the section "Housing Characteristics," depending on the nature of the subject (except for "group quarters," which appears in both sections).

### POPULATION CHARACTERISTICS

**Age.**—The age classification is based on the age of the person in completed years as of April 1, 1970, and was determined from the reply to questions on age and on month and year of birth.

**Race.**—Data are shown for two racial categories, white and Negro. The

category "white" includes persons who indicated their race as white, as well as persons who did not classify themselves in one of the specific race categories on the questionnaire but entered Mexican, Puerto Rican, or a response suggesting Indo-European stock. The category "Negro" includes persons who indicated their race as Negro or Black, as well as persons who did not classify themselves in one of the specific race categories on the questionnaire but who had such entries as Jamaican, Trinidadian, West Indian, Haitian, and Ethiopian. All other racial categories, such as American Indian, Japanese, and Chinese, are included in the total but not shown separately. The classification by race shown for occupied housing units refers to the race of the head of the household occupying the unit.

Differences in the statistics on race in tables P-1, H-1, and H-3, containing 100-percent data, and tables P-5, P-6, and H-4, containing sample data, are due partly to the manual editing of the sample questionnaires. Many persons who reported their race as "Other" on the questionnaire also supplied a write-in entry that indicated the proper race classification should have been one of the specific race categories, e.g., white, Negro, etc. While the field edit procedures included a review of such entries on all questionnaires before the 100-percent data were tabulated, manual editing of the sample questionnaires after the 100-percent data were tabulated resulted in some further changes in classification by race.

**Nativity, parentage, and country of origin.**—The category "native" comprises persons born in the United

States, the Commonwealth of Puerto Rico or an outlying area of the United States, or at sea. Also included in this category is the small number of persons who, although they were born in a foreign country, have at least one native American parent. The category "foreign-born" includes all persons not classified as native. The category "native of native parentage" comprises native persons both of whose parents are also natives of the United States. "Native of foreign or mixed parentage" comprises native persons one or both of whose parents are foreign born.

The category "foreign stock" includes the foreign-born population and the native population of foreign or mixed parentage. In this report, persons of foreign stock are classified according to their country of origin. Natives of foreign parentage whose parents were born in different countries are classified according to the country of birth of the father. Natives of mixed parentage are classified according to the country of birth of the foreign-born parent.

**Spanish heritage.**—In the census tract reports, separate tables are presented for the population of Spanish heritage, which is variously identified in the reports for different areas: in 42 States and the District of Columbia it is identified as "Persons of Spanish language"; in five Southwestern States, as "Persons of Spanish language or Spanish surname"; and in the Middle Atlantic States, as "Persons of Puerto Rican birth or parentage." Similarly, separate housing statistics are presented for housing units in these categories, identified on the basis of the classification of the household head occupying the unit. The specific definitions

involved in identifying these population groups are given below.

**Spanish language.**—Persons of Spanish language comprise persons of Spanish mother tongue (see definition below) and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. A housing unit is classified as occupied by persons of Spanish language if the head or his wife reported Spanish as his or her mother tongue.

**Spanish surname.**—In five Southwestern States (Arizona, California, Colorado, New Mexico, and Texas) persons with Spanish surnames are identified. Separate statistics are presented, in these States, for persons of Spanish language combined with all additional persons of Spanish surname. These additional persons are shown in the category "Other persons of Spanish surname."

**Puerto Rican birth or parentage.**—The population of Puerto Rican birth or parentage includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or both parents born in Puerto Rico. Statistics for this group are shown for areas in New York, New Jersey, and Pennsylvania.

**Spanish mother tongue.**—Mother tongue is defined as the language spoken in the person's home when he was a child.

In two tracted areas that cross State lines, Wilmington, Del.—N.J.—Md., and Texarkana, Tex.—Ark., the population of Spanish heritage in each State portion is identified, for tabula-

tion purposes, in the manner specified above for that State, and the segments for the different States are combined to form a total for the area. The term used to describe this population in tables P-7, P-8, and H-5, however, is the term applicable in the State containing the major portion of the SMSA. Thus, for the Wilmington SMSA, the term applicable in Delaware, "Persons of Spanish language," is used; and in the Texarkana SMSA the term applicable in Texas, "Persons of Spanish language or Spanish surname," is used.

**Household.**—A household includes all the persons who occupy a group of rooms or a single room which constitutes a housing unit (see definition of housing unit, below). The average population per household is obtained by dividing the population in households by the number of household heads.

The population per household for Negroes and persons of Spanish heritage, shown in tables P-5 and P-7, may not in all cases be a true representation of the household size for these groups. For example, some persons of a given group may be roomers or domestic employees living with household heads of a different ethnic classification.

**Relationship to head of household.**—Four categories of relationship to head of household are recognized in this report:

1. *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 was reported as the head, her husband was con-

sidered the head for the purpose of simplifying the tabulations. Two types of household heads are distinguished — the head of a family and a primary individual. A family head is a household head living with one or more persons related to him by blood, marriage, or adoption. A primary individual is a household head living alone or with nonrelatives only.

