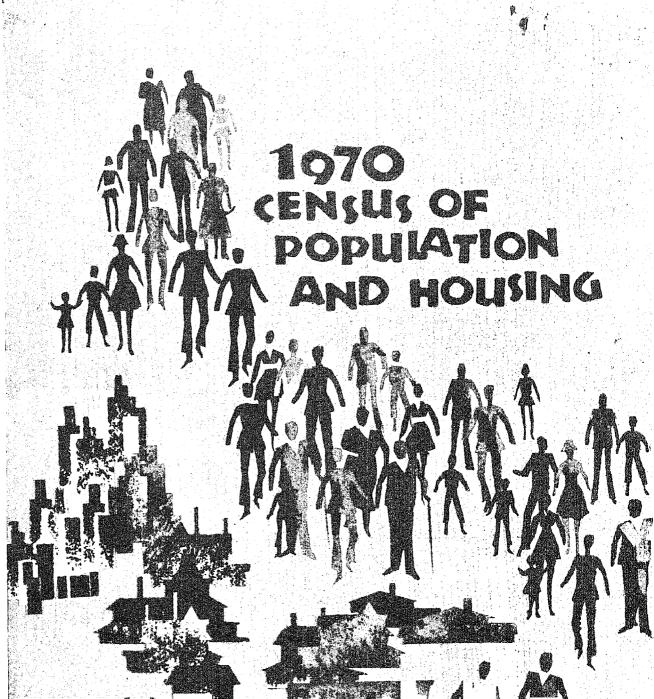


PHC(1)-98

Census Tracts

KALAMAZOO, MICH. STANDARD METROPOLITAN STATISTICAL AREA



U.S. DEPARTMENT OF COMMERCE

Social and Economic Statistics Administration

BUREAU OF THE CENSUS

U. S. DEPARTMENT OF COMMERCE

Peter G. Peterson, Secretary

James T. Lynn, Under Secretary

Harold C. Passer, Assistant Secretary for Economic Affairs

and Administrator,

Social and Economic Statistics Administration

BUREAU OF THE CENSUS

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

POPULATION DIVISION

Herman P. Miller, Chief

HOUSING DIVISION

Arthur F. Young, Chief

ACKNOWLEDGMENTS—Many persons participated in the various activities of the 1970 census. Primary direction of the program was performed by Conrad Taeuber, Associate Director for Demographic Fields, assisted by David L. Kaplan, 1970 Census Coordinator, and in conjunction with Joseph F. Daly, then Associate Director for Research and Methodology, William I. Merkin, Associate Director for Administration, and Paul R. Squires, Associate Director for Data Collection and Statistical Processing.

The population section of this report was planned and written under the supervision of Herman P. Miller, Chief, Population Division, and Paul C. Glick, Henry D. Sheldon, and Murray S. Weitzman, Assistant Division Chiefs, with the assistance of Elizabeth A. Larmon and Ruth H. Mills. The following Branch Chiefs were responsible for the material on the indicated fields of specialization: Ethnic Statistics-Tobia Bressler; Demographic Statistics-Charles P. Brinkman; Fertility Statistics-Wilson H. Grabill; Economic Statistics—Stanley Greene; Marriage and Family Statistics— Robert O. Grymes; Educational and Social Stratification—Charles E. Johnson, Jr.; Consumer Income Statistics—Mitsuo Ono; Poverty Statistics-Arno I. Winard. Important contributions to the processing and review of the data were made by Aaron O. Handler, Kristin A. Hansen, and Rockwell Livingston.

The housing section of this report was planned and written under the supervision of Arthur F. Young, Chief, Housing Division, by Aaron Josowitz, Assistant Division Chief, Nathan Krevor, Chief, Coordination and Research Branch, and Paul F. Coe. Important contributions to the processing and review of the data were made by Peter J. Fronczek.

The procedures for sample selection, sample weighting, and computation of sampling

variances were developed in the Statistical Methods Division, under the supervision of Joseph Waksberg, Chief, and Morton Boisen and Robert H. Hanson, Assistant Division Chiefs, assisted by William T. Alsbrooks, Peter A. Bounpane, Barbara A. Boyes, and Carlton W. Pruden.

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

Data collection activities were administered by the Field Division, Jefferson D. McPike, then Chief, and Richard C. Burt and Dean H. Weber, Assistant Division Chiefs, with the assistance of the directors of the Bureau's data collection centers.

Systems and processing procedures were developed under the direction of Morris Gorinson, Assistant Division Chief, Census Planning Division. Florence Wright, assisted by John F. Powell, Orville M. Slye, and Erne Wilkins, was responsible for the clerical procedures, and Roger O. Lepage, assisted by John Murphy, Jr., Margaret P. Brooks, and Howard R. Dennis, was responsible for the computer programming. Donald R. Dalzell was responsible for the computer procedures and programs used for the electronic preparation of the tables in this report.

The manual processing and microfilming of the questionnaires and the review of tabulation controls were performed in the Jeffersonville Census Operations Division, under the direction of Joseph F. Arbena, then Chief, and Robert L. Hagan, then Population and Housing Census Operations Manager, with the assistance of Rex L. Pullin. The manual coding operations were supervised by John C. Campbell, assisted by Herbert J. Hough, Joe D. Kolb, and Leo C. Schilling. William L. Pangburn, supervised the microfilming operation. Dan N. Harding, assisted by Nora H. Shouse, was responsible for the tabulation review work.

FOSDIC and computer processing were performed in the Computer Facilities Division under the supervision of James R. Pepal, Chief, and E. Richard Bourdon and James W. Shores, Assistant Division Chiefs. Development of the FOSDIC equipment was directed by William M. Gaines, Assistant Division Chief, and McRae Anderson. Development of the automatic microfilming equipment was directed by Anthony A. Berlinsky.

Publications planning, editing, and printing were performed in the Administrative and Publications Services Division, Cecil B. Matthews, Chief, under the direction of Raymond J. Koski, Assistant Division Chief, and Gerald A. Mann.

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

Library of Congress Card No. 73-186611

SUGGESTED CITATION

U.S. Bureau of the Census Census of Population and Housing: 1970 CENSUS TRACTS Final Report PHC(1)-98 Kalamazoo, Mich. SMSA

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

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

Price 55 cents

1970 (ENSUS OF POPULATION AND HOUSING

Census Tracts

KALAMAZOO, MICH. STANDARD METROPOLITAN STATISTICAL AREA

CUI	AIENIS	page
	List of PHC(1) Census Tract Reports	!!
	Introduction	١٧
	Comparability of Census Tracts, 1960-1970	VII
	Appendix A, Area Classifications	App-1
	Appendix B, Definitions and Explanations of Subject Characteristics	Арр-3
	Appendix C, Accuracy of the Data	App-13
	Appendix D, Publication and Computer Summary Tape Program	App-20
TAB	LES	
F	POPULATION CHARACTERISTICS	
P-1	General Characteristics of the Population: 1970	P-1
P-2	Social Characteristics of the Population: 1970	P-5
P-3	Labor Force Characteristics of the Population: 1970	P-9
P-4	Income Characteristics of the Population: 1970	P-13
P-5	General and Social Characteristics of the Negro Population: 1970	P-17
P-6	Economic Characteristics of the Negro Population: 1970	P-18
P-7	General and Social Characteristics of Persons of Spanish Language: 1970	P-19
P-8	Economic Characteristics of Persons of Spanish Language: 1970	P-20
ŀ	HOUSING CHARACTERISTICS	
H-1	Occupancy, Utilization, and Financial Characteristics of Housing Units: 1970	H-1
H-2	Structural, Equipment, and Financial Characteristics of Housing Units: 1970	H-5
H-3	Occupancy, Utilization, and Financial Characteristics of Housing Units With Negro Head of Household: 1970	H-9
1-4	Structural, Equipment, and Financial Characteristics of Housing Units With Negro Head of Household: 1970	H-10
1-5	Characteristics of Housing Units With Household Head of Spanish Language: 1970	H-11
	identifying the tracts covered herein are included in or	

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	1	Report		Report	1
number	Area	number	Area	number	Area
4	Abitana Tau	41	Charlesto N.C.*	81	Great Falls, Mont.
1 2	Abilene, Tex. Akron, Ohio	41 42	Charlotte, N.C.* Chattanooga, TennGa.	82	Green Bay, Wis.
	3			83	Greensboro-Winston-Salem-High Point, N.C.
3	Albany, Ga.	43	Chicago, III.	84	
4	Albany-Schenectady-Troy, N.Y.	44	Cincinnati, Ohio-KyInd.	1	Greenville, S.C.
5	Albuquerque, N. Mex.	45	Cleveland, Ohio	85	Hamilton-Middletown, Ohio
6	Allentown-Bethlehem-Easton, PaN.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, GaAla.	89	Houston, Tex.*
10	Anderson, Ind.	50	Columbus, Ohio	90	Huntington-Ashland, W. VaKy 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-III.	93	Jackson, Mich.
14	Atlanta, Ga.*	54	Dayton, Ohio	94	Jackson, Miss.
15	Atlantic City, N.J.	55	Decatur, III.	95	Jacksonville, Fla.
16	Augusta, GaS.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, MoKans.*
20	Baton Rouge, La.*	60	Duluth-Superior, MinnWis.	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.YPa.	65	Evansville, IndKy.	105	Lancaster, Pa.
	•				
26	Birmingham, Ala.	66	Fall River, MassR.I.	106	Lansing, Mich.
27	Bloomington-Normal, III.	67	Fargo-Moorhead, N. DakMinn.	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, MassN.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, ArkOkla.	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, III.	78	Galveston-Texas City, Tex.	118	Louisville, KyInd.
39	· · · · · · · · · · · · · · · · · · ·	79	Gary-Hammond-East Chicago, Ind.	119	Lowell, Mass.
40		80	Grand Rapids, Mich.*	120	Lubbock, Tex.
•	•			,	··· = ==== .

l Danast		Report		Report	
Report number	Area	number	Area	number	Area
HUILIDEI	71102				
121	Lynchburg, Va.*	161	Pine Bluff, Ark.	201	Spokane, Wash.
122	Macon, Ga.*	162	Pittsburgh, Pa.	202	Springfield, III.
123	Madison, Wis.	163	Pittsfield, Mass.	203	Springfield, Mo.
124		164	Portland, Maine*	204	Springfield, Ohio
	Manchester, N.H.	165	Portland, OregWash.	205	Springfield-Chicopee-Holyoke, MassConn.
125	Mansfield, Ohio	103		200	Ct-mford Conn
126	McAllen-Pharr-Edinburg, Tex.	166	Providence-Pawtucket-Warwick, R.IMass.*	206	Stamford, Conn. Steubenville-Weirton, Ohio- W. Va.
127	Memphis, TennArk.	167	Provo-Orem, Utah	207	
128	Meriden, Conn.	168	Pueblo, Colo.	208	Stockton, Calif.
129	Miami, Fla.	169	Racine, Wis.	209	Syracuse, N.Y.
130	Midland, Tex.	170	Raleigh, N.C.	210	Tacoma, Wash.
130	midiatid, 16X.	"	•	211	Tallahassee, Fla.
131	Milwaukee, Wis.*	171	Reading, Pa.	212	Tampa-St. Petersburg, Fla.
132	Minneapolis-St. Paul, Minn.	172	Reno, Nev.	213	Terre Haute, Ind.
133	Mobile, Ala.	173	Richmond, Va.	213	Texarkana, TexArk.
134	Modesto, Calif.	174	Roanoke, Va.	215	Toledo, Ohio-Mich.
135	Monroe, La.	175	Rochester, Minn.	213	Toledo, Otto Milon
	momos, au.	1		216	Topeka, Kans.
136	Montgomery, Ala.	176	Rochester, N.Y.	217	Trenton, N.J.
137	Muncie, Ind.	177	Rockford, III.	218	Tucson, Ariz.
138	Muskegon-Muskegon Heights, Mich.	178	Sacramento, Calif.*	219	Tulsa, Okla.
139	Nashville-Davidson, Tenn.	179	Saginaw, Mich.	220	Tuscalposa, Ala.
140	New Bedford, Mass.	180	St. Joseph, Mo.		
1			O. 1	221	Tyler, Tex.
141	New Britain, Conn.	181	St. Louis, MoIII.*	222	Utica-Rome, N.Y.
142	New Haven, Conn.*	182	Salem, Oreg.	223	Vallejo-Napa, Calif.
143	New London-Groton-Narwich, Conn.*	183	Salinas-Monterey, Calif.	224	Vineland-Millville-Bridgeton, N.J.
144	New Orleans, La.	184	Salt Lake City, Utah	225	Waco, Tex.
145	New York, N.Y.	185	San Angelo, Tex.	200	Washington, D.CMdVa.
1		186	San Antonio, Tex.	226	
146	Newark, N.J.*	187	San Bernardino-Riverside- Ontario, Calif.	227	Waterbury, Conn.*
147	Newport News-Hampton, Va.*		San Diego, Calif.	228	
148	Norfolk-Portsmouth, Va.*	188	San Francisco-Oakland, Calif.	229	
149	Norwalk, Conn.*	189	San Jose, Calif.	230	Wheeling, W. VaOhio
150	Odessa, Tex.	190	Sall Juse, Cant.	231	Wichita, Kans.
1	O to Book	191	Santa Barbara, Calif.	232	
151	Ogden, Utah	192	Santa Rosa, Calif.	233	
152	Oklahoma City, Okla.	193	Savannah, Ga.	234	
153	Omaha, Nebrlowa	194	Scranton, Pa.	235	
154	Orlando, Fla.	195			-
155	Oxnard-Ventura, Calif.	199	Obstitut Literated Training	236	
156	Paterson-Clifton-Passaic, N.J.	196	Sherman-Denison, Tex.	237	
157	•	197	_	238	
158	-	198	***	23	
		199	·	24	
159	•	200		24	1 San Juan, P.R.
160	Phoenix, Ariz.	, 200			

INTRODUCTION

APPENDIXES

A. Area Classifications	App-1
B. Definitions and Explanations of Subject Characteristics.	Арр-3
C. Accuracy of the Data	App-13
D. Publication and Computer Summary Tape Program	

GENERAL	J
Organization of the text IV	J
Content of the tables	V
Sample size	V
Derived figures (percents, medians, etc.)	v
Symbols	V
Boundaries	٧
DATA COLLECTION PROCEDURES .	٧
PROCESSING PROCEDURES \	71

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 Appendix A describes area tables. classifications, defines census tracts, and traces some of the history of the development of census tract statis-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 All tables are as for the tracts. 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 abovementioned 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 vears 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.

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 crosstabulation 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 mailedback 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 particular household any answered.

In the metropolitan and adjacent areas, the designated type of questionnaire was sent to each household. In the remaining areas, the questionnaire

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. 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

[Area tracted is the same as in 1960. The tables list only those census tracts for which the boundaries or identification changed between 1960 and 1970]

Little Libered 12		same as in 1500. The tables hat of
1970 tract		1960 tract
KALAMAZO	o co	UNTY, MICH.
0001		0001 C-0014-B PART
0005		0005
		C-0015-B PART 0007 PART
	• •	0012 PART
0013	• •	C-0013 C-0014-B PART
0014.01.		0014-A
0014.02.		C-0014-B PART
0015.01.		C-0015-C
0015.02.	: :	C-0015-B PART C-0015-B PART
0015.04.		0007 PART
		0015-A PART C-0015-B PART
0015.05.		0015-8 PART
		C-0029 PART
		0016 PART
0016.02.	• •	OO16 PART
0017.01.	: :	0017 PART 0012 PART
55111021	•	0017 PART
		0018-A
0018.02.	• •	0018-B
0018.03.		C-0019-A PART C-0018-C
	: :	
0019.02.		C-0019-B PART
0019.03.	: :	C-0019-B PART
	: :	C-0020
0021		
0022.01.	• •	C-0022 PART
0022.02.	• •	C-0022 PART C-0023
0024	: :	C=0023
0025	•	C-0025
		C-0026 PART
0026.02.		C-0026 PART
0027		C-0027
0028		C-0028
	• •	C-0029 PART C-0030
	: :	C-0030 C-0031 PART
		C-0032 PART
0031.02.		C-0031 PART
0032		C-0031 PART C-0032 PART
0033		C-0032 PART
	: :	C-0034

Table B. Tract Comparability: 1960 to 1970

[Area tracted is the same as in 1960. The tables list only those census tracts for which the boundaries or identification changed between 1960 and 1970]

1960 tract		1970 tract
KALAMAZO	o cou	JNTY, MICH.
9001	٠.	0001 PART
0005	٠.	0005 PART
0007	• •	0007 0015•04 PART
0012		0012
1012		0017.02 PART
0014-A .		0014.01
0015-A .	• •	0015.04 PART
		0015.05 PART
0016	٠.	0016.01
0017		0016.02 0017.01
1 2017		0017.01 0017.02 PART
0018-A .		0018.01
0018-8		0018.02 PART
1		
C-0013 .		0013 PART
C-0014-8		0014.02
		OOO1 PART
		QO13 PART
C-0015-B	• •	0015+02
		0015.03 0005 PART
1		0015:04 PART
C-0015-C		0015 01
C-0018-C		0018:03
C-0019-A		0019.01
		0018.02 PART
C-0019-8		0019.02
		0019.03
C-0020 •		0020
C-0021 .		0021 0022•01
C-0022	• •	0022+01
		0022102
C-0023		0023
C-0024		0024
C-0025		0025
C-0026		0026.01
}		0026.02
C-0027		0027
		0028
C-0029		0029 0015:05 PART
c-0030		0015.05 PART
C-0031	• • •	0031.02
1 0-0051		0031.01 PART
		0032 PART
C-0032		0031.01 PART
		0032 PART
1		
C-0033		
C-0034		0034

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

Total Information Person			Kalamazoo						Kalomo	200			
Mare 19 59 14 15 15 15 15 15 15 15	Census Tracts	Total	Kalamazoo	Portage	Bolance	Tract 0001							Tract 0008
Maine	RACE												i
## AGE 15 1.5													2 666 2 511
AGE BY SEX 1991 9 10 10 10 10 10 10	Negro	9 579	8 534	145	900	982	2 166	3 224	337	141	282	144	111
Martin 1976	•	4.0	10.0										
Section												1 266	1 164
September	3 and 4 years	3 391	1 239	699	1 453	73	59	121	26	56	56	- 8	93 32 70 9
10 10 20 22 22 25 25 25 25 2	5 years	1 876	643	417	816	41	28	73	8	29	31	-	9
5. to 7. years	10 to 14 years	10 462	3 292	2 359	4 811	188	146	301	44	116	116		12 67 9
15 years	15 to 19 years	11 101	5 416	1 662	4 023	171	136	237 68	8	373 29	22	18	97 16
18 years	16 years	2 004	684	399	862	31	26	43	11	27	27 33	15	97 16 14 15 23 29 237 51
23 yests	18 years	2 576	1 754	210	612	18	27	42		140	204	8	23 29
25 in 34 years	20 years	2 462	1 762	165	535	23	26	47	23	208	265	14	51 62
de 19 4 years 9 970 3 592 1 786 2 544 152 122 123 174 175 186 4 2 123 173 174 1875 1875 1879 1875 1879 1875 1879 1875 1879 1875 1879 1879 1879 1879 1879 1879 1879 1879	25 to 34 years	12 669	4 874	2 389	5 406	210	105	328	68	247	493	147	171
60 to 64 years.	45 to 54 years	9 902	3 592	1 766	4 544	152	126	184	43 24	121	173 87	174 141	105 96 42 55 71
2 250 1 250 1 250 1 250 1 250 1 250	60 to 64 years	3 268	1 513	337	1 418	65	101 93	81 128	24 33	69	134	189	55 71
Section Sect	75 years and over	2 252	1 205										60 1 502
1	Under 5 years	8 396	3 295	1 577	3 524	185	134	339	56	144	251	-	79 27
\$\frac{\phi}{\phi}\squares\rightarrow{\phi}{\phi}\squares\ri	5 to 9 years	9 541	3 074	2 153	4 314	142	146	346	41	99	138 31	1	66 17
14 years	6 years	1 867	627	406	834	22	28	289	35	104	136		17 61
1 1 1 2 2 636	14 years	1 984	668	435	881	49 173	36 155	262	65	378	278	50	12 217
1 1 1 2 3 3 3 2 4 2 3 3 4 2 3 4 3 3 4 3 3 4 3 3	15 years	1 922	636	368	822	47	43	48	9	20	22	12	13 10
20 years	17 years18 years	3 033	1 968	309	756	30	21	52	20	159	70	10	13 83 98
21 veries	20 to 24 years	12 486	7 892	1 133	3 461	197	112	299	104 26	631	1 170	43	276
\$5 he 44 years.	21 years	3 067	2 104	250	713	33	27	76	28	210	341	7	93 75 143
SS 10 74 years	35 to 44 years	11 054	3 660	2 451	4 943	154	133	233	63	135	171 254	153 261	91 134
Section Sect	55 to 59 years	4 300	1 948	471	1 881	70	77 59	117 100	25 18	63	163	145	84 78
### RELATIONSHIP TO HEAD OF HOUSEHOLD ### All persons All persons 201 550 85 555 33 590 82 405	65 to 74 years	5 312	2 882							155 188			147 126
All persons 2015 300					1								
Head of loweshold.	All persons			33 590								2 493	2 666 2 448
Primary individual. 11 820 7 539 725 3 556 283 315 464 250 585 1 442 - 11 1820 7 539 725 3 556 283 315 464 250 585 1 442 - 11 1820 7 7 539 725 3 556 2371 965 154 696 1 198 - 11 1820 7 7 7 7 194 19 7 194 19 7 194 19 19 19 19 19 19 19 19 19 19 19 19 19	Head of household	59 406	25 799	9 029	24 578	1 130	894	1 756	495	1 403	2 890	-	1 205 534
Not related to head	Primary individual	11 820	7 539	725	3 556	283 655		965	154	696	1 198	-	671 422
Persons per household 3.15 2.84 3.72 3.28 3.02 3.02 3.16 2.35 2.47 2.24 -	Other relative of head	80 341	28 377 3 458	16 476 262	35 488 1 237	<i>1</i> 7	74	123	93	246	879	2 403	675 146 218
TYPE OF FAMILY AND NUMBER OF OWN CHILDREN All families A	In group quarters	14 145										2 473	2.03
CHILDREN		}	2.0										
With own children under 18 years 27 813 9 659 5 888 12 266 408 324 762 122 388 606 -		Į			}					***			E 9.4
Humber of children under 18 years A	With own children under 18 years	27 813	9 659	5 888	12 266	468	324	762	122	388	606	=	534 215 468
With own children under 18 years	Number of children	l .						965	154	696	1 198	_	422
Percent of total under 18 years 85.3 77.9 91.9 87.8 62.0 50.1 61.8 52.0 76.7 77.0	With own children under 18 years	25 018	8 119	5 538 13 311	26 702	829	536	1 391	170	727	905	_	168 346 66.9
With own children under 18 years	Percent of total under 18 years	85.3									46	-	19
Familles with female head	With own children under 18 years	306	137	49	120	13	9	19	6			-	3
Number of children 100 1	Families with female head	4 034	2 278	418	1 338				49	67	102	-	93 44
Persons under 18 years 68 463 23 569 14 488 30 406 1 337 1 070 2 249 327 924 1 176 147 MARITAL STATUS Male, 14 years old and over 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 486 30 888 10 856 28 742 1 159 929 1 713 434 1 854 2 972 1 225 Single 70 460 1 6 657 7 958 19 989 710 455 1 034 187 759 1 290 259 Septorted 70 460 1 786 439 68 279 35 58 40 20 21 34 43 Wildburd 70 45 1 786 439 68 279 35 58 40 20 21 34 43 Wildburd 70 45 1 786 439 68 279 35 58 40 20 21 34 43	Number of children	5 599	3 233	668	1 698	288	388	611		127		-	119 23.0
Male, 14 years old and over	•	1			- 1				327	924	1 176	147	517
Mole, 14 years old and over 70 486 30 888 10 836 26 742 137 227 538 190 995 1 493 810 Single 77 585 357 321 538 190 995 1 493 810 Morried 786 439 68 279 35 58 40 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 20 21 34 43 Separated 786 439 68 279 35 58 40 20 20 20 20 20 20 20 20 20 20 20 20 20	MARITAL STATUS												
Septented 1, 24 604 16 657 7 958 19 989 710 455 1 034 187 759 1 290 259 Married 1, 35 1 034 187 759 1 290 259 Septented 35 58 40 20 21 34 43 Septented 1, 522 789 129 604 43 82 68 12 51 67 43						357	321	538	190	995	1 493	810	943 355
Widowed 43 82 68 12 51 67 43	Married	44 604	16 657	7 958	19 989	710 35	455 58	1 034 40	20	21	34	43	464 31 33
Noveed 1767 1 043 160 564 49 71 73 45 49 122 113	Widowed	1 522	789	129	604	43	82			51 49	67 1 22	43 113	91
Female, 14 years old and over78 073 36 432 11 422 30 219 1 338 988 1 993 492 2 064 3 250 1 214	Female, 14 years old and over	78 073	36 432	11 422						924	1 182	453	1 308 478
Single 22 121 13 273 2 472 6 376 305 205 777 1 302 455 45 523 17 285 8 086 20 152 730 492 1 132 205 777 1 302 455 8 086 20 152 730 492 1 132 38 35 49 56	Married	45 523	17 285	8 086	20 152	730 54	492 88	1 132 131	205 38	777 35	1 302	455 56	486 44
Septrated 1 215 766 126 323 34 861 246 79 246 552 144 Widowed 7 220 4 023 547 2 650 189 151 246 79 246 552 144 Divorced 3 209 1 851 317 1 041 114 77 131 53 117 214 162	Widowed	7 220	4 023	547	2 650	189	151	246	79				225 119

