

VELMA PLOCH

Michigan

HEALTH STATISTICS

1957

MICHIGAN DEPARTMENT OF HEALTH

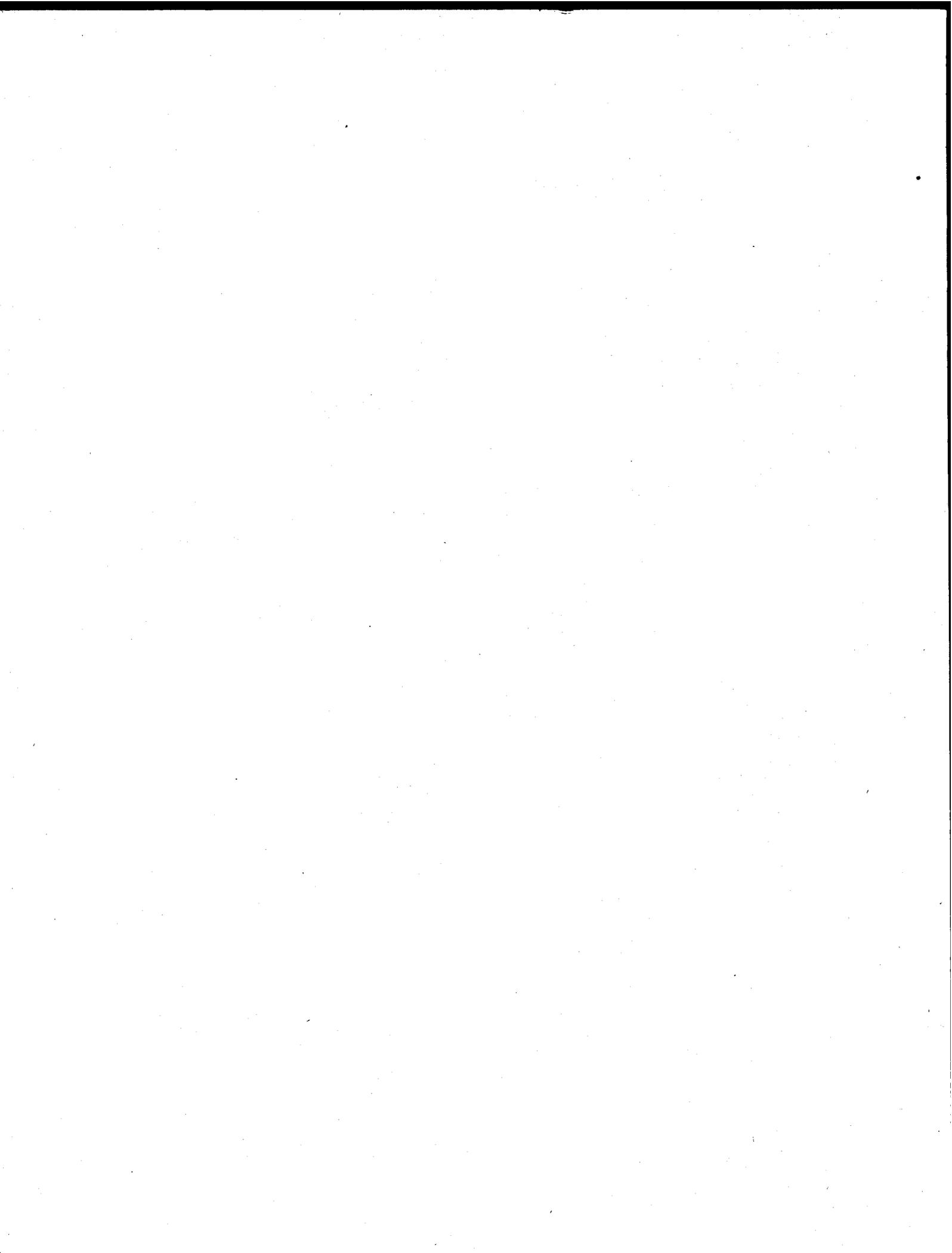
MICHIGAN
HEALTH STATISTICS

ANNUAL STATISTICAL REPORT

1957



Division of Disease Control, Records and Statistics
Michigan Department of Health
Lansing 4, Michigan



CHARTS - TABLES

CHARTS

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SYMBOLS USED IN THIS REPORT

Quantity is zero, in frequency tables (one dash)	-
Quantity is zero, in rate or percent tables (one cipher)	0
If rate or percent is more than 0 but less than or equal to 0.05	0.0
Data not available or not applicable (blank space)	

INTRODUCTION

This report contains health statistics concerning communicable diseases, births, deaths, fetal deaths, marriages, and divorces in Michigan during 1957 and previous years. The first four tables in this report include information pertaining to the years 1900-1957; the remaining tables contain only 1957 statistics.

Following is a discussion of items concerned with the interpretation of data in this report:

1) Incomplete Registration and Delay in Filing:

Birth and death registration has been steadily improving since 1900. Registration of births in Michigan was 98.7 percent complete according to a test done in connection with the 1950 census. Registration of deaths is considered to be even more complete than birth registrations because death certificates are necessary for issuing burial permits. Delayed registrations not included in annual statistics are also of minor concern. All reports for the current year which are received during the same year or during the first two months of the following year are included in the annual statistics. Those received after the first two months of the following year are considered negligible for statistical purposes.

2) Population Trend:

Population figures as issued by the Census Bureau have been used for the census years, whereas for the intervening years it has been necessary to establish estimates of population. Estimating procedures do not always adequately measure the full extent of extreme population changes and therefore population estimates may either be over or under the true situation. In addition to this limitation it is to be remembered that estimating procedures have varied considerably over the past years. Hence, in all instances where rates are based on estimated populations these two factors should be recognized.

3) Residence Allocation:

Residence data are obtained by allocating certificates, regardless of the place of occurrence, to the residence of the deceased in the case of a death, or the residence of the mother in the case of a birth or fetal death. Beginning with 1935 certificates, intra-state allocation according to this procedure has been followed for all births and deaths occurring in Michigan. Beginning with 1950 certificates, inter-state allocation of births and deaths was started. Thus, for 1950 and successive years births and deaths of Michigan residents occurring in other states have also been included and births and deaths occurring in Michigan to non-residents of Michigan have been excluded.

A minor change in definition of residence as applied to institutional deaths was effective beginning with 1949 certificates. Deaths in hospitals, sanatoria, and all other institutions, including mental, penal, old age, orphan, etc., are allocated in all instances to the place of previous residence, regardless of length of stay in institutions. If previous residence is unknown, allocation is to the place from which commitment was made. Prior to 1949, deaths in institutions were allocated to the area in which the institution was located unless the usual residence was recorded on the certificates.

4) Changes in Classification of Causes of Death:

During the past decades there have been several revisions of the International List of Causes of Death. The Sixth Revision was adopted in 1948 by the World Health Organization. Prior to the introduction of the Sixth Revision the principle cause of death was selected by means of an arbitrary set of rules. The Sixth Revision instituted a rather sweeping change in that the classification is based on the underlying cause of death as indicated by the physician. To enable the physician to indicate the underlying cause of death it was necessary to change the form of the death certificate to permit the recording of the proper sequence of morbid events which led to death. The revised form was initiated in Michigan beginning with the 1950 certificates. The policy of the physician specifying the underlying cause of death is a most desirable one since it provides statistics which more accurately reflect medical opinion. However, the comparability of cause of death statistics over a period of years is affected by such a change in policy. This should be kept in mind when comparing statistics from 1950 and successive years with those of earlier years.

5) Perinatal Mortality Rates:

Perinatal mortality rates are included in this report to facilitate the study of deaths during the late fetal and early neonatal period. These rates are based on the registered fetal deaths of 20 weeks gestation or more and the infant deaths of under 1 week of age.