2. *Wife of head.*—A woman married to and living with a household head, including women in common-law marriages as well as women in formal marriages. In table P-1, which is based on 100-percent tabulations, the number of wives is the same as the number of "husband-wife households" and the number of "husband-wife families." In tables P-5 and P-7, which are based on a sample and are limited to a specific ethnic group, the numbers may differ, because of minor differences in the weighting of the data and because a husband and wife do not always have the same ethnic classification.
3. *Other relative of head.*—All persons related to the head of the household by blood, marriage, or adoption except "wife of head."
4. *Not related to head.*—All persons in the household 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.

**Group quarters.**—Persons in living arrangements other than households are classified by the Bureau of the Census as living in group quarters. Group quarters are located most frequently in institutions, rooming houses, military

barracks, college dormitories, fraternity and sorority houses, hospitals, monasteries, 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.

**Inmate of institution.**—Inmates of institutions are persons under care or custody at the time of enumeration in homes, schools, hospitals or wards for juveniles, the physically handicapped, or the mentally handicapped; homes or hospitals for mental, tuberculosis, or other chronic disease patients; homes for unwed mothers; nursing, convalescent, and rest homes; homes for the aged and dependent; and correctional institutions.

**Family.**—According to 1970 census definitions, a family consists of a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption; all persons in a household who are related to the head are regarded as members of his (her) family. A "husband-wife family" is a family in which the head and his wife are enumerated as members of the same household. Not all households contain families, because a household may be composed of a group of unrelated persons or one person living alone. The mean size of family is derived by dividing the number of persons in families by the total number of families.

**Own children and related children.**—This report shows statistics on families by presence of "own" children and "related" children of specified ages. A child under 18 years old is defined

as an "own child" if he or she is a single (never married) son, daughter, stepchild, or adopted child. The number of children "living with both parents" includes stepchildren and adopted children as well as sons and daughters born to the couple. "Related children" in a family include all persons under 18 related to the head except "wife of head." The "mean number of related children" is derived by dividing the total number of related children of the specified age in families by the number of families having children of that age. In table P-1 the number of own children under 18 years of age is divided by "persons under 18 years" to obtain the "percent of total under 18 years."

**Unrelated individuals.**—An unrelated individual, as defined in this report, may be any of the following: a household head living alone or with nonrelatives only, a household member not related to the head, or a person living in group quarters who is not an inmate of an institution.

**Marital status.**—The marital status classification refers to the status at the time of enumeration. Persons classified as "married" consist of those who have been married only once and those who remarried after having been widowed or divorced. Persons reported as separated (living apart because of marital discord, with or without a legal separation) are classified as a subcategory of married persons. Persons in common-law marriages are classified as married, and persons whose only marriage had been annulled are classified as never married. All persons reported as never married are shown as "single" in this report.

**Children ever born.**—In this report, statistics on the number of children ever born are presented for women 35 to 44 years old who have ever been married. Respondents were instructed to include children born to the woman before her present marriage, children no longer living, and children away from home, as well as children born to the woman who were still living in the home.

**School enrollment.**—School enrollment is shown for persons 3 to 34 years old. Persons were included as enrolled in school if they reported attending a "regular" school or college at any time between February 1, 1970, and the time of enumeration. Regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional degree. Schooling that was not obtained in a regular school and schooling from a tutor or through correspondence courses were counted only if the credits obtained were regarded as transferable to a school in the regular school system. Persons were included as enrolled in nursery school only if the school included instruction as an important and integral phase of its program. Schooling which is generally regarded as not "regular" includes that given in nursery schools which simply provide custodial day care, in specialized vocational, trade, or business schools, in on-the-job training, and through correspondence courses.

Elementary school, as defined here, includes grades 1 to 8, and high school includes grades 9 to 12. If a person was attending a junior high school, the equivalent in terms of 8 years of elementary school and 4 years of high school was recorded. In general,

a "public" school is defined as any school which is controlled and supported primarily by a local, State, or Federal government agency.

**Years of school completed.**—The data on years of school completed were derived from the answers to the two questions: (a) "What is the highest grade (or year) of regular school he has ever attended?" and (b) "Did he finish the highest grade (or year) he attended?" Persons whose highest grade of attendance was in a foreign school system, or in an ungraded school whose highest level of schooling was measured by "readers," or whose training was received through a tutor were instructed to report the approximate equivalent grade in the regular United States school system. A person was reported as not having completed a given grade if he dropped out or failed to pass the last grade attended.

**Residence in 1965.**—Residence on April 1, 1965, is the usual place of residence five years before enumeration. The category "same house" includes all persons five years old and over who did not move during the five years as well as those who had moved but by 1970 had returned to their 1965 residence. The category "different house" includes persons who, on April 1, 1965, lived in the United States in a different house from the one they occupied on April 1, 1970, and for whom sufficient information concerning the 1965 residence was collected. These persons were subdivided into three groups according to their 1965 residence in or outside a standard metropolitan statistical area: "in central city of this SMSA," "in other part of this SMSA," and "outside this SMSA." The category

"abroad" includes those with residence in a foreign country or outlying area of the United States in 1965.

**Reference week.**—The data on employment status and place of work relate to the calendar week preceding the date on which the respondents completed their questionnaires or were interviewed by enumerators. This week is not the same for all respondents because not all persons were enumerated during the same week.

**Employment status.**—Employed persons comprise all civilians 16 years old and over who were either (a) "at work" — those who did any work at all as paid employees or in their own business or profession, or on their own farm, or who worked 15 hours or more as unpaid workers on a family farm or in a family business; or (b) were "with a job but not at work" — those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Persons are classified as unemployed if they were civilians 16 years old and over and: (a) were neither "at work" nor "with a job, but not at work" during the reference week, (b) were looking for work during the past 4 weeks, and (c) were available to accept a job. Persons who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off are also included as unemployed.