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

	Kalamazoo – Con.												
Census Tracts	Tract 0009	Trect 0010	Tract 0011	Tract 0012	Tract 0014.01	Tract 0015.04	Tract 0015.05	Tract 0016.01	Tract 0016.02	Tract 0017.01	Tract 0017.02	Tract 0018.01	Tract 0018.02
RACE					· · · · · · · · · · · · · · · · · · ·	***************************************			····				
All persons White	2 139 1 729 393 18.4	7 392 7 294 69 0.9	2 979 2 871 93 3.1	3 602 3 564 16 0.4	4 186 4 070 101 2.4	7 710 7 417 223 2.9	6 238 6 086 106 1.7	2 528 2 502 7 0.3	2 747 2 735 6 0.2	3 833 3 765 38 1.0	3 278 3 222 50 1.5	4 338 4 295 29 0.7	4 646 4 623 16 0.3
Mele, all ages Under 5 yeors 3 and 4 years 5 to 9 yeors 5 yeors 6 yeors 10 to 14 years 14 years 15 to 19 years 15 years 16 years 17 years 18 years 19 years 20 to 24 years 21 years 25 to 34 years 35 to 44 years 45 to 54 years 55 to 59 years 60 to 64 years 75 years 76 years 19 years 20 years 21 years 22 years 35 to 44 years 35 to 44 years 55 to 59 years 60 to 64 years 51 to 64 years 75 years 75 years 10 to 14 years 15 to 9 years 15 to 99 years 15 to 99 years 15 to 99 years 15 to 14 years 15 to 19 years 15 years 16 years 17 years 18 years 19 years 15 years 16 years 17 years 18 years 19 years 19 years 20 years 21 years 22 years 23 to 24 years 25 to 34 years 25 to 59 years 35 to 64 years 25 to 64 years 35 to 74 years 75 years and over	1 047 106 47 104 25 18 86 20 114 32 23 19 23 17 109 23 112 123 38 37 72 39 1 09 123 123 123 120 123 120 123 123 120 123 124 125 125 120 120 120 120 120 120 120 120 120 120	3 442 362 118 327 71 60 345 80 327 67 66 61 54 339 60 61 464 308 335 169 130 122 3 950 367 142 310 64 64 310 65 68 68 68 68 68 68 68 68 68 68	1 405 1 406 61 1 30 24 1 24 2 3 1 32 2 33 1 39 2 6 3 6 3 6 3 6 1 11 1 22 2 5 5 5 5 8 6 70 1 574 2 1 2 9 1 29 1 29 2 3 3 6 3 6 4 8 1 11 1 29 2 9 3 0 1 9 6 1 1 1 2 9 1	1 671 120 488 163 28 198 40 150 333 37 21 21 88 20 15 199 209 214 43 75 158 199 35 158 199 43 168 43 37 45 199 43 109 209 209 210 43 169 43 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1 828 248 97 234 47 193 37 170 46 39 38 222 25 109 15 18 298 203 198 203 24 24 24 21 22 24 24 21 22 34 21 22 34 34 21 22 36 36 26 27 27 37 37 37 37 37 37 37 37 37 37 37 37 37	3 088 49 15 5 5 5 5 5 5 5 4 1 625 3 894 1 156 639 314 1 110 111 4 622 5 5 6 4 2 7 2 7 2 2 1 5 5 1 3 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 121 222 77 34 206 22 274 77 32 27 54 84 1 110 229 194 49 388 419 229 194 49 184 49 184 49 184 49 184 196 37 196 37 196 31 117 22 23 76 110 12 24 31 31 31 31 31 31 31 31 31 31 31 31 31	1 248 75 31 127 127 129 180 388 34 355 22 25 15 16 194 217 76 65 44 16 1 280 59 21 116 24 188 34 150 39 30 40 41 15 41 16 17 18 18 18 18 18 18 18 18 18 18	1 322 125 55 144 28 24 24 29 20 23 25 25 20 111 98 16 20 165 151 18 43 134 24 28 134 28 135 28 134 21 21 21 21 21 21 21 21 21 21 21 21 21	1 870 153 61 173 39 204 44 210 62 41 49 33 325 130 25 130 25 27 204 242 257 204 242 257 39 1 963 117 39 159 39 159 39 159 39 172 39 39 172 39 39 172 39 39 172 39 39 172 39 39 172 39 39 172 39 39 172 39 39 39 172 39 39 39 39 39 39 39 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30	1 546 162 53 30 25 141 32 22 157 43 31 32 22 33 99 91 31 170 23 170 77 77 75 95 42 1 732 1 43 63 140 34 36 161 31 31 31 32 22 31 31 31 31 31 31 31 31 31 31 31 31 31	2 082 217 78 207 34 40 40 40 40 40 41 41 429 22 299 207 269 80 81 85 106 66 2 256 185 69 212 212 22 299 207 269 313 314 44 414 415 417 417 418 418 418 418 418 418 418 418 418 418	2 177 205 755 759 337 338 1933 355 2209 499 2464 41 355 176 176 176 176 176 176 176 176 176 176
RELATIONSHIP TO HEAD OF HOUSEHOLD All persons In households	2 139 2 139 727 498 229	7 392 7 366 2 590 1 900 690	2 979 2 979 1 058 761	3 602 3 602 1 238 966	4 186 3 707 1 014 940	7 710 932 346 312	6 238 6 076 2 048 1 260	2 528 2 528 722 671	2 747 2 735 893 744	3 833 3 790 1 311 1 061	3 278 3 278 1 084 908	4 338 4 218 1 376 1 155	4 646 4 646 1 619 1 321 298
Wife of head Other relative of head Not related to head In group quarters Persons per household	388 951 73 	1 584 3 021 171 26	297 650 1 192 79 -	272 884 1 433 47 - 2.91	871 1 769 53 479 3.66	34 300 254 32 6 778 2.69	1 143 1 713 1 172 162 2,97	643 1 150 13 -	149 661 1 139 42 12 3.06	250 954 1 488 37 43 2,89	176 805 1 360 29 -	221 1 028 1 788 26 120 3.07	1 196 1 785 46
TYPE OF FAMILY AND NUMBER OF OWN													
All families With own children under 18 years Number of children Husband-wife families With own children under 18 years Number of children Percent of total under 18 years Families with other male head With own children under 18 years Number of children Families with femele head With own children under 18 years	498 263 682 388 204 531 70.0 23 8 19 87 51	1 900 1 011 2 266 1 584 825 1 875 76.5 48 21 40 268 165 351	761 385 902 650 322 749 78.4 17 10 21 94 53	966 522 1 162 884 480 1 088 92.1 14 4 4 68 38 70	940 629 1 482 871 589 1 393 89.4 13 4 10 56	312 125 218 300 117 197 80.4 - - 12 8	1 260 632 1 404 1 143 574 1 282 85.9 12 1 7	671 409 952 643 397 927 96.4 9 3 4	744 398 913 661 366 840 86.0 10 1 1	1 061 563 1 178 954 502 1 075 86.1 19 9 13	908 469 1 022 805 423 941 87.4 16 3 4	1 155 661 1 391 1 028 593 1 273 87.8 23 6	1 321 707 1 423 1 196 629 1 277 87.2 13 3 4 112 75 142
Number of children Percent of total under 18 years Persons under 18 years MARITAL STATUS	132 17.4 759	14.3 2 452	132 13.8 955	5.9 1 181	5.1 1 559	21 8.6 245	115 7.7 1 492	21 2.2 962	72 7.4 977	90 7.2 1 249	77 7.1 1 077	112 7.7 1 450	142 9.7 1 464
Mate, 14 years old and over Single	771 239 430 21 29 73 781 158 442 32 118	2 488 629 1 684 45 69 106 2 991 582 1 743 82 458 208	1 028 287 680 13 38 23 1 196 239 706 27 179 72	1 230 295 892 4 22 21 1 500 353 905 9	1 190 261 890 3 28 11 1 727 713 905 14 81 28	3 4 516 4 153 328 3 23	43 2 534 1 089 1 198 17 187	904 234 651 5 12 7 951 233 652 3 53	913 185 684 12 21 23 1 066 198 690 12 133	1 384 337 983 15 28 36 1 557 333 986 15 154	1 131 256 829 5 23 23 1 336 272 272 852 21 1 455	1 491 344 1 060 9 57 30 1 720 327 1 072 23 251	1 206 3 24 31 1 910 374 1 227 13

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

			Portage			Balance of Kalamazoo County								
Census Tracts	Tract 0019.01	Tract 0019.02	Tract 0019.03	Tract 0020	Tract 0021	Tract 0013	Tract 0014.02	Tract 0015.01	Tract 0015.02	Tract 0015.03	Tract 0018.03	Troct 0022.01	Tract 0022,02	Tract 0023
RACE			, , , , , , , , , , , , , , , , , , , 							·	***************************************		,	
All persons White	6 678 6 590 60 0.9	4 377 4 349 9 0.2	6 661 6 618 23 0.3	7 351 7 300 20 0.3	8 523 8 461 33 0.4	2 027 2 019 3 0.1	9 316 9 088 151 1.6	2 335 2 128 185 7.9	4 412 4 343 51 1.2	4 794 4 709 65 1.4	1 444 1 424 16 1.1	3 098 3 045 36 1.2	4 950 4 881 51 1.0	2 417 2 396 16 0.7
AGE BY SEX Male, all ages	3 302	2 183	3 299	3 663	4 224	976	4 411	1 170	2 189	2 320	681	1 553	2 416	1 160
Under 5 years 3 and 4 years 5 to 9 years 5 years 5 years 5 years 6 years 5 years 10 to 14 years 115 to 19 years 12 years 15 years 16 years 17 years 18 years 19 years 19 years 20 to 24 years 20 years 21 years 25 to 34 years 35 to 44 years 45 to 54 years 55 to 59 years 60 to 64 years 65 to 74 years 65 to 74 years 75 years 65 to 74 years 65 to 74 years 75 years 65 to 74 years 75 years 65 to 74 years 75 years 375 yea	391 145 415 91 68 402 76 274 59 62 56 54 43 305 48 87 57 585 369 307 99 61 58	197 81 248 46 47 324 64 227 41 58 52 26 100 27 22 23 13 30 29 29 10 69 68	320 1531 541 93 1004 99 79 79 63 59 88 21 16 490 562 299 64 39 39	354 160 532 105 91 107 367 89 94 480 62 42 143 300 26 505 587 385 90 57 60 22	395 160 497 82 93 571 94 460 114 106 91 114 84 65 204 483 111 111 111	31 31 30 10 10 114 17 22 22 22 22 22 22 22 22 22 22 22 22 22	479 187 462 79 84 439 82 390 77 91 75 84 83 385 54 401 488 227 174 215	104 49 116 20 19 145 21 27 28 29 17 16 107 28 29 17 16 16 12 13 4 4 6 6 2 5 5	140 48 177 38 30 205 47 163 38 27 33 35 437 55 55 55 121 353 232 246 61 69 99 90	197 70 184 44 43 211 39 245 43 59 47 55 55 41 205 35 55 317 313 153 96 123 57	82 34 79 10 10 8 68 40 6 6 8 9 10 9 44 10 8 80 75 46 32 36 31	133 500 177 31 31 39 191 39 185 43 43 43 43 25 115 27 177 160 158 79 67 85 85	205 81 292 58 647 321 68 257 46 62 72 43 33 133 24 247 277 338 294 115 88 73 32 32 32 32 33 33 33 34 36 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38	107 48 129 26 26 138 132 35 21 27 16 13 40 0 8 9 9 151 151 145 53 47 553
Female, all ages. Under 5 years. 3 and 4 years 5 to 9 years. 5 years. 6 years. 10 to 14 years. 115 to 19 years. 15 to 19 years. 15 to 19 years. 15 years. 16 years. 17 years. 18 years. 19 years. 20 to 24 years. 20 to 24 years. 21 years. 21 years. 21 years. 21 years. 25 to 34 years. 35 to 44 years. 46 to 54 years. 55 to 59 years. 65 to 74 years. 65 to 74 years. 65 to 74 years. 75 years and over.	376 338 120 403 74 82 392 85 326 70 71 62 72 402 65 94 402 404 404 532 404 60 70 70 35	2 194 154 59 262 55 49 266 48 233 53 53 1129 133 256 320 287 101 69 81 36	3 362 356 164 531 109 955 481 91 329 83 69 27 61 131 20 570 533 272 59 39 28	3 688 331 160 508 90 97 527 107 398 111 84 168 33 34 572 563 371 81 88 69 42	4 299 398 161 449 73 83 536 104 428 113 91 86 60 00 303 67 68 633 631 472 132 140 61	1 051 70 293 20 133 111 188 92 21 10 22 25 11 90 16 125 128 71 30	4 905 486 188 470 90 105 408 83 458 86 68 99 102 103 551 110 108 604 456 552 257 263 186	1 165 95 35 98 14 22 111 17 30 32 22 27 103 25 55 20 127 141 68 65 65 32	2 223 163 63 174 31 43 179 42 158 32 35 31 19 401 52 104 329 247 256 93 93 102 52	2 474 195 700 182 28 39 173 34 208 47 41 47 41 32 207 43 37 298 244 247 387 133 141 161	763 87 348 14 112 64 111 55 7 73 21 17 7 73 21 7 96 4 92 37 32 49 36	1 545 136 59 160 32 34 179 43 129 19 29 20 24 7 125 35 35 153 190 88 88 85 46	2 534 210 93 297 51 51 325 64 276 60 63 56 49 48 142 28 38 321 381 321 88 49	1 257 91 37 158 28 30 172 41 110 29 23 25 10 66 156 152 48 89 59 42
RELATIONSHIP TO HEAD OF HOUSEHOLD All persons In households Head of household Head of family Primary individuol Wife of head Other relative of head Not related to head In group quarters Persons per household	6 678 6 678 1 957 1 684 273 1 570 3 047 104 	4 377 4 377 1 219 1 130 89 1 046 2 082 30 -	6 661 6 661 1 589 1 530 59 1 464 3 581 27 -	7 351 7 336 1 837 1 757 80 1 672 3 785 42 15	8 523 8 509 2 427 2 203 224 2 042 3 981 59 14	2 027 2 027 701 559 142 510 793 23 -	9 316 9 130 2 893 2 446 447 2 178 3 922 137 186 3.16	2 335 2 333 740 609 131 556 1 013 24 2 3.15	4 412 4 410 1 492 1 075 417 1 002 1 507 409 2	4 794 4 741 1 613 1 327 286 1 211 1 835 82 53 2.94	1 444 1 403 453 367 86 306 615 29 41 3.10	3 098 3 098 917 781 136 687 1 457 37	4 950 4 926 1 377 1 248 129 1 143 2 367 39 24 3.58	2 417 2 373 668 613 55 575 1 113 17 44 3.55
TYPE OF FAMILY AND NUMBER OF OWN CHILDREN														!
All familles With own children under 18 years. Number of children Husband-wife familles With own children under 18 years. Number of children Percent of total under 18 years Familles with other male head With own children under 18 years. Number of children Familles with female head With own children under 18 years. Number of children Percent of total under 18 years. Number of children Percent of total under 18 years. Persons under 18 years	1 684 1 090 2 580 1 570 1 011 2 412 89.0 22 12 19 92 67 149 5.5	1 130 736 1 726 1 048 8 1 618 91.6 15 7 7 14 69 41 94 5.3	1 530 1 246 3 138 1 464 1 195 3 016 94.4 14 7 14 52 44 108 3.4 3 195	1 757 1 341 3 316 1 672 1 283 3 174 94.2 16 11 24 69 47 118 3.5 3 370	2 203 1 475 3 314 2 042 1 361 3 091 89.7 25 12 24 136 102 199 5.8 3 447	559 279 643 510 253 596 89.4 9 5 13 40 21 34 5.1	2 446 1 361 3 097 2 178 1 204 2 749 84.8 9 16 230 148 332 10.2 3 240	609 349 790 556 324 738 88.7 16 7 10 37 18 42 5.0 832	1 075 557 1 216 1 002 535 1 175 94.5 12 3 4 61 19 3.7 3.0	1 327 685 1 393 1 211 640 1 320 92.6 15 5 6 101 40 67 4.7	367 209 451 306 169 356 69.5 11 7 18 50 33 77 15.0	781 451 1 099 687 400 973 82.8 21 6 12 73 45 114 9.7	1 248 801 1 919 1 143 734 1 768 88.0 22 7 13 83 60 138 6.9 2 009	613 398 928 575 863 90.6 8 2 2 4 30 21 6.4
MARITAL STATUS Male, 14 years old and over	2 170 471 1 622 27 26 51 2 328 480 1 645 30 114 89	1 478 365 1 074 14 22 17 1 560 331 1 088 23 90 51	2 030 514 1 477 4 20 19 2 085 470 1 507 19 78 30	2 323 581 1 696 7 19 27 2 429 573 1 715 21 97 44	2 855 678 2 089 16 42 46 3 020 618 2 131 33 168 103	709 152 532 14 11 14 805 155 522 6 94 34	3 113 703 2 268 35 65 77 3 624 763 2 305 55 378 178	826 213 572 12 14 27 878 191 574 9 76 37	1 714 654 1 028 7 19 13 1 749 540 1 041 11 126 42	1 767 464 1 247 12 34 22 1 958 396 1 256 16 225 81	462 81 329 14 21 31 545 91 334 16 80 40	1 091 304 721 8 33 33 33 1 113 208 729 16 120 56	1 666 435 1 179 18 27 25 1 766 379 1 199 29 131 57	814 197 590 3 14 13 877 187 595 8 68

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

					Во	lance of Kala	ımazao Cour	nty — Con.					
Census Tracts	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029	Tract 0030	Tract 0031.01	Tract 0031.02	Tract 0032	Tract 0033	Tract 0034
RACE		······································	***************************************					- the contract of					
All persons	1 355 1 351	2 667 2 509	3 485 3 467	1 025 1 017	3 728 3 719	7 666	8 650 8 478	3 964 3 942	2 698 2 688	1 277 1 268	2 139 2 129	5 926 5 902	3 032 3 021
White Negro Percent Negro	0.1	142 5.3	3 407 1	6 0.6	3 /19 5 0.1	7 619 29 0.4	8 478 121 1.4	3 742 14 0.4	2 000		4 0,2	3 0.1	3 021
AGE BY SEX		0.0		0.0	U. ,	5		• • • • • • • • • • • • • • • • • • • •					
Mate, all ages	650	1 454	1 730	504	1 859	3 876	4 324	2 034	1 330	614	1 054	2 965	1 483
Under 5 years 3 and 4 years 5 to 9 years	74 21 57	78 43 125	138 49 186	54 24 50	160 71 228	350 144 485	426 163 500	190 88 269	129 52 146	53 21 74	101 34 126	267 98 329	111 47 164
5 years6 years	10 13	18 18	44 25	10 7	40 38	93 100	77 86	43 51	31 27	20 10	26 24	59 62	29 24
10 to 14 years	50 11	257 47	181 28	54 8	259 47	544 95	506 94	233 47	161 35	80 9	122 28	361 65	171 38
15 to 19 years	62 11 18	215 45 48	168 44 30	33 10 8	190 56	412 78 103	407 109 83	208 54 54	116 27 29	69 16 20	111 24 23	265 67 58	165 30 36
17 years	13	46 39	36 35	8 4	45 43 22	97 69	84 68	50 29	26 23	5 14	22 19	47 54	44 28
19 years 20 to 24 years	11 47	37 154	23 108	3 40	24 74	65 208	63 319	21 101	11 80	14 40	23 90	39 198	27 77
20 years 21 years 25 to 34 years	9 4 98	31 29 190	10 22 229	6 7	18 13 230	43 29 482	57 65 605	25 15	17 20 203	8 11 68	15 19 131	23 40 437	19 13 174
35 to 44 years	68 60	147 130	217 205	64 63 61	254 221	521 408	557 481	251 272 221	200 133	69 61	92 98	354 303	176 187
55 to 59 years	26 33	41 36	88 77	18 21	76 48	146 100	184 101	96 58	50	30 19	55 47	157 106	70 54
65 to 74 years	39 36	56 25	93 40	28 18	78 41	146 74	142 96	89 46	35 54 23	29 22	56 25	125 63	83 51
Under 5 years	705 70	1 213 71	1 755 150	521 58	1 869 146	3 790 324	4 326 388	1 930 148	1 368 121	663 62	1 085 80	2 961 262	1 549
3 and 4 years	23 57	19 135 20	74 190	24 57	65 212	137 443	164 452 93	48 230 49	52 171	26 68 17	30 100 17	99 328 59	54 171 23
5 years 6 years 10 to 14 years	13 13 69	26 183	42 45 182	13 9 44	44 37 250	78 72 484	76 478	45 227	23 35 157	17	17 113	60 296	33 216
14 years15 to 19 years	17 52	43 154	41 155	11 25	43 192	93 333	78 401	39 177	30 105	55 17 71	23 124	51 275	42 163
15 years16 years	10 12	30 32	29 43	5 5	46 44	88 80	103 81	45 44	24 24	11 14	27 28	65 53	45 47 28
17 years 18 years 19 years	8 13 9	29 33 30	32 33 18	5 5 5	53 30 19	76 53 36	94 62 61	34 35 19	21 18 18	14 18 14	20 29 20	44 69 44	22 21
20 to 24 years	69 15	111 28	116 17	48 8	85 15	235 41	352 58	108 21	113 21	52	78 17	259 58	90 17
21 years 25 to 34 years	7 87	18 173	22 226	15 74	13 263	41 539	87 658	22 258	23 207	13 64	25 135	47 447	14 189 190
35 to 44 years	73 64 45	136 116 35	215 210 95	57 53 35	271 201 77	522 384 147	553 479 145	255 240 75	184 135 49	79 73 27	109 111 55	326 321 140	165 65 50
60 to 64 years65 to 74 years	26 45	30 40	74 90	24 25	53 78	111 164	125 165	74 93	38 52	23 50	50 78	103 135	77
75 years and over	48	29	52	21	41	104	130	45	36	39	52	69	62
RELATIONSHIP TO HEAD OF HOUSEHOLD All persons	1 355	2 667	3 485	1 025	3 728	7 666	8 650	3 964	2 698	1 277	2 139	5 926	3 032
In householdsHead of household	1 303 449	1 519 456	3 477 1 100	1 025 348	3 728 1 061	7 598 2 124	8 562 2 514	3 964 1 142	2 692 791	i 277 407	2 130 680	5 911 1 788	3 015 864
Head of family Primary individual	356 93	399 57	932 168	272 76	961 100	1 913 211	2 228 286	1 013	708 83	317 90	552 128	1 587 201	759 105
Wife of head Other relative of head Not related to head	309 534 11	381 669 13	880 1 465 32	240 425 12	904 1 740 23	1 788 3 639 47	2 100 3 858 90	949 1 825 48	664 1 205 32	280 578 12	483 943 24	1 480 2 578 65	713 1 407 31
In group quarters	52 2.90	1 148	3.16	2,95	3.51	68 3.58	88 3,41	-	6 3.40	-	3.13	15 3.31	17 3.49
Persons per household TYPE OF FAMILY AND NUMBER OF OWN	2.70	3.33	3.10	2.73	3.31	3.30	3,41	3.47	3.40	3.14	3.13	3.31	3,47
CHILDREN													
All families With own children under 18 years	356 200	399 240	932 507	272 149	961 599	1 913 1 256	2 228 1 328	1 013 595	708 440	317 189	552 322	1 587 908	759 443
Number of children Husband-wife families	309	562 381	1 185 880	342 240	1 501 904	3 061 1 788	3 156 2 100	1 473 949	1 000 664	440 280	747 483	2 099 1 480	1 101 713
With own children under 18 years Number of children Percent of total under 18 years	385	231 541 50.1	485 1 141	132 299	567 1 419	1 171 2 885	1 261 3 001	572 1 425	414 953	170 402	278 675	851 1 993	420 1 045
Families with other male head	6	30.1 8	91.9 21	83.5 9	92.0 11	91.5 22	90.8 27	90.3 20	92.0 12	85.2 5	85.9 10	91.5 28	89.0 14
With own children under 18 years Number of children	- 1	4	3	3	10	14 25	10 24	3 8	5 5	3	8	13 20	12
Families with temale head		10 8 17	31 19	23 14	46 28 72	103 71	101 57	44 20	32 21	32 18	59 38	79 44	32 17
Number of children	7.6	1.6	40 3.2		4,7	151 4.8	131 4.0	40 2.5	42 4.1	35 7.4	64 8,1	4.0	3.7
Persons under 18 years	449	1 079	1 241	358	1 542	3 152	3 304	1 578	1 036	472	786	2 177	1 174
Male, 14 years old and over	480	1 041	1 253	354	1 259	2 592	2 986	1 389	929	416	733	2 073	1 075
Single Married	115 324	625 392	284 911	69 252	303 919	654 1 846	720 2 160	355 979	207 687	103 293	196 501	462 1 523	289 736
Separated Widowed	. 25	6 15 9	14 33 25	16	5 23 14	23 57 35	25 53 53	12 27	9 18	6 12	8 20	20 42	12 25
Divorced Female, 14 years old and over	. 526	867	1 274	373	1 304	2 632	3 086	28 1 364	17 949	8 495	16 815	46 2 126	25 1 093
Single Married Separated	. 328	425 391 2	233 910		268 932 12	487 1 865 33	597 2 175 26	257 978 10	165 694	103 291	163 505	383 1 533	236 738
Separatea		35 16		37	75 29	207 73	234 80	93 36	12 65 25	5 78 23	12 112 35	16 140 70	6 98 21

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

_		Kalamazoo	County					Kalama	200			
Census Tracts	Total	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006	Tract 0007	Tract 0008
NATIVITY, PARENTAGE, & COUNTRY OF ORIGIN	201 550	85 686	33 494	82 370	3 496	2 732	5 554	1 081	4 731	7 186	2 520	2 639
All persons Native of native parentage Native of foreign or mixed parentage Foreign born	175 919 19 419 6 212	74 102 8 295 3 289	29 575 3 040 879	72 242 8 084 2 044	3 149 231 116	2 589 116 27	4 977 319 258	971 83 27	4 036 442 253	5 992 721 473	2 512 8 -	2 249 309 81
Fareign stock United Kingdom Ireland (Eire) Sweden Germany Poland	25 631 2 266 588 531 2 807 1 367	11 584 1 091 320 189 1 272 523	3 919 329 52 74 427 213	10 128 846 216 268 1 108 631	347 14 7 13 59 57	143 - 13 - 20 16	577 6 18	110 6 7 - 15	695 65 14 23 45 26	1 194 186 64 26 131 26	8 - - -	390 5 39 33
Czechoslovakia Austria Hungary U.S.S.R. Italy	288 361 477 418 620	93 116 115 253 349	47 83 125 54 86	148 162 237 111	4 - - 4 17	- - - 16	- - - - 29	- - - 7	21 14 7 7 27	19 - 9 56 62	- - 8 -	25
Canada	3 258 220 82 118 12 230	1 408 148 41 25 5 641	596 22 41 47 1 723	1 254 50 - 46 4 866	24 27 - 121	11 12 5 - 50	23 15 29 457	26 - - 49	92 7 - 19 328	166 - - 449	-	45 6 - 237
Persons of Spanish language' Other persons of Spanish surname' Persons of Spanish mother tongue Persons of Puerto Rican birth or parentage	1 385 978 119	805 618 38	159 112 28	421 248 53	81 36 9	63 24 -	55 50 —	27 27 -	33 33 8	48 29 6		40 21 -
SCHOOL ENROLLMENT Enralled persons, 3 to 34 years old Nursery school	69 543] 444	31 229 727	12 806 291	25 508 426	1 016 53	885 43	1 865 35	311 16	2 204 49	2 471 37	81	548 17
Public Kindergorten Public Elementary Public High school Public	3 630 3 513 32 304 29 666 14 709 12 940	354 1 332 1 284 10 326 9 189 5 141 4 172	104 808 783 7 426 7 021 3 243 2 998	142 1 490 1 446 14 552 13 456 6 325 5 770	27 80 80 490 375 236 129	43 61 61 504 501 239 235	35 161 151 1 070 1 021 454 428	16 20 20 83 83 43 43	11 44 44 379 333 244 211	31 31 31 433 405 169 160	32 32 32 49 49	17 44 44 151 138 53 40
College Percent enrolled in school by age: 16 and 17 years	17 456 91.4	13 703 87.4	1 038 96.8	2 715 92.2	157 62.0	38	145 86.2	149 41.2	1 488 87.5	1 801 99.2	44.0	283 (58.1
18 and 19 years 20 and 21 years 22 to 24 years 25 to 34 years Percent 16 to 21 years not high school graduates	68.4 53.7 30.6 8.7	74.8 61.7 41.2 12.8	68.3 33.8 13.9 7.2	51.8 32.3 17.8 5.7	41.6 5.2 34.1 9.4	52.2 16.2 3.6 3.1	53.0 17.1 13.4 6.2	14.0 42.6 53.7 30.9	87.5 78.5 56.8 23.0	60.4 54.7 49.1 26.0	7.4 - - - 46.5	33.6 43.6 29.9 6.9
and not enrolled in school YEARS OF SCHOOL COMPLETED	11.8	12.2	6.1	13.1	32.3	23.3	17.3	30.0	7.3	14.5	40.5	21,0
Persons, 25 years old and over No school years completed. Elementary: 1 to 4 years S to 7 years B years High school: 1 to 3 years College: 1 to 3 years 4 years Median school years completed Percent high school graduates	98 791 891 1 586 5 789 11 592 18 992 33 595 11 976 14 370 12.3 60.7	39 842 331 1 025 3 024 4 998 7 378 11 281 5 026 6 779 12.3 57.9	16 013 56 70 526 1 203 2 716 6 506 2 222 2 714 12.5 71.5	42 936 504 491 2 239 5 391 8 898 15 808 4 728 4 877 12.2 59.2	1 703 34 76 182 317 422 375 142 155 10.7 39.5	1 382 46 135 299 301 359 177 44 21 8.7	2 512 21 146 385 440 722 554 148 96 10.1 31.8	518 - 35 38 118 141 118 18 50 10.4 35.9	1 846 6 32 43 313 284 519 270 379 12.5 63.3	3 010 24 13 122 292 460 878 552 669 12.7	2 192 \$5 324 418 452 237 475 129 102 8.7 32.2	1 437 5 20 167 288 342 397 101 117 11.1 42.8
CHILDREN EVER BORN	00.7	U	,	•								
Women, 35 to 44 years old ever married Children ever born. Per 1,000 women ever married	10 809 34 154 3 160	3 520 11 633 3 305	2 400 7 421 3 092	4 889 15 100 3 089	149 679 4 557	123 598 4 862	207 729 3 522	52 133 2 558	143 554 3 888	153 464 3 033	112 261 2 330	61 180 2 951
RESIDENCE IN 1965 Persons, 5 years old and over, 1970? Some house as in 1970. Different house:	1 84 462 89 794	78 996 33 051	30 293 14 831	75 173 41 912	3 094 1 389	2 489 1 458	4 892 2 223	96 3 329	4 425 1 416	6 691 1 835	2 520 1 500	2 433 913
In central city of this SMSA	26 102 18 976 35 504 32 424 3 080 1 533	14 169 4 195 18 436 16 633 1 803 801	3 138 4 376 7 009 6 440 569 181	8 795 10 405 10 059 9 351 708 551	886 52 529 358 171 32	357 37 363 129 234 5	1 273 146 827 491 336 55	248 12 269 194 75	916 224 1 437 1 310 127 98	1 282 191 2 394 2 296 98 135	56 373 58 15 43	516 126 573 467 106 7
MEANS OF TRANSPORTATION AND PLACE OF WORK	, 555	001	10.									
All workers Private auto: Driver Passenger Bus or streetcar Subway, elevated train, or railroad Walked to work Worked at home	77 566 58 281 8 432 1 761 28 5 901 1 864 1 299	32 788 21 743 3 996 1 407 7 4 440 763 432	12 889 11 024 1 094 38 6 349 163 215	31 889 25 514 3 342 316 15 1 112 938 652	1 301 866 219 57 - 89 19 51	826 401 176 46 150 9	1 883 1 143 395 72 - 219 18 34	364 220 38 28 	2 103 1 200 239 50 - 549 39 26	3 382 2 074 523 197 - 484 67 37	15 - - - 15 -	1 218 614 161 37 - 333 29 44
Inside SMSA	66 701 43 571 23 130 5 045 5 820	28 498 22 494 6 004 1 310 2 980	11 476 6 192 5 284 701 712	26 727 14 885 11 842 3 034 2 128	1 033 704 329 107 161	754 602 152 14 58	1 637 1 332 305 19 227	351 285 46 - 13	1 861 1 522 339 94 148	2 688 2 119 569 94 600	15 15 - -	1 031 843 188 23 164