These rates were computed according to the following formula recommended by the Public Health Conference on Records and Statistics:

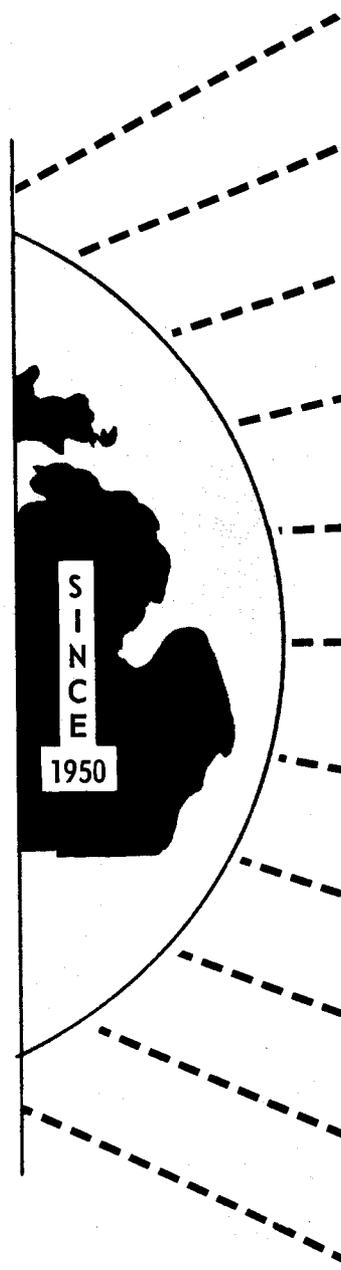
$$\frac{\text{Fetal deaths of 20 weeks gestation or more} + \text{infant deaths under 1 week} \times 1000}{\text{Fetal deaths of 20 weeks gestation or more} + \text{live births}}$$

Health Department reports containing annual vital statistics have been published since 1900 with the exception of reports for the calendar years 1946, 1947, and 1949. For these three years brief statistical summaries have been distributed in lieu of the detailed departmental reports. The 1950 annual statistical report was revised both in content and format. All successive reports have conformed with these revisions.

CHARTS

MICHIGAN'S HEALTH PICTURE

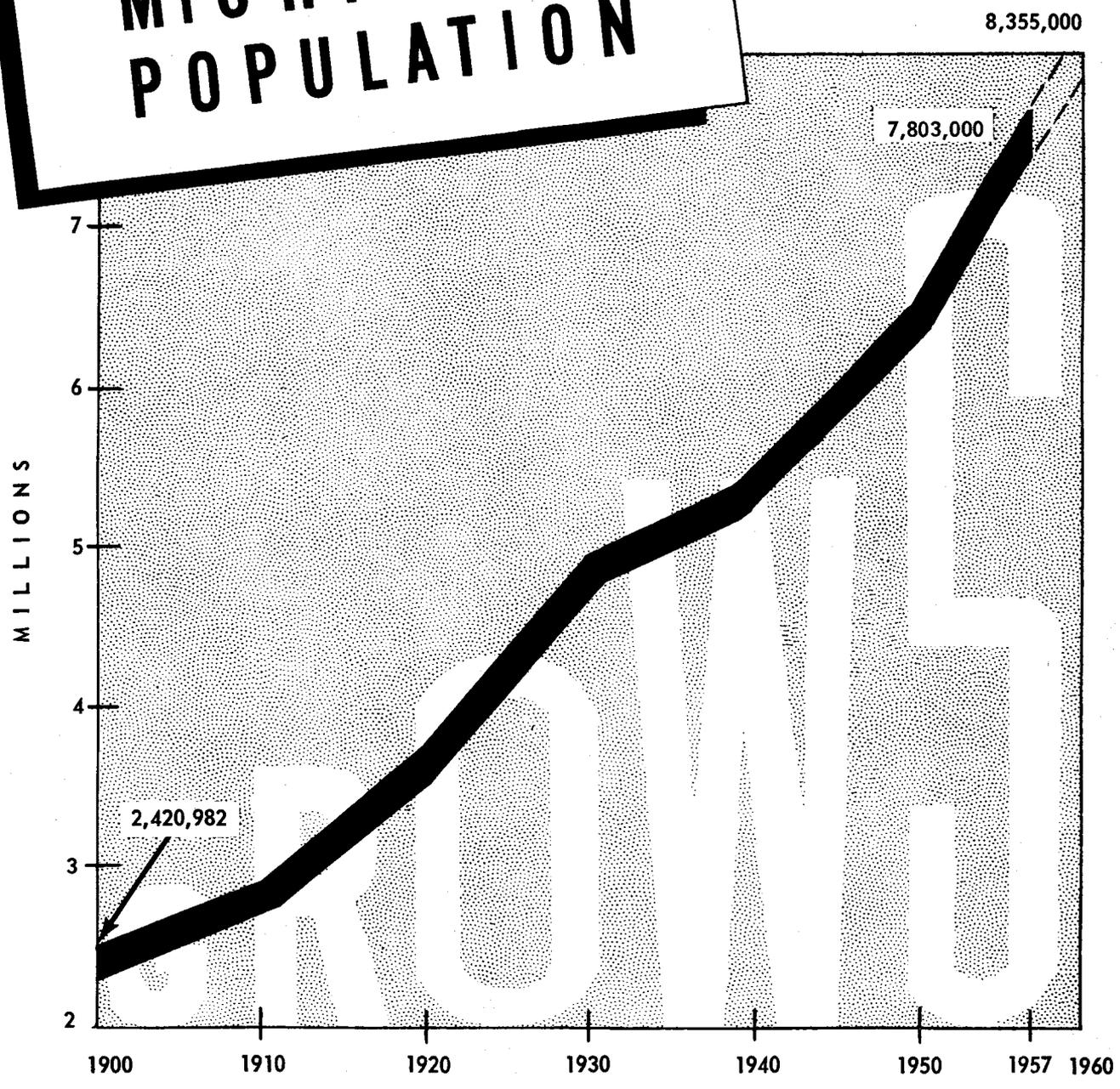
1950-1957



POPULATION	increased from 6,371,766 to 7,803,000 22% increase
LIVE BIRTHS	160,055 - '50 208,488 - '57 30% increase 2nd year to exceed 200,000 mark
BIRTHS IN HOSPITALS	97% in 1950; now 99%
DEATH RATE	continuing gradual decline now 8.5, lowest in history of state
VITAL INDEX	increased from 278 to 314
INFANT DEATH RATE	declined from 26.3 to 24.4 an all time low
MATERNAL DEATH RATE	substantial decrease of 33% from 5.7 to 3.8
PERINATAL DEATH RATE	declined from 35.4 to 31.5
TUBERCULOSIS DEATH RATE	remarkable decrease of 71% from 19.9 to 5.7
MARRIAGE RATE	downward trend now 14.1, lowest since 1938
DIVORCE RATE	downward trend now 4.0, lowest since 1934

(Death rate per 1,000 estimated population, vital index - number of live births per 100 deaths, infant death rate per 1,000 live births, maternal death rate per 10,000 live births, perinatal death rate - number of deaths under 1 week and fetal deaths per 1,000 live births and fetal deaths.)