The "civilian labor force" consists of persons classified as employed or unemployed in accordance with the criteria described above. The "labor force" includes all persons in the civilian labor force plus members of the Armed Forces (persons on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard). All persons 16 years old and over who are not classified as members of the labor force are defined as "not in labor force." This category consists mainly of students, housewives, retired workers, seasonal workers enumerated in an "off" season who were not looking for work, inmates of institutions, disabled persons, and persons doing only incidental unpaid family work (less than 15 hours during the reference week). Of these groups, students and inmates are shown separately in selected tables.

**Place of work.**—Place of work refers to the geographic location at which civilians and Armed Forces personnel not on leave carried out their occupational or job activities during the reference week. For the purposes of this report, these locations were defined with respect to the boundaries of the standard metropolitan statistical area as "inside SMSA" and "outside SMSA." Locations within the SMSA, were subdivided into the central business district of the central city, the balance of that county, or, if outside that county, the specific county of the SMSA.

The central business district (CBD) is usually the downtown retail trade area of the city. As defined by the Bureau of the Census, the CBD is an area of very high land valuation characterized by a high concentration of retail business offices, theaters, hotels, and service businesses, and with a

high traffic flow. CBD's consist of one or more census tracts and have been defined only in cities with a population of 100,000 or more. In order to be counted as working in the CBD, the respondent had to give the exact address (street name and number) of his place of work. Since some respondents did not do this, the number of persons working in the CBD is usually understated by an unknown amount.

The exact address (number and street name) for the place of work was asked. Persons working at more than one job were asked to report the location of the job at which they worked the greatest number of hours during the reference week. Salesmen, deliverymen, and others who work in several places each week were requested to give the address at which they began work each day, if they reported to a central headquarters. For cases in which daily work was not begun at a central place each day, the person was asked to report the exact address of the place where he worked the most hours last week. If his employer operated in more than one location (such as a grocery store chain or public school system), the exact address of the location or branch where the respondent worked was requested. When the number or street name could not be given, the name of the building or the name of the company for which he worked was to be entered.

**Means of transportation to work.**—Means of transportation to work refers to the chief means of travel or type of conveyance used in traveling to and from work on the last day the respondent worked at the address given as his or her place of work. The "chief means" referred to the

means of transportation covering the greatest distance if more than one means was used in daily travel. "Worked at home" was marked by a person who worked on a farm where he lived or in an office or shop in his home.

**Occupation, industry, and class of worker.**—The data on these three subjects in this report are for employed persons 16 years old and over and refer to the job held during the reference week. For persons employed at two or more jobs, the data refer to the job at which the person worked the greatest number of hours. The occupation and industry statistics presented here are based on the detailed systems developed for the 1970 census: see 1970 Census of Population, **Classified Index of Industries and Occupations**, U. S. Government Printing Office, Washington, D. C., 1971.

**Income in 1969.**—Information on money income received in the calendar year 1969 was requested from persons 14 years old and over. "Total income" is the algebraic sum of the amounts reported separately for wage and salary income, nonfarm net self-employment income, farm 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 regularly received before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

"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. "Nonfarm net self-employment income" is defined as net money income (gross receipts minus business expenses) received from a business, professional enterprise, or partnership in which the person was engaged on his own account. "Farm net self-employment income" is defined as the net money income (gross receipts minus operating expenses) received from the operation of a farm by a person on his own account, as an owner, renter, or sharecropper.

"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 (under the National old-age, survivors, disability, and health insurance programs) before deductions of health insurance premiums. "Medicare" reimbursements are not included. Cash receipts from retirement, 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 excluded from this item. "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.

Although the income statistics cover the calendar year 1969, the characteristics of persons and the composition of families refer to the time of enumeration (April 1, 1970). For most families, however, the income reported was received by persons who were members of the family throughout 1969.

The median income is the amount which divides the distribution into two equal groups, one having incomes above the median and the other having incomes below the median. For families and unrelated individuals the median income is based on the distribution of the total number of families and unrelated individuals, including those with no income.

The mean income is the amount obtained by dividing the total in-

come of a particular statistical universe by the number of units in that universe. Thus, mean family income is obtained by dividing total family income by the total number of families. For the six types of income the means are based on families having those types of income.

Care should be exercised in using and interpreting mean income values in the statistics for small areas or small subgroups of the population. Since the mean is strongly influenced by extreme values in the distribution, it is especially susceptible to the effects of sampling variability, misreporting, and processing errors. The median, which is not affected by extreme values, is, therefore, a better measure than the mean when the population base is small. The mean, nevertheless, is shown in this report for most small areas and small subgroups because, when weighted according to the number of cases, the means can be added to obtain summary measures for areas and groups other than those shown in this report.