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

_						Kala	ımazoo — Con						
Census Tracts	Tract 0009	Tract 0010	Tract 0011	Tract 0012	Tract 0014.01	Tract 0015.04	Tract 0015.05	Tract 0016.01	Tract 0016.02	Tract 0017.01	Tract 0017.02	Tract 0018.01	Tract 0018.02
NATIVITY, PARENTAGE, & COUNTRY OF ORIGIN													
All persons Native of native parentage Native of fareign or mixed parentage Foreign born	2 148 2 009 87 52	7 383 6 362 744 277	2 979 2 336 437 206	3 602 2 861 587 154	4 186 3 724 384 78	7 694 7 174 422 98	6 238 5 168 770 300	2 528 2 140 333 55	2 733 2 317 309 107	3 833 3 058 511 264	3 278 2 785 371 122	4 338 3 652 549 137	4 807 4 041 562 204
Forelgn stock United Kingdom Ireland (Eire) Sweden Germany	139 23 7 12	1 021 56 54 17 173	643 30 27 - 60	741 133 13 6 85	462 55 18 60	520 71 - - 31	1 070 93 - 26 166	388 54 - - 38	416 56 34 6 51	775 78 - 27 65	493 76 17 7 42	686 61 24 7 70	766 34 17 24 92
Poland Czechoslovakia Austria Hungory U.S.S.R.	5 7 - 12 13	42 7 - 6 8	- - 25 17	25 5 	31 6 6	19 6 7 - 6	73 16 15 - 13	33 8 34	25 6 - 12	29 14 12	20 - 12 16 12	39 7 8 12 15	20
Italy	8 30 	101	57 12	14 125 - -	13 67 19 -	14 192 14	54 124 5	28	21 40 - -	36 102 -	40 - 7	6 45 -	70
Other America	22 - 	526 132	415 62 	299	187 119 119	6 154 32 32	485 38 21	193	165	412	244 13 	392 21 	456
Persons of Puerto Rican birth or parentage SCHOOL ENROLLMENT	Ī	-	-	_	-	-	-	-	-	-	-	7	8
Enrolled persons, 3 to 34 years old Nursery school Public Kindergarten Public Elementary Public High school Public College	638 23 23 73 73 360 337 127 105 55	2 042 26 26 145 145 1 059 984 546 449 266	827 16 	1 194 37 10 63 56 607 494 289 226 198	1 304 34 20 105 105 714 629 274 219 177	6 351 - - - 126 91 39 16 6 186	2 881 106 12 49 42 685 568 299 191 1 742	898 12 5 41 41 483 422 324 228 38	816 25 25 58 58 442 423 219 185	1 163 56 10 65 48 528 410 303 221 211	941 11 75 68 454 420 246 195 155	1 230 42 14 81 81 626 521 313 258 168	1 563 89 29 83 83 664 580 478 387 249
Percent enrolled in school by age: 16 and 17 years 18 and 19 years 20 and 21 years 22 to 24 years 25 to 34 years 26 ro 34 years 27 by 37 years 28 percent 16 to 21 years not high school graduates	69.1 43.5 19.1 22.1 8.7	92.4 59.6 34.8 7.1 9.1	99.9 20.6 25.5 21.0 8.2	85.5 53.2 62.5 42.0 19.4	93.0 57.1 27.5 8.3 2.4	99.9 86.8 86.6 83.0 48.1	98.6 88.6 67.8 62.5 20.7	98.8 78.7 9.4 41.1	80.1 59.0 29.2 12.7 8.9	82.5 78.2 57.9 35.5 5.7	74.0 52.8 15.7 16.0 16.4	98.6 60.7 35.1 25.3 6.3	92.9 74.5 26.1 22.4 16.9
ond not enrolled in school YEARS OF SCHOOL COMPLETED	33.7	17.4	22.9	-	30.2	9.2	3.2	3.6	15.1	8.1	7.8	13.4	6.9
Persons, 25 years old and over No school years completed Elementary: 1 to 4 years 5 to 7 years 8 years High school: 1 to 3 years 4 years College: 1 to 3 years 4 years Medion school years or more Medion school years completed Percent high school graduates	1 076 11 43 137 198 360 267 32 28 10.2 30.4	3 941 38 66 345 587 953 1 267 417 268 11.9	1 494 9 16 166 229 368 374 164 168 11.7 47.3	2 129 37 51 173 463 425 980 15.4 87.7	1 936 8 23 135 201 498 658 167 246 12.2 55.3	408 11 - 20 38 76 82 181 15.2 83.1	2 306 9 5 57 160 278 516 421 860 13.9 77.9	1 397 	1 497 12 15 121 178 330 526 149 166 12.2 56.2	2 155 9 28 57 153 224 652 496 536 12.9 78.1	1 834 9 21 96 225 312 649 268 254 12.4 63.8	2 427 19 17 157 245 437 938 273 341 12.4 63.9	2 642 5 10 56 182 340 1 103 504 442 12.7 77.6
CHILDREN EVER BORN Women, 35 to 44 years old ever married	86	328	128	206	241	35	2/7				•••	243	240
Children ever born Per 1,000 women ever married	396 4 605	1 215 3 704	487 3 805	606 2 942	850 3 527	126 3 600	267 765 2 865	205 603 2 941	165 498 3 018	201 591 2 940	166 538 3 241	683 2 811	249 675 2 711
RESIDENCE IN 1965 Persons, 5 years old and over, 1970? Same house as in 1970	1 903 928	6 692 3 155	2 684 1 454	3 358 1 711	3 719 1 757	7 617 392	5 777 1 671	2 377 1 228	2 476 1 456	3 566 1 535	2 969 1 789	3 943 2 480	4 408 2 432
In central city of this SMSA. In other part of this SMSA. Outside this SMSA. North and West. South Abroad	439 110 176 156 20	1 740 594 838 772 66 42	587 285 300 263 37	629 67 838 827 11 41	704 490 363 363 -	191 105 4 172 4 123 49 119	683 236 2 524 2 434 90 96	472 111 234 225 9	599 74 280 263 17	516 296 809 687 122 89	642 117 337 337 -	626 215 464 357 107	807 334 651 566 85 53
MEANS OF TRANSPORTATION AND PLACE OF WORK										ŭ,	· ·	•-	
All workers Private auto: Driver Passenger. Bus or streetcor Subway, elevated train, or railroad Walked to wark. Worked at home Other	705 436 112 24 - 97 97 27	3 062 2 140 356 222 269 49 26	1 156 740 205 74 	1 350 1 066 86 36 - 71 65 26	1 542 1 165 154 44 - 162	2 293 436 137 90 - 1 413 197	2 576 2 042 233 77 - 146 63	951 788 111 12 - 31	1 034 851 88 65 - 6	1 678 1 314 236 41 	1 299 1 023 169 36 7 35	1 847 1 501 133 120 71 15	2 203 1 723 225 79 - 99 58
Inside SMSA	1	2 746 2 076 670 131 185	1 050 847 203 17 89	1 251 1 041 210 60 39	1 264 924 340 75 203	20 1 942 1 881 61 137 214	15 2 030 1 663 367 205 341	9 869 654 215 63 19	5 993 769 224 27 14	5 1 482 1 139 343 118 78	13 1 186 903 283 34 79	7 1 708 1 305 403 28 111	19 2 040 1 419 621 64 99

*See text for definition. **Includes "Moved, 1965 residence not reported."

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

Camana Tunata			Portage			served right				f Kalamazor				
Census Tracts	Tract 0019.01	Tract 0019.02	Tract 0019.03	Tract 0020	Tract 0021	Tract 0013	Tract 0014.02	Tract 0015.01	Tract 0015.02	Tract 0015.03	Tract 0018.03	Tract 0022.01	Tract 0022.02	Tract 0023
NATIVITY, PARENTAGE, & COUNTRY OF ORIGIN										-				
All persons Native of native parentage Native of foreign or mixed parentage Foreign born Foreign stack United Kingdom	6 328 5 733 498 97 595	4 482 3 909 427 146 573	6 661 5 751 635 275 910	7 512 6 626 701 185 886	8 511 7 556 779 176 955	2 134 1 742 324 68 392	9 249 7 924 963 362 1 325	2 520 2 065 329 126 455	4 466 3 699 587 180 767	4 794 3 786 856 152 1 008	1 173 1 027 117 29	3 187 2 829 250 108 358	4 646 4 166 356 124 480	2 453 2 117 271 65 336
Ireland (Eire) Sweden Germany Poland Czechoslovakia Austria Hungary U.S.S.R. Iraly Canada	63 6 33 58 42 32 - 21 - 11 33	85 10 62 16 7 14 7 24 64	41 	54 9 15 151 51 - 12 4 23 248	86 27 8 52 44 15 48 50 18 15	23 4 8 31 13 - - 12 - 15	155 29 12 256 194 5 6 37 21 7	13 - 8 32 7 6 - - 10 59	40 - 28 35 21 13 28 - 29 13	69 26 35 81 20 47 - 7 8 23	- 4 45 - 6 - 6 - 9	13 21 13 28 - 8 - 44	16 45 38 22 - 8 28 5 20 32	13 - 46 46 9 - 13 - 21
Mexico Cuba Other America All other and not reported Persons of Spanish language¹ Other persons of Spanish surname¹ Persons of Spanish mother tongue Persons of Papanish mother tongue	281 31 	21 263 19	41 18 445 65	319	7 	23 263 23 23	23 4 506 69	320	11 452 62	564 20 	47	231	266 65	155 16
SCHOOL ENROLLMENT	-	-	-	28	-	-	6	-	19	15	-	_	-	-
Enrolled persons, 3 to 34 years old Nursery school Public Kindergarten Public Elementary Public High school Public College	2 159 32 5 165 165 1 209 1 171 474 461 279	1 750 35 14 104 100 939 837 526 448 146	2 769 78 48 198 193 1 657 1 528 675 624 161	3 108 116 21 148 141 1 886 1 771 744 648 212	3 020 30 16 193 184 1 733 1 714 824 817 240	571 10 5 38 38 329 272 101 101 93	2 663 50 23 153 153 1 430 1 262 622 557 408	808 - - 26 26 421 372 273 223 88	1 580 35 - 95 82 615 471 240 148 595	1 327 49 7 66 58 604 468 287 207 321	249 	818 8 8 53 53 574 568 163 156 20	1 518 52 24 78 78 931 896 407 402 50	851
Percent enrolled in school by age: 16 and 17 years 18 and 19 years 20 and 21 years 22 to 24 years 25 to 34 years Percent 16 to 21 years not high school graduates and not enrolled in school	98.9 55.0 19.5 18.4 8.8	99.9 99.9 50.6 8.5 3.3	87.7 75.9 70.8 8.7 4.3	98.1 43.2 62.0 18.0 6.8	98.3 61.5 15.9 11.6 8.8 6.3	75.0 79.2 11.1 29.1 7.7	92.7 63.1 31.3 12.1 7.9	99.9 70.5 35.3 24.7 —	85.8 69.9 62.9 46.0 15.8	81.0 58.6 38.1 32.3 14.3	39.7 10.8 25.9 7.7	70.0 5.6 8.5 2.4 1.7	99.9 39.1 16.7 2.5 1.0	99.9 75.0 20.0 1.9
Persons, 25 years old and over No school years completed Elementary: 1 to 4 years 5 to 7 years 8 years High school: 1 to 3 years 4 years College: 1 to 3 years 4 years Median school years completed Percent high school graduates	2 867 13 12 155 252 576 1 182 374 303 12.4 64.8	2 287 7 11 104 210 405 749 336 465 12.5 67.8	3 048 14 5 37 205 334 1 253 471 729 12.7 80.5	3 529 14 78 197 545 1 386 540 769 12.7 76.4	4 282 22 28 152 339 856 1 936 501 448 12.4 67.4	1 220 - 15 27 120 225 405 199 229 12.6 68.3	4 798 41 47 280 604 1 103 1 902 464 357 12.2 56.8	1 313 4 24 96 205 349 416 102 117 11.8 48.4	2 224 10 5 66 128 235 792 421 567 12.8 80.0	2 828 5 37 125 197 465 907 464 628 12.6 70.7	692 - 24 103 131 270 122 26 16 10.0 23.7	1 502 11 39 187 322 427 440 53 23 10.3 34.4	2 418 4 90 168 349 436 953 256 162 12.2 56.7	1 361
CHILDREN EVER BORN														
Women, 35 to 44 years old ever married Children ever born Per 1,000 women ever married	390 1 169 2 997	317 997 3 145	482 1 579 3 276	551 1 858 3 372	660 1 818 2 755	129 356 2 760	422 1 323 3 135	196 584 2 980	221 599 2 710	224 659 2 942	71 219 3 085	178 618 3 472	390 1 373 3 521	187 580 3 102
RESIDENCE IN 1965 Persons, 5 years ald and over, 19702	5 641 2 600 894 685 1 268 1 127 141	4 130 2 120 515 614 733 687 46	5 985 2 266 637 1 016 1 865 1 700 165	6 809 3 263 624 900 1 953 1 782 171	7 728 4 582 468 1 161 1 190 1 144 46	1 951 1 184 283 217 184 155 29	8 283 4 275 1 536 953 1 071 985 86	2 329 1 431 337 278 185 177 8	4 142 1 661 867 239 1 094 1 053 41	4 408 2 707 598 289 705 682 23	1 045 634 252 96 16	2 824 1 638 180 628 272 265 7	4 269 2 818 277 645 259 229 30	2 306 1 211 359 330 288 254 34
Abroad	35	48	51	10	37	Ξí	88	20	92	34	Ξ	15	13	6
All workers Private auto: Driver	2 687 2 342 181 18 54 32 60 2 413	1 628 1 362 168 13 - 38 15 32	2 404 2 015 214 7 - 118 43 7 2 216	2 856 2 506 214 6 46 31 53 2 592	3 314 2 799 317 - 93 42 63 2 781	981 750 104 14 84 13 16	3 757 2 940 444 93 - 143 29 108 3 154	1 014 822 127 - 37 22 6	2 052 1 590 274 75 55 36 22 1 822	2 178 1 772 180 109 71 15 31	414 344 43 - - 27 - - 388	1 128 838 237 - 48 5 -	1 932 1 554 278 15 - 8 13 64	860 734 59
Kalamozoo city Remainder of Kalamazoo County Outside SMSA Place of work not reported	1 366 1 047 95 179	894 580 86 68	1 148 1 068 105 83	1 412 1 180 200 64	1 372 1 409 215 318	486 409 43 43	2 067 1 087 356 247	599 325 21 69	1 344 478 129 101	1 309 665 95 109	239 149 5 21	644 394 34 56	1 021 759 56 96	384 371 52 53

*See text for definition. ** Includes "Moved, 1965 residence not reported."

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

Some house as in 1970						Вс	lance of Kal	amazoo Cou	nty – Con.					
Marie 1800 241 277 104 1278 1780 1804 1870 1870 18	Census Tracts													Tract 0034
March of principle generates 48	NATIVITY, PARENTAGE, & COUNTRY OF ORIGIN													
School Internal or most processors														
Freight Note	Native of fareign or mixed parentage													
United Composition	Foreign born	-									28		69	
Section (157)									430					
Second		-	7		20	61 ~			_	- 33	_	-	24	-
Section	Sweden	20			20	74				_ 41	16	17		
America	Poland	-		11		30					14			5
			14	10	6	12	-		8	51	-	-	4 14	14
	Hungary	=				-		41	8	-	-	-		
Canada		_	8				22		-	-	-	_	7	- [
College America	Canada	23				63	103	149				17	71	
All attented not required on the specified of the specifi	Cuba	_					-	_			_	_	_	
Person of Spanish interspers	Other America	- 0				100	- 612			- 77	20	43 -	233	86
School Exposure		_									_	-		
Ferrans of Puerre Ricka in the operating and the puerrent of t	Other persons of Spanish surname!													
CHOOLENFOLMENT	Persons of Spanish mother tongue Persons of Puerto Rican birth or parentage	_	_		7	16	8 ~	62 -	-		_	-	13	
Marched parents 10 styles Marched parents 10 styles 10 s														
Hensety skelon	Enralled persons, 3 to 34 years old	442	359	977	261	1 369	2 688	2 866	1 343	888	430	547		
Kindergorien	Nursery school	-	-	-	-	50	48		16	21	-	_		
Elementary 234 212 564 106 815 1624 1632 766 560 225 378 1252 336 706 708	Kindergarten					79	191		106	73			63	45
Public	Public Elementary													
Public 143 50 202 50 336 443 532 288 188 150 90 538 340 270 65 14 48 141 370 88 44 33 48 124 270 270 65 14 48 141 370 88 44 33 48 124 270 270 65 14 48 141 370 88 44 33 48 124 270 270 45 45 45 45 45 45 45 4	Public	234	212	534	169	769	1 511	1 401	703	547	225	378	1 252	536
College — 9	Public													
16 and 17 years	College													27
Benefix 1 1 2 2 2 3 3 3 3 3 3 3	Percent enrolled in school by age:	00 0	48.2	00.0	3.08	00.5	90.3	70.7	00.0	70.4	00.0	52.0	00 0	99.9
22 10 24 years	18 and 19 years	39.5	13.6	58.3		54.6	47.2	57.6	71.2	67.6	77.8	24.5	51.1	35.6
25 10 34 years - 6.9 - 4.8 3.2 7.6 4.8 4.1 5.3 2.0 4.7 1.8 Percent 15 to 25 years and not vercelled in school groudules and not vercelled in school groudules and not vercelled in school your part of the property of the	20 and 21 years			29.3	8.9						15.2			
## Variable of the color of the	25 to 34 years		-	4.8	-	-					5.3			
Person, 25 year all end ever 755 1 78 1893 575 1928 3 924 4 421 2 086 1 388 708 1 043 3 008 1 677 No school years completed	and not enrolled in school	16.3	68.9	7.2	_	5.4	7.4	10.9	8.6	10.8	5.0	36.3	12.9	4.1
No school years completed	YEARS OF SCHOOL COMPLETED													
Elementory: 16 d years	Persons, 25 years old and over	755			575		3 924		2 086	1 386	708			
5 to 7 years	No school years completed	-			-	8			- 8	-	-		,	
High school: 1 to 3 years	5 to 7 years	64	45	78			209	160	106	27		90	173	31
Cellege: 1 to 3 years														
## 4 years or more. 91 78 307 58 382 351 487 195 79 40 72 252 98 48 486 10 150 497 195 196 40 72 252 98 48 486 10 150 16 15 12.3 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.0 12.3 12.1 12.1 12.1 12.0 12.3 12.1 12.1 12.1 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.1 12.0 12.3 12.1 12.1 12.1 12.0 12.3 12.1 12.1 12.1 12.0 12.3 12.1 12.1 12.1 12.1 12.1 12.1 12.0 12.3 12.1 12.1 12.1 12.0 12.1 12.1 12.1 12.1	4 years					771	1 485	1 481	832	589	297	420	1 187	
Percent high school graduates	4 years or more	91	78	307	58	382	351							98
CHILDREN EVER BORN Women, 35 to 44 years old ever merried														
Women, 35 to 44 years old ever married				****		,	55.0	02.0	37.1	37.7	33.1	30.0	00.0	22.7
Children ever born		0.5	104	211	46	072	-40	***	0.50	147				
Persons, 5 years old and over, 1970 1 331 2 381 3 137 991 3 422 7 097 7 873 3 621 2 448 1 176 1 862 5 419 2 858 5 67 1 865 1 626 499 1 783 3 963 3 847 2 099 1 250 600 1 016 3 076 2 072	Children ever born	338	305	605	150	742								
Persons, 5 years old and over, 1970'	Per 1,000 women ever married	3 976	2 933	2 867	2 308	2 718	3 274	2 965	2 907	2 605	3 241	3 471	3 221	3 455
Some house as in 1970	RESIDENCE IN 1965													
Different house:	Persons, 5 years old and over, 1970?													2 858
In other part of this SMSA	Different house:								2 099	1 250	600	1 016	3 076	2 072
Outside this SASSA	In other part of this SMSA	64 225												70 409
South 9 7 51 14 40 67 86 2 21 6 7 79 70 Abroad - 14 35 5 50 5 79 17 - 7 43 7 MEANS OF TRANSPORTATION AND PLACE OF WORK All workers 354 492 1027 338 1078 2394 2776 1248 876 322 515 1923 827 Private auto: Driver 354 492 1027 338 1078 2394 2776 1248 876 322 515 1923 827 Bus or streetcar 99 20 94 77 168 323 281 88 88 41 11 102 122 127 Bus or streetcar 10 - 10	Outside this SMSA	278	168	738	203	326	857	1 318	369	397	212	109	775	235
Abroad — 14 35 - 50 - 79 17 - 7 43 77 MEANS OF TRANSPORTATION AND PLACE OF WORK Ali workers — 538 558 1 206 484 1 333 2 950 3 339 1 528 1 040 455 817 2 179 1 146 Private auto: Driver — 354 492 1 027 338 1 078 2 394 2 776 1 248 876 322 515 1 923 827 Bus or streetcar — 99 20 94 77 168 323 281 88 84 11 102 122 127 Bus or streetcar — 10 — — 15 — — — — — — — — — — — — — — — —	South		7	51								109		165 70
All workers		-	14	35	-	50			17		-	7		7
Private auto: Driver														
Passenger	Ali workers													1 146
Bus or streetcor 10 10 10	Passenger						323							
Walked to wark	Subway, elevated train, or railroad	-	_	_	-	-		-	_	_	-			-
Other	Walked to wark						56		4					
Inside SMSA														
Kalamazoo city 133 132 284 36 523 1 493 7 785 647 331 73 194 950 211 Remainder of Kalamazoo County 282 247 352 226 575 1 007 1 035 552 575 289 550 998 471 0015ide SMSA 500 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				636	262									
Outside SMSA					36		1 493	1 785	647	331	73	194	950	211
	Outside SMSA	50	92	481	157	120	175	301	241	97				
	Prace at work not reported	27	87	89	65	115	275	218						

'See text for definition. Includes "Moved, 1965 residence not reported."

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

		Kalamazoo	County		-, <u> </u>			Kalamaz	200			
Census Tracts	Tota l	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006	Tract 0007	Tract 0008
EMPLOYMENT STATUS												
Male, 16 years old and over Labor force Percent of total Civilian labor force Employed Unemployed Percent of civilian labor force Not in labor force	66 532 50 639 76.1 50 597 48 437 2 160 4.3 15 893	29 585 20 219 68.3 20 212 19 029 1 183 5.9 9 366	10 057 8 737 86.9 8 728 8 506 222 2.5	26 890 21 683 80.6 21 657 20 902 755 3.5 5 207	1 046 783 74.9 783 756 27 3.4	882 548 62.1 544 456 88 16.2	1 577 1 233 78.2 1 233 1 122 111 9.0	381 227 59.6 227 205 22 9.7	1 853 1 260 68.0 1 260 1 189 71 5.6	2 938 2 107 71.7 2 107 1 881 226 10.7	1 131 - - - - - - 1 131	7 016 751 73.9 751 716 35 4.7 265
Inmate of institution Enrolled in school Other under 65 years Other 65 years and over	1 847 6 927 2 608 4 511	1 256 4 672 1 300 2 138	669 270 381	591 1 586 1 038 1 992	11 64 59 129	61 115 158	97 75 172	36 68 50	47 389 69 88	28 537 127 139	1 131	106 48 111
Mole, 16 to 21 years old Not encolled in school Not high school graduates Unemployed or not in labor farce	14 026 3 666 1 519 637	8 139 1 837 840 278	1 700 350 99 34	4 187 1 479 580 325	1 32 49 33 15	145 54 29 13	287 94 47 5	88 42 27 22	769 116 30 15	1 042 420 187	71 43 27 27	212 86 54 9
Female, 16 years ald and over Labor force Percent of total Civilian labor force Employed Unemployed Percent of civilian labor force Not in labor force	74 118 32 400 43.7 32 400 30 661 1 739 5.4 41 718	35 134 15 363 43.7 15 363 14 504 859 5.6 19 771	10 485 4 640 44.3 4 640 4 356 284 6.1 5 845	28 499 12 397 43.5 12 397 11 801 596 4.8 16 102	1 273 588 46.2 588 528 60 10.2 685	910 448 49.2 448 414 34 7.6 462	1 927 964 50.0 964 847 117 12.1 963	464 187 40.3 187 156 31 16.6 277	2 009 1 057 52.6 1 057 974 83 7.9 952	3 231 1 644 50.9 1 644 1 542 102 6.2 1 587	1 257 12 1.0 12 12 - 1 245	1 223 621 50.8 621 594 27 4.3 602
Married wamen, husband present In labor force. With own children under 6 years. In labor force.	42 603 18 226 12 296 3 572	15 478 7 000 4 317 1 494	7 769 3 251 2 557 584	19 356 7 975 5 422 1 494	686 325 246 100	395 250 103 74	945 468 297 168	143 52 48 22	701 346 198 61	1 141 607 306 105	-	420 198 113 22
OCCUPATION												
Total employed, 16 years ald and over Professional, technical, and kindred workers Health workers Teachers, elementary and secondary schools Managers and administrators, except form Salaried Self-employed in retail trade	79 098 13 251 2 010 2 826 6 041 5 249 425	33 533 6 164 853 1 224 2 183 1 767 119	12 862 2 263 304 465 1 222 1 058 62	32 703 4 824 853 1 137 2 636 2 224 244	1 284 225 14 87 61 61	870 81 38 - 11 11	1 969 121 25 45 46 37 4	361 66 8 7 15 15	2 163 427 45 70 60 55	3 423 767 126 152 133 117	12 7 7 - -	1 310 149 49 33 43 34 4
Sales workers Retail trade Clerical and kindred workers Craftsmen, foremen, and kindred workers Construction craftsmen Mechanics and repairmen Operatives, except transport Transport equipment operatives	5 966 3 399 14 070 10 038 2 166 2 003 12 152 2 514	2 451 1 459 6 715 3 210 707 573 4 721 878	1 218 564 2 069 2 032 349 364 1 771 428	2 297 1 376 5 286 4 796 1 110 1 066 5 660 1 208	31 21 127 125 33 4 303 39	50 29 5 5 5 276 19	93 54 244 196 68 23 558 56	11 6 60 28 - - 44 10	138 76 568 177 54 30 178 40	380 273 856 326 43 38 332 98		65 39 224 137 39 13 291
Laborers, except farm Form workers Service workers' Cleaning and food service workers Protective service workers Personal and health service workers Private household workers	2 821 1 146 10 360 5 863 739 2 915 739	1 246 93 5 445 3 212 258 1 471 427	313 167 1 293 738 140 346 86	1 262 886 3 622 1 913 341 1 098 226	55 4 258 149 23 51 56	77 280 155 - 105 47	172 9 410 225 19 158 64	24 94 45 26 9	62 	74 428 265 10 105	5 - 5	332 142 5 102 24
Female employed, 16 years old and over	30 661 5 528 1 954 889 2 164 10 582 4 056	14 504 2 625 905 386 879 5 143 1 974	4 356 787 261 91 389 1 522 530	11 801 2 116 788 412 896 3 917 1 552	528 118 67 - 10 79 26	414 63 - - - 31 9	847 63 25 5 49 204 50	156 28 7 - 37 3	974 154 36 12 37 411 129	1 542 340 112 29 87 697 387	12 7 - - - -	594 71 19 19 21 156 73
Operatives, including transport Other blue-collor workers Form workers Service workers, except private household Private household workers	3 855 612 369 5 928 734	1 557 256 38 3 193 427	625 79 105 677 81	1 673 277 226 2 058 226	89 5 - 171 56	91 5 - 177 47	211 6 5 240 64	17 - 65 9	62 23 - 245 30	136 14 - 230 9	5	13 202 24
INDUSTRY				00 700	3 004	970	1 969	361	2 163	3 423	12	1 310
Total employed, 16 years old and over	79 098 3 527 26 393 11 719 1 544 1 512 2 581 12 998	33 533 1 183 9 638 4 129 489 588 990 5 659	12 862 655 4 793 2 184 302 300 535 2 106	32 703 1 689 11 962 5 406 753 624 1 056 5 233	1 284 55 455 242 18 26 53 165	870 41 287 136 10 - 31 68	164 725 380 16 28 51 280	17 100 50 - - 5 71	65 370 216 20 50 29 402	71 757 375 25 62 82 672	-	26 408 182 5 37 53 218
Finance, insurance, and real estate	3 159 1 772 2 780 5 111 10 267 3 177 2 288 1 989	1 391 740 1 453 2 470 5 833 1 805 905 389	587 280 314 646 1 324 345 362 313	1 181 752 1 013 1 995 3 110 1 027 1 021 1 287	25 9 95 104 147 71 41 20	4 163 117 77 45 27	70 25 124 205 142 35 91 13	15 38 32 51 22 10	80 54 112 185 603 129 32	241 55 88 269 737 249 69 46	12	37 37 95 180 111 62 26
CLASS OF WORKER												
Total employed, 16 years old and over	79 098 60 997 13 691 6 203 4 141 269	33 533 24 927 7 180 2 497 1 366 60	12 862 10 273 1 949 1 160 612 28	32 703 25 797 4 562 2 546 2 163 181	1 284 1 004 241 147 39	870 716 144 54 10	1 969 1 619 296 121 54	361 270 75 30 16 -	2 163 1 714 377 161 65 7	3 423 2 370 845 270 201 7	12 - 12 - - -	1 310 1 111 157 54 34 8

Uncludes allocated cases, not shown separately.