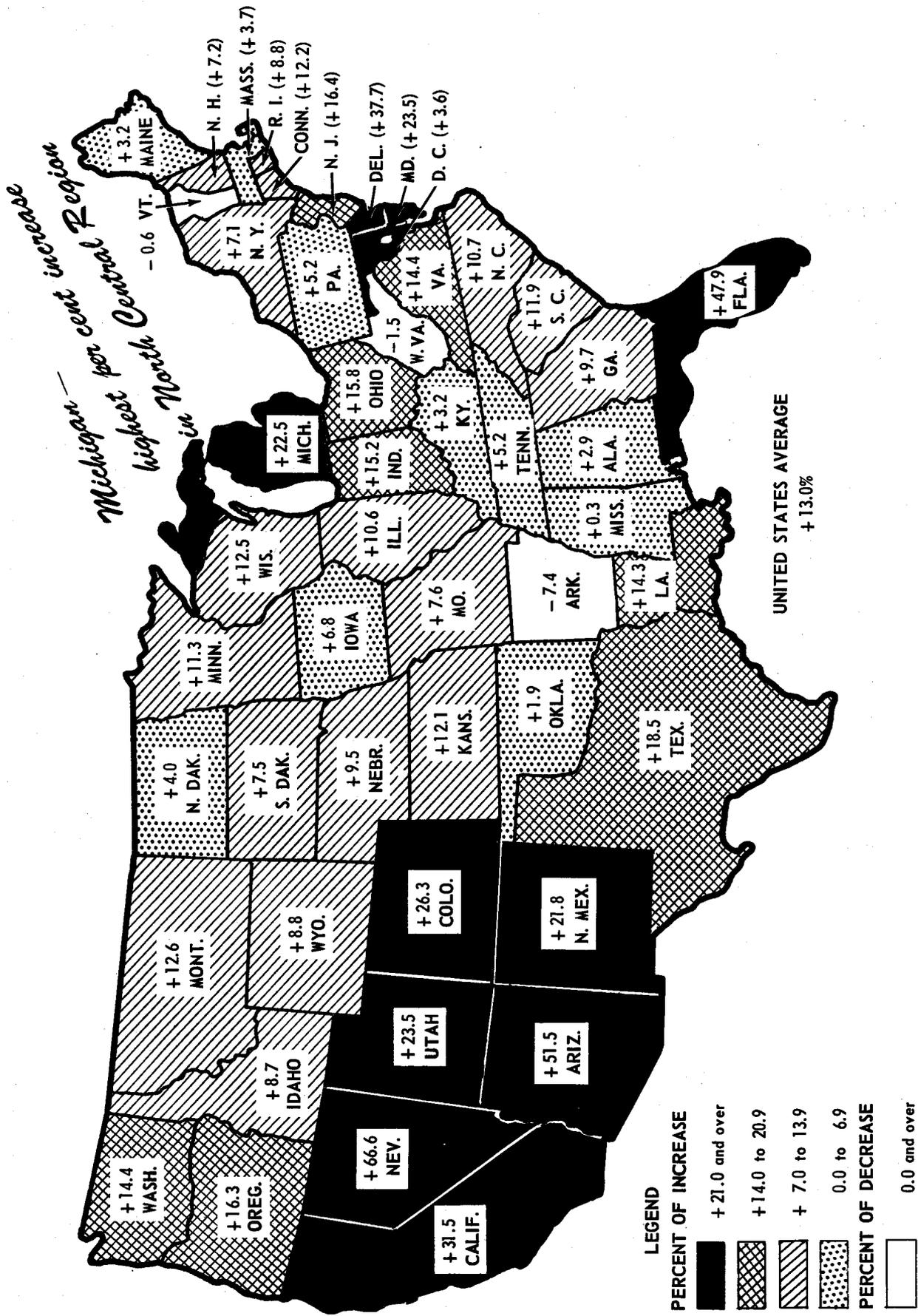
MICHIGAN'S POPULATION



1957 POPULATION TRIPLES THAT OF 1900

Source: Bureau of Census. Data for 1900-1950 are federal census counts. Estimate for 1957 was released December 9, 1957. Projected figure for 1960 was released August 9, 1957, in Population Reports, Series P25, No. 160. This projected figure (Series 1) was based on a combination of assumptions regarding future fertility, migration and mortality.

PERCENT OF CHANGE IN TOTAL POPULATION OF STATES: 1950 TO 1957



SOURCE OF DATA: CURRENT POPULATION REPORT SERIES P-25, NO. 168 RELEASED BY BUREAU OF CENSUS AS OF DECEMBER 9, 1957.

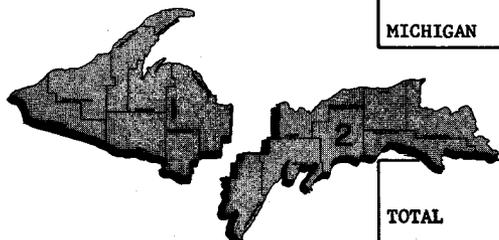
Statistical Methods Section
Michigan Department of Health

POPULATION TRENDS BY ECONOMIC AREAS

NUMERICAL DISTRIBUTION

MICHIGAN 1900 — 1957

	1900	1910	1920	1930	1940	1950	1957
MICHIGAN	2,420,982	2,810,173	3,668,412	4,842,325	5,256,106	6,371,766	7,803,000



UPPER PENINSULA

	1900	1910	1920	1930	1940	1950	1957
TOTAL	261,362	325,628	332,556	318,676	323,544	302,258	297,420
Area 1	164,654	215,791	218,916	204,608	200,265	178,251	171,700
Area 2	96,708	109,837	113,640	114,068	123,279	124,007	125,720

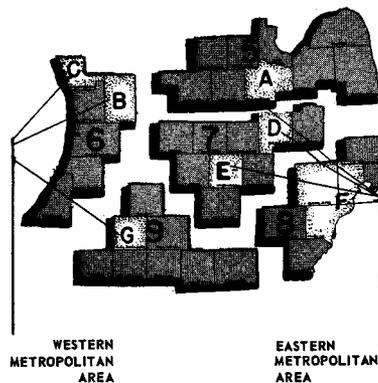
LOWER PENINSULA

UPPER PART

	1900	1910	1920	1930	1940	1950	1957
TOTAL	351,673	385,609	332,837	297,318	334,343	358,788	380,960
Area 3	104,105	111,929	91,857	84,774	92,266	100,654	108,570
Area 4	247,568	273,680	240,980	212,544	242,077	258,134	272,390

LOWER PART

	1900	1910	1920	1930	1940	1950	1957
TOTAL	1,807,947	2,098,936	3,003,019	4,226,331	4,598,219	5,710,720	7,124,620
Area 5,A	348,573	359,052	371,379	380,007	417,703	473,288	551,030
Area 6,B,C	327,668	371,649	423,971	532,676	566,566	685,967	854,470
Area 7,D,E	302,148	335,484	444,563	598,666	642,359	769,691	973,080
Area 8,F	562,572	743,745	1,450,442	2,362,921	2,592,981	3,318,068	4,187,190
Area 9,G	266,986	289,006	312,664	352,061	378,610	463,706	558,850
* * * * *							
Metropolitan Areas	800,733	1,081,077	1,929,934	3,042,797	3,307,281	4,150,160	5,241,740
A	81,222	89,290	100,286	120,717	130,468	153,515	183,370
B	129,714	159,145	183,041	240,511	246,338	288,292	346,510
C	37,036	40,577	62,362	84,630	94,501	121,545	147,590
D	41,804	64,555	125,668	211,641	227,944	270,963	362,810
E	39,818	53,310	81,554	116,587	130,616	172,941	214,560
F	426,829	613,773	1,305,798	2,177,343	2,377,329	3,016,197	3,833,490
G	44,310	60,427	71,225	91,368	100,085	126,707	153,410
Western (B,C,G)	211,060	260,149	316,628	416,509	440,924	536,544	647,510
Eastern (A,D,E,F)	589,673	820,928	1,613,306	2,626,288	2,866,357	3,613,616	4,594,230
Non-Metropolitan Areas	1,007,214	1,017,859	1,073,085	1,183,534	1,290,938	1,560,560	1,882,880



Michigan's population has more than tripled since 1900. This is largely due to the increase in population in the lower part of the Lower Peninsula which in 1957 was nearly 4 times as large as in 1900. The metropolitan areas have been responsible for a considerable portion of this gain, increasing sixfold from 800,733 in 1900 to 5,241,740 in 1957. Area F (Wayne, Oakland, and Macomb Counties) contributed most of the metropolitan area gain.

The population in the Upper Peninsula fluctuated between 1900 and 1940, but has been decreasing since that time. Area 1 is responsible for this decrease, since Area 2 has consistently gained in population since 1900.

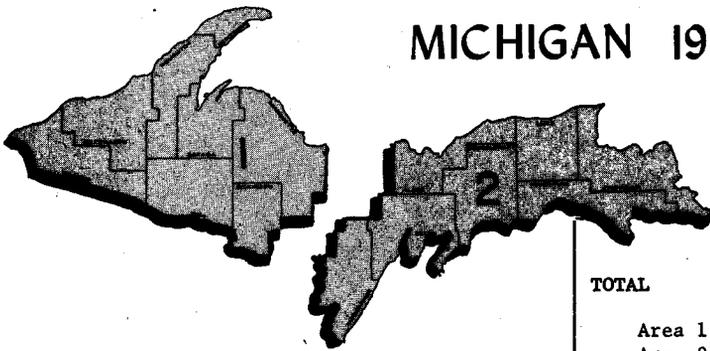
The population in the upper part of the Lower Peninsula fluctuated between 1900 and 1930, but has been increasing since that time. Both Areas 3 and 4 have contributed to this increase.

Note: Letters and numbers on map indicate economic areas, metropolitan and non-metropolitan, respectively, as used by the U. S. Bureau of Census. The numbered areas (non-metropolitan) and lettered areas (metropolitan) are mutually exclusive.