**Poverty status in 1969.**—Families and unrelated individuals are classified as being above or below the poverty level, using the poverty index adopted by a Federal Interagency Committee in 1969. This index provides a range of income cutoffs or "poverty thresholds" adjusted to take into account such factors as family size, sex and age of the family head, the number of children, and farm-nonfarm residence. The poverty cutoffs for farm families have been set at 85 percent of the nonfarm levels. These income cutoffs are updated every year to reflect the changes in the Consumer Price Index. The poverty threshold for a nonfarm family of four was \$3,743 in 1969. For a detailed explanation of the poverty

definition, see **Current Population Reports, Series P-23, No. 28, "Revisions in Poverty Statistics, 1959 to 1968."**

Households below the poverty level are defined as households in which the total 1969 income of the family or primary individual was below the poverty level. The incomes of persons in the household other than members of the family or the primary individual are not included when determining poverty status of a household.

The households for which poverty status is shown cannot be compared with the total number of households shown elsewhere. The former exclude those in certain types of housing units: owner-occupied units are restricted to one-family units on places of less than 10 acres and without a business on the property; and renter-occupied units exclude one-family units on places of 10 acres or more.

The "ratio of family income to poverty level" is obtained by dividing the income of a family by its corresponding poverty threshold. The "income deficit" is the difference between the total income of families and unrelated individuals below the poverty level and their respective poverty thresholds. In computing the income deficit, families reporting a net income loss are assigned zero dollars, and for such cases the income deficit is equal to the poverty threshold. The aggregate income deficit provides an estimate of the amount of money which would be required to raise the incomes of all poor families and unrelated individuals to their respective thresholds at the poverty level. The mean income deficit is the amount obtained by dividing the aggregate income deficit of a group below the poverty level by the number of families or unrelated individuals (as appropriate) in that group.

## HOUSING CHARACTERISTICS

### Housing units and group 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.

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 quarters 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 non-related persons who share living arrangements (except as described in the next paragraph on group quarters). For vacant units, the criteria for separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants whenever possible (or to the previous occupants if this information cannot be obtained). Both occupied and vacant housing units are included in the housing inventory, except that mobile homes, trailers, tents, etc., are included only if they are occupied.

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, monasteries, 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.

**Year-round housing units.**—Data on housing characteristics are limited to year-round housing units; i.e., all occupied units plus vacant units which are intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because it is difficult to obtain reliable information for them. Counts of the total housing inventory, however, are given for each area presented in this report.

**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.

**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 enumerated 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 because 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.

Vacant housing units are classified in this report as either "seasonal and migratory" (i.e., intended for seasonal occupancy or held for migratory labor) or "year-round." "Seasonal" units are intended for occupancy during only certain seasons of the year. "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.

Year-round vacant units are subdivided as follows: "for sale only"; "for rent" which also includes vacant units offered either for rent or for sale; and "other" which includes 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 being held off the market for other reasons.

**Tenure.**—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 oc-

cupied" 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.

**Persons.**—Persons occupying the housing unit 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 foster children or wards, servants who live in, companions, and partners.

**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 or if he moved from one apartment to another in the same building, the year he moved into his present unit was to be reported.

**Complete kitchen facilities.**—A unit has complete kitchen facilities when it has all three of the following for the exclusive use of the occupants of the unit: (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, although they need not be in the same room. Quarters with only portable cooking equipment are not considered as hav-

ing a range or cookstove. "Lacking complete kitchen facilities" means that the unit does not have all three specified kitchen facilities, or that they are also for the use of the occupants of other housing units.

**Access.**—"Access only through other living quarters" means that the occupants of a housing unit must go through someone else's living quarters to enter their own; that is, they do not have a direct entrance from the outside or through a common or public hall.

**Rooms.**—Rooms to be counted include whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Not counted as rooms are bathrooms, porches, balconies, foyers, halls, half-rooms, kitchenettes, strip or pullman kitchens, utility rooms, unfinished attics, basements, or other space used for storage.

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

**Year structure built.**—Year structure built refers to when the building was first constructed, not when it was remodeled, added to, or converted.

**Units in structure.**—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 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.

**Basement.**—Statistics on basements are presented in terms of the number of housing units located in structures built with a basement, and are separately tabulated for one-family houses with basements. A structure has a basement if there is enclosed space in which persons can walk upright under all or part of the building.

**Plumbing facilities.**—The category "with all plumbing facilities" consists of units which have hot and cold piped water, 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" 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.

**Selected equipment.**—Statistics are presented for the number of housing units with the following selected equipment.

*With more than one bathroom.*—A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water. A partial or half bathroom has at least a flush toilet or bathtub (or shower), but does not have all the facilities for a complete bathroom. A housing

unit "with more than one bathroom" has, in addition to one complete bathroom, one or more partial or complete bathrooms.

*With public water supply.*—A public system refers to a common source supplying running water to six or more housing units. The water may be supplied by a city, county, water district, or private water company, or it may be obtained from a well which supplied six or more housing units.

*With public sewer.*—A "public sewer" is connected to a city, county, sanitary district, neighborhood, or subdivision sewer system. It may be operated by a government body or by a private organization. Small sewage treatment plants which in some localities are called neighborhood septic tanks are also classified as public sewers.

*With air conditioning.*—Air conditioning is the cooling of air by a refrigeration unit. A central system is a central installation which air-conditions the entire housing unit. 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.

**Heating equipment.**—The list of heating equipment refers to the type of heating equipment and not to the fuel used. "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 the 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.

A housing unit "With central or built-in heating system" contains a steam or hot water system, a warm-air furnace, built-in electric units, or a floor, wall, or pipeless furnace.