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

	· · · · · · · · · · · · · · · · · · ·	CATTAL CONTRACTOR OF THE STREET					omazoo — Co	n.		, , , , , , , , , , , , , , , , , , , ,			
Census Tracts	Tract 0009	Tract 0010	Tract 0011	Tract 0012	Tract 0014.01	Tract 0015.04	Tract 0015.05	Tract 0016.01	Tract 0016.02	Tract 0017.01	Tract 0017.02	Tract 0018.01	Tract 0018.02
EMPLOYMENT STATUS													
Male, 16 years ald and over Labor force Percent of total Civilian labor force Employed Unemployed Percent of civilian labor force Not in labor force	698 497 71.2 497 465 32 6.4	2 386 1 891 79.3 1 891 1 790 101 5.3	968 735 75.9 735 702 33 4.5	1 128 878 77.8 878 839 39 4.4	1 116 947 84.9 947 923 24 2.5	2 987 967 32.4 967 851 116 12.0 2 020	2 453 1 592 64.9 1 592 1 524 68 4.3	850 713 83.9 713 701 12 1.7	873 722 82.7 722 692 30 4.2	1 312 1 091 83.2 1 091 1 052 39 3.6	1 036 855 82.5 855 806 49 5.7	1 414 1 141 80.7 1 138 1 121 17 1.5	1 540 1 281 83.2 1 281 1 238 43 3.4
Immate of institution Enrolled in school Other under 65 years Other 65 years and over	37 32 132	133 130 232	56 52 125	102 36 112	81 28 60	1 881 139	7 692 73 89	57 17 63	49 32 70	221 - 91 39 91	181 - 37 54 90	273 32 83 57 101	259 - 83 50 126
Male, 16 to 21 years old Not encolled in school Not high school graduates Unemployed or not in labor force	108 38 21 5	390 144 76 42	1 92 89 46 14	131 7 - -	164 30 23 5	2 543 164 99 44	800 180 26 9	144 13 5 5	117 42 20 9	211 43 23 18	152 71 12 6	176 49 26 3	265 61 29 12
Female, 16 years old and over Labor force Parcent of total Civilian labor force Employed Unemployed Percent of civilian labor force Not in labor force	702 296 42.2 296 265 31 10.5 406	2 870 1 339 46.7 1 339 1 282 57 4.3 1 531	1 128 534 47.3 534 509 25 4.7 594	1 392 498 35.8 498 484 14 2.8 894	1 663 766 46.1 766 717 49 6.4 897	4 497 1 587 35.3 1 587 1 532 55 3.5 2 910	2 438 1 197 49.1 1 197 1 144 53 4.4 1 241	864 318 36.8 318 286 32 10.1 546	1 012 428 42.3 428 401 27 6.3 584	1 487 652 43.8 652 638 14 2.1 835	1 281 555 43.3 555 550 5 0.9 726	1 634 727 44.5 727 702 25 3.4 907	1 872 945 50.5 945 927 18 1.9 927
Married wamen, husband present In labor force With own children under 6 years In labor force	409 163 126 47	1 579 715 455 146	597 283 152 62	892 297 183 67	890 401 311 101	300 166 84 27	1 120 489 343 86	651 212 120 29	681 277 204 89	972 407 270 66	781 316 222 45	1 041 470 292 75	1 134 558 244 102
OCCUPATION													
Total employed, 16 years old and over Professional, technical, and kindred workers Health workers Teachers, elementary and secondary schools Managers and administrators, except farm Salaried Self-employed in retail trade	730 21 - 11 20 14 6	3 072 329 25 59 113 92 4	1 211 116 13 19 64 56	1 323 539 54 128 257 241	1 640 161 18 30 62 52 10	2 383 320 19 27 86 77 9	2 668 889 71 214 242 229 4	987 387 34 70 163 138 19	1 093 133 37 9 93 93	1 690 429 76 98 285 267 7	1 356 227 50 39 100 93 7	1 823 339 63 56 130 110 20	2 165 411 81 70 199 175
Sales workers Retail trade Clerical and kindred workers Craftsmen, foramen, and kindred workers Construction craftsmen Mechanics and repairmen. Operatives, except transport Transport equipment operatives	26 17 98 97 4 19 238 29	213 119 604 452 94 80 637 154	95 60 286 96 40 34 225 62	113 32 162 71 9 16 60 16	81 60 342 257 38 73 334	110 90 825 53 16 5 60	246 198 511 187 27 42 168 47	97 19 130 46 7 17 47 12	72 40 215 165 36 46 227 28	169 73 313 119 29 15 122 21	108 72 243 190 31 34 187 33	138 81 312 202 61 37 292 60	265 129 545 257 73 42 142 50
Laborers, except farm Farm workers Service workers Cleaning and food service workers Protective service workers Personal and health service workers Private household workers	58 137 90 - 26 6	86 5 457 272 46 130 22	37 9 197 127 11 55 24	13 -71 32 23 11 21	64 - 258 140 7 43	73 26 764 525 - 132 51	85 3 280 176 15 67	26 -75 39 15 21 4	50 5 102 52 9 35 3	34 5 183 114 8 61	62 16 186 121 13 52 4	78 247 151 13 74 25	83 11 198 102 25 71
Female employed, 16 years old and over	265 17 11 11 14 52	1 282 128 44 22 101 448 168	509 42 13 16 32 202 58	484 231 97 15 24 139 62	717 90 25 16 40 269 95	1 532 158 27 24 53 658 175	1 144 409 178 36 135 400 171	286 134 47 13 22 84 47	401 37 5 11 31 184 53	638 156 76 31 50 244 104	550 89 22 46 49 178 83	702 123 41 32 44 234 82	927 167 53 48 80 436 199
Operatives, including transport Other blue-collor workers Form workers Service workers, except private household Private household workers	93 5 67 6	245 59 - 257 22	73 5 4 111 24	11 15 - 28 21	91 17 190 4	21 11 5 551 51	19 - 3 132 10	5 9 15 4	62 16 5 52 3	44 4 5 94 10	58 16 - 110 4	92 10 - 142 25	49 23 11 109 4
INDUSTRY													
Total employed, 16 years old and over	730 28 337 170 12 8 13	3 072 144 1 200 470 51 54 148 494	1 211 57 335 106 44 20 21 277	1 323 36 342 139 - 10 67 153	1 640 68 631 254 52 16 41 288	2 383 6 144 64 20 5 32 284	2 668 86 562 305 48 21 64 631	987 18 320 94 10 16 18 125	1 093 35 411 199 28 38 37 155	1 690 31 463 178 45 67 23 281	1 356 48 462 148 21 22 49 215	1 823 66 665 240 30 41 75 315	2 165 121 664 181 34 67 98 434
Finance, insurance, and real estate Business and repair services Personal services Health services Educational services Other professional and related services Public administration Other industries	25 44 66 30 16	119 88 122 158 176 156 109 53	50 46 63 83 87 54 55	77 27 56 71 323 128 33	9 44 44 97 189 100 58 3	37 9 107 66 1 414 178 26 55	56 63 35 122 716 209 48 7	53 19 21 41 220 79 32 15	58 50 31 110 87 27 21 5	131 38 27 159 267 91 57	101 36 55 115 152 22 23 35	70 67 88 134 152 41 57 22	158 48 45 144 152 91 73 36
CLASS OF WORKER													
Total employed, 10 years old and over Private wage and salary workers Government workers Local government workers Self-employed workers Unpaid family workers	640 74 31	3 072 2 621 334 156 117	1 211 990 173 79 48	1 323 826 361 201 130 6	1 640 1 334 263 103 34 9	2 383 803 1 562 65 18	2 668 1 779 819 303 70	987 623 256 144 102 6	1 093 899 147 59 47	1 690 1 210 359 186 109	1 356 1 069 216 67 71	1 823 1 513 232 112 78	2 165 1 816 237 154 107 5

tincludes allocated cases, not shown separately.

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

	Data basea	on sample,	Portage	THE HILLION	idse for d	erived figure	tpercent,	medicin, etc.		f Kalamazo				
Census Tracts	Tract 0019.01	Tract 0019.02	Tract 0019.03	Tract 0020	Tract 0021	Tract 0013	Tract 0014.02	Tract 0015.01	Tract 0015.02	Tract 0015.03	Tract 0018.03	Tract 0022.01	Tract 0022.02	Tract 0023
EMPLOYMENT STATUS		<u> </u>												
Male, 16 years old and over Labor force Percent of total Civilian labor force Employed	1 973 1 678 85.0 1 678 1 633 45	1 392 1 215 87.3 1 206 1 180 26	1 839 1 671 90.9 1 671 1 623 48	2 177 1 922 88,3 1 922 1 880 42	2 676 2 251 84.1 2 251 2 190 61	704 603 85.7 603 593	2 955 2 480 83.9 2 472 2 370 102	842 654 77.7 649 628 21	1 630 1 265 77.6 1 265 1 231 34	1 731 1 429 82.6 1 424 1 371 53	399 305 76.4 305 280 25	1 016 816 80.3 816 715	1 466 1 255 85.6 1 255 1 216 39	777 610 78.5 610 599
Unemployed Percent of civilian labor force Not in labor force Inmate of institution Enrolled in school Other under 65 years	2.7 295 - 118 71	2.2 177 - 108 15	2.9 168 113 34	2.2 255 - 154 44 57	2.7 425 176 106	1.7 101 - 32 32 32 37	4.1 475 31 85 95 264	3.2 188 - 95 33 60	2.7 365 244 37 84	3.7 302 18 100 55 129	8.2 94 16 - 27 51	12.4 200 - 28 56 116	3.1 211 - 74 80 57	1.8 167 22 35 45 65
Other 65 years and over Male, 16 to 21 years old Not enrolled in school Not high school graduates Unemployed or not in labor force	106 333 91 29 11	54 242 25 10	21 325 74 15 5	365 58 20 10	435 102 25 8	83 19 7	431 164 64 26	178 55	265 54 11	290 95 25 15	62 46 29 5	154 94 33 15	253 105 49 18	78 14 7 3
Female, 16 years old and over Labor force Percent of total Civilian labor force Emplayed Unemployed Percent of civilian labor force Not in labor force	2 110 1 072 50.8 1 072 1 034 38 3.5 1 038	1 459 539 36.9 539 502 37 6.9 920	1 920 802 41.8 802 738 64 8.0 1 118	2 245 1 011 45.0 1 011 947 64 6.3 1 234	2 751 1 216 44.2 1 216 1 135 81 6.7 1 535	804 406 50.5 406 388 18 4.4 398	3 452 1 589 46.0 1 589 1 500 89 5.6 1 863	921 378 41.0 378 354 24 6.3 543	1 673 854 51.0 854 821 33 3.9 819	1 895 864 45.6 864 847 17 2.0 1 031	493 196 39.8 196 192 4 2.0 297	1 020 449 44.0 449 414 35 7.8 571	1 606 758 47.2 758 711 47 6.2 848	832 336 40.4 336 326 10 3.0 496
Morried women, husband present In labor force With own children under 6 years In labor force	1 535 688 542 139	1 031 347 296 54	1 425 561 590 151	1 733 776 598 122	2 045 879 531 118	544 247 152 71	2 141 947 640 145	596 205 128 18	1 017 457 227 61	1 242 534 343 112	301 140 76 39	700 278 188 66	1 111 485 257 38	236 131 18
OCCUPATION	2 667	1 682	2 361	2 827	3 325	981	3 870	982	2 052	2 218	472	1 129	1 927	925
Total employed, 16 years old and over Professional, technical, and kindred workers Health workers Teachers, elementary and secondary schools Managers and administrators, except form Salaried Self-employed in retail trade	397 37 75 195 172	306 50 35 164 137	499 53 148 297 278 9	592 114 108 306 266 6	469 50 99 260 205 33	202 50 45 75 60	528 160 70 239 194 18	111 33 5 77 42 30	576 57 183 209 199 10	520 51 147 277 262 9	4 - - 10 10	49 - 11 53 44 9	214 58 37 188 146 18	96 6 14 65 36 23
Sales workers Retail trade Clerical and kindred workers Craftsmen, foremen, and kindred workers Construction craftsmen Mechanics and repairmen Operatives, except transport Transport equipment operatives	184 61 516 355 86 68 478 85	191 100 208 272 53 47 236 78	263 115 376 353 58 51 167 56	301 142 414 446 70 100 344 93	279 146 555 606 82 98 546 116	72 53 194 142 35 26 126 28	262 160 685 539 127 131 766 149	77 44 146 143 30 30 222 25	211 108 487 128 46 26 116 29	226 150 426 234 62 51 202 38	32 23 110 15 12 - 132 31	18 14 149 199 49 41 290	105 85 315 289 70 85 366 107	95 60 130 131 31 19 178 49
Laborers, except farm Farm workers Service workers Cleaning and food service workers Protective service workers Personal and health service workers Private household workers	79 35 320 178 32 87 23	20 4 192 140 18 34	74 53 213 122 21 49	51 19 227 112 28 82 34	89 56 341 186 41 94 8	29 7 95 46 17 25	117 15 544 263 76 171 26	34 15 115 66 17 32 17	45 - 246 106 23 85 5	63 - 224 94 32 72 8	14 38 86 64 5	103 72 143 110 9 24	90 17 201 140 15 42 35	45 58 72 53 - 19 6
Female employed, 16 years old and over Professional, technical, and kindred workers Teachers, elementory and secondary schools Managers and administrators, except form Sales workers Clerical and kindred workers Secretaries, stenographers, and typists	1 034 148 57 24 59 351 79	502 81 19 3 53 148 73	738 197 90 16 87 262 91	947 187 46 25 101 326 136	1 135 174 49 23 89 435 151	388 94 32 13 45 140 60	1 500 287 61 41 95 503 169	354 45 5 23 104 42	821 243 115 15 44 361 165	847 226 86 45 73 307 135	192 - 10 17 71 29	414 22 11 20 14 106 50	711 64 15 28 69 246 91	326 38 10 9 34 93 29
Operatives, including transportOther blue-collar workers	210 17 11 196 18	84 7 4 111 11	38 19 27 82 10	154 5 19 96 34	139 31 44 192 8	45 5 - 35 11	222 31 5 290 26	73 - 5 82 17	14 5 - 134 5	55 19 - 114 8	25 34 	44 45 91 5	27 5 127 35	9 15 48 6
INDUSTRY Total employed, 16 years old and over	2 667	1 682	2 361	2 827	3 325	981	3 870	982	2 052	2 218	472	1 129	1 927	925 47
Construction	115 1 057 436 54 69 134 409	131 597 256 42 27 58 313	112 789 444 45 24 107 376	125 1 037 506 79 64 111 436	172 1 313 542 82 116 125 572	5	195 1 402 645 90 76 129 607	35 365 153 23 26 36 166	61 452 216 37 21 115 370	62 571 247 24 50 82 424	8 192 112 10 26 11 78	60 453 185 42 50 41 179	141 766 337 66 49 82 287	372 148 13 18 21 169
Finance, insurance, and real estate Business and repair services Personal services Health services Educational services Other professional and related services Public administration Other industries	71 94 123 212	89 33 26 93 136 66 39 32	134 38 46 132 338 72 60 88	184 73 89 163 319 56 52 39	107 65 59 135 319 57 106	24 41 77 89 35 47	122 129 162 338 283 139 132 66	50 38 37 63 43 19 41 40	152 52 69 175 390 117 33 8	114 51 97 126 415 132 60	8 14 34 41 8 42	9 31 39 24 80 11 33 77	71 32 70 88 142 63 36 34	54 26 11 21 58 14 13 88
CLASS OF WORKER				0 007	3 325	981	3 870	982	2 052	2 218	472	1 129	1 927	925
Total employed, 16 years old and over Private wage and salary workers Government workers Local government workers Self-employed workers Unpaid family workers	2 200 377 198	1 682 1 341 208 104 128 5	2 361 1 772 456 262 120 13	2 827 2 305 394 235 122 6	3 325 2 655 514 361 156	833 105 77	3 234 464 243 163	774 126 69 77 5	1 502 475 220 75	1 649 473 218	410 46 9 10	939 136 107 54	1 675 158 104	705 96 60 112 12

Includes allocated cases, not shown separately.

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

10	Oata based on	sample, see	text. For n	ninimum bose			int, median, e		ediling of syl	110015, 500 (0)	(1)	 	
Census Tracts	Tanat	Troot	Tunnt	Trant				Tract	Tract	Tract	Tract	Tract	Tract
_	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029	0030	0031.01	0031.02	0032	0033	0034
EMPLOYMENT STATUS													
Male, 16 years old and over	451 346	934 386	1 1 75 989	346 266	1 164 965	2 406 2 017	2 782 2 291	1 294 1 073	832 686 82,5	412 336 81.6	655 544 83.1	1 851 1 545 83.5	1 068 822 77.0
Percent of total Civilian labor farce Employed	76.7 346 336	41.3 386 381	84.2 981 957	76.9 266 261	82.9 965 935	83.8 2 017 1 9 55	82.4 2 291 2 209	82.9 1 073 1 068	686 661	336 336	544 524	1 545 1 479	822 797
Unemployed Percent of civilian labor force	10 2.9	5 1.3	24 2.4	5 1.9	30 3.1	62 3.1	82 3.6	5 0.5	25 3.6	-	20 3.7	66 4.3	3.0
Not in labor force	105 10	548 467	186	80	199	389 22	491 5	221	146	76	111	306	246
Enrolled in school Other under 65 years Other 65 years and over	27 10 58	27 24 30	53 38 95	9 18 53	61 44 94	135 83 149	190 113 183	119 21 81	54 39 53	33 _ 43	21 35 55	111 65 130	88 105
Male, 16 to 21 years old	71 24	1 95 158	150 31	34 6	1 92 55	373 103	458 126	186 34	107 26	74 16	113 72	276 107	164 75
Not high school graduates Unemplayed or not in labor force	5 5	143	10 5	-	14 9	20 5	50 21	10 5	5 5	-	38 11	46 15	14
Female, 16 years old and over	552 243	7 43 196	1 168 429	400 223	1 208 489	2 502 1 099	2 891 1 191	1 269 490	894 418	467 203	728 340	1 911 782	1 070
Percent of total Civilian labor force Employed	44.0 243 227	26.4 196 180	36.7 429 403	55.8 223 210	40.5 489 476	43.9 1 099 1 041	41.2 1 191 1 155	38.6 490 473	46.8 418 402	43.5 203 193	46.7 340 310	40.9 782 741	43.4 464 437
Unemployed Percent of civilian labor force	16 6.6	16 8.2	26 6.1	13 5.8	13 2.7	58 5.3	36 3.0	17 3.5	16 3.8	10 4.9	30 8.8	41 5.2	27 5.8
Not in labor force Married women, husband present	309 321	547 370	739 866	177 271	719 879	1 403	1 700 2 142	779 936	476 651	264 298	388 477	1 129 1 421	721
In labor force	123 125 34	159 111 28	308 285 88	121 65 14	342 246 60	731 507 144	839 662 180	336 257 62	280 213 75	127 82 37	207 148 48	558 429 109	315 150 47
OCCUPATION													
Total employed, 16 years old and over Professional, technical, and kindred workers	563 110	561 57	1 360 190	471 58	1 411 305 59	2 996 406	3 364 566	1 541 185 31	1 063 143 25	529 41 12	834 106 23	2 220 228 30	1 234 129 16
Health workers Teachers, elementary and secondary schools Managers and administrators, except form	15 37 10	12 13 58	51 27 181	17 12 55	77 199	61 73 100	86 126 333	41 110	38 64	13 43	39 48	81 205	40 37
Salaried Self-employed in retail trade	10	43 10	164 6	45 6	150 28	91	301 18	96 10	50 10	35 8	44 -	175 25	27 6
Sales workers Retail trade	28 19	27 16	111 42	38 15	70 33	161 108	290 160	129 85	92 47	43 31	28 24	131 68 322	51 31 142
Clerical and kindred workers Craftsmen, foremen, and kindred workers Construction craftsmen	89 72 15	67 96 25	222 263 38	66 39	190 222 29	462 541 123	437 499 131	214 262 68	165 171 26	88 71 23	180 130 58	446 92	164
Mechanics and repairmenOperatives, except transport	16 93	10 119	86 155	6 69	37 159	104 624	118 486	32 236	41 230	17 107	26 200 39	107 458 84	57 326 73
Transport equipment operatives Loborers, except farm	26 27	17 24	31 48	10 24	47 51	123 129	119 141	80 67	15 21	40 4	26	91	69
Farm workersService workers	- 98 54	53 43 38	4 131 62	96 31	22 139 91	72 374 185	134 347 144	116 137 57	55 91 57	9 80 56	77 64	83 167 87	116 116 45
Cleaning and food service workers Protective service workers Personal and health service workers	17 27		11 54	51	20 18	135	30 128	20 46	34	10 10	13	20 49	19 41
Private household workers	10	-	24	16	7	4	12 1 155	5 473	16 402	3 193	- 310	5 741	437
Professional, technical, and kindred workers Teachers, elementary and secondary schools	227 49 28	180 23 6	403 73 21	210 27 6	476 116 53	1 041 145 42	252 94	80 41	73 34	25 13	44 16	114 62	76 37
Managers and administrators, except farm	9	11 9	21 16		53 16	9 70	60 126	15 75	35	31	19	38 48 257	5 8 95
Clerical and kindred workers Secretaries, stenographers, and typists		54 33	146 82	60 30	147 47	376 131	305 123	161 65	128 41	55 20	123 37	111	24
Operatives, including transportOther blue-collar workers	-	43 4 13	16		57 23 6	147 21 18	133 8 25	58 5 8	52 10 20	44 8	74 14	128 19 24	166 9 12
Farm workers Service workers, except private household Private household workers	54	23			51 7	251 4	234 12	66 5	68 16	27 3	36	108 5	55 11
INDUSTRY													
Total employed, 16 years old and over Construction		561 42			1 411 69	2 996 162	3 364 240	1 541 85	1 063 57	529 35	834 65	2 220 140	1 234 51
Manufacturing	152 107	204 102	429 246	150	518 275	1 340 594	1 119 560	564 236	460 211	159 58	379 105	988 460	527 212
Transportation	_ 12	17 27 1 <i>6</i>	16	8	45 14 39	34 48 109	67 47 118	35 36 22	11 23 15	16 5 27	15 12 18	69 15 73	46 27
Wholesale tradeRetail trade	_ 134	71	242	? 76	279	394	547	263	180	122	93	279	152
Finance, insurance, and real estate Business and repair services Personal services	_ 16	10		9	37 32 21	69 104 80	102 70 83	59 35 31	28 22 28	19 8	26 5 27	78 30 62	21 10 37
Health services	- 49 61	32 35	2 130 5 91) 78 7 31	66 129	161 232	217 384	60 152	35 86	28 40	59 76	86 170	48 76
Other professional and related services Public administration	- 10 - 27	40 57	5 54	20	41 59 62	62 88 113	117 61 192	23 50 126		15 41 14	20 31 8	46 87 97	53 64 122
CLASS OF WORKER													
Total emptoyed, 16 years old and over Private wage and salary workers	423	56 36	1 1 07:	2 316	1 411 1 086	2 996 2 451	3 364 2 665	1 541 1 130	876	416	834 641	2 220 1 750	1 234 889
Government workers	115	9: 40 9:	7:	2 50	168 116 152	371 242 164	435 237 242	236 119 159	47	59	131 102	291 156 167	194 125 129
Self-employed workers Unpaid family workers			5 I	1 10	5	104	22	16			55 7	12	129 22

Uncludes allocated cases, not shown separately.

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

	(Data based o	n sample, see t		mum base to	r derived tigur	es (percent, n	lealon, etc., a	Kalama	 	6 16/11	· · · · · · · · · · · · · · · · · · ·	
Census Tracts		Kulumuzou	County		Tract	Tract	Tract	Tract	Tract	Tract	Tract	Tract
	Total	Kalamazoo	Portage	Balance	0001	0002	0003	0004	0005	0006	0007	8000
INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS												
All families Less than \$1,000 \$1,000 to \$1,999 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$5,999 \$8,000 to \$6,999 \$9,000 to \$8,999 \$9,000 to \$1,999 \$10,000 to \$11,999 \$12,000 to \$11,999 \$12,000 to \$14,999 \$25,000 to \$14,999 \$25,000 to \$49,999 \$50,000 or more Median income Mean income Families and unrelated individuals	1 673 1 974 2 187 2 911 3 550 3 409	18 154 320 455 697 860 901 1 040 1 040 1 372 1 314 1 237 2 270 2 630 2 835 2 835 9 852 \$12 077 38 507	8 288 52 116 60 120 143 197 184 349 545 635 1 420 1 687 2 383 350 47 \$12 574 \$13 527	20 985 296 371 510 574 629 737 939 1 190 1 691 1 537 3 210 3 926 4 342 867 166 \$11 258 \$12 591	863 14 33 48 49 46 76 40 61 103 101 148 71 66 7 - \$8 626 \$8 623	556 31 39 35 52 60 42 39 42 26 60 34 43 - \$50 \$7 013	1 233 22 48 100 54 130 82 95 104 82 83 120 198 97 16 57 822 \$6 548	243 40 20 26 30 38 16 14 8 5 10 5 21 10 - - \$4 145 \$5 151	821 24 32 28 48 47 68 117 55 47 109 105 74 39 - \$8 336 \$9 974	1 479 47 55 93 115 100 132 114 110 140 88 139 163 115 50 18 \$7 759 \$11 766		550 6 28 29 26 44 44 31 70 44 68 38 38 66 63 37 7
Median income	\$7 974 \$9 250	\$4 366 \$7 161	\$11 913 \$12 688	\$10 097 \$11 147	\$6 938 \$7 074	\$4 262 \$5 216	\$5 657 \$6 718	\$2 558 \$3 523	\$2 751 \$4 939	\$3 423 \$5 954	•••	\$3 777 \$4 997
Unrelated individuals Median income Mean income	25 997 \$1 926 \$3 214	20 353 \$1 724 \$2 776	904 \$4 364 \$5 002	4 740 \$3 456 \$4 756	359 \$2 058 \$3 348	412 \$2 025 \$2 790	605 \$2 322 \$2 989	350 \$1 676 \$2 393	1 859 \$1 654 \$2 715	2 898 \$2 446 \$2 988	 	1 033 \$2 158 \$3 181
TYPE OF INCOME IN 1969 OF FAMILIES All families With wage or salary income Mean wage or salary income With nonform self-employment income Mean nonform self-employment income Mean form self-employment income Mean form self-employment income With Social Security income Mean Social Security income With public assistance or public welfare income Mean public assistance or public welfare income Mean public assistance or public welfare income Mean other income Mean other income Mean other income	47 427 43 044 \$11 379 4 839 \$8 577 1 317 \$2 815 7 725 \$1 764 1 681 \$1 172 19 384 \$2 320	18 154 16 235 \$10 688 1 693 \$10 022 104 \$6 188 3 412 \$1 816 899 \$1 410 7 400 \$2 792	8 288 7 842 \$12 609 852 \$8 859 \$2 \$1 601 819 \$1 665 185 \$847 3 294 \$1 224	20 985 18 967 \$11 462 2 294 \$7 407 1 131 \$2 593 3 494 \$1 737 597 \$915 8 690 \$2 335	863 746 \$8 333 48 \$4 563 - - 224 \$1 981 86 \$1 720 263 \$1 577	556 485 \$6 937 5 158 \$1 371 124 \$1 347 109 \$1 111	1 233 1 089 \$8 450 78 \$3 609 4 243 \$1 918 124 \$1 980 254 \$1 352	243 195 \$5 223 11 63 \$1 597 27 \$1 272 49 \$1 078	821 723 \$9 710 79 \$5 023 6 135 \$1 640 63 \$1 275 316 \$1 428	1 479 1 340 \$B 141 184 \$11 587 9 272 \$1 425 80 \$1 769 574 \$6 580		\$50 485
Percent of families with incomes: Less than .50 of poverty level	1.6 2.1 2.4	2.7 2.3 2.9 3.3 4.4 10.2 23.8 50.3	1.6 0.5 0.7 1.0 1.7 7.2 25.2 62.2	2.0 1.3 1.9 2.2 2.6 8.6 25.4 55.9	2.4 3.2 5.7 7.3 3.0 11.2 31.2	9.4 6.3 4.9 6.1 11.2 14.0 23.2 25.0	2.8 6.0 7.5 6.7 6.7 11.8 28.4 30.2	21.0 6.2 3.3 12.3 14.8 10.3 18.9	4.1 2.1 2.7 1.3 4.6 15.5 26.1 43.6	4.3 3.7 4.0 5.3 5.3 9.9 28.5 39.0	-	3.1 2.0 3.8 5.3 4.7 16.4 18.9 45.8
INCOME BELOW POVERTY LEVEL												40
Percent of all families Percent of all families Mean family income Mean income deficit Percent receiving public assistance income Mean size of family With related children under 18 years Mean number of related children under 18 years Mean number of related children under 6 years Mean number of related children under 6 years Mean umber of related children under 18 years With related children under 18 years Mean number of related children under 18 years With related children under 6 years Percent in labor force Mean number of related children under 6 years Mean number of related children under 6 years	2 768 5.8 \$1 812 \$1 498 19.7 3.54 1 812 2.68 1 211 1.68 1 166 1 015 2.67 675 41.8	1 438 7.9 \$1 943 \$1 444 24.0 3.62 971 2.76 724 1.73 607 2.78 455 42.2	233 2.8 \$1 647 \$1 864 18.5 3.76 164 2.97 83 1.66 105 98 2.94 45 17.8 1.36	1 097 5.2 \$1 677 \$1 492 14.2 3.38 677 2.48 404 1.60 367 310 2.35 175 46.9	98 11.4 \$2 378 \$1 335 41.8 4.07 90 2.88 87 1.94 68 2.93 65 44.6 2.08	114 20.5 \$1 846 \$2 230 47.4 4.61 .78 3.72 .68 4.02 .46 4.02 .26 15.4 3.19	201 16.3 \$2 559 \$1 252 33.3 4.48 152 3.57 126 1.94 111 107 3.45 90 64.4 2.12	74 30.5 \$1 353 \$1 908 29.7 3.28 59 2.32 21 59 48 2.02	73 8.9 \$1 192 \$1 529 24.7 2.48 42 1.83 36 1.36 42 42 1.83 36 61.1	176 11.9 \$1 674 \$1 243 2.82 105 1.78 82 1.35 67 52 2.02 47 31.9 1.28		49 8.9 \$2 145 \$1 158 30.6 3.57 31 2.90 31 1.55 19 19
Family heads Percent 65 years and over Civilian mele heads under 65 years Percent in labor force	2 768 21.0 1 119 71.9	1 438 17.0 552 66.7	233 17.6 93 66.7	1 097 27.0 474 79.1	98 8.2 22	114 14.9 37 78.4	201 14.9 60 73.3	74 8.1 15	73 15.1 20	176 13.6 97 40.2	- - -	36.7 12
Unrelated Individuals	7 401 39.3 \$843 \$997 4.9 29.8	5 742 43.6 \$846 \$1 004 5.0 25.8	284 31.4 \$767 \$1 059 48.9	1 375 29.0 \$845 \$953 5.3 42.8	165 46.0 \$927 \$894 15.8 55.8	205 49.8 \$1 102 \$705 24.4 60.0	273 45.1 \$1 011 \$822 18.3 47.6	192 54.9 \$726 \$1 127 3.1 22.9	339 35.5 \$879 \$1 015 2.7 16.8	1 085 39.4 \$850 \$1 010 2.7 19.3	-	473 46.2 \$723 \$1 125 8.0 23.3
Persons Percent of all persons Percent receiving Social Security Income Percent 65 years and over Percent receiving Social Security income Related children under 18 years Percent living with both parents	17 187 9.1 19.7 19.0 82.2 4 923 40.3	10 945 14.6 17.8 17.6 82.1 2 787 33.5	1 161 3.5 21.8 18.1 78.1 480 40.6	5 081 6.3 23.3 22.2 83.2 1 656 51.6	564 16.5 22.0 19.9 83.9 278 27.7	730 26.8 23.0 21.8 89.9 318 26.7	1 174 21.3 17.9 17.0 80.5 576 26.7	435 38.8 14.7 11.5 90.0 128 26.6	520 14.4 19.6 15.2 93.7 63	1 581 23.2 15.4 16.3 81.7 189 43.4		648 24.6 19.1 21.6 75.0 92 38.0
Households Percent of all households Owner occupied Mean value of unit Renter occupied Mean gross rent Percent lacking same or all plumbing facilities	5 591 10.6 2 564 \$12 600 3 027 \$117 9.7	3 619 15.1 1 213 \$11 800 2 406 \$119 8.5	396 4.6 299 \$14 900 97 \$135 5.1	1 576 7.8 1 052 \$12 800 524 \$108 13.6	208 20.6 83 \$9 800 125 \$94 14.4	259 30.6 67 \$5 600 192 \$88 19.7	361 23.2 152 \$7 800 209 \$109 2.5	155 38.8 21 134 \$88 18.1	210 16.2 51 \$11 200 159 \$129 5.2	608 22.4 92 \$13 300 516 \$119 7.9	-	228 20.4 16 212 \$83 23.2