POPULATION TRENDS BY ECONOMIC AREAS

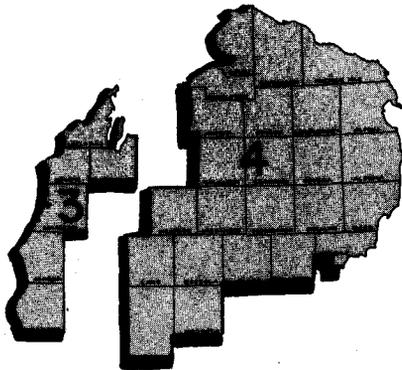
PERCENTAGE DISTRIBUTION

MICHIGAN 1900 - 1957



UPPER PENINSULA

	1900	1910	1920	1930	1940	1950	1957
TOTAL	10.8	11.6	9.1	6.6	6.1	4.7	3.8
Area 1	6.8	7.7	6.0	4.2	3.8	2.8	2.2
Area 2	4.0	3.9	3.1	2.4	2.3	1.9	1.6



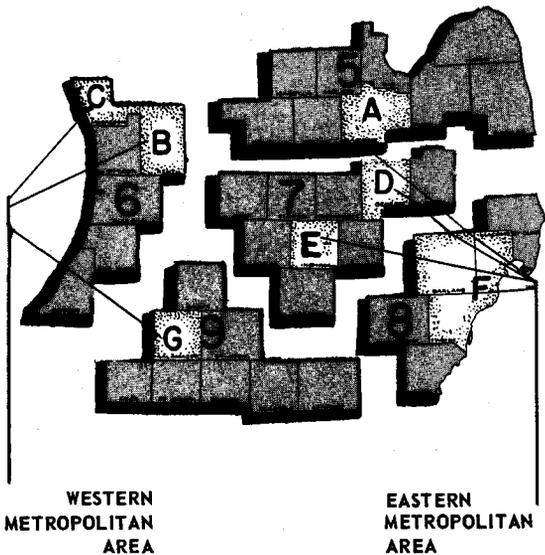
LOWER PENINSULA

UPPER PART

	1900	1910	1920	1930	1940	1950	1957
TOTAL	14.5	13.7	9.1	6.2	6.4	5.7	4.9
Area 3	4.3	4.0	2.5	1.8	1.8	1.6	1.4
Area 4	10.2	9.7	6.6	4.4	4.6	4.1	3.5

LOWER PART

	1900	1910	1920	1930	1940	1950	1957
TOTAL	74.7	74.7	81.8	87.2	87.5	89.6	91.3
Area 5,A	14.4	12.8	10.1	7.8	7.9	7.4	7.1
Area 6,B,C	13.5	13.2	11.6	11.0	10.8	10.8	11.0
Area 7,D,E	12.5	11.9	12.1	12.4	12.2	12.1	12.5
Area 8,F	23.2	26.5	39.5	48.7	49.4	52.0	53.6
Area 9,G	11.1	10.3	8.5	7.3	7.2	7.3	7.1
* * * * *							
Metropolitan Areas	33.0	38.5	52.5	62.9	62.9	65.1	67.2
A	3.4	3.2	2.7	2.5	2.5	2.4	2.4
B	5.4	5.7	5.0	5.0	4.7	4.5	4.4
C	1.5	1.4	1.7	1.7	1.8	1.9	1.9
D	1.7	2.3	3.4	4.4	4.3	4.3	4.6
E	1.6	1.9	2.2	2.4	2.5	2.7	2.8
F	17.6	21.8	35.6	45.0	45.2	47.3	49.1
G	1.8	2.2	1.9	1.9	1.9	2.0	2.0
Western (B,C,G)	8.7	9.3	8.6	8.6	8.4	8.4	8.3
Eastern (A,D,E,F)	24.3	29.2	43.9	54.3	54.5	56.7	58.9
Non-Metropolitan Areas	41.7	36.2	29.3	24.3	24.6	24.5	24.1



WESTERN METROPOLITAN AREA

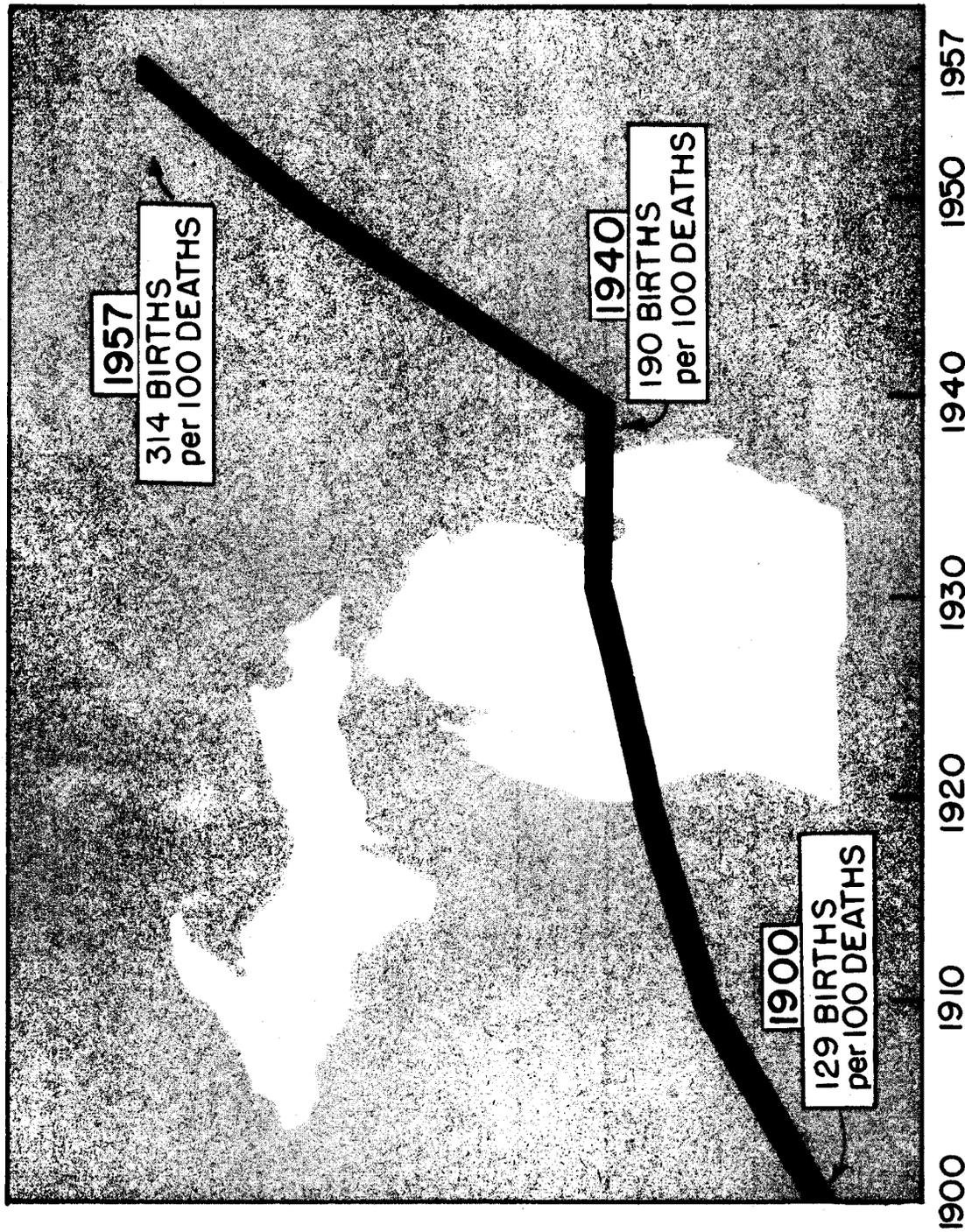
EASTERN METROPOLITAN AREA

The distribution of Michigan's population is very uneven, with 91% residing in the lower part of the Lower Peninsula. This large portion of the population is concentrated in thirty-eight of the eighty-three counties of the State. The remaining 9% are almost equally divided between the Upper Peninsula and the upper part of the Lower Peninsula. Since 1900 the trend in each of these sections has been a proportionately decreasing one, while the lower part of the Lower Peninsula has gradually increased proportionately. The increase since 1930 in the lower part of the Lower Peninsula was almost entirely due to the increase in the metropolitan areas, since the non-metropolitan areas have remained approximately the same.

It is to be remembered that the trend of an area may be decreasing percentage wise yet increasing number wise. This relationship is illustrated in a comparison of Charts IV and V.

Note: Letters and numbers on map indicate economic areas, metropolitan and non-metropolitan, respectively, as used by the U. S. Bureau of Census. The numbered areas (non-metropolitan) and lettered areas (metropolitan) are mutually exclusive.