**Automobiles available.**—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.

**Value.**—Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. The term "specified owner-occupied units" means that the value data are limited to owner-occupied one-family houses on less than ten acres, without a commercial establishment or medical office on the property. Owner-occupied cooperatives, condominiums, mobile homes, and trailers are excluded from the value tabulations.

**Mean value.**—Mean value is the sum of the individual values reported, divided by the number of owner-occupied units for which value is shown. For purposes of computation, the mid-

points of the intervals were used, except that a mean value of \$3,500 was assigned to housing units in the interval "less than \$5,000" and a mean of \$60,000 was assigned to units in the interval "\$50,000 or more."

**Contract rent.**—Contract rent is the monthly rent agreed to, or contracted for, even if the furnishings, utilities, or services are included. The term "specified renter-occupied units" means that the contract rent data 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.

**Gross rent.**—Monthly gross rent is the summation of contract rent plus the estimated average monthly cost of utilities (water, electricity, gas) and fuels (oil, coal, kerosene, wood, etc.), if these items are paid for by the renter, in addition to rent. Thus, gross rent is intended to eliminate individual differences which result from varying practices with respect to the inclusion of heat and utilities as part of the rental payment.

**Mean gross rent.**—Mean gross rent is the sum of the individual rental

amounts divided by the number of renter-occupied units, excluding one-family houses on ten acres or more.

**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 was computed separately for each unit and was rounded to the nearest whole number. Units for which no cash is paid and units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

## Appendix C.—ACCURACY OF THE DATA

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### SOURCES OF ERROR

Human and mechanical errors occur in any mass statistical operation such as a decennial census. Errors during the data collection phase can include failure to obtain required information from respondents, obtaining incorrect or inconsistent information, and recording information in the wrong place or incorrectly. Errors can also occur during the field review of the enumerator's work, the clerical handling of the questionnaires, 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.

In the manual editing and coding operation, a sample of the work of each coder was verified, and a coder who showed consistently high error rates was retrained. A coder who still did not produce work of acceptable quality after retraining was removed from the coding operation. In addition, provision was made for correction of any work units for which the error rate exceeded a maximum level. Information on error rates will be given in later publications.

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 population and housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for completeness by a census clerk or enumerator, and a followup was made for missing information. The major review occurred in the central processing office, where the editing and coding operation provided an opportunity to correct obvious errors in the respondents' entries for those items which required manual processing. In coding relationship to household head, for example, the clerk made use of written entries, which the computer is not able to read, in determining the correct entry where the machine readable item was blank or contained conflicting information. For a few of the items, the respondents' entries were reviewed for reasonableness or consistency on the basis of other information on the questionnaire. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in mechanical editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or merely spurious marks. If the

questionnaire contained entries for at least two of the basic characteristics (relationship, sex, race, age, marital status), or for at least two relevant sample characteristics, the inference was made that the marks represented a person. Names were not used as a criterion of the presence of a person because the electronic scanning was unable to distinguish between a name and any other entry in the name space.

If any characteristics for a person or housing unit were missing, they were, in most cases, supplied by allocation. Allocations, or assignments of acceptable codes in place of unacceptable entries, were needed most often where an entry for a given item was lacking or where the information reported for a person or housing unit on that item was inconsistent with other information for the person or housing unit. The assignment of acceptable codes in place of blanks or unacceptable entries, it is believed, enhances the usefulness of the data.

For housing data, 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." The technique may also be illustrated by the procedure used in the assignment for unknown age. The computer stored reported ages of persons by sex, race, household relationship, and marital status. Each stored age was retained in the computer only until a person having the same set of characteristics, and with age reported was processed through the computer in the edit operation; this stored age was assigned to the next person whose age was

unknown and who otherwise had the same set of specified characteristics.

The editing process also includes another type of correction; namely, the assignment of a full set of characteristics for a person. When there was indication that a housing unit was occupied but the questionnaire contained no information for any person, a previously processed household was selected as a substitute and the full set of characteristics for each substitute person was duplicated.

Specific tolerances were established for the number of computer allocations and substitutions 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 allocation for States, counties, and other areas will be shown in the allocation tables in chapters B and C of the 1970 Census of Population Volume I, **Characteristics of the Population**, and chapters A and B of Census of Housing Volume I, **Characteristics for States, Cities, and Counties**.

**SAMPLE DESIGN**

For persons living in housing units at the time of 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 nonmail 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 nonmail areas. As in other areas, every fifth housing unit of 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.

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

[Subjects marked with an asterisk (\*) were tabulated on a 100% basis for tables P-1, H-1, and H-3. All subjects shown in the tables for persons of Spanish heritage (P-7, P-8, and H-5) were tabulated on a 15% basis. The subjects covered in the remaining tables (P-2 to P-6, H-2, and H-4) were tabulated according to the sample rates shown below]

Population subjects	Sample rate (percent)	Housing subjects	Sample rate (percent)
*Sex .....	20	*All year-round housing units .....	20
*Race .....	20	*Occupied housing units: table H-2.	15
*Age .....	20	table H-4.	20
*Household relationship .....	20	*Cooperative or condominium .....	—
*Family composition .....	20	*Vacancy status .....	—
*Marital status .....	—	*Tenure of housing unit .....	—
Children ever born .....	20	Year moved into unit .....	15
Country of origin .....	15	*Number of rooms .....	—
Nativity and parentage .....	15	*Size of household (persons) .....	—
School enrollment .....	15	*Persons per room .....	—
Years of school completed .....	20	*Plumbing facilities .....	—
Residence in 1965 .....	15	Bathrooms .....	15
Employment status .....	20	Source of water .....	15
Place of work .....	15	Sewage disposal .....	15
Means of transportation to work ..	15	*Complete kitchen facilities .....	—
Occupation .....	20	*Access .....	—
Industry .....	20	Units in structure .....	20
Class of worker .....	20	Year structure built .....	20
Income .....	20	Basement .....	20
Poverty status .....	20	Heating equipment .....	20
		Air conditioning .....	15
		Automobiles available .....	15
		*Value .....	—
		*Contract rent .....	—
		Gross rent .....	20

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 C.