*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

						Kala	mazao — Cor	1,					
Census Tracts	Tract 0009	Tract 0010	Tract 0011	Tract 0012	Tract 0014.01	Tract 0015.04	Tract 0015.05	Tract 0016.01	Tract 0016.02	Tract 0017.01	Tract 0017.02	Tract 0018.01	Tract 0018.02
INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS													
All fomilies Less than \$1,000 - \$1,000 to \$1,909 - \$2,000 to \$1,999 - \$2,000 to \$2,999 - \$3,000 to \$3,999 - \$4,000 to \$4,999 - \$5,000 to \$5,999 - \$5,000 to \$6,999 - \$7,000 to \$7,999 - \$8,000 to \$8,999 - \$9,000 to \$9,999 - \$10,000 to \$1,999 - \$1,900 to \$1,9	\$00 9 20 23 42 62 28 37 22 22 28 41 72 72 52 88 135 \$8 655	1 926 27 48 65 82 126 139 122 152 174 129 253 333 226 50 - \$\frac{1}{5} \$10 078	781 14 34 37 25 19 78 36 84 62 69 77 107 112 19 8 \$9 02 \$11 523	922 	944 7 21 19 15 27 12 61 95 69 82 208 196 106 16 106 16 110 \$11 487	313 15 6 53 19 40 35 20 37 16 15 5 33 19 46 67 \$8 595	1 217 12 18 41 75 47 81 61 53 66 83 123 169 317 71 511 163 \$12 178	663 - 4 6 6 6 16 20 15 - 27 44 51 82 196 153 43 \$18 08 \$21 569	725 — 16 30 41 100 16 45 75 75 75 87 120 99 12	1 079 22 34 36 31 129 36 65 65 62 55 118 160 275 275 118 38 \$12 966 \$16 761	910 6 100 20 62 8 63 64 99 22 69 133 162 142 23 142 131 154	1 119 23	1 310 16 14 26 24 36 30 43 91 63 77 206 279 323 82 - \$12 36 \$2 \$12 861
Median income	\$5 612 \$6 927	\$7 030 \$7 918	\$7 020 \$8 831	\$13 522 \$17 559	\$7 347 \$7 609	\$1 232 \$1 733	\$3 826 \$6 518	\$17 057 \$20 698	\$9 020 \$11 651	\$11 072 \$14 436	\$9 348 \$10 981	\$10 559 \$12 663	\$10 869 \$11 140
Unrelated individuals Median income Mean income	290 \$3 119 \$3 948	957 \$2 587 \$3 572	341 \$1 917 \$2 664	344 \$6 742 \$9 787	600 \$924 \$1 507	6 819 \$1 168 \$1 418	2 073 \$1 982 \$3 196	85 \$7 773 \$13 900	187 \$2 442 \$4 135	303 \$5 354 \$6 155	174 \$4 643 \$4 846	249 \$5 500 \$6 117	\$3 817 \$5 547
TYPE OF INCOME IN 1969 OF FAMILIES All families With wage or salary income Mean wage or salary income With nonfarm self-employment income With farm self-employment income With farm self-employment income With Social Security income With Social Security income With Social Security income Mean Sacial Security income With public assistance or public welfare income With other income. Mean other income	500 414 \$8 907 5 159 \$1 960 50 \$2 322 129 \$1 615	1 926 1 713 \$9 793 153 \$6 149 5 391 \$2 075 88 \$1 087 578 \$1 341	781 685 \$9 796 73 \$6 553 7 180 \$1 844 37 \$1 528 291 \$4 881	922 784 \$15 643 198 \$15 058 5 173 \$2 498 5 646 \$4 925	944 895 \$10 694 65 \$2 900 112 \$1 617 32 \$886 360 \$2 429	313 300 \$7 619 25 \$10 326 16 5 134 \$914	1 217 1 162 \$11 532 84 \$5 582 18 179 \$1 628 35 \$1 069 602 \$1 028	663 593 \$17 483 108 \$23 160 77 \$2 277 \$2 277 4 440 \$2 855	725 667 \$12 352 67 \$8 142 5 152 \$1 653 17 313 \$2 600	1 079 958 \$13 744 170 \$19 550 - 139 \$1 935 15 529 \$2 479	910 807 \$11 117 89 \$5 678 16 197 \$1 689 416 \$1 644	1 119 1 010 \$11 882 78 \$5 797 5 207 \$1 848 25 \$806 553 \$5 326	1 310 1 184 \$12 101 136 \$8 379 7 205 \$1 694 681 \$1 511
RATIO OF FAMILY INCOME TO POVERTY LEVEL!	ψ. σ.σ	ψ. σ	44 00	ų.,, <u>2</u> 0	4- 1-1	4 ,	ψ. 125	42 333	4.	•	,	·	
Percent of families with incomes: Less than .50 of poverty level .50 to .74 .75 to .99 1.00 to 1.24 1.25 to 1.49 1.50 to 1.99 2.00 to 2.99 3.00 or more	4.8 3.6 2.8 6.6 7.4 14.6 27.6 32.6	2.3 2.9 2.8 3.5 2.8 13.1 25.6 47.1	3.1 1.2 8.6 1.9 3.6 9.0 24.7 48.0	0.5 	1.9 1.1 2.5 1.4 3.1 14.5 27.3 48.2	1.3 3.5 - 4.8 15.3 12.8 31.6 30.7	1.4 1.3 2.6 3.4 2.9 9.9 17.4 61.1	0.6 - 0.9 0.6 4.2 13.9 79.8	0.7 2.3 1.5 3.7 4.1 11.0 24.8 51.7	2.3 1.2 1.8 1.6 3.0 6.6 17.8 65.8	1.3 1.2 0.9 1.3 5.5 11.5 22.2 56.0	2.1 1.2 0.6 0.8 4.9 5.5 25.3 59.7	1.2 0.8 0.9 1.2 4.0 3.8 23.3 64.7
INCOME BELOW POVERTY LEVEL													_
Families Percent of all families Mean family income Mean income deficit Percent receiving public assistance income Mean size of family With related children under 18 years Mean number of related children under 18 years With related children under 6 years Mean number of related children under 6 years Mean number of related children under 6 years With related children under 18 years With related children under 18 years Mean number of related children under 18 years With related children under 6 years Percent in fabor force Mean number of related children under 6 years	56 11.2 \$2 140 \$1 994 41.1 5.02 45 4.22 40 1.10 37 31 3.55 31 12.9	153 7.9 \$2 003 \$1 306 29.4 3.42 113 2.47 90 1.70 59 59 2.14 53 52.8 1.55	100 12.8 \$2 203 \$1 366 5.0 4.03 52 4.04 42 1.83 45 3.4 5.03 24	5 0.5 5 5	52 5.5 \$2 353 \$1 297 9.6 3.87 36 2.39 20 12 	15 4.8 4 4 	65 5.3 \$1 851 \$940 2.60 37 1.54 29 1.14 22 22 	4 0.6 · · · · · · · · · · · · · · · · · · ·	33 4.6 \$2 038 \$1 091 3.21 23 12	57 5.3 \$1 645 \$1 342 2.98 30 1.87 20 21 14 	31 3.4 \$1 721 \$1 482 12.9 3.42 13 6 6	3.8 \$1 377 \$1 912 3.44 32 2.50 9 27 27 2.04 4	39 3.0 \$1 217 \$1 565 2.72 20 27 29
Family heads Percent 65 years and over Civilian male heads under 65 years Percent in labor force	56 10.7 19	16.3	100 33.0 27 74.1	5 - 5	52 40 72.5	15 15 	65 - 43 51.2	4 - 4	33 48.5 17	26.3 21	31 38.7 13	43 27.9 11	39 28.2 5
Unrelated individuals Percent of all unrelated individuals Mean income Mean income deficit Percent receiving public assistance income Percent 65 years and over	41.0 \$940 \$855 8.4	38.2 \$1 002 \$802 7.1	165 48.4 \$961 \$852 12.1 55.2	36 10.5 \$1 099 \$750 - 44.4	300 67.4 \$484 \$1 326 2.0 30.3	693 77.0 \$646 \$1 206	980 48.4 \$992 \$907 - 3.6	9 10.6 -	76 40.6 \$938 \$881 14.5 50.0	22.4 \$721 \$1 096 - 45.6	25 14.4 \$872 \$926 40.0	54 21.7 \$831 \$971 11.1 66.7	119 29.5 \$597 \$1 199 44.5
Persons Percent of all persons Percent receiving Social Security income Percent 65 years and over Percent receiving Social Security income Related children under 18 years. Percent living with both parents	18.7 19.5 21.8 89.7 184	12.1 31.1 30.1 88.1 266	568 19.1 23.9 26.4 83.3 239 18.4	51 1.4 31.4 31.4 8	12.2 19.8 45.5	- 6	4.9 3.0 91.4 68	12	182 6.7 35.7 35.7 95.4 42 81.0	238 6.3 20.6 21.4 62.7 52 67.3	131 4.0 29.8 22.9 100.0 30 66.7	202 4.8 22.8 26.2 58.5 86 31.4	35.1 82.3 58
Households Percent of all households Owner occupied Mean value of unit Renter occupied Mean gross rent Percent lacking some or all plumbing focilities	21.3 42 \$10 900 90 \$83	! 14.7 ! 189 ! \$9 700 ! 170	215 21.9 100 \$11 400 115 \$110 4.7	16 1.4 6 	8.4 57 \$12 500 27	6.0 - - 20	18.3 9 315	0.6 4 		101 7.7 47 \$20 000 54 \$158 12.9	44 4.2 39 \$10 900 5 18.2	84 6.5 71 \$16 900 13 	8.2 94 \$16 400

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. Fo	or minimum	base for d	erived figure	s (percent,	median, etc		f Kalamazoo		.11		
Census Tracts	Tract 0019.01	Tract 0019.02	Tract 0019.03	Tract 0020	Troct 0021	Tract 0013	Tract 0014.02	Tract 0015.01	Tract 0015.02	Tract 0015.03	Tract 0018.03	Tract 0022.01	Tract 0022.02	Tract 0023
INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS														
All families Less than \$1,000 \$1,000 to \$1,999 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$6,000 to \$5,999 \$7,000 to \$7,999 \$8,000 to \$8,999 \$9,000 to \$11,999 \$10,000 to \$11,999 \$10,000 to \$14,999 \$15,000 to \$24,999 \$25,000 or more Median income Families and unrelated individuals Median income Median income Median income	1 624 11 34 11 20 50 66 59 96 136 203 352 279 285 22 - \$10 716 \$11 388	1 159 14 4 14 22 28 87 67 69 9 91 165 231 292 110 29 \$13 071 \$15 476	1 536 10 18 4 9 9 11 18 29 42 109 76 6 218 391 540 61 1 \$13 719 \$14 101 1 595 \$13 492 \$13 754	1 778 6 11 1 1 4 10 18 8 52 16 68 60 98 296 369 647 105 15 114 033 \$14 979 1 845 \$13 780	2 191 49 27 59 36 50 49 91 153 189 389 417 619 52 \$11 250 2 494 \$11 237 \$11 473	597	2 424 24 52 43 67 67 107 112 218 208 248 242 384 437 50 29 \$10 427 \$12 617	627 14 8 8 8 32 24 49 13 34 224 56 61 133 128 61 29 117 715 771 \$17 715	1 140 11 11 11 126 16 28 39 29 48 82 74 176 250 288 51 11 11 \$12 360 \$13 329 1 875 \$8 959 \$10 020	1 333 14 33 10 35 29 36 41 53 80 264 264 260 325 70 \$11 913 \$12 849 1 720 \$10 761 \$11 204	322 - 21 33 33 23 23 24 4 9 9 20 50 30 36 51 12 22 - \$8 \$8 21 4 4 9 9 20 30 31 31 32 33 34 44 45 50 50 50 50 50 50 50 50 50 5	753 4 299 35 39 31 32 39 63 91 40 145 119 77 9 - \$9 338 \$9 695 91 \$15 95 95 95 95 95 95 95 95 95 95 95 95 95	1 229 23 40 27 15 54 54 54 52 38 122 69 149 259 285 58 411 792 \$12 407	614 5 4 100 8 116 118 37 77 222 300 554 97, 137,7 137,7 137,7 137,7 137,7 137,7 137,5 131,
Unrelated individuals Median income Mean income	347 \$5 511 \$5 661	128 \$5 100 \$6 044	59 \$4 115 \$4 708	67 \$3 690 \$4 178	303 \$2 643 \$4 046	145 \$6 250 \$6 523	696 \$2 728 \$4 348	144 \$4 125 \$6 926	733 \$3 953 \$4 873	387 \$3 920 \$5 536	116 \$2 500 \$3 940	165 \$3 283 \$3 669	161 \$2 212 \$3 491	62 \$2 308 \$4 402
TYPE OF INCOME IN 1969 OF FAMILIES		·	·		·		0 404	627	1 140	1 333	322	753	1 229	614
All families With wage or salary income Mean wage or salary income With nonfarm self-employment income Mean nonfarm self-employment income With form self-employment income Mean form self-employment income Mean form self-employment income With Social Security income Mean Social Security income With public assistance or public welfare income Mean public assistance or public welfare income Mean other income Mean other income	1 624 1 548 \$10 799 142 \$6 130 5 181 \$1 804 22 600 \$903	1 159 1 072 \$13 112 172 \$14 392 14 176 \$1 605 27 \$1 039 \$2 116	1 536 1 466 \$13 336 155 \$8 496 14 \$1 458 39 \$587 608 \$957	1 778 1 713 \$13 903 194 \$8 538 22 131 \$1 671 28 \$768 742 \$1 234	2 191 2 043 \$12 109 \$6 501 27 \$1 887 \$4 679 69 \$1 046 \$1 084	597 553 \$12 666 63 \$6 729 12 109 \$1 932 - 315 \$1 383	2 424 2 284 \$10 723 203 \$7 680 17 443 \$1 511 115 \$711 935 \$4 040	\$11 080 \$11 080 \$2 \$11 080 9 74 \$2 785 19 224 \$16 741	\$1 140 \$1 080 \$12 350 \$6 183 \$5 \$1 663 \$1 663 \$1 550	\$1211 \$12 143 \$13 \$5 861 \$5 861 \$1 803 \$29 \$1 433 \$764 \$1 691	\$8 740 \$8 740 13 71 \$1 946 6 123 \$1 222	\$74 \$9 601 53 \$6 893 	\$11 903 \$44 \$10 829 9 136 \$1 726 18 543 \$1 444	\$10 938 96 \$7 631 57 \$3 818 130 \$1 811 30 \$1 303 307 \$1 373
RATIO OF FAMILY INCOME TO POVERTY LEVEL ¹ Percent of families with incomes:														
Less than .50 of poverly level	1.8 0.4 0.7 0.6 2.5 9.8 30.0 54.2	1.2 0.7 1.2 1.2 2.1 6.7 22.0 64.9	1.6 1.1 - 0.3 1.2 7.3 23.4 65.0	0.6 0.4 1.0 2.0 6.1 19.6 69.7	2.3 0.2 1.2 1.5 0.9 6.3 29.0 58.7	2.0 5.4 26.5 66.2	1.4 0.8 2.8 1.4 3.2 9.6 26.5 54.4	2.2 0.6 1.3 5.4 5.3 9.4 23.3 52.5	1.4 0.5 1.1 1.2 1.6 4.8 22.1 67.3	2.5 1.4 1.1 1.1 1.8 4.1 19.3 68.7	8.1 7.5 5.0 7.5 11.5 27.0 33.5	0.5 4.5 4.8 4.9 3.3 12.9 33.1 36.0	3.6 1.1 1.0 2.8 2.2 7.4 28.8 53.2	0.8 1.6 1.6 9.9 26.2 59.8
INCOME BELOW POVERTY LEVEL					20		101	26	34	67	50	74	69	15
Families Percent of all families Percent of all families Percent of all families Percent of all families Percent receiving public assistance income Mean size of family With related children under 18 years Percent of the percent of	48 3.0 \$1 339 \$1 561 2.81 20 8 6 6	36 3.1 \$1 797 \$1 791 11.1 3.89 32 2.86 22 24 24 	41 2.7 \$1 648 \$2 362 31.7 4.41 36 2.83 9 13	28 1.6 \$2 307 \$1 675 21.4 4.86 22 13 	80 3.7 \$1 534 \$1 891 25.0 3.56 54 3.09 31 1.26 53 46 3.11 27 -		121 5.0 \$1 743 \$1 334 27.3 3.12 2.16 44 1.59 35 35 2.00 22	4.1 \$821 \$1 473 26.9 2.00 14 14 	3.0 \$1 569 \$1 543 3.29 34 1.47 22 12 12	5.0 \$1 636 \$1 707 7.5 3.45 46 2.26 41 1.93 22 17	15.5 \$2 292 \$805 6.0 3.22 2.61 22 24 20 	9.8 \$2 157 \$756 13.5 2.91 37 2.35 21 25 20	5.6 \$1 126 \$2 502 7.2 3.88 53 2.81 22 38 32 2.38 19	2.4
Family heads Percent 65 years and over Civilian mole heads under 65 years Percent in labor force	48 37.5 30 63.3	36 11.1 8	41 28 64.3	28 21.4 13	80 16.3 14	- - -	121 34.7 44 88.6	26 30.8 4	34 - 22 	45 86.7	32.0 14	35.1 28 60.7	27.5 23	15 6
Unrelated individuals Percent of all unrelated individuals Mean income Mean income deficit Percent receiving public assistance income Percent 65 years and over	83 23.9 \$768 \$1 080 27.7	49 38.3 \$472 \$1 397 	10.2 	19 28.4 -	127 41.9 \$869 \$943 - 55.1	17 11.7 	271 38.9 \$767 \$1 042 1.8 43.5	45 31.3 \$1 192 \$580 20.0 71.1	158 21.6 \$1 001 \$901 — 5.1	84 21.7 \$688 \$1 144 - 32.1	49 42.2 \$757 \$1 042 18.4 65.3	27.9 \$1 061 \$771 15.2 56.5	75 46.6 \$895 \$939 10.7 29.3	35.5
Persons Percent of all persons Percent receiving Social Security income Percent 65 years and over Percent receiving Social Security income Related children under 18 years Percent living with both parents	218 3.4 22.9 25.2 76.4 44 79.5	189 4.2 13.2 13.2 100.0 90 28.9	187 2.8 3.2 3.2 109 53.2	155 2.1 27.1 20.0 58.1 80 67.5	412 4.8 31.6 22.6 78.5 157 14.0		649 7.1 27.0 28.5 84.9 159 50.9	97 3.9 54.6 54.6 83.0 14	270 6.1 - 3.0 - 54 68.5	315 6.6 7.3 8.6 85.2 96 57.3	210 17.3 27.6 27.6 69.0 65 20.0	261 8.4 29.9 28.4 81.1 88 36.4	343 7.3 22.4 16.9 100.0 148 45.9	52 2.2 36.5 61.5 40.6
Households Percent of all households Owner accupied Mean volue of unit Renter accupied Mean gross rent Percent lacking some or all plumbing facilities	85 4.8 59 \$14 700 26 \$132 5.9	71 5.7 50 \$18 500 21 7.0	47 3.0 38 \$18 100 9	47 2.7 34 \$13 700 13	146 6.2 118 \$12 800 28 \$138 2.7	17 2.3 12 5	236 8.5 172 \$11 400 64 \$130 14.0	38 6.8 30 \$10 600 8 - 31.6	102 6.8 21 81 \$163	127 8.0 80 \$19 600 47 \$134	71 18.9 50 \$8 600 21 	108 12.6 85 \$8 400 23 40.7	\$107 8.6 87 \$13 100 20 	29 6.0 19 10

^{**}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

					E	alance of Ka	ilamazoo Coi	unty — Con.					
Census Tracts	Trect 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029	Tract 0030	Tract 0031.01	Tract 0031.02	Tract 0032	Tract 0033	Tract 0034
INCOME IN 1969 OF FAMILIES AND UNRELATED INDIVIDUALS													
All families Less than \$1,000 \$1,000 to \$1,999 \$2,000 to \$2,999 \$3,000 to \$3,999 \$4,000 to \$4,999 \$5,000 to \$5,999 \$7,000 to \$7,999 \$8,000 to \$8,999 \$9,000 to \$9,999 \$10,000 to \$11,999 \$10,000 to \$14,999 \$12,000 to \$14,999 \$15,000 to \$49,999 \$25,000 to \$49,999 \$50,000 to \$49,999	378 11 15 21 14 22 16 23 23 23 11 29 57 78 58 	372 5 6 6 11 10 28 21 16 21 16 21 92 26 6 \$12 554 \$14 071	918 15 22 10 16 32 42 40 47 39 52 123 171 165 503 41 31 32 36 \$16 303	290 9 - 6 16 16 4 10 22 39 6 39 48 69 6 5 \$10 87 \$11 214	946 24 21 32 6 28 25 27 27 25 77 53 145 161 267 41 41 41 41 41 41 41 41 41 41 41 41 41	1 962 37 11 44 80 41 46 112 85 171 158 294 380 408 90 5 \$11 33 \$12 184	2 166 42 18 28 79 69 59 110 157 168 108 432 136 431 136 \$15 \$15 \$15 \$15 \$15 \$15 \$15 \$15 \$15 \$15	997 7 24 38 23 19 43 40 35 76 94 162 176 214 35 11 \$11 28 \$12 672	723 8 11 14 43 40 15 19 53 44 63 101 125 167 15 5 \$11 825	334 - 10 15 - 10 37 27 29 13 69 56 63 5 5 \$10 754 \$11 061	562 16 11 14 26 34 44 44 47 61 50 75 69 15 - \$8 874 \$9 721	1 526 19 28 44 16 17 37 73 81 11 127 149 254 276 355 44 511 354 \$11 09	772 8 12 31 13 31 46 37 33 66 69 84 152 150 35 5 \$10 952 \$12 066
Median income Mean income	\$9 382 \$9 060	\$11 255 \$12 283	\$10 969 \$14 167	\$10 182 \$10 369	\$11 448 \$12 668	\$10 388 \$11 144	\$10 672 \$11 490	\$10 444 \$11 753	\$10 069 \$10 786	\$8 810 \$9 397	\$8 195 \$8 378	\$10 465 \$11 031	\$9 790 \$10 660
Unrelated individuals Median income Mean income	88 \$7 333 \$6 711	72 \$2 367 \$3 042	213 \$4 893 \$6 142	70 \$6 636 \$6 869	120 \$1 750 \$4 835	286 \$3 536 \$4 008	385 \$3 160 \$5 062	147 \$6 013 \$5 517	102 \$2 435 \$3 515	89 \$2 964 \$3 149	146 \$2 697 \$3 210	268 \$4 350 \$4 890	\$1 589 \$3 177
TYPE OF INCOME IN 1969 OF FAMILIES All families With wage or salary income Mean wage or salary income With nonfarm self-employment income Mean nonfarm self-employment income With farm self-employment income Mean farm self-employment income With Social Security income Mean Social Security income With public assistance or public welfare income Mean public assistance or public welfare income With other income Mean other income	378 323 \$10 200 22 6 85 \$1 639 16 136 \$1 225	372 332 \$12 007 71 \$8 061 75 \$2 814 17 176 \$2 102	\$18 821 \$14 347 99 \$9 803 43 \$1 238 159 \$1 230 19 440 \$3 872	290 263 \$10 169 30 \$6 417 5 76 \$1 855 9 157 \$1 526	946 856 \$12 406 131 \$9 294 34 \$4 253 1125 \$1 868 15 348 \$1 982	1 962 1 787 \$11 533 181 \$6 460 69 \$1 083 347 \$1 795 63 \$1 229 858 \$1 574	2 166 1 957 \$11 695 267 \$8 069 172 \$2 493 318 \$1 876 43 \$573 876 \$1 452	997 892 \$11 438 100 \$7 377 147 \$3 444 150 \$1 871 17 415 \$2 124	723 617 \$11 009 145 \$6 730 72 \$1 842 127 \$1 752 37 \$514 284 \$1 401	334 296. \$10 566 64 \$3 980 28 \$18 77 \$1 430 11 \$112 \$1 744	\$62 486 \$9 540 76 \$6 023 10 98 \$1 579 50 \$966 152 \$1 076	1 526 1 378 \$11 209 181 \$6 940 122 \$4 034 215 \$1 682 16 500 \$1 790	772 680 \$11 328 84 \$5 908 \$1 902 151 \$1 716 16 \$335 \$1 178
RATIO OF FAMILY INCOME TO POVERTY LEVEL													
Percent of families with incomes: Less than .50 of poverty level .50 to .74 .75 to .99 1.00 to 1.24 1.25 to 1.49 1.50 to 1.99 2.00 to 2.99 3.00 or more	2.9 6.3 1.3 4.2 2.6 10.8 27.8 43.9	1.3 1.6 1.3 13.2 17.2 65.3	2.2 1.2 2.1 3.3 1.6 9.0 19.5 61.1	3.1 2.1 3.4 1.7 - 6.9 30.3 52.4	4.1 3.2 1.6 1.3 3.5 25.5 60.9	1.9 2.0 1.5 1.4 3.2 9.5 26.7 53.9	2.4 0.3 0.9 2.1 3.6 9.1 26.8 54.8	2.1 1.2 2.3 3.5 3.9 7.0 23.7 56.3	3.2 2.1 2.5 3.6 8.9 28.5 51.3	1.5 2.4 2.7 15.3 25.7 52.4	2.8 2.1 4.6 4.8 3.9 13.3 20.3 48.0	2.0 1.1 1.9 2.3 0.9 7.2 26.0 58.5	2.1 0.5 1.7 2.3 2.3 12.7 26.0 52.3
INCOME BELOW POVERTY LEVEL!													l
Percent of all families Percent of all families Mean family income Mean income deficit Percent receiving public assistance income Mean size of family With related children under 18 years Mean number of related children under 18 years With related children under 6 years Mean number of related children under 6 years Families with female head With related children under 18 years Mean number of related children under 18 years With related children under 18 years Mean number of related children under 18 years Percent in labor force Mean number of related children under 6 years	2.10 30 1.80 20 20	11 3.0 5 5 	50 5.4 \$1 885 \$1 418 8.0 3.58 23 19 5 5	25 8.6 \$2 320 \$1 890 16.0 4.72 25 3.40 11 17 17	69 7.3 \$1 350 \$1 597 8.7 3.12 28 1.00 10 4	105 5.4 \$2 008 \$1 532 21.9 3.75 68 3.07 29 1.31 45 34 2.38 19	78 3.6 \$1 013 \$1 921 10.3 3.22 54 2.06 1.81 24 24 	56 5.6 \$1 754 \$1 594 	38 5.3 \$1 697 \$2 507 -7 33 4.00 27 2.63 10 	5 1.5 - - - 	54 9.6 \$1 719 \$1 075 57.4 2.78 29 1.62 16 30 24	77 5.0 \$1 762 \$1 228 - 3.05 16 22 17 	33 4.3 \$1 126 \$1 498 15.2 3.36 8
Family heads Percent 65 years and over Civilian male heads under 65 years Percent in lobor force	. 12.5 . 15	11 -	50 44.0 23	25 - 8 	69 29.0 45 62.2	105 15.2 44 70.5	78 30.8 30 100.0	56 21.4 44 100.0	38 13.2 23	 -	54 35.2 5	77 32.5 35 71.4	33 51.5 16
Unreleted Individuals Percent of all unrelated individuals Mean income deficit Percent receiving public assistance income Percent 65 years and over	9.1	20 27.8 	28 13.1 \$521 \$1 275 — 82.1	8 11.4 -	53.3 \$730 \$1 016 56.3	92 32.2 \$663 \$1 111 31.5	97- 25.5 \$1 004 \$802 5.2 48.5	32 21.8 \$931 \$736 - 75.0	30 29.4 \$863 \$923 33.3 36.7	29.2 \$1 237 \$571 61.5	45 30.8 \$817 \$988 6.7 71.1	72 26.9 \$887 \$899 13.9 51.4	86 59.3 \$698 \$917 - 43.0
Persons Percent of all persons Percent receiving Social Security income Percent 65 yeors and over Percent receiving Social Security income Related children under 18 years Percent living with both parents	9.9 13.7 6.5	47 3.4 12.8 25.5	207 6.0 25.6 31.4 73.8 75 74.7	126 11.8 11.1 6.3 84 53.6	279 7.5 28.7 26.9 92.0 96 34.4	486 6.3 11.3 11.1 74.1 217 57.6	348 4.0 31.9 25.0 88.5 108 38.0	262 6.6 19.8 18.3 100.0 110 92.7	238 8.8 10.5 6.7 107 59.8	36 2.8 91.7 75.0 100.0 —	195 9.5 32.8 31.8 83.9 43	307 5.2 32.2 29.3 90.0 71 38.0	197 6.4 40.6 34.5 89.7 46 80.4
Households Percent of all households Owner occupied Mean value of unit Renter occupied Mean gross rent Percent lacking some or all plumbing facilities	- 11.4 - 18 - 30 - \$99		47 5.3 22 25 \$59 21.3	29 8.9 12 17 	80 9.6 34 \$14 400 46 \$116 25.0	140 7.5 122 \$14 700 18 4.3	77 5.0 55 \$17 800 22 6.5	37 5.0 31 \$8 500 6 - 43.2	30 5.3 25 \$9 700 5 	31 7.7 16 15	86 13.2 60 \$8 000 26 \$82 25.6	76 6.5 51 \$13 400 25 \$72 5.3	\$12 500 10.9 \$12 500 10