MICHIGAN'S VITAL INDEX A GROWING LIFELINE

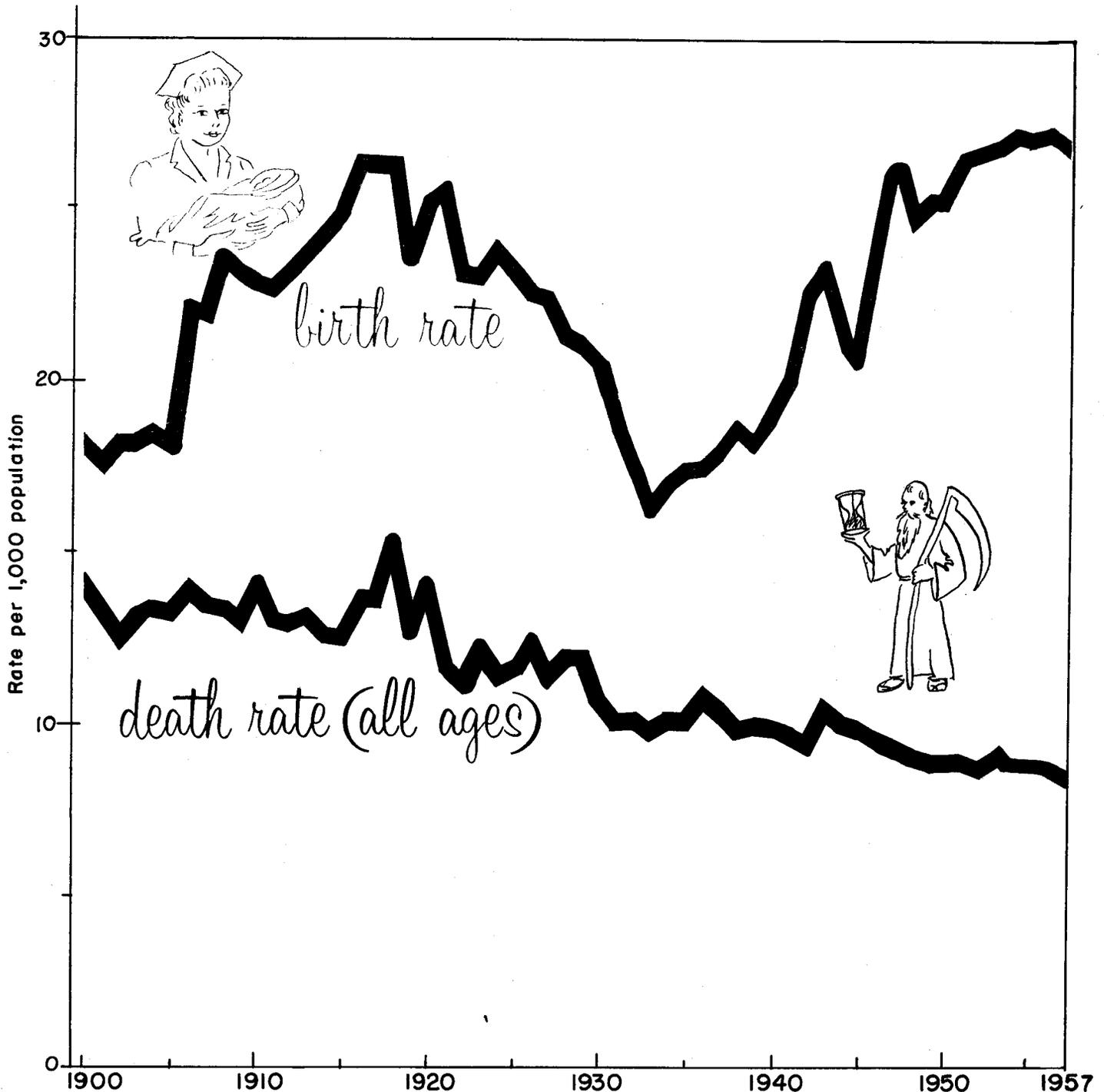


*65% increase
in 17 years
(1940 - 1957)*

*47% increase
in 40 years
(1900 - 1940)*

BIRTH AND DEATH RATES

MICHIGAN 1900 to date

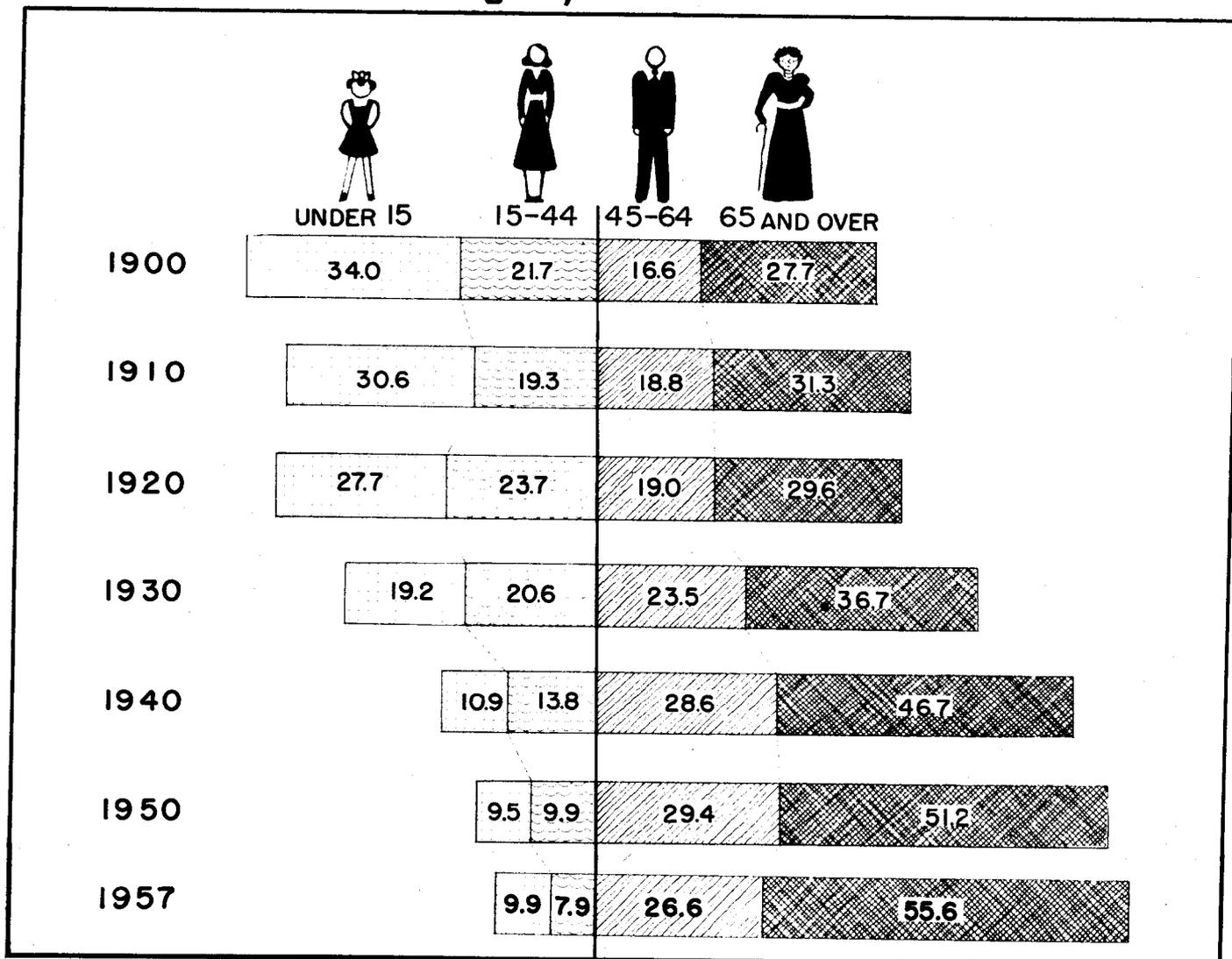


From the beginning of the century the birth rate trend was upward, reaching a high of 26.2 in 1916 and 1917. The rate then declined to an all time low of 16.2 during the depression year of 1933. With the exception of the 2 years at the close of the war 1944 and 1945, the trend has continued upward again reaching an all time high of 27.4 in 1956. The 1957 Michigan rate of 26.7 was slightly lower than that for 1956 but is above the estimated 1957 rate of 25.0 for the United States.

In 1900 the death rate was 13.4 per 1,000 population. Since that time, the death rate trend has been downward with one high point of 15.6 during 1918 as a result of the influenza epidemic following the first world war. In 1957 the death rate reached an all time low of 8.5 per 1,000 population - a drop of 37% since 1900.

AGE AT DEATH—*a changing pattern*

Percentage Distribution Michigan, since 1900



Since the beginning of the century an amazing and progressive change in the age at death pattern has occurred between the younger (under 45 years) and older (45 years and older) age groups.