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 large areas the deviation from 20 percent was found to be quite small. Biases may have arisen when the enumerator failed to follow his listing and sampling instructions exactly. Quality control procedures were used throughout the census process, however, and where there was clear evidence that the sampling procedures were not properly followed, the work was returned to the field for re-sampling. No attempt at sampling was made for 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. The ratio estimation procedure described below adjusts the sample data to reflect these classes of population and housing units.

**RATIO ESTIMATION**

The statistics based on 1970 census sample data are estimates made through the use of ratio estimation procedures, applied separately for the 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." A single set of weighting areas, containing a minimum population size of 2,500, was defined for use with the 15- and 20-percent samples. Weighting areas were established by mechanical operation on the computer and were defined to conform, as nearly as possible, to areas for which tabulations are produced. In general, sample estimates for a tract may be expected to agree with complete counts whenever the tract was a weighting area. However, tracts were not weighting areas whenever the population was less than 2,500 persons, where the tract was a part of more than one county subdivision or place, or where the Census procedure was not the same in all parts of the tract. In these situations, part of a tract may have been combined with other partial or complete tracts to make up a weighting area and sample estimates for an individual tract in the combination may not agree with complete counts for the tract.

Separate ratio estimation processes were used for persons and for housing units. The ratio estimation process for persons operated in three stages. The first stage employed 19 household-type groups (the first of which was empty by definition). The second stage used two groups, head of household and not head of household, and the third stage used 24 age-sex-race groups.

<i>Group</i>	STAGE I
	<i>Male Head With Own Children Under 18</i>
1	1-person household
2	2-person household
3	3-person household
.	.
.	.
6	6-or-more-person household
	<i>Male Head Without Own Children Under 18</i>
7-12	1-person to 6-or-more-person households
	<i>Female Head</i>
13-18	1-person to 6-or-more-person households
19	<i>Group Quarters Persons</i>
	STAGE II
20	<i>Head of Household</i>
21	<i>Not Head of Household (including persons in group quarters)</i>
	STAGE III
	<i>Male Negro</i>
22	Age under 5 years
23	5-13
24	14-24
25	25-44
26	45-64
27	65 and older
	<i>Male, Not Negro</i>
28-33	Same age groups as for Male Negro
	<i>Female Negro</i>
34-39	Same age groups as for Male Negro
	<i>Female, Not Negro</i>
40-45	Same age groups as for Male Negro



The ratio estimation process for housing 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.

**Occupied housing units:**

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

**Vacant housing units:**

Group	STAGE I
23	Year-round vacant for sale
24	Year-round vacant for rent
25	Other vacant

At each stage, for each of the groups, the ratio of the complete count to the weighted sample count in the group was computed and applied to the weight of each sample person or housing unit in the group. For population, this operation was performed for each of the 19 groups in the first stage, then for the two groups in the second stage and finally for the 24 groups in the third stage. For occupied housing units this was performed first for the 18 groups in the first stage and then for the 4 groups in the second stage.

As a rule, the weighted sample counts within each of the groups in the final stage should agree with the complete counts for the weighting areas. Close, although not exact, consistency can be expected for the groups in the preceding stages. 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. As a result, sample estimates at the tract level may not agree with complete counts when the tract did not form a weighting area. Generally, for 15- and 20-percent items, there may be such a difference whenever the population in the tract is less than 2,500 people. Furthermore, in order to increase the reliability, a separate ratio was not computed in a ratio estimation group whenever certain criteria pertaining to the complete counts and the magnitude of the weight were

not met. For example, for the 15- and 20-percent population sample the complete count of persons in a group had to exceed 85 persons 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, consistency 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 person or 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 persons or housing 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 persons and housing units 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 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 sample tabulations are subject to sampling variability. The standard errors of these estimates can be approximated by using the data in tables D through F. 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 of the population 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 2½ 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 F in conjunction with table D for absolute numbers and in conjunction with table E for percentages. In addition to sampling errors, 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 D 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 population of the area over which the data have been compiled are ignored. Table E shows standard errors of most percentages based on

the 20-percent sample. Linear interpolation in tables D and E will provide approximate results that are satisfactory for most purposes. Table F provides a factor by which the standard errors shown in tables D or E should be multiplied to adjust for the combined effect of the sample size (i.e., whether a 20-percent or 15-percent sample) the sample design and the estimation procedure.