Excludes inmates of institutions, members of the Armed Forces living in barrocks, college students in darmitories, and unrelated individuals under 14 years.

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

Census Tracts With		Kalamazoo Cou		cent, median, etc.) and		alamazoo	
400 or More Negro Population	Total	Kalomozoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003
AGE BY SEX							
Male, all ages	4 694	4 119	51	524	499	1 014	1 530
Under 5 years	539 248	529 248	5 ~	5	85 28	109 47	213 117
5 to 9 years	640 179	584 173		56	56 19	172 65	243 57
5 years	92	72 479	~	20 74	8 76	9 104	45 224
10 to 14 years	553 86	69	~	17	14	7 129	32 149
15 to 19 years	531 145	454 123	~	77 22	70 2 9	27	44
16 years	93 96	75 77	~	18 19	19 6	21 20	30 35 28
18 years	108	90 89	-	18	7 9	25 36	12
20 to 24 years	519	457 123	8	54 161	28 7	92 28	149 31
20 years		72		14	45	12 76	24 206
25 to 34 years	550 497	497 377	5 22	98	41	99	141
45 to 54 years55 to 59 years		388 113	6 5	37 4	63 9	120 36	105 35
60 to 64 years	119	82 109	-	37 25	ଣ 12	37 36	28 26
65 to 74 years		50	_	9	6	4	11
Female, all ages		4 406	60	466	483 60	1 152 121	1 694 234
Under 5 years	215	514 205	7 3	22 7	6	64 111	96 314
5 to 9 years	638 129	578 118	5 -	55 11	39 5	25	75
6 years	121	104 513	5 	12 70	68	15 199	48 147
14 years	138	116 644	9	22 64	1 9 72	46 147	26 211
15 to 19 years	88	81	, - 6	7 5	3 19	25 49	15 33
16 years 17 years		116 94	-	11	13 19	24 10	57 28
18 years19 years	169	133 220	3	33 8	18	39	78
20 to 24 years	370	349 103	4 -	17 6	21 3	67 17	123 25
21 years	74	74 627	- 8	61	4 74	11 116	44 280
25 to 34 years	519	409	17 5	93 11	60 50	111 90	146 126
45 to 54 years 55 to 59 years		320 124	5	11	3 5	57 50	27 33
60 to 64 years	132	101 137	-	31 22	15	52 31	36 17
75 years and over	99	90	-	9	16	31	"
RELATIONSHIP TO HEAD OF HOUSEHOLD							• • •
All persons	9 626 9 004	8 525 8 054	111 111	990 839	982 978	2 166 2 166	3 224 3 224
In households	2 507	2 221	52 33	234 227	246 200	574 439	848 685
Head of familyPrimary individual	545	1 702 519	19	7 204	46 146	135 308	163 490
Wife of head Other relative of head	1 428 4 798	1 201 4 385	23 27	386	565	1 228 56	1 821 65
Not related to head	271 622	247 471	9 -	15 151	2) 4	~	3.80
Persons per household		3.63	2.13	3.59	3.98	3.77	3.80
TYPE OF HOUSEHOLD					044	574	848
All households Male primary individual		2 221 289	52 9	234 7 7	246 29	68	72 91
Female primary individual	240	230 1 181	10 33	198	17 146	67 294	473
Husband-wife households Households with other male head	96	76 445		20	5 49	22 123	33 179
Households with female head	454	445					
Persons, 16 to 21 years old	1 427	1 266	13	148	124	292	425 193
Not attending school	627	559 272	7	61 50	59 45	124 71	70
Not high school graduatesPercent of total		21.5	-	33.8	36.3	24.3	16.5
YEARS OF SCHOOL COMPLETED							
Persons, 25 years old and over		3 424 75	73 5	496 29	407 16	915 38	1 217 13
No school years completed Elementary: 1 to 4 years	373	350 541	- 9	23 34	18 43	92 178	123 194
5 to 7 years 8 years	584 502	452	13	50 126	47 127	157 276	161 393
High school: 1 to 3 years		976 604	31	127 60	91 17	128 34	225 81
College: 1 to 3 years4 years or more		251 175	6 9	47	48 10.9	12 9.0	27 9.9
Median school years completedPercent high school graduates	10.2 32.8	9.9 30.1	12.3 63.0	11.7 47.2	38.3	19.0	27.4
RESIDENCE IN 1965							
Persons, 5 years old and over, 1970'	8 475 3 402	7 465 2 794	50 27	960 581	831 349	1 936 1 088	2 777 874
Same house as in 1970 Different house:	[2,	222	233	309	954
In central city of this SMSA In other part of this SMSA	2 199 171	1 977 127	11	33	_	19 311	29 6 0 1
Outside this SMSA	1 662 915	1 579 840	12 12	71 63	157 65	110	284 317
South	747	739	_	8 }	92	201 5	22

"Includes "Moved, 1965 residence not reported."

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

Census Tracts With	Data buser on sample, see	Kalamazoo Cou	· · · · · · · · · · · · · · · · · · ·			Kalamazoo	
400 or More Negro Population	Total	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003
EMPLOYMENT STATUS AND OCCUPATION Male, 16 years old and over	2 817	2 404	46	367	253	602	806
Labor force	2 034 2 030	1 752 1 748	42 42	240 240	189 189	423 419	706 706
EmployedUnemployed	1 787 243	1 528 220	25 17	234	175 14	361 58	628 78
Not in labor force Female, 16 years old and over	783 3 080	652 2 720	4 48	127 312	64 313	179 696	100 984
Labor force	1 676 1 676	1 500 1 500	30 30	146 146	170 170	367 367	630 630
Employed	1 518 158	1 347 153	30 -	141	167 3	343 24	537 93
Not in labor force Morried women in labor force, husband present With own children under 6 years	1 404 915 336	1 220 806 315	18 15 4	166 94 17	143 98 36	329 224 70	354 333 146
Total employed, 16 years ald and over Professional, technical, and kindred workers	3 305 379	2 875 312	55 21	375 46	342 49	704 63	1 165 73
Managers and administrators, except formSales workers	104 7 4	52 42	10	42 32	13	4 -	17 28
Clerical and kindred workersCraftsmen, foremen, and kindred workers	467 255	396 219	- -	71 36	43 29	50 2 9	151 103
Operatives, except transport Transport equipment operatives	790 72	721 51	9 5	60 16	64 4	195 14	365 10
Laborers, except form	272	248 4	- -	24	18 4	69 -	108
Service workers, except private household Private household workers	746 142	706 124	5 5	35 13	91 27	245 35	269 41
Female employed, 16 years old and over Professional, technical, and kindred workers	1 518 221	1 347 184	30 16	141 21	1 67 29	343 45	537 51
Managers and administrators, except farm	21 33	9 17	- -	12 16	-	_	5 12
Clerical and kindred workers Operatives, including transport Other blue-collar workers	351 279	316 253	4	35 22	24 17	31 73	139 139
Farm workers Service workers, except private household	15 - 456	11 - 433	-	4	- -	5	6
Private household workers	142	124	5 5	18 13	70 27	154 35	144 41
FAMILY INCOME IN 1969 All families	1 962	1 702	33	227	200	439	685
Less than \$1,000 \$1,000 to \$1,999 \$2,000 to \$2,999	64 94 108	58 89	-	5	4	27 26	8 21
\$3,000 to \$3,999 \$4,000 to \$4,999	139 206	108 116 193	-	23	6 23	24 43	47 34
\$5,000 to \$5,999 \$6,000 to \$6,999	123 156	110 124	-	13 32	25 6 13	38 50 35	98 28 53
\$7,000 to \$7,999 \$8,000 to \$8,999	138 133	125 123	~ 6	13	9 13	26 37	60 66
\$9,000 to \$9,999 \$10,000 or more	148 653	105 551	8 15	35 87	27 74	18 115	44 226
Median income: Families Families and unrelated individuals	\$7 659 \$5 088	\$7 424 \$4 802	\$9 813 \$7 700	\$9 243 \$9 129	\$9 037 \$6 833	\$6 329 \$5 027	\$7 892 \$6 534
RATIO OF FAMILY INCOME TO POVERTY LEVEL Percent of families with incomes:							
Less than .50 of poverty level	5.9 5.7 6.9	6.1 6.5	_	4.8	2.0 2.5	9.1 6.8	3.1 5.8
1.00 to 1.24 1.25 to 1.49	6.7 8.5	8.0 6.6 8.2	18.2	8.4	13.5 10.0	6.2 6.6	9.1 6.7
1.50 to 1.99	12.7 53.6	13.5 51.1	12.1 69.7	9,3 7.5 70.0	3.0 14.5 54.5	11.6 13.4 46.2	8.8 12.4 54.2
INCOME BELOW POVERTY LEVEL	362	351	_	11	36	97	123
Percent of all families Mean family income	18.5 \$2 368	20.6 \$2_415		4.8	18.0 \$3 351	22.1 \$1 965	18.0 \$3 026
Mean income deficit Percent receiving public assistance income	\$1 766 35.4	\$1 656 36.5	_		\$1 038 66.7	\$2 136 47,4	\$1 316 31.7
Mean size of family	4.81 291	4.75 280	-	ii	5.17 36	4.57 70	5.42 119
Mean number of related children under 18 years With related children under 6 years Mean number of related children under 6 years	3.74 231 1.99	3.71 231 1.99	-		3.72 33	3.46 45	3.78 106
Families with female head	217 183	217 183	-	-	2.48 29 29	2.13 56 38	1.96 78 74
Mean number of related children under 18 years With related children under 6 years	3.86 148	3.86 148	Ē	-	3.79 26	3.61 18	3.73 70
Percent in labor force Mean number of related children under 6 years _	43.2 2.17	43.2 2.17	- -	-	19.2 2.88		70.0 2.20
Family heads Percent 65 years and over	362 8.0	351 8.3	-	11	36	97 12.4	123
Civilian male heads under 65 years	136 74.3	125 72.0	- - -	11		37 78.4	45 86.7
Unrelated individuals Percent of all unrelated individuals Mean income	405 47.4 \$804	376 46.7 \$822	23 82.1		35 52.2	89 47.8	102 49.5
Mean income Mean income deficit Percent receiving public assistance income	\$804 \$1 058 17.5	\$822 \$1 040 18.9	•••		\$484 \$1 351	\$1 012 \$841	\$887 \$983
Percent 65 years and over	17.3 17.0 2 148	18.4 2 042	23	- 83	25.7 48.6 221	42.7 22.5 532	19.6 20.6 769
Percent of all persons	23.8 7.1	25.2 7.5	20.7	9.9	221 22.6 6.8	24.6 11.5	769 24.0 4.0
Percent 65 years and over Percent receiving Social Security income	6.0 61.7	6.3 61.7	-	-	7.7	8.6 78.3	3.5 25.9
Related children under 18 years Percent living with both parents	1 134 31.1	1 078 27.6	-	56 100.0	126 19.8	270 31.5	448 34.4
Households Percent of all households	572 25.0	547 26.9	14 29.8	11 5.3	54 26.9	150 27.7	174 22.6
Owner occupied Mean value of unit Renter occupied	\$9 400	147 \$9 000	4	11	25 \$8 700	41 \$6 200	42 \$9 100
Mean gross rent Percent lacking some or all plumbing facilities	410 \$117 43	400 \$116	10	-	29 \$118	109 \$93	132 \$121
rescent lacking some or on plumbing facilities	6.3	6.6	-		7.4	12.0	3.4

Excludes inmates of institutions, members of the Armed Forces living in barrocks, college students in dormitories, and unrelated individuals under 14 years.

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

Census Tracts With	(Data based on sample, see text. For min	Kalamazoo Caunty	recin, medali, etc., ara modini	, or cymbolo, doc loss
400 or More Persons of Spanish Language	Total	Kalam azoo	Portage	Balance
AGE BY SEX				
Male, all ages	681	405	61	215
Under 5 years 3 and 4 years	39 19	14	-	25 19 17
5 to 9 years	37 5	20	-	17
6 years	6	_	=	5 6 53
10 to 14 years	149 26	96 12	-	14 6
15 to 19 years	74	68 -	-	-
16 years 17 years	23 12	23 6	- -	- 6
18 years	17 22	17 22	-	_
19 years 20 to 24 years	118	87	16	15
20 years 21 years	12 15	12 15	<u>-</u>	
25 to 34 years	81 73	26 28	26 7	29 38
45 to 54 years 55 to 59 years	44	28	12	16
60 to 64 years	11	11 13	-	- 16
65 to 74 years 75 years and over		13	-	-
Female, all ages		400	98	206
Under 5 years3 and 4 years	53	19	13	21 6
5 to 9 years5 years	62	23 7	6 -	33
6 years	-	47		32
10 to 14 years	37	28		9
15 to 19 years	105	82 31	23	-
16 years 17 years		-	8	-
18 years	34	34 17	_ 15	_
19 years20 to 24 years	75	56	14	5
20 years	13	18 6	7	-
25 to 34 years		36 61	13 7	59 20
45 to 54 years	25	11 8	10	14
60 to 64 years	41 17	28 17 12	- 12	13 - 9
RELATIONSHIP TO HEAD OF HOUSEHOLD				
All persons	1 385 1 333	805 753	159 159	421 421
Head of household Head of family	383	216 179	61 61	106 106
Primory individual	37	37 141	- 59	 99
Wife of headOther relative of head	601	354	31 8	216
Not related to headin group quarters	52	42 52	<u> </u>	3.97
Persons per household TYPE OF HOUSEHOLD	3.48	3,49	2.61	3.97
All households	383	216 26	61	106
Male primary individualFemale primary individual	.]	11		99
Husband-wife householdsHouseholds with other male head		1 38 11	61 -	7
Households with female head		30	-	-
SCHOOL ENROLLMENT	201	170	30	6
Persons, 16 to 21 years old Not attending school Not high school graduates	. 50	35 13	15	-
Percent of total YEARS OF SCHOOL COMPLETED	6.3	7.6	-	-
	594	293	87	214
Persons, 25 years old and over No school years completed	.[11	11	_	
Elementary: 1 to 4 years5 to 7 years	. 49	39 40	- \ -	9
8 years High school: 1 to 3 years	. 63	44 81	12 8	7 39
4 yearsCollege: 1 to 3 years	119	28 43	12 6	79 47
4 years or more	89	7 9.5	49 16.4	33 12.7
Median school years completed Percent high school graduates		26.6	77.0	74.3
RESIDENCE IN 1965	1 002	772	146	375
Persons, 5 years old and over, 19701 Same house as in 1970		251	59	151
Different house: In central city of this SMSA	331	238	42 15	51 78
In other part of this SMSAOutside this SMSA	226	26 141	16	69
North and West	161 65	102 39	8 8	51 18
Abroad	119	79	14	26

*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	(Data based on sample, see text. For mini	Kalamazoo County		
400 or More Persons of Spanish Language	Total	Kalamazoo	Portage	Balance
•				
EMPLOYMENT STATUS AND OCCUPATION Male, 16 years old and over		275	61 61	1 20 108
Labor force	. 335	166 166	61	108
EmployedUnemployed	. 15	166	61 -	93 15
Not in labor force	. 121	109 280	- 79	12 ! 120
Female, 16 years old and overLabor force	280	160	45	75 75
Civilian labor force	261	160 141	45 45	75 75
UnemployedNot in labor force	_ 19	19 120	34	45
Married women in labor force, husband present	198	8 5 17	45 14	68 18
Total employed, 16 years old and over	. 581	307	106	168
Professional, technical, and kindred workers Managers and administrators, except form		23 7	48 	36 -
Sales workersClerical and kindred workers	_ 34	6 87	15 14	13 45
Craftsmen, foremen, and kindred workers Operatives, except transport	_ 22	6 122	6 15	10 36
Transport equipment operatives	_ 6	6		-
Laborers, except farmFarm workers	_	38	-	-
Service workers, except private household Private household workers		6 6	-	28 -
Female employed, 16 years old and over	_ 261	141	45 24	75 12
Professional, technical, and kindred workers	-	10	-	13
Sales workersClerical and kindred workers	_1 116	67	14	35
Operatives, including transportOther blue-collar workers	74	58 -	7 	9 -
Form workersService workers, except private household	1 -	-	- -	- 6
Private household warkers	6	6	-	-
FAMILY INCOME IN 1969 All families	346	179	61	106
Less than \$1,000 \$1,000 to \$1,999] 14	7 17	-	7
\$2,000 to \$2,999	-	16	-	_ 5
\$3,000 to \$3,999\$4,000 to \$4,999	21	13	8	
\$5,000 to \$5,999\$6,000 to \$6,999	19	7	-	15 12
\$7,000 to \$7,999\$8,000 to \$8,999	36 12	28 12	-	8 -
\$9,000 to \$9,999	36	15 64	16 37	5 54
Median income: FamiliesFamilies	\$9 500	\$8 125 \$3 688	\$12 300 \$10 833	\$10 095 \$10 095
RATIO OF FAMILY INCOME TO POVERTY LEVE	Li			
Percent of families with incomes: Less than .50 of poverty level	4.0	3.9	_	6.6
.50 to .74	2.3	4.5 5.0	- -	4.7
1.00 to 1.24	3.8	7.3 8.9	_	7.5
1.25 to 1.49 1.50 to 1.99	18.2	14.0	13.1	28.3
2.00 or more	60.7	56.4	86.9	52.8
Families		24	-	12 11.3
Percent of all families Mean family income	\$1 488	13.4	-	11.3
Mean income deficitPercent receiving public assistance income	\$983 22.2	•••	-	•••
Mean size of family With related children under 18 years	2.28		-	
Mean number of related children under 18 years		•••	-	
With related children under 6 years Mean number of related children under 6 years _	· · · <u>·</u>	-	-	
Families with female head With related children under 18 years	8	8 8	-	<u>-</u>
Mean number of related children under 18 yea With related children under 6 years		***	-	_
Percent in labor force	!	_		
Family heads Percent 65 years and over	36	24		12
Civilian male heads under 65 years	12	7	-	5
Percent in labor forceUnrelated individuals	70	62	8	•
Percent of all unrelated individuals	\$789	71.3 \$891	•••	_
Mean income deficitPercent receiving public assistance income	41.4	\$1 005 46.8		-
Percent 65 years and over	15.7 152	17.7 110	- 8	34
Percent of all persons Percent receiving Social Security income	11.3	14.5 13.6	5.0	8.1 20.6
Percent 65 years and over	23.7	18.2	-	47.1
Percent receiving Social Security income Related children under 18 years	64	55	-	
Percent living with both parents	40	87.3 35	-	
Percent of all households Owner occupied		19.3 6	-	6.0 5
Mean value of unitRenter occupied		29	-	

¹Excludes inmates of institutions, members of the Armed Forces living in barracks, callege students in dormitories, and unrelated individuals under 14 years.

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

	Troi illination	base for deriv		rcem, media	Kalamazoa									
Census Tracts	Total	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006	Tract 0007	Tract 0008		
All housing units Vacant — seasonal and migratory	62 529 514	27 160 10	9 289 15	26 080 489	1 200	1 007	1 909	542	1 562 2	3 111 1	1 -	1 341		
All year-round housing units	62 015	27 150	9 274	25 591	1 200	1 007	1 909	542	1 560	3 110	1	1 341		
TENURE, RACE, AND VACANCY STATUS Owner occupied	42 466 293 41 080 1 253 16 940 15 565 2 609 370 228 \$14 300 1 172 706 \$109 1 067	14 810 282 13 700 1 054 10 989 9 710 1 187 1 351 192 \$11 200 721 473 \$98 438	7 801 6 7 747 36 1 228 1 214 8 245 58 41 \$26 700 75 53 \$111	19 855 5 19 633 163 4 723 4 641 52 1 013 120 66 \$16 100 376 180 \$136 517	694 86 530 163 436 334 100 21 12 \$9 200 36 17 \$88 13	382 	998 10 570 427 758 326 426 153 35 22 \$8 100 87 50 \$89 31	110 93 16 385 296 88 47 3 38 25 \$87 6	576 - 561 13 827 790 24 157 13 11 \$10 000 66 54 \$95 78	744 		304 296 7 901 864 27 136 7 4 \$8 800 114 91 \$89		
All units Owner occupied	2 030 964 24 836 50 230 15 63	965 240 21 637 48 88 5	128 93 - 22 - 13 1	937 631 3 177 2 129 9	85 22 5 61 5 2 -	143 23 11 111 21 9 2 5	51 23 3 20 9 8 2	41 3 1 34 6 4 -	54 7 	150 15 116 1 19 		159 9 133 1 17 17		
COMPLETE KITCHEN FACILITIES AND ACCESS Lacking complete kitchen facilities	839 40	558 30	46 	235 10	78 3	134 6	42 2	17	41 1	63 6	•••	89 2		
room	624 1 427 5 383 12 032 16 121 12 937 7 246 3 858 2 387 5.2	500 1 053 3 559 5 710 5 654 5 219 3 000 1 491 964 5.0	31 63 409 1 195 2 874 2 160 1 199 931 412 5.5	93 311 1 415 5 127 7 593 5 558 3 047 1 436 1 011 5.3	51 31 107 229 271 269 146 62 34 5.2	118 33 104 144 205 181 128 61 33 5.0	7 28 238 383 390 436 267 117 43 5.3	16 73 140 115 77 53 30 25 13 3.9	47 119 342 304 184 240 158 77 89 4.4	98 313 846 702 386 324 224 120 97		111 150 325 201 190 179 101 49 35 3.9		
All occupied housing units	59 406	25 799	9 029	24 578	1 130	894	1 756	495	1 403	2 890	•••	1 205		
PERSONS 1 person	9 469 17 449 9 856 10 108 6 572 5 952 2.8 3.1 2.2	5 850 8 127 4 196 3 564 1 973 2 089 2.4 2.7 2.1	610 1 992 1 522 2 102 1 567 1 236 3.7 3.8 2.5	3 009 7 330 4 138 4 442 3 032 2 627 3.0 3.2 2.4 380	253 325 196 139 80 137 2.5 2.6 2.3	280 223 110 91 58 132 2.2 2.5 2.0	409 466 284 196 146 255 2.5 2.5 2.5	187 163 52 39 24 30 1.9 2.0 1.8	453 464 187 141 78 80 2.0 2.4 1.8	982 1 015 430 285 103 75 2.0 2.2 1.9		575 344 138 63 35 50 1.6 2.0 1.5		
PERSONS PER ROOM 1.00 or less	56 071	24 562 992 245 1 201	8 456 529 44 564	23 053 1 314 211 1 455	1 048 68 14 78	791 69 34 91	1 588 132 36 168	464 22 9 30	1 366 27 10 36	2 792 75 23 96		1 173 22 10 30		
VALUE Specified owner occupied units1 Less than \$5,000 \$5,000 to \$7,499 \$7,500 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$14,999 \$20,000 to \$24,999 \$25,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or more Median	821 2 087 3 653 9 262 8 068 5 158	13 055 322 969 1 800 3 941 2 502 1 232 1 282 1 282 363 \$14 300	7 503 58 150 316 1 290 2 023 1 442 1 444 637 143 \$19 800	16 052 441 968 1 537 4 031 3 543 2 484 2 008 711 329 \$16 400	547 31 77 146 229 55 4 4 1	331 68 122 90 41 8 1 - 1 \$7 000	886 93 232 244 225 72 13 7 - - \$8 700	58 11 12 13 13 7 - 1 - 1 \$8 700	465 100 422 91 153 61 45 44 13 6 \$12 500	525 7 40 83 228 87 25 24 15 16 \$12 400		217 9 35 68 69 26 6 2 - 2 \$9 900		
CONTRACT RENT Specified renter occupied units2	16 380 196 123 863 2 122 2 998 6 315 2 412 381 282 688 \$110	10 923 112 85 623 1 498 2 288 4 226 1 271 291 241 288 \$107	1 187 18 — 32 112 154 628 144 26 13 60 \$116	4 270 66 38 208 512 556 1 461 997 64 28 340 \$120	432 8 -72 93 80 156 6 -17 \$88	507 7 17 86 146 144 94 3 - - 10 \$79	747 6 17 56 163 204 269 10 2 - 20 \$90	385 6 2 21 102 105 131 4 5 1	825 4 - 20 96 217 394 64 13 5 12 \$107	2 137 17 14 93 298 437 993 137 82 29 37 \$106		901 10 13 119 219 248 246 11 7		