	UNDER 45 YEARS	45 YEARS & OLDER
1900	56%	44%
1957	18%	82%

The trend has been a gradual decrease in each of the age groups under 45 years and a gradual increase in each of the age groups 45 years and older.

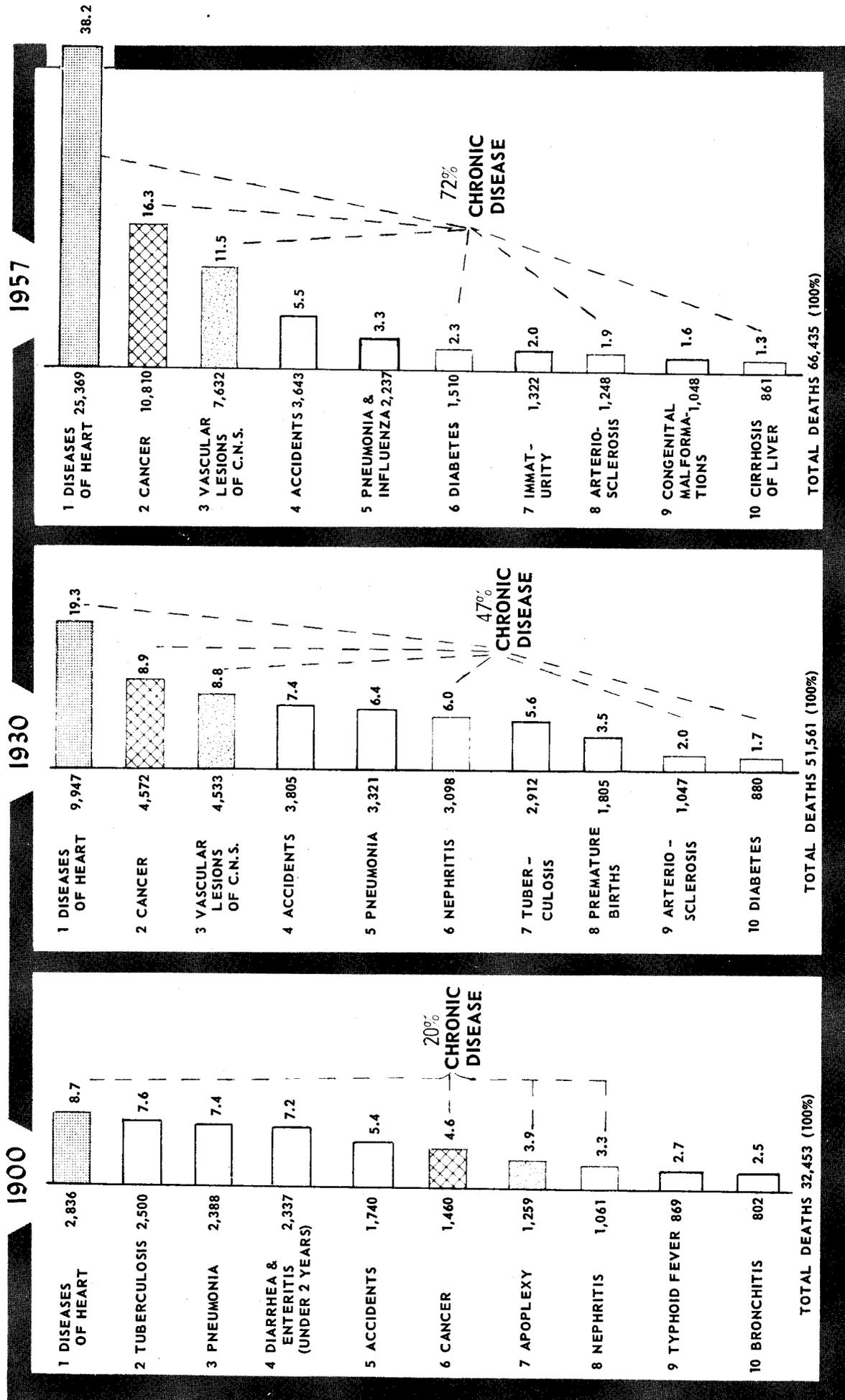
In 1900 approximately 1/3 of all deaths occurred under 15 years of age; the proportion has decreased to only 1/10 at the present time.

In contrast only slightly over 1/4 of all deaths occurred in the 65 and over age group in 1900; the proportion has increased now to more than 1/2.

These changes reflect 1) the decrease in deaths due to communicable diseases and other diseases of childhood, 2) an increase in those due to chronic diseases in the older age groups.

LEADING CAUSES OF DEATH

MICHIGAN

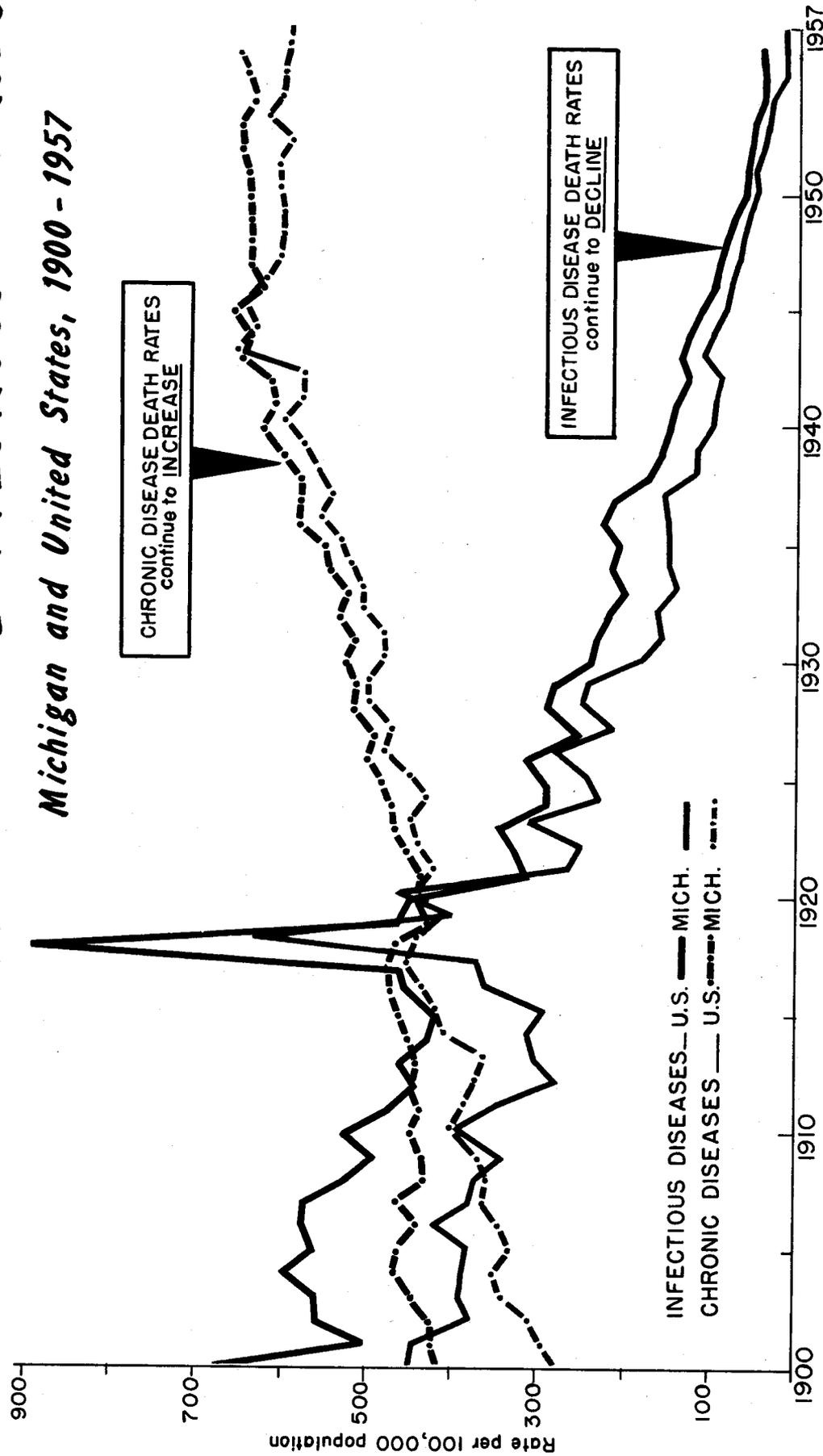


☐ Indicates a chronic disease appearing in only one or two of the years 1900, 1930, 1957.