To estimate the standard error for a given characteristic based on the 15-percent sample, or for a more precise estimate for the 20-percent sample, locate in table F the factor applying to the characteristic and sample size used to tabulate the data and multiply this factor by the standard error found in table D or E. If the estimate is not identified in table F, use the factor shown for "all other." Where data are shown as cross-classifications of two characteristics, locate and use the larger factor. Similarly, if an item collected on a 20-percent basis has been tabulated for the 15-percent sample, use the factor appropriate for the 15-percent 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 1970 sample statistics 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 characteristic 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 D through F. The standard error of a 25-percent 1960 sample figure may be obtained from the relevant 1960 census report or an approximate value may be obtained by multiplying the appropriate value in table D or E by 0.9.
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 years of school completed, median 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

APPENDIX C—Continued

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 D, following the method outlined in other parts of this section, compute the standard error of an estimated number equal to  $N/2$ . Subtract this standard error from  $N/2$ . Cumulate the frequencies (in the table on which the median is based) until the total first exceeds the difference between  $N/2$  and its standard error and by linear interpolation obtain a value corresponding to this number. In a corresponding manner, add the standard error to  $N/2$ , cumulate the frequencies in the table, and obtain a value in the table on which the median is based corresponding to the

sum of  $N/2$  and its standard error. The chances are about 2 out of 3 that the median would lie between these two values. The range for 19 chances out of 20 and for 99 in 100 can be computed in a similar manner by multiplying the standard error by the appropriate factors before subtracting from and adding to one-half the number reporting the characteristic. Interpolation to obtain the values corresponding to these numbers gives the confidence limits for the median.

The sampling variability of a mean, such as the number of children ever born per 1,000 women or mean income, presented in certain tables, depends on the variability of the distribution on which the mean is based, the size of the sample, the sample design, (for example, the use of house-

holds as the sampling unit), and the use of ratio estimates.

An approximation to the variability of the mean may be obtained as follows: compute the standard deviation of the distribution on which the mean is based; divide this figure by the square root of one-fifth of the total units in the distribution; multiply this quotient by the factor from table F appropriate to the statistic and the actual sample rate on which the mean is based. If the distribution is not published in the detailed tables, calculate the standard deviation from a comparable distribution for a larger area or for a similar population group; divide by the square root of one-fifth of the units on which the mean of interest is based; multiply the quotient by the factor from table F.

TABLE D. Approximate Standard Error of Estimated Number Based on 20-Percent Sample (Range of 2 chances out of 3)

Estimated number (persons or housing units)	Standard error	Estimated number (persons or housing units)	Standard error
50 .....	15	1,000 .....	60
100 .....	20	2,500 .....	85
250 .....	30	5,000 .....	100
500 .....	45		

TABLE E. Approximate Standard Error of Estimated Percentage Based on 20-Percent Sample (Range of 2 chances out of 3)

Estimated percentage	Base of percentage (persons or housing units)					
	500	1,000	2,500	5,000	10,000	15,000
2 or 98 .....	1.3	0.9	0.6	0.4	0.3	0.2
5 or 95 .....	2.0	1.4	0.9	0.6	0.4	0.4
10 or 90 .....	2.7	1.9	1.2	0.8	0.6	0.5
25 or 75 .....	3.9	2.7	1.7	1.2	0.9	0.7
50 .....	4.5	3.2	2.0	1.4	1.0	0.8

APPENDIX C—Continued

TABLE F. Factor to be Applied to Standard Errors

[Subjects marked with an asterisk were tabulated on a 100% basis for tables P-1, H-1, and H-3.  
Standard errors are not applicable to these tables]

Population subjects <sup>1</sup>	Sample rate (percent)	Factor	Housing subjects <sup>1</sup>	Sample rate (percent)	Factor
*Race .....	20	1.6	*Tenure .....	20	0.2
*Age .....	20	0.8	*Rooms .....	20	1.0
*Household relationship .....	20	0.5	*Persons per room .....	20	0.4
*Family composition .....	20	0.6	*Value .....	20	1.0
Country of origin (including Spanish heritage subjects) .....	15	1.6	Units in structure .....	20	0.8
Nativity and parentage .....	15	1.7	Year structure built .....	20	0.9
School enrollment .....	15	1.0	Heating equipment .....	20	0.8
Years of school completed .....	20	1.0	Basement .....	20	0.9
Residence in 1965 .....	15	2.0	Source of water .....	15	1.0
Employment status .....	20	0.8	Sewage disposal .....	15	1.0
Place of work .....	15	1.3	Air conditioning .....	15	1.1
Means of transportation to work .....	15	1.3	Year moved into unit .....	15	1.1
Occupation .....	20	1.1	Gross rent .....	20	0.9
Industry .....	20	1.1	All other—20 percent .....	20	1.0
Class of worker .....	20	1.1	—15 percent .....	15	1.2
Income—persons .....	20	1.0			
—families .....	20	1.0			
Poverty status—persons .....	20	1.9			
—families .....	20	1.0			
All other—20 percent .....	20	1.0			
—15 percent .....	15	1.2			

<sup>1</sup>Tabulations of data for persons of Spanish heritage are based on the 15-percent sample. For subjects shown in this table as based on the 20-percent sample, the factor for persons of Spanish heritage is obtained by multiplying the appropriate factor in this table by 1.2. For subjects shown as based on the 15-percent sample, the factor in this table can be used directly.

## 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.

### 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 cloth-bound 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, standard metropolitan statistical areas (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 will 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 will be 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.