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

						Kala	ımazoo — Con						
Census Tracts	Tract 0009	Tract 0010	Tract 0011	Tract 0012	Tract 0014.01	Trect 0015.04	Tract 0015.05	Tract 0016.01	Tract 0016.02	Tract 0017.01	Tract 0017.02	Tract 0018.01	Tract 0018.02
All housing units Vacant - seasonal and migratory	769	2 678 1	1 131	1 266	1 038	349 1	2 080	736	916	1 354	1 124 5	1 409	1 637
All year-round housing units	769	2 677	1 131	1 266	1 038	348	2 080	736	916	1 354	1 119	1 409	1 637
TENURE, RACE, AND VACANCY STATUS													
Owner occupied	393 - 334 56 334 279 51 42	1 670 18 1 656 9 920 907 11 87	651 634 14 407 392 11 73	947 940 3 291 287 3 28	889 - 862 24 125 124 1 24	111 108 1 235 225 5	905 - 886 12 1 143 1 111 23 32	676 - 671 2 46 46 - 14	750 747 1 143 142 23	830 	859 - 847 10 225 220 5 35	1 129 - 1 121 3 247 241 4 33	1 192 168 1 190 1 427 424 3 18
For sale only Vacant less than 6 months Median price asked For rent Vacant less than 2 months	5 2 18 9	12 5 \$11 900 33 16	13 11 \$11 300 22 19	 12 6	\$15 000 4	- - 1	4 24 16	\$25 000 2	 12 5	6 6 \$38 800 16 14	7 5 \$21 300 13 8	11 7 \$17 500 5 3	\$16 300 7 4
Median rent askedOther	\$83 19	\$106 42	\$95 38	\$143 12		i	\$184 4		\$90 7	\$156 21	\$115 15	\$110 17	\$156 6
LACKING SOME OR ALL PLUMBING FACILITIES													
All units Owner occupied Negro Renter occupied Negro Vacont year-round For sale only For rent	64 20 1 40 4 4 -	56 11 39 6	35 14 - 17 - 4 - 1	1 1 - - -	6 5 1 - -	-	2 2 - - - - -	1 1 - - - -	17 12 	22 14 	24 17 - 7 - -	24 20 - 4 - - -	30 21 - 9 - - -
COMPLETE KITCHEN FACILITIES AND ACCESS													
Lacking complete kitchen facilities Access only through other living quarters ROOMS	14	27	14 3	2 -	17 -	ī	1	Ξ	5 -	3 -	2 2	7 -	2
1 room	18 29 95 120 137 177 126 42 25 5.4	18 62 322 521 538 702 344 113 57 5.3	1 25 145 174 175 301 191 75 44 5.7	1 7 44 167 177 272 277 177 144 6.4	2 5 22 178 500 245 59 22 5 5.1	1 14 158 52 44 37 25 10 7 3.5	3 124 251 765 372 199 163 147 56 4.4	1 11 59 146 172 118 115 114 6.4	3 3 64 247 277 174 68 39 41 5.0	9 123 321 341 276 131 86 67 5.2	3 6 55 293 307 244 137 52 22 5.2	1 14 69 258 446 405 154 46 16 5.3	1 7 98 477 491 333 153 56 21 5.0
All occupied housing units	727	2 590	1 058	1 238	1 014	346	2 048	722	893	1 311	1 084	1 376	1 619
PERSONS 1 persons 2 2 persons 3 3 persons 4 4 persons 5 5 persons 6 6 persons or more 6 Median, all accupied units 7 Median, center accupied units Median, renter accupied units 7 Units with roomers, boorders, or lodgers 7	195 217 99 78 45 93 2.3 2.3 2.3	609 798 431 307 202 243 2.4 2.5 2.2	257 341 163 127 77 93 2.3 2.3 2.3	242 394 202 188 113 99 2.5 2.7 2.0	57 258 178 235 157 129 3.6 3.5 20	24 178 79 36 16 13 2.3 2.4 2.3	275 673 380 481 127 112 2.7 3.1 2.5	45 203 126 158 112 78 3.4 3.5 2.3	131 297 162 133 78 92 2.6 2.5 2.8	224 454 232 182 118 101 2.5 2.9 2.1	168 358 181 186 107 84 2.6 2.8 2.3	207 419 260 230 155 105 2.7 2.8 2.4	277 537 306 269 142 88 2.5 2.7 2.1
PERSONS PER ROOM													
1.00 or less 1.01 to 1.50 1.51 or more Units with all plumbing facilities — 1.01 or more	672 41 14 52	2 456 109 25 131	1 015 37 6 41	1 225 12 1 13	922 76 16 91	329 12 5 17	1 973 70 5 75	712 10 - 10	827 55 11 63	1 274 33 4 36	1 035 40 9 49	1 323 45 8 53	1 577 37 5 41
VALUE Specified owner occupied units* Less than \$5,000	333 30 69 106 101 20 6 - - 1 \$9 100	1 448 17 72 324 842 156 26 9 2	583 11 49 140 221 62 37 40 15 8 \$11 500	920 - 4 60 189 178 228 147 110 \$26 100	872 4 26 65 397 329 38 11 1 1	104 - 1 3 26 19 23 20 9 3 \$20 700	663 2 2 7 36 60 123 332 96 5 \$28 100	666 1 58 78 68 177 195 89 \$32 200	744 15 94 170 249 75 31 27 27 27 56 \$11 500	821 2 10 26 148 181 110 168 115 61 \$22 000	835 5 57 124 283 215 106 42 2 1 \$14 000	1 040 6 16 60 360 402 148 47 1	997 - 9 36 202 400 244 99 5 2 \$18 200
CONTRACT RENT													
Specified renter occupied units ² Less than \$30 \$30 to \$39 \$40 to \$59 \$60 to \$79 \$80 to \$99 \$100 to \$149 \$150 to \$199 \$200 to \$249 \$250 or more No cash rent Median	13 9 46 75 92 86	919 13 2 48 113 263 442 13 4 - 21	405 6 4 20 76 107 164 5 2 1 20 \$96	291 - - 2 8 14 171 60 18 4 14 \$139	124 2 3 8 14 58 24 3 - 4 \$120	234 4 - 15 163 39 7 1 1 - 5 \$96	1 125 5 3 15 84 386 312 110 192 18 \$160	45 3 - 2 - 14 5 8 3 10 \$146	142 1 3 11 222 37 58 3 1 1 5 \$97	480 3 1 3 5 16 126 300 11 1 1 14 \$163	222 2 - 5 23 25 112 39 - 16 \$124	247 1 8 13 23 128 49 11 - 14 \$130	422 1 2 6 15 159 218 10 4 7 \$156

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

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

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

		111 5430 101	Portage	- Control	, modelin, c	tc.) and med				f Kalamazo	County			
Census Tracts	Tract 0019.01	Tract 0019.02	Tract 0019.03	Tract 0020	Tract 0021	Tract 0013	Tract 0014.02	Tract 0015.01	Tract 0015.02	Troct 0015.03	Tract 0018.03	Tract 0022.01	Tract 0022.02	Tract 0023
All housing units Vacant — seasonal and migratory	2 050	1 243	1 618	1 874	2 504 15	706	3 001 3	759	1 634	1 657 1	477	952 2	1 400 1	678 3
All year-round housing units	2 050	1 243	1 618	1 874	2 489	706	2 998	758	1 634	1 656	477	950	1 399	675
TENURE, RACE, AND VACANCY STATUS														ĺ
Owner occupied	1 430 1 415 12	1 077 1 070 3	1 487 1 477 7	1 700 1 690 7	2 107 6 2 095 7	497 496	2 178 5 2 138 30	651 610 39	832 825 6	1 315 1 302 12	352 348 4	743 - 728 10	1 202 1 184 13	579 575 4
Renter occupiedWhite	527 520	142 142	102 101	137 135	320 316	204 202	715 69 2 14	89 78 8	660 645 12	298 290 7	101 101	174 174	175 174	89 88
Negro	93 8 8 8 \$27 000	24 6 4 \$27 500	29 10 10 \$20 000	37 24 13 \$34 000	62 10 6 \$22 500	5 2 	105 20 15 \$13 800	18 8 6 \$14 400	142 4 	43 8 7 \$20 000	24 1 	33 5 4 	22 5 4 \$8 800	3
For rent Vocant less than 2 months Median rent asked Other	59 48 \$112 26	3 15	1	- - 13	12 3 \$85 40	2 i	51 5 \$149 34	 6	122 118 \$165 16	\$135 30	 19	9 6 \$88 19	5 3 \$125 12	 3
LACKING SOME OR ALL PLUMBING FACILITIES														
All units Owner occupied Negro Renter accupied Negro Vacant year-round For sale only	40 21 - 14 - 5	27 21 - 1 - 5	17 16 - - 1	13 11 2 -	31 24 5 - 2	15 11 - 4 - -	78 56 17 5 1	27 20 2 5 1 2	15 13 - 2 - -	35 27 7 - 1	33 29 - 3 - 1	48 38 - 7 - 3 1	48 31 - 12 - 5 1	20 14 - 5 1
For rent	3	-	~	-	-	-	-	-	-	wa.	-	2	-	-]
COMPLETE KITCHEN FACILITIES AND ACCESS Locking complete kitchen facilities	4 -	15	6 -	13 -	8	1 -	11	2	-	4	2 -	14	13	2
room	24 40 255 390 557 469 214 70 31 5.1	2 5 29 175 386 277 157 122 90 5.6	2 7 78 411 377 281 352 110 6.3	27 90 616 454 293 265 126 5.9	5 13 91 462 904 583 254 122 55 5.2	4 16 82 108 173 165 100 31 27 5.3	23 171 715 1 174 582 232 72 72 5.0	2 17 46 215 164 129 86 57 42 5.1	10 14 154 499 552 249 103 34 19 4.8	3 8 51 311 530 398 224 97 34 5.4	1 8 42 151 162 68 35 8 2 4.7	2 9 62 247 281 231 78 28 12 5.1	5 16 50 249 509 315 140 63 52 5.2	2 22 103 207 185 75 47 34 5.5
All occupied housing units	1 957	1 219	1 589	1 837	2 427	701	2 893	740	1 492	1 613	453	917	1 377	668
PERSONS 1 persons 2 persons 3 persons 4 persons 6 persons 6 persons or more Median, all occupied units Median, owner accupied units Median, renter occupied units Median, renter occupied units Median, renter occupied units	223 512 341 375 271 235 3.2 3.7 2.1	76 323 222 256 190 152 3.4 3.5 3.2	48 198 267 461 328 287 4.1 4.1 3.8	66 333 280 468 402 288 4.0 4.1 3.1	197 626 412 542 376 274 3.4 3.6 2.8	131 248 99 98 70 55 2.4 2.8 1.9	384 911 523 493 324 258 2.8 2.9 2.5	120 210 137 122 70 81 2.8 2.8 2.8	185 531 299 240 158 79 2.6 3.4 2.1	239 553 307 270 134 110 2.5 2.7 2.2	73 134 90 63 46 47 2.7 2.5 3.3	122 264 143 137 128 123 3.0 3.0 3.0	120 357 217 290 211 182 3.5 3.6 2.7	53 169 115 147 112 72 3.5 3.5 3.2
PERSONS PER ROOM 1.00 or less 1.01 to 1.50 1.51 or more Units with all plumbing facilities = 1.01 or more	1 816 135 6 141	1 143 70 6 71	1 499 82 8 90	1 727 103 7 109	2 271 139 17 153	687 12 2 13	2 707 165 21 178	698 38 4 42	1 434 54 4 58	1 573 35 5 39	404 44 5 44	820 80 17 92	1 266 97 14 104	622 42 4 45
VALUE	, .,,	1 057	1 456	1 636	2 043	489	2 109	478	807	1 287	306	705	1 114	423
\$pacified owner occupied units¹ Less than \$5,000 \$5,000 to \$7,499 \$7,500 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$19,999 \$25,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 or more Median	1 311 16 30 73 323 498 233 117 16 5 \$17 100	1339 66 1922 209 91 189 178 80 \$20 500	12 24 114 409 312 453 120 8 \$22 600	5 10 27 247 357 323 382 249 36 \$22 700	20 59 126 414 550 483 303 74 14 \$18 700	1 5 21 105 143 105 80 21 8 \$18 900	34 105 246 939 553 134 82 13 3 \$13 500	10 13 59 151 104 24 51 45 21 \$15 200	2 3 5 53 256 261 212 14 1 \$21 600	4 19 45 252 423 339 179 21 5 \$18 900	44 63 89 89 18 1 1	48 121 162 251 79 21 15 5 3 \$10 400	39 69 82 206 232 243 189 46 8 \$18 700	5 18 27 74 91 80 93 31 4 \$19 800
CONTRACT RENT									485		101	141	167	,
Specified renter occupied units ²	511 2 - 8 29 52 353 52 3	141 4 	96 5 -4 5 6 33 26 9	126 4 - 7 19 14 36 24 6 4	313 9 42 63 141 29 6	203 3 1 4 37 55 75 7 8	710 4 4 19 54 63 350 182 2 - 32	81 3 1 11 11 13 20 10	658 - 1 24 9 129 431 33 16	296 1 	101 - 29 27 16 37 1	171 2 3 11 33 39 56 7	16/ 3 16/ 23/ 36/ 50/ 18/ 1/	56 1 19 4 18 2
No cash rent	12 \$116	10 \$115	5141	12 \$120	19 \$110	13 \$98	\$132	\$90	\$168	\$138	\$88	\$89	\$95	\$80

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

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

	una con si praconi. Impirità di lice				В	alance of Ka	lamazoo Cou	nty Con.		CHORIDANING VIOLET		<u> </u>	
Census Tracts	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029	Tract 0030	Tract 0031.01	Tract 0031.02	Tract 0032	Tract 0033	Tract 0034
All housing units Vacant—seasonal and migratory	480 -	470 -	1 425 188	358	1 115 27	2 176	2 592 4	1 293 105	844 33	429	707 2	2 016 115	911 4
All year-round housing units	480	470	1 237	358	1 088	2 176	2 588	1 188	811	429	705	1 901	907
TENURE, RACE, AND VACANCY STATUS													
Owner occupied	300	395	838	255	932	1 918	2 070	995	671	305	515	1 553	759
Cooperative and condominium	300	390	834	254	928	1 912	2 033	988	668	305	513	1 546	756
Renter occupied	149	3 61	262	93	129	206	27 444	147	120	102	165	235	105
WhiteNegro	148	61	262	90 3	129	202 4	438 1	145	119	100	163	235 113	43
Vacant year-roundFar sale only	31 1	14 3	137 6	10 4	27 8	52 8	74 10	46 6	20 1	22 2	25 3	7	5
Vacant less than 6 months Median price asked			\$27 500	•••	\$23 100	\$22 500	\$30 000	\$42 500		 3	10	\$11 300	
For rent	18 5	_	51 6		1	1	35 13	2			1	13 3 \$100	7 3
Median rent askedOther	\$104 12	3	\$55 80	··· <u>·</u> 2	\$135 14	\$98 35	\$133 29	\$105 33	16	17	\$110 12	93	'äi
LACKING SOME OR ALL PLUMBING FACILITIES													ĺ
All units	24 15	13 10	42 14	16 8	21 18	80 61	1 22 88	54 38	28 15	14 4	31 22	106 53	67 46
Owner occupied Negro	7	2	14	- 8	- 3	13	1 24	- 7	- 6	- 7	7	 4	13
Renter occupied Negro Vacant year-round	·	1	14	-	-		- 10	, - 9	- 7	$\frac{7}{3}$	- 2	49	8
For sale only	-	- 1	-	-	-	i	- 5	í	-		-	1 3	-
COMPLETE KITCHEN FACILITIES AND ACCESS	-	,	_	_	_	_	,		-	_		J	
Lacking complete kitchen facilities Access only through ather living quarters ROOMS	7	2 -	20 2	6	1	10 1	30 -	20	16	12	8	36	15
1 room	6	- 3	22 36	4 16	} 16	4 15	7 25	2 6	5 13	5 9	1 7	5 29	2 7
2 rooms	16 71 95	14 91	68 196	26 67	37 118	75 422	118 473	48 181	42 199	29 76	53 116	124 391	30 104
4 rooms	93 92	143 108	285 274	94 66	286 277	667 528	698 538	329 290	232 147	89	149 168	581 401	195 249
6 roams	64	65	198 77	60 16	157 104	264 120	390	157	94 40	98 52 41	123 50	194 107	156 100
8 rooms	27 16 5.1	24 22 5.4	81 5.5	9 5.2	92 5.8	81 5.4	200 139 5.5	93 82 5.6	39 5.1	30 5.6	38 5.7	69 5.2	64
Median	3,1	5,4	5.3	3.2	3,6	3.4	3.3	3.0	3.1	3,0	3.7	3.2	0.0
All occupied housing units PERSONS	449	456	1 100	348	1 061	2 124	2 514	1 142	791	407	680	1 788	864
) person	89	54	157	73	91	196	245	116	76	89	120	178	98
2 persons	146 71	132 64	354 161	104 43	301 162	524 343	749 433	323 170	233 128	100 55	196 112	562 319	229 147
4 persons	68 38	103 54	182 143	60 43	223 151	450 326	460 308	233 148	154 114	68 48	. 109 76	324 214	148 116
6 persons or more Median, all occupied units	37 2.4	49 3.2	103 2.7	25 2.5	133 3.4	285 3.5	319 3.1	152 3.3	86 3.2	47 2.8	67 2.7	191 3.0	126 3.2
Median, owner accupied units Median, renter accupied units	2.6 2.2	3.1 3.8	2.9 2.3	2.7 2.2	3.5 2.8	3.6 2.9	3.4 2.3	3.4 2.9	3.3 2.7	3.0 2.4	2.8 2.5	3.1 2.5	3.2 3.2
Units with roomers, boarders, or lodgers	6	3	7	6	8	19	36	15	10	5	12	25	10
PERSONS PER ROOM	i												
1.00 or less	429 18	429 20	1 038 50	330 17	1 002 51	1 950 148	2 361 128	1 076 55	730 53	386 20	645 28	1 661 107	805 52 7
1.51 or more Units with all plumbing facilities = 1.01 or more	20	7 26	12 62	1 18	8 59	26 167	25 138	11 65	8 56	1 21	7 34	20 118	7 56
VALUE													
Specified owner occupied units	265	239	678	227	741	1 625	1 286	665	476	282	466	1 013	371
Less than \$5,000 \$5,000 to \$7,499	9 32	8 13	15 30	18 24	6 17	40 104	29 54	15 32	13 19	18 23	24 75	42 72	17 57
\$7,500 to \$9,999 \$10,000 to \$14,999	45 97 54	21 65	42 96	43 84	35 89	180 373	60 247	45 148	43 111	52 93	83 161	73 229	79 118
\$15,000 to \$19,999 \$20,000 to \$24,999	54 18	65 53 42	126 98	40 9	119 170	289 309	264 222	155 97	93 72	52 21	81 24	258 168	60 26
\$25,000 to \$34,999 \$35,000 to \$49,999	7 2	26 8	101 87	8 1	178 62	238 73	221 140	90 46	86 29	20 2	11 7	109 54	11
\$50,000 or more Median	1 \$12 400	\$15 900	\$21 500	\$11 400	\$23 100	19 \$17 000	49 \$19 800	37 \$17 900	10 \$18 000	1 \$12 100	\$11 300	8 \$16 700	\$11 100
CONTRACT RENT	·												
Specified renter occupied units? Less than \$30	4	37 5	215 6	88 1	97 5	177 4	375 5	80 3	94 3	101	165 4	188 4	63
\$30 to \$39\$40 to \$59	2 5	2	3 11	11	2 14	ıĩ	3 18	7	1 5	4 10	3 11	7	2 8
\$60 to \$79	26	4 7	28 17	20 25	7 11	36 45	26 23	14 12	11 13	28 27	35 22	20 54	2 2 8 16 10
\$100 to \$149	76	9 3	80 18	19 -	35	51 11	105 162	25 7	29 21	19 -	78 3	70 7	10
\$200 to \$249 \$250 or more	-	_	2 5	-	3 1	2 1	3	<u>-</u>	-	-	_	<u>i</u>	-
No cash rent		7 \$87	45 \$110	10 \$83	10 \$105	16 \$93		12 \$95	11 \$114	13 \$81	9 \$101	25 \$99	15 \$77
(TIDMPM*)	چانچ	φυ/	φιιυ	400	CO1 4	Ψ/3	ψ14/	410	φι(4	φυ1	φισι	ψ,,,	ψ, /

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

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

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

	,	Kalamazoo			Kalamazaa								
Census Tracts	Total	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003	Tract 0004	Tract 0005	Tract 0006	Tract 0007	Tract 0008	
All year-round housing units	62 062	27 167	9 267	25 628	1 200	1 007	1 909	539	1 565	3 106	5	1 337	
•	02 002	27 107	7 207	23 020	1 200	1 007	1 707	507	, 505	2 100	•	1 307	
1 (includes mobile home or trailer) 2 3 and 4 5 to 49 50 or more	48 453 4 577 2 600 5 881 551	17 063 3 503 2 162 3 980 459	8 670 202 54 341	22 720 872 384 1 560 92	832 235 69 30 34	537 216 97 71 86	1 274 395 169 71	132 123 124 160	643 299 253 370	922 646 609 693 236		374 235 270 458	
YEAR STRUCTURE BUILT				ļ								l	
1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	1 669 7 119 6 771 13 600 7 601 25 302	539 2 047 1 516 4 061 3 317 15 687	379 1 591 2 318 2 974 940 1 065	751 3 481 2 937 6 565 3 344 8 550	6 72 77 109 138 798	5 19 42 941	62 25 12 153 204 1 453	- - 22 19 498	23 49 28 205 1 260	45 174 80 67 227 2 513	•••	9 15 10 70 1 233	
HEATING EQUIPMENT									220	0.00		001	
Steam or hot water	7 400 47 099 1 131 1 781 4 651	3 840 20 571 565 514 1 677	783 7 745 69 206 464	2 777 18 783 497 1 061 2 510	52 992 47 109	100 689 9 22 187	74 1 523 38 39 235	154 343 8 5 29	379 1 061 18 - 107	836 2 017 107 29 117	•••	331 896 4 19 87	
BASEMENT				1									
All units with basement	51 755 40 914	24 051 15 381	7 540 7 35 2	20 164 18 181	1 092 733	983 523	1 798 1 243	533 132	1 507 623	2 857 898	•••	1 325 374	
With more than 1 bathroom With public water supply With public sewer With air conditioning Room unit(s) Central system	18 597 41 365 28 118 12 548 9 580 2 968	7 094 26 878 23 592 5 822 4 417 1 405	4 130 3 807 955 1 858 1 455 403	7 373 10 680 3 571 4 868 3 708 1 160	224 1 200 1 191 108 94 14	107 1 007 979 25 13	302 1 901 1 885 129 84 45	87 522 522 48 48	369 1 582 1 576 188 170	530 3 105 3 105 455 420 35	•••	140 1 336 1 336 107 90 17	
All occupied housing units	59 406	25 814	9 011	24 581	1 130	894	1 756	482	1 416	2 890		1 205	
YEAR MOVED INTO UNIT												j	
1968 to March 1970 1965 to 1967 1960 to 1964 1950 to 1959 1949 ar earlier	20 549 10 952 8 665 11 056 8 184	10 655 3 932 2 987 4 297 3 943	2 678 2 283 1 807 1 649 594	7 216 4 737 3 871 5 110 3 647	501 159 119 132 219	311 133 136 163 151	710 314 174 237 321	257 83 42 53 47	786 132 156 149 193	1 697 304 271 306 312		548 145 136 175 201	
AUTOMOBILES AVAILABLE	!			-									
1	28 761 21 169 4 050 5 426	13 567 6 785 1 342 4 120	3 548 4 587 734 142	11 646 9 797 1 974 1 164	694 171 36 229	441 98 16 339	905 312 45 494	222 35 10 215	827 252 86 251	1 557 367 143 823		664 121 44 376	
GROSS RENT													
Specified renter occupied units* Less than \$40 \$40	16 406 84 455 1 187 2 612 6 664 3 538 729 434 703 \$125	10 905 61 371 966 2 107 4 379 1 856 469 386 310 \$117	1 171 12 20 62 562 358 68 27 62 \$141	4 330 23 72 201 443 1 723 1 324 192 21 331 \$138	436 4 34 54 59 232 31 7 - 15	512 6 46 66 170 188 8 6 - 22 \$93	739 23 7 50 167 374 73 16 12 17	366 - 12 53 128 140 16 5 - 12	846 - 16 103 202 319 154 14 20 18 \$114	2 132 5 44 248 506 973 152 108 66 30 \$107		901 	
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME													
Specified renter occupied units: Less than \$5,000 Less than 20 percent. 20 to 24 percent 25 to 34 percent 35 percent or more Not computed Median	16 406 6 525 179 286 1 052 4 495 513 35.0+	10 905 5 113 152 230 883 3 512 336 35.0 +	1 171 228 - 5 39 167 17 35.0+	4 330 1 184 27 51 130 816 160 35.0 +	436 210 4 16 35 145 10 35.0+	512 304 31 6 61 179 27 35.0 +	739 393 6 16 97 247 27 35.0 +	366 266 6 45 191 24 35.0 +	846 382 23 11 76 261 11 35.0+	2 132 1 229 38 69 186 875 61 35.0+		901 505 9 30 119 323 24 35.0 +	
\$5,000 to \$9,999 Less than 20 percent 20 to 24 percent 23 to 34 percent 35 percent or more Not computed Medion	5 989 2 722 1 465 1 262 293 247 20.5	3 799 1 798 943 757 207 94 20.3	483 215 95 104 23 46 20.2	1 707 709 427 401 63 107 21.1	170 91 36 33 10 - 19.5	159 95 46 18 - - 18.6	246 142 26 42 36 	73 56 12 5 -	342 161 84 92 - 5 20.4	697 411 144 96 37 9 18.6		307 170 60 56 6 15	
\$10,000 to \$14,999	2 758 61 151 14.7	1 406 30 68 14.3	330 9 8 14.9	1 022 22 75 15.1	47 - 5 13.2	44 10 14.6	81 5 	21 - -	99 12 13 13.3	165 - - 12.2	•••	55 7 12.9	
\$15,000 or more	1 134 	587 11 10.0~	130 _ 12.6	417 33 11.3	9 - - 	5 - - 	19 - - 	6 - 6 -	23 - - 	41 - 10.0-		34 - 10.0-	