Statistical Methods Section
Michigan Department of Health

DEATH RATES DUE TO CERTAIN CHRONIC & INFECTIOUS DISEASES*

Michigan and United States, 1900 - 1957



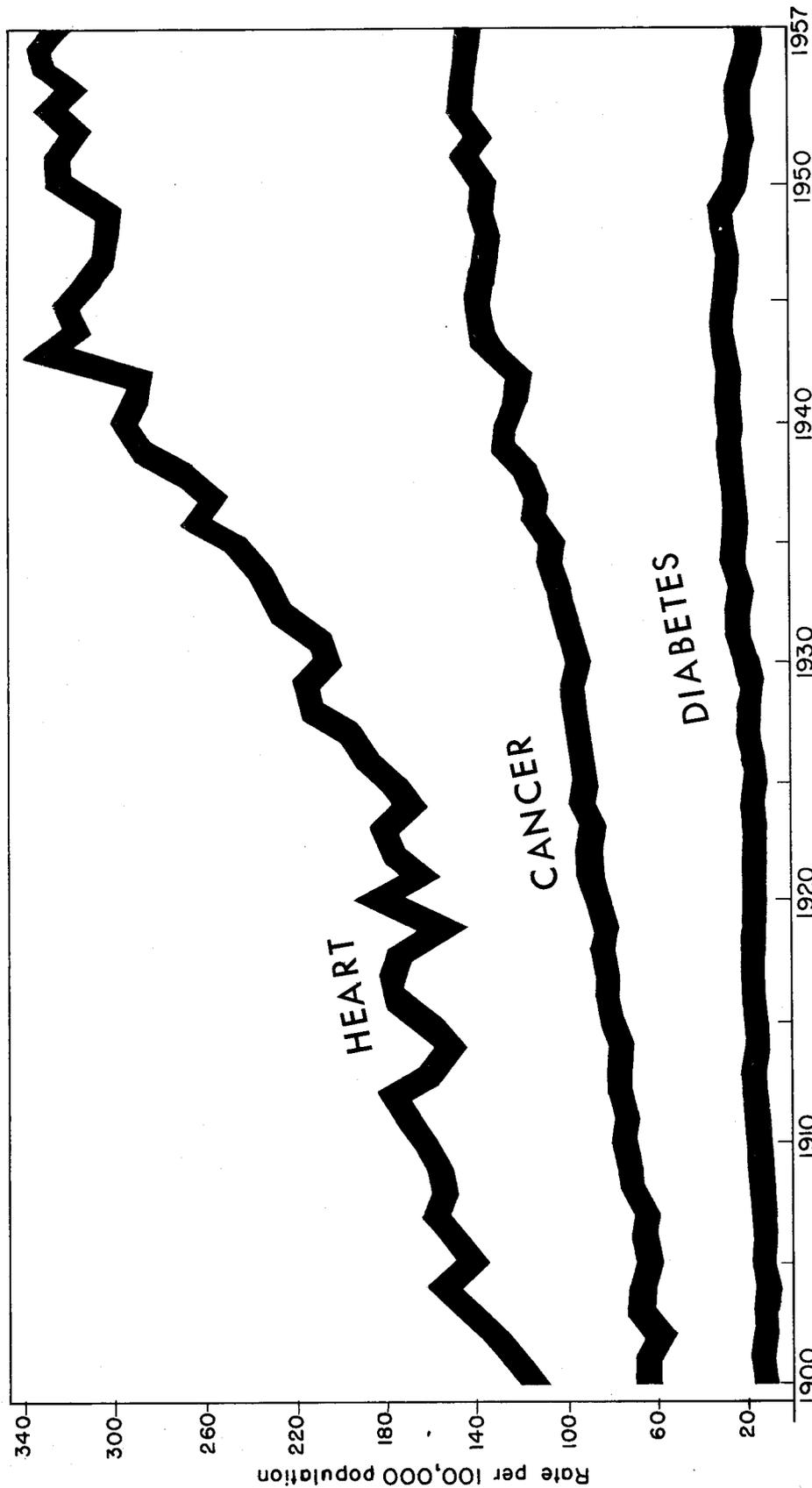
*Includes diseases with corresponding Sixth Revision Detailed List Numbers as follows:

Chronic Diseases - Cancer (140-205), Diabetes (260), Vascular lesions affecting central nervous system (330-334), Diseases of heart (410-443), Chronic and unspecified nephritis (592-594), Ulcer of stomach or duodenum (540-541), and Cirrhosis of liver (581). Infectious Diseases - Typhoid fever (40), Scarlet fever (40), Whooping cough (56), Diphtheria (55), Tuberculosis (1-19), Dysentery (45-48), Malaria (110-117), Syphilis (20-29), Measles (85), Pneumonia & influenza (480-493), Diarrhea, enteritis, and ulceration of intestines (543,571,572).

Source of United States data: Building America's Health, Vol. III, Table 36, and Vital Statistics of United States, Vol. II, III. (U. S. data for 1957 not available.)

Mortality Trends, HEART - CANCER - DIABETES

MICHIGAN 1900 - 1957



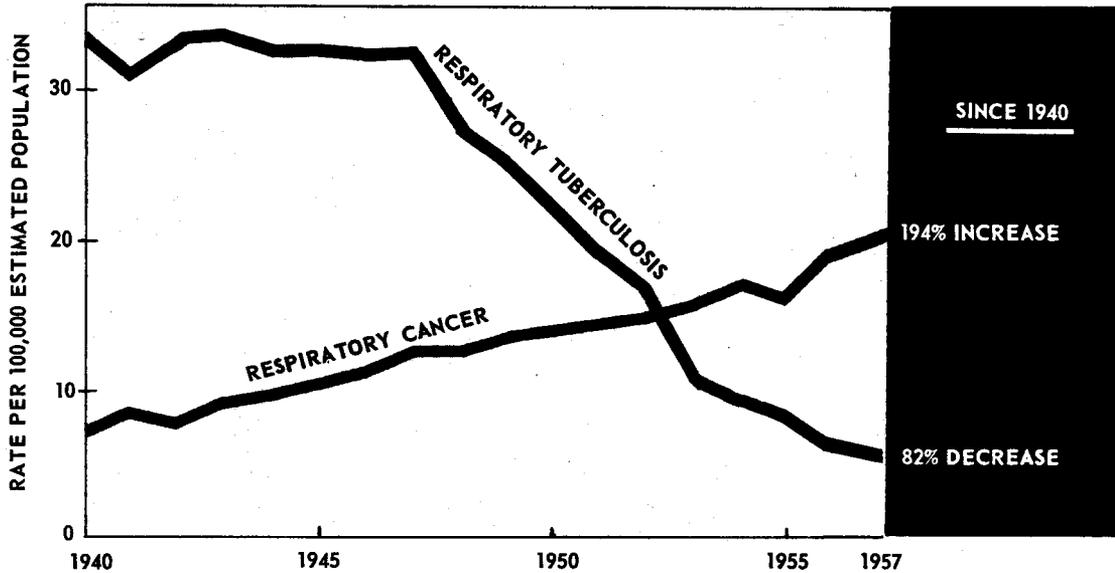
Heart. The leading cause of death throughout the past half century has been diseases of the heart; the highest death rate of 331.3 was reached during the war year of 1943, and was followed by a downward trend until 1950. The sudden-increase in 1950 reflects the change in classification* of causes of death. The 1957 rate of 325.1 is approximately 58% higher than that of 205.4 for 1930.

Cancer. The cancer death rates of the past twenty-seven years, with minor fluctuations, have continued the upward trend of the previous thirty years. The 1957 rate of 138.5 is 47% higher than that of 94.4 for 1930.

Diabetes. In 1900 the death rate due to diabetes was 9.3. By 1930 it had nearly doubled with a rate of 18.2 and was ranked as the tenth leading cause of death. Since that time the trend continued upward until 1950. The lower rates since that date are largely due to the change in classification* of causes of death. However, even with these slightly lower rates (19.4 in 1957) diabetes is now the sixth leading cause of death.

*The Sixth Revision Classification of Causes of Death was used beginning in 1950. This classification increased the recorded number of deaths due to heart diseases (approximately 6%) and decreased those due to cancer (approximately 3%) and diabetes (approximately 28%).