### 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 cloth-bound 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), 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), will cover most of the 1970 census housing subjects in considerable detail and cross-classification. There will be 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 "sub-standard" 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 and regional 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.

**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 will consist 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 54 cities and seven rural poverty areas. Each report will provide 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 will be 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 will generally be 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**—will contain 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 will be available only on tape.

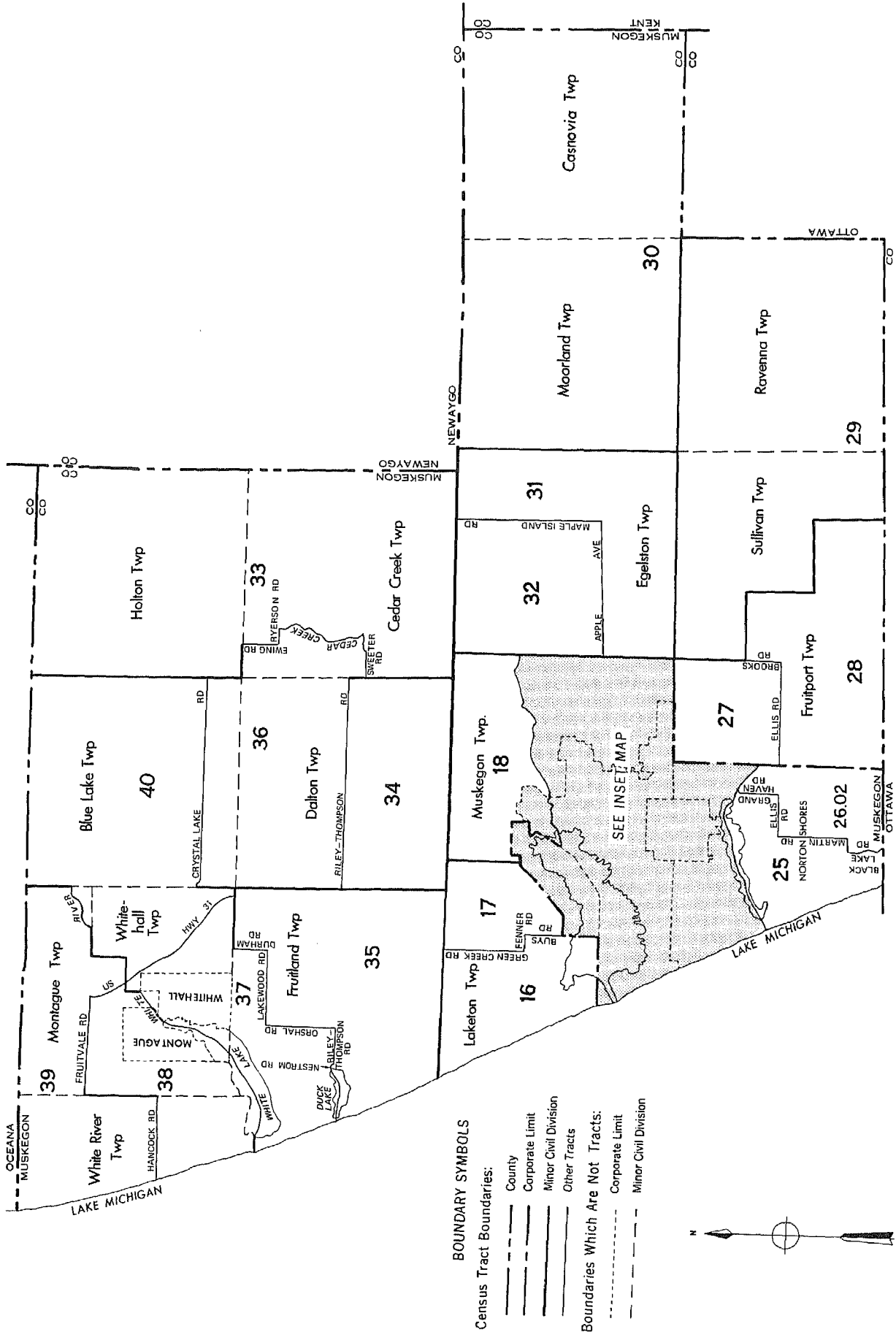
**Sixth Count**—source of the PC(1)-D and HC(2) reports; will contain about 260,000 cells of data covering the subjects in these reports and tabulated for States, SMSA's, and large cities.

The tapes will generally be organized on a State basis. To use the First Count and Third Count tapes, it will be 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 will make available for purchase certain sample tape files containing population and housing characteristics as shown on individual census records. These files will contain no names or addresses, and the geographic identification will be sufficiently broad to protect confidentiality. There will be six files, each containing a 1-percent national sample of persons and housing units. Three of the files will be 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 will provide a different type of geographic information: One will identify individual large SMSA's and, for the rest of the country, groups of counties; the second will identify individual States and, where they are sufficiently large, will provide urban-rural and metropolitan-nonmetropolitan detail; and the third will identify State groups and size of place, with each individual record showing selected characteristics of the person's neighborhood.

# CENSUS TRACTS IN THE MUSKEGON-MUSKEGON HEIGHTS, MICH. SMSA



# CENSUS TRACTS IN THE MUSKEGON-MUSKEGON HEIGHTS, MICH. SMSA

## INSET MAP - MUSKEGON - MUSKEGON HEIGHTS