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

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

		Kalamazoo — Con.											
Census Tracts	Tract 0009	Tract 0010	Tract 0011	Tract 0012	Tract 0014.01	Tract 0015.04	Tract 0015.05	Tract 0016.01	Tract 0016.02	Tract 0017.01	Tract 0017.02	Tract 0018.01	Tract 0018.02
All year-round housing units	752	2 693	1 131	1 266	1 038	343	2 080	736	918	1 354	1 124	1 409	1 655
UNITS IN STRUCTURE													
1 (includes mobile home or trailer) 2 3 and 4	442 222 43	1 795 632 183	822 204 87	1 023 34	992 30	157 6	1 129 43	715 15	903 11	896 20 9	1 012 46	1 262 48	1 196 43
5 to 49 50 or more	45 45 	83	18	52 151 6	11 5 	180	18 818 72	- 6 -	- 4 -	424 5	39 27 -	26 73 -	103 293 20
YEAR STRUCTURE BUILT													
1969 to March 1970	-	5	- - 5	12 26 85	20 10 63	25	229 883	22 76	12 16	18 375	16	34 67	70 274 150
1950 to 1959 1940 to 1949	14 71	175 247	19 84	186 265	603 139	174 88	475 363 43	146 348 104	66 199 183	186 487 154	36 222 258	46 419 435	444 341
1939 or earlier HEATING EQUIPMENT	667	2 266	1 023	692	203	56	87	40	442	134	592	408	376
Steam or hot water Warm air furnace	48 524	222 2 309	77 964	188 1 064	22 891	185 153	545 1 315	109 601	55 707	277 871	56 940	26 1 265	104 1 441
Built-in electric units	10 21	11 48	4 9	-	5 44	-	162 28	16 10	9 48	92 53	16 36	27 37	29 19
Other means or not heatedBASEMENT	149	103	77	14	76	5	30	-	99	61	76	54	62
All units with basementOne-family houses with basement	742 437	2 606 1 713	1 122 822	1 146 990	799 762	125 125	1 062 695	688 673	804 796	1 121 731	1 044 948	1 170 1 039	1 522 1 119
SELECTED EQUIPMENT													Ì
With more than 1 bathroom	122 742	540 2 701	309 1 131	808 1 266	107 1 007	63 341	795 1 972	517 723	146 869	495 1 341	276 1 090	443 1 396	708 1 640
With public sewer With air conditioning Room unit(s)	738 77 77	2 695 341 320	1 072 139 118	1 182 520 320	256 177 170	260 88 74	1 690 1 079 803	541 274 165	352 131 79	1 013 699 466	598 234 222	1 210 382 295	1 391 1 621 389
Central system	and .	21	21	200	7	14	276	109	52	233	12	87	232
All occupied housing units	708	2 609	1 058	1 238	1 014	341	2 048	722	890	1 311	1 084	1 376	1 642
YEAR MOVED INTO UNIT													
1968 to March 1970 1965 to 1967 1960 to 1964	259 132 71	937 381 327	382 75 65	380 218 148	255 287 137	225 39 22	1 285 307 283	192 163 131	175 153 110	619 167 143	266 215 139	363 213 172	507 312 205
1950 to 1959	103 143	468 496	163 373	197 295	232 103	48 7	150 23	205 31	243 209	291 91	271 193	355 273	356 262
AUTOMOBILES AVAILABLE													
2 3 or more	380 109 20	1 538 561 1 1 2	479 302 47	491 597 60	500 424 31	246 81 7	1 082 621 291	265 398 59	432 326 76	657 559 43	628 373 36	749 458 89	810 620 91
GROSS RENT	199	398	230	90	59	7	54	-	56	52	47	80	121
Specified renter accupied units Less than \$40	323 9	926	401 4	291	125	230	1 111 5	52	142	481 5	225	247	419
\$40 to \$59 \$60 to \$79	20 53	30 75	16 45	-	15	-	15	-	9 16	- 4	- 6 5	- 6	11
\$80 to \$99 \$100 to \$149 \$150 to \$199	71 129 23	173 511 94	55 192 39	7 166 84	31 32 32	167 48 -	69 258 381	6 11	32 70 11	73 324	43 75 85	12 137 63	127 238
\$200 to \$249 \$250 or more No cash rent	- 5 13	8 6 29	10 6 34	6 16 12	12 - 3	- - 15	146 214 23	5 24 6	4	60 15	- - 11	24 - 5	31 8 4
Median GROSS RENT AS PERCENTAGE OF INCOME	\$101	\$112	\$114	\$143	\$134	\$96	\$176	\$255	\$108	\$173	\$135	\$139	\$165
BY INCOME													
Specified renter accupied units* Less than \$5,000 Less than 20 percent	323 190 9	926 379 10	401 169 16	291 45	125 50	230 95	1 111 598	52 -	142 34	481 100	225 34 6	247 53	419 i 77
20 to 24 percent 25 to 34 percent 35 percent or more	33 35 90	15 114 206	13 11 88	6	5 12	10 34	29	-	12	- -	_ 5	6	77
Not computed	23 35.0 +	34 35.0 +	41 35.0 +	39 - 35.0+	28 5 35.0 +	46 5 35.0+	541 28 35.0 +	-	22 - 35.0 +	95 5 35.0 +	17 6 35.0 +	42 5 35.0 +	35.0 +
\$5,000 to \$9,999 Less than 20 percent	101 60	361 197	184 90	132 12	42 27	110 74	303 59	16	62 42	161 9	125 49	95 28	113 25
20 to 24 percent 25 to 34 percent 35 percent or more	23 18	83 71	48 25 6	77 37 6	5 7	26	97 87 47	5 11	15	65 51 31	23 48	32 18 17	41 43
Not computed	18.2	10 19.3	15 - 19.5	23.5	3 17.8	10 17.9	13 24.4		17.4	5 25.8	5 22.4	23.0	23.6
\$10,000 to \$14,999 25 percent or more	15 5	143	43	74	33	15	152	23	37	109	46	61	143 8
Not computed		13.0	15.3	12 15.8	16.4		5 16.1		10.8	5 18.6	15.2	14.2	16.8
\$15,000 or more 25 percent or more Not computed	17	43	5	40	-	10	58 -	13	9	111 - 5	20	38	86
Median		10.0-		10.8	_		12.1			11.7		11.8	10.0 -

*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]

	Tota basea		Portage						Balance o	f Kalamazoo	County	· · · · · · · · · · · · · · · · · · ·		
Census Tracts	Tract 0019.01	Tract 0019.02	Tract 0019.03	Tract 0020	Tract 0021	Tract 0013	Troct 0014.02	Tract 0015.01	Tract 0015.02	Tract 0015.03	Tract 0018.03	Tract 0022.01	Tract 0022.02	Troct 0023
All year-round housing units	2 004	1 268	1 618	1 880	2 497	728	2 989	776	1 641	1 657	456	965	1 341	703
UNITS IN STRUCTURE					İ									
] (includes mobile home or trailer)		1 258	1 603	1 831	2 366	573	2 493	742 27	908 17	1 447 104	443 8	897 41	1 250 36	678 25
2	30 321	5 5 ~	10 - -	49 - -	102 9 20 -	21 22 112	80 26 362 28	7 -	663 53	6 89 11	5	27	48 7 ~	-
YEAR STRUCTURE BUILT					į									- (
1969 to March 1970	222	8	33	84	32	5	65	16	59	5	.=	18	23	17
1965 to 1968 1960 to 1964	397 405	161 267	417 650	415 621	201 375	14 40	323 169	110 169	650 274	127 101	13 28	10 35 126	187 213 444	106
1950 to 1959 1940 to 1949	256	566 162	332 87	627 94	961 341	237 136	956 557	210 74	568 35	631 311	101 123	234 542	180 294	137 75 222
1939 or earlier	236	104	99	39	587	296	919	197	55	482	191	342	274	222
HEATING EQUIPMENT							0.51	40	400	70	11	27	155	109
Steam or hot water Warm air furnace	312 1 534	80 1 087	32 1 512	164 1 635	195 1 977	124 571	351 2 168	68 606	429 1 042	73 1 530	251	676	987	504
Built-in electric units Floor, wall, or pipeless furnace	37 32	8 35	27	14 6	106	10 5	24 241	5 48	118 23	19 10	63 131	113 149	12 77 110	15
Other means or not heated	89	58	47	61	209	18	205	49	29	25	(31	147	110	63
BASEMENT										1	2.0		1 137	420
All units with basement One-family houses with basement	1 393 1 327	1 037 1 037	1 470 1 455	1 723 1 694	1 917 1 839	679 540	2 368 1 964	508 474	1 216 848	1 535 1 357	269 261	684 643	1 086	630 615
SELECTED EQUIPMENT	}											0.4	490	229
With more than 1 bathroom With public water supply	894	644 618	1 043 1 043	1 132 858	772 394	27 9 7 07	543 2 794	189 578	1 610	599 1 645	335	86 29 19	104	5
With public sewerWith air conditioning	773 474	31 326	28 329	41 419	82 J 310	586 263	617 780	69 91	759 941	231 467	26 49	129	45 179	66
Room unit(s)	380	217 109	272 57	331 88	255 55	193 70	672 108	67 24	752 189	307 160	49	116 13	122 57	25
					į									
All occupied housing units	1 900	1 244	1 589	1 852	2 426	725	2 881	763	1 \$05	1 613	407	914	1 332	693
YEAR MOVED INTO UNIT	Í				Í									
1968 to March 1970	741 434	311 314	470 556	526 488	630 491	150 162	959 577	214 147	772 228	4 3 9 238	117 22	271 129	303 267	120 196
1960 to 1964	336	214 328	384 112	485 297	388 639	110 176	322 569	114 174	221 257	187 429	69 55	116 158	330 306	117
1949 or earlier	116	77	67	56	278	127	454	114	27	320	144	240	126	128
AUTOMOBILES AVAILABLE						0.40	1 440	937	405	791	207	477	628	294
2	999 767	472 662	560 902	550 1 075	967 1 181	362 290	1 449 1 026 191	336 313	695 596 188	615 132	101 18	288 60	515 143	329
3 or more	93 41	89 21	1 20 7	215 12	217 61	39 34	215	66 48	26	75	18	89	46	-
GROSS RENT					Ì									(
Specified renter occupied units'		132	94	125	316	211	704	90 8	664	298	88	196	133	48
Less than \$40 \$40 to \$59	- 1	- 4 3	- - 5	-	8	33	5 5	-	12	12	5 5	11 14	12	-1
\$60 to \$79	11	4 65	11	29	36 129	59 68	29 341	5 36	5 116	23 84	19 59	15 115	10 53	5 35
\$100 to \$149 \$150 to \$199 \$200 to \$249	151	36	26 26	44 23	101	17 15	264 23	6 8	440 72	131 20	_	29 7	44	-
\$250 or more No cash rent	_	16	6 11	5 24	17	19	37	27	19	12 16	-	5	14	B
Median	\$134	\$144	\$182	\$174	\$141	\$107	\$145	\$121	\$172	\$158	\$108	\$127	\$136	\$110
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME														
Specified renter occupied units' Less than \$5,000	504 85	132 29	94 9	125 30	316 75	211 34	704 179	90 16	664 212	298 101	88 25	196 62	133 39	48 13
Less than 20 percent	-	- -	-	-	5	-	-4	_		- 6	-	_	_	-
25 to 34 percent 35 percent or more	15	21	9	12 18	12 54	15 13	40 131	5 -	207	6 83	10 15	16 41	34	13
Not Computed	35.0+	8	~	35.0+	35.0 +	6 34.3	35.0 +		5 35.0 +	6 35.0 +	35.0+	5 35.0 +	5 35.0 +	
\$5,000 to \$9,999	252	45	43	24	119	107	252	46	225	98	41	91	60	22
Less than 20 percent20 to 24 percent	116	29	11 5	-	59 35	65 22	52 80	28 10	20 68	18 31	41	33 37	23 20	17 5
25 to 34 percent 35 percent or more	66	13	12 4	-	13 [10 5	100 5	-8	93 39	39	-	21	11	-
Not computed	6	18.5	11 25.0	24	19.7	5 18.5	15 24.2	18.3	5 27.4	10 24.2	17.5	21.7	21.0	
\$10,000 to \$14,999	1	44	25	15	111	48	160	28	133	67	17	38	19	13
25 percent or more	135									6	_	_		-
Not computed	135	3	-	_	ر ا	5	11	16	9	-	-	-	-	8
Not computed			20.8		8 16.0	15.2	14.9	16	17.5	16.6		13.0		•••
Not computed		3	-	-	8			16	,	-	-	-	-	

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)

			T		Во	lance of Kal	amazoo Cau	nty – Con.					
Census Tracts	Tract 0024	Tract 0025	Tract 0026.01	Tract 0026.02	Tract 0027	Tract 0028	Tract 0029	Tract 0030	Tract 0031.01	Tract 0031.02	Tract 0032	Tract 0033	Tract 0034
All year-round housing units	501	448	1 255	352	1 088	2 185	2 587	1 212	823	423	725	1 876	897
UNITS IN STRUCTURE													
1 (includes mobile hame ar trailer) 2 3 and 4 5 to 49 50 or more	378 47 58 18	444 4 - -	1 164 46 - 45	281 35 15 21	1 035 26 17 10	2 100 68 17 -	2 299 62 36 190	1 192 9 - 11	772 16 13 22	393 25 5 -	577 99 49 - -	1 785 48 38 5	869 28 - - -
YEAR STRUCTURE BUILT					•								
1969 to March 1970 1965 to 1968 1960 to 1964 1950 to 1959 1940 to 1949 1939 or earlier	4 30 36 57 55 319	25 72 41 120 48 142	18 81 166 227 183 580	11 27 86 31 197	33 178 183 306 82 306	34 268 330 684 358 511	168 708 240 548 207 716	79 95 231 263 142 402	45 160 161 239 67 151	6 24 5 56 21 311	11 8 68 57 581	121 246 299 417 280 513	10 57 35 84 88 623
HEATING EQUIPMENT													}
Steam or hot water	69 344 33 55	76 308 6 10 48	140 824 21 35 235	40 266 6 19 21	145 813 8 16 106	241 1 683 54 64 143	229 1 952 57 75 274	132 860 38 14 168	102 577 19 40 85	21 342 - 14 46	37 511 - 52 125	132 1 335 76 70 263	66 633 14 24 160
BASEMENT													
All units with basementOne-family houses with basement	432 318	349 349	849 813	303 243	877 847	1 774 1 719	2 025 1 830	942 931	559 540	372 346	642 509	1 231 1 189	783 759
SELECTED EQUIPMENT													
With more than 1 bathroom With public water supply With public sewer With air conditioning Room unit(s) Central system	96 454 108 54 46 8	163 7 6 39 33 6	431 99 46 137 95 42	65 343 43 33 24 9	568 13 14 199 164 35	760 95 16 301 227 74	826 503 292 412 172 240	376 26 18 118 92 26	255 57 22 129 110 19	82 395 6 106 106 -	100 711 482 140 127	420 153 149 173 145 28	155 17 17 62 48 14
All occupied housing units	466	436	1 078	373	1 061	2 138	2 530	1 142	791	398	708	1 756	871
YEAR MOVED INTO UNIT													
1968 to March 1970 1965 to 1967 1960 to 1964 1950 to 1959 1949 or earlier	205 76 59 72 54	77 75 78 141 65	334 206 174 217 147	114 76 68 82 33	232 267 146 259 157	553 461 356 486 282	914 464 343 499 310	270 222 256 251 143	217 227 121 177 49	93 105 69 73 58	215 138 87 90 178	506 340 389 295 226	141 114 139 212 265
AUTOMOBILES AVAILABLE													
1	256 143 6 61	181 183 57 15	417 504 126 31	252 85 15 21	450 498 85 28	923 991 164 60	1 157 1 129 190 54	459 523 111 49	367 364 39 21	222 103 28 45	434 179 21 74	841 695 165 55	448 327 60 36
GROSS RENT													
Specified renter occupied units* Less than \$40 \$40 to \$59 \$60 to \$79 \$80 to \$99 \$100 to \$149 \$150 to \$199 \$200 to \$249 \$250 or more. No cash rent	154 - 6 20 12 103 13 	29 	202 6 	100 -6 5 28 39 	113 5 11 6 11 40 16 10 4 10 \$122	191 - 14 20 97 29 8 - 23 \$126	379 - 5 6 34 112 183 11 5 23 \$156	68 	97 - - 6 11 55 21 4 - - \$132	90 4 8 4 14 42 10 - - 8 \$121	186 	207 - - 53 90 37 - - 27 \$129	82
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME			·						·				
Specified renter occupied units* Less than \$5,000 Less than 20 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed Median	154 52 - - 52 - 35.0 +	29 5 	202 56 6 4 - 21 25 35.0+	100 24 6 - 9 9	113 64 - 6 5 42 11 35.0 +	191 34 10 14 10	379 89 - - 11 54 24 35.0+	68 13 6 - 7	97 31 6 11 14 - 24.3	90 25 4 4 17 35.0 +	186 65 5 - 12 42 6 35.0 +	207 22 - - 6 16	82 23 - 5 - 8 10
\$5,000 to \$9,999 Less than 20 percent 20 to 24 percent 25 to 34 percent 35 percent or more Not computed Median	58 30 21 7 - - 19.6	18 12 - - 6	101 63 8 13 17 17.7	43 25 9 4 - 5 16.7	29 15 6 8 - 19.8	87 43 19 15 6 4 19.7	112 34 33 40 - 5 23.0	33 22 6 - - 5 17.6	25 10 11 4 - 21.1	35 17 10 - 8 19.0	88 62 9 12 - 5 16.8	107 50 22 24 11 19.7	29 29 - - 14.5
\$10,000 to \$14,999	38 - - 11.6	-	45 - 13.6	27 - 7 	15 4 5	70 14 15.4	106 5 — 16.3	13 7 -	29 - 16.5	19 - -	33 - 11.8	74 ~ 14.1	30 - - 10.0-
\$15,000 or more	6 - - 	6 - - 	- - - -	6 - 6 -	5 - 5 -	-	72 - 12.5	9 - - 	12 - -	11 - - 	- - -	4	- - -

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		Kalamazoo	County			Kalamazoo	
400 or More Negro Population	Total	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Tract 0003
All occupied housing units	2 500	2 241	44	215	263	585	853
TENURE AND PLUMBING				ļ			
Owner occupied With all plumbing facilities Renter occupied With all plumbing facilities	1 253 1 229 1 247 1 197	1 054 1 033 1 187 1 139	36 36 8 8	163 160 52 50	163 158 100 95	268 257 317 296	427 424 426 417
ROOMS							
1 room	26 54 752 1 076 592 5.2	26 52 685 949 529 5.2	- 10 24 10 5.5	57 103 53 5.3	3 4 64 126 66 5.5	10 15 149 252 159 5.4	5 11 270 371 196 5.3
PERSONS							
1 person	379 1 032 622 467 3.1	354 924 536 427 3.1	7 14 16 7 3.6	18 94 70 33 3.4	33 114 64 52 3.2	101 228 131 125 3.1	116 342 210 185 3.3
Units with roomers, boarders, or lodgers	102	95	3	4	6	31	25
PERSONS PER ROOM 1.00 or less	2 181 241 78 313	1 944 223 74 291	40 4 - 4	197 14 4 18	233 23 7 29	497 64 24 83	726 98 29 127
VALUE							
Specified owner occupied units*	1 087 108 488 275 123 83 10 \$9 500	904 100 459 224 80 38 3 \$8 900	34 1 4 6 8 15 - \$18 800	149 7 225 45 35 30 7 \$14 600	114 12 51 39 7 5 \$9 500	234 43 146 37 6 1 1 \$7 300	383 40 197 93 43 10 \$9 000
CONTRACT RENT Specified renter occupied units2	1 206	3 151	A	47	94	311	410
Median	\$92	\$90	\$128	\$153	\$91	\$83	\$94

Limited to one-family homes on less than 10 acres and no business on property. 2Excludes 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		Kalamazoo Cou	nty		Ko	alamazoo	
Population Population	Total	Kalamazoo	Portage	Balance	Tract 0001	Tract 0002	Troct 0003
All accupied housing units	2 522	2 272	48	202	263	585	853
UNITS IN STRUCTURE 1 (includes mobile home or trailer) 2 to 4 5 or more	1 603 693 226	1 389 693 190	38 - 10	176 - 26	190 69 4	356 211 18	560 266 27
YEAR STRUCTURE BUILT 1960 to March 1970 1950 to 1959 1949 or earlier	277 224 2 021	194 169 1 909	20 10 18	63 45 94	38 20 205	5 19 561	53 83 717
SELECTED EQUIPMENT With air conditioning With more than 1 bathroom With central or built-in heating system With public water supply With public sewer With outomobile(s) available 1 2 or more	176 404 2 145 2 366 2 255 1 875 1 234 641	124 355 1 938 2 239 2 198 1 649 1 132 517	7 6 33 13 13 19	45 43 174 114 44 207 89 118	26 48 238 263 263 185 124 61	12 52 463 585 572 407 307 100	26 140 730 853 841 656 446 210
YEAR MOVED INTO UNIT 1968 to March 1970 1960 to 1967 1959 or earlier	1 163 841 467	1 110 738 391	7 6 6	46 97 70	124 75 64	215 198 172	453 290 110
GROSS RENT Specified renter occupied units¹ Less than \$40 \$40 to \$59 \$60 to \$79 \$80 to \$99 \$100 to \$149 \$150 to \$199 \$20 or more No cash rent Median	1 260 5 13 109 292 603 189 44 5 \$115	1 207 5 13 109 292 579 160 44 5 \$113		35 - - 11 24 - \$164	100 -4 16 13 55 5 7 -	317 -4 43 108 143 8 6 5 \$100	407 5 - 21 89 213 58 21 - \$119
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME Less than \$10,000 25 percent or more 35 percent or more Not computed Median	1 031 643 453 43 32.8	993 629 439 34 32.9	··· ··· ··· ···	20 9 9 -	66 44 30 - 32.9	273 141 92 9 26.8	337 245 162 10 34.8

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	based on sample, see text. For min	Kalamazgo County		
400 or More Persons of Spanish Language	Total	Kalamazoo	Portage	Balance
All occupied housing units	392	228	59	105
TENURE AND PLUMBING				
Owner occupied	218 202 174 168	102 86 126 120	35 35 24	81 1 81 24
ROOMS				
1 room	15 159 170 48	15 104 93 16	- 31 14 14	24 63 18
UNITS IN STRUCTURE			nr.	00
1 (includes mobile home or trailer) 2 to 4 5 or more	248 91 53	114 83 31	35 8 16	99 - 6
YEAR STRUCTURE BUILT				
1960 to March 1970 1950 to 1959 1949 or earlier	76 83 233	23 14 191	34 25	19 44 42
PERSONS				
l person	31 260 55 46 2.6	31 149 15 33 2.4	59 - - 2.5	52 40 13 3.5
PERSONS PER ROOM				
1.00 or less	342 34 16 50	191 28 9 37	59 - - -	92 6 7 13
YEAR MOVED INTO UNIT				
1968 to March 1970	232 66 94	132 44 52	37 15 7	63 7 35
SELECTED EQUIPMENT				
With air conditioning. With more than 1 bathroom With central or built-in heating system With public water supply With public sewer With automobile(s) available 1 2 or more	84 78 344 334 235 363 252 111	29 32 209 228 213 199 156 43	25 22 51 44 16 59 29 30	30 24 84 62 6 105 67 38
VALUE				ļ
Specified owner accupied units'	167 9 21 55 31 44 7 \$14 800	65 9 14 42 - - - \$10 700	35 - 6 10 19 - \$21 500	67 - 7 7 21 25 7 \$19 500
GROSS RENT				
\$pecified renter occupied units? Less than \$40	167 - 19 52 84 6 - 6	126 - 19 52 55 - - - 598		
CONTRACT RENT	5.4	126		
Specified renter occupied units 3	1 67 \$96	126 \$93	•••	•••
GROSS RENT AS PERCENTAGE OF INCOME BY INCOME				
Less than \$10,000	141 67 45 21 28.2	106 59 45 15 34.6	 	

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

CENSUS TRACTS	.pp-1
Definition of census tract A	ւրը-1
Historical background A	ърр-1
Description of tracted area A	kpp-1
Comparability from census to census	\pp-1
STANDARD METROPOLITAN	•
STATISTICAL AREAS	\nn-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. 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 sociological, 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. 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

GENERAL	App-3
POPULATION CHARACTERISTIC	cs
Age	App-3
Race	Арр-3
Nativity, parentage, and country of origin	Арр-3
Spanish heritage	App-4
Spanish language	App-4
Spanish surname	App-4
Puerto Rican birth or	, dele .
parentage	App-4
Spanish mother tongue	App-4
Household	App-4
Relationship to head of	
household	App-4
Group quarters	App-5
Inmate of institution	App-5
Family	App-5
Own children and related	
children	App-5
Unrelated individuals	App-5
Marital status	App-5
Children ever born	App-6
School enrollment	App-6
Years of school completed	App-6
Residence in 1965	App-6
Reference week	App-6
Employment status	App-6
Place of work	App-7
Means of transportation to	
work	App-7
Occupation, industry, and class	
of worker	App-7
Income in 1969	App-7
Poverty status in 1969	Арр-8
HOUSING CHARACTERISTICS	
Housing units and group	
quarters	App-9
Year-round housing units	App-9
Occupied housing units	App-9
Vacant housing units	App-9
Tenure	App-10
Persons	App-10
Year moved into unit	App-10
Complete kitchen facilities	App-10
Access	App-10
Rooms	App-10
Persons per room	App-10
Vear structure built	App.10

Units in structure	App-10
Basement	App-11
Plumbing facilities	App-11
Selected equipment	App-11
Heating equipment	App-11
Automobiles available	App-11
Value	App-11
Mean value	App-11
Contract rent	App-12
Gross rent	App-12
Mean gross rent	App-12
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: 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:

 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 considered 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 "husbandwife 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.
- 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 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 anv 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 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 subiects 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 share-cropper.

"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 nonrelated 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 Group quarters are loin charge. cated 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. unit used only occasionally throughout the year is also considered yearround.

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 coowner 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, halfrooms, 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."

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	20 30	1,000	85

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				

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

This 20-percent sample was subdivided into a 15-percent and a 5percent 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 5percent 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 resampling. 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 20percent 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.

Group	STAGE I
	Male Head With Own Children
1	Under 18
1 2	1-person household 2-person household
3	3-person household
•	•
6	6-or-more-person house- hold
7-12	Male Head Without Own Children Under 18 1-person to 6-or-more- person households
13-18	Female Head 1-person to 6-or-more- person households
19	Group Quarters Persons
	STAGE II
20	Head of Household
21	Not Head of Household (in- cluding persons in group quarters)
	STAGE III
	Male Negro
22 23	Age under 5 years 5-13
24	14-24
25	25-44
26 27	45-64 65 and older
	Male, Not Negro
28-33	Same age groups as for Male Negro
34-39	Female Negro Same age groups as for Male Negro
40-45	Female, Not Negro 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
u. 0 a.p	
	Male Head With Own Children
4	Under 18
1	1-person household
2 3	2-person household
3	3-person household
•	•
	•
6	6-or-more-person house-
	hold
	Male Head Without Own
	Children Under 18
7-12	1-person to 6-or-more
	person households
	Parada tha I
12.10	Female Head
13-18	1-person to 6-or-more-
	person households
	STAGE II
	Owner Occupied
19	Negro
20	Not Negro
	Renter Occupied
21	Negro

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 15and 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 15and 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 sta-The sampling tistical textbooks, 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:

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.
- 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

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		1,000	85	

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 hous	ing 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

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	Sample rate		Housing	Sample rate	
subjects ¹	(percent)	Factor	subjects ¹	(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			Units in structure	20	0.8
Spanish heritage subjects)	15	1.6	Year structure built	20	0.9
Nativity and parentage	15	1.7	Heating equipment	20	0.8
School enrollment	15	1.0	Basement	20	0.9
Years of school completed	20	1.0	Source of water	15	1.0
Residence in 1965	15	2.0	Sewage disposal	15	1.0
Employment status	20	0.8	Air conditioning	15	1.1
Place of work	15	1.3	Year moved into unit	15	1.1
Means of transportation			Gross rent	20	0.9
to work	15	1.3	All other -20 percent	20	1,0
Occupation	20	1.1	-15 percent	15	1.2
Industry	20	1,1			
Class of worker	20	1.1			
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	[

¹Tabulations 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 clothbound book, will contain four chapters designated as A, B, C, and D. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in four series designated as PC(1)-A, B, C, and D, respectively. The 58 PC(1)-A reports will be specially assembled and issued in a clothbound book, designated as Part A.

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

Final official population counts are presented for States, counties by urban and rural residence, 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 clothbound book, will contain two chapters designated as A and B. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in two series designated as HC(1)-A and B, respectively.

Series HC(1)-A. GENERAL HOUSING CHARACTERISTICS

Statistics on tenure, kitchen facilities, plumbing facilities, number of rooms, persons per room, units in structure, mobile home, telephone, value, contract rent, and vacancy status are presented for some or all of the following areas: States (by urban and rural residence), 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

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

Volume V. RESIDENTIAL FINANCE

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

Volume VI. ESTIMATES OF "SUBSTANDARD" HOUSING

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

Volume VII. SUBJECT REPORTS

Each report in this volume will concentrate on a particular subject. Detailed information and cross-classifications will generally be provided on a national and regional level; in some reports, data for States or SMSA's may also be shown. Among the subjects to be covered are housing charactristics 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 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 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.

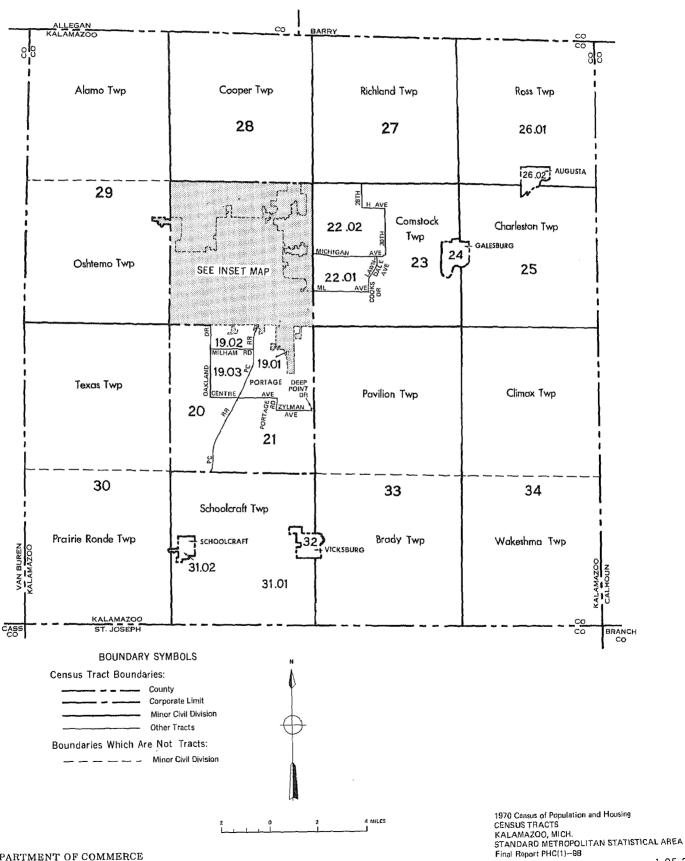
Fifth Count—will contain approximately 800 cells of population and housing data for 5-digit ZIP code areas in SMSA's and 3-digit ZIP code areas outside SMSA's; the ZIP code data will be available only on tape.

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 census records. These files will contain no names or addresses, and the geograhic 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-nonmetro-politan 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 KALAMAZOO, MICH. SMSA



1 OF 2

CENSUS TRACTS IN THE KALAMAZOO, MICH. SMSA INSET MAP - KALAMAZOO AND VICINITY