CANCER MORTALITY TRENDS MICHIGAN SINCE 1940



CANCER MORTALITY BY SITE

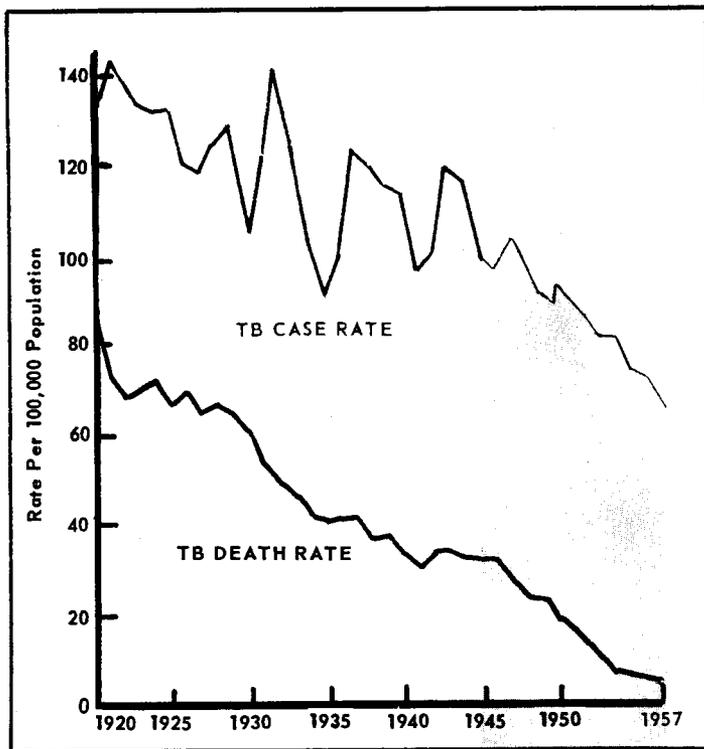
CAUSE	NUMBER					RATE PER 100,000 POPULATION				
	1940	1945	1950	1955	1957	1940	1945	1950	1955	1957
TOTAL	6,513	7,486	8,685	10,297	10,810	123.9	137.7	136.3	142.3	138.5
Buccal cavity & pharynx	191	206	219	222	231	3.6	3.8	3.4	3.1	3.0
Digestive organs & peritoneum	2,884	3,227	3,464	3,880	3,994	54.9	59.4	54.4	53.6	51.2
Esophagus	123	125	134	216	183	2.3	2.3	2.1	3.0	2.3
Stomach	1,133	1,119	1,076	1,030	999	21.6	20.6	16.9	14.2	12.8
Intestines (including duodenum & rectum)	980	1,204	1,394	1,701	1,731	18.6	22.2	21.9	23.5	22.2
Liver & biliary passages	384	453	468	411	512	7.3	8.3	7.3	5.7	6.6
Pancreas	202	244	329	463	491	3.8	4.5	5.2	6.4	6.3
Other	62	82	63	59	78	1.2	1.5	1.0	0.8	1.0
Respiratory system	347	549	923	1,318	1,515	6.6	10.1	14.5	18.2	19.4
Breast & genito-urinary organs	2,195	2,396	2,520	2,975	3,115	41.8	44.1	39.5	41.1	39.9
Breast	643	671	774	878	950	12.2	12.3	12.1	12.1	12.2
Uterus	660	704	594	677	638	12.6	13.0	9.3	9.4	8.2
Other female genital organs	156	217	278	347	376	3.0	4.0	4.4	4.8	4.8
Male genital organs	414	462	451	602	603	7.9	8.5	7.1	8.3	7.7
Urinary organs	322	342	423	471	548	6.1	6.3	6.6	6.5	7.0
Other & unspecified sites	896	1,108	1,559	1,902	1,955	17.0	20.4	24.5	26.3	25.1
Skin	84	115	106	140	133	1.6	2.1	1.7	1.9	1.7
Leukemia & aleukemia	215	255	321	444	485	4.1	4.7	5.0	6.1	6.2
Hodgkin's disease	62	80	98	126	107	1.2	1.5	1.5	1.7	1.4
Other	535	658	1,034	1,192	1,230	10.2	12.1	16.2	16.5	15.8

Along with a gradually increasing trend in the total cancer death rate, the mortality rate for cancer of the respiratory system has increased considerably in the last 17 years. For every 100,000 people there were almost three times as many people dying of cancer of the respiratory system in 1957 (19.4) as in 1940 (6.6). Also cancer of the respiratory system has become an increasingly greater proportion of the total cancer problem representing 14.0% of all the cancer deaths in 1957 as compared with 5.3% in 1940.

At the same time, however, there have been noticeable decreases in the death rates due to cancer of the stomach and of the uterus.

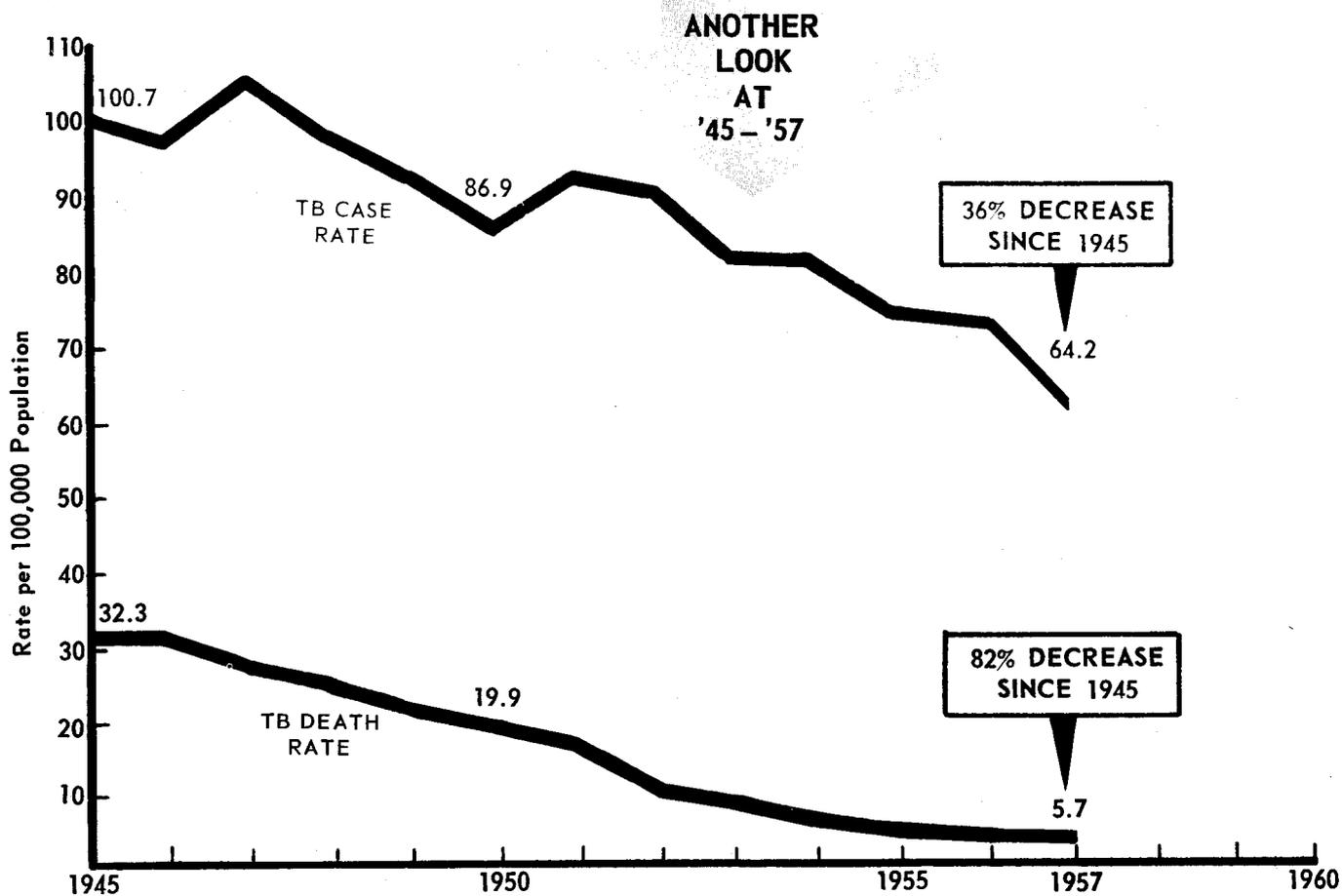
TUBERCULOSIS CASE AND DEATH RATES

MICHIGAN, 1920-1957



53% DECREASE
SINCE 1920

93% DECREASE
SINCE 1920

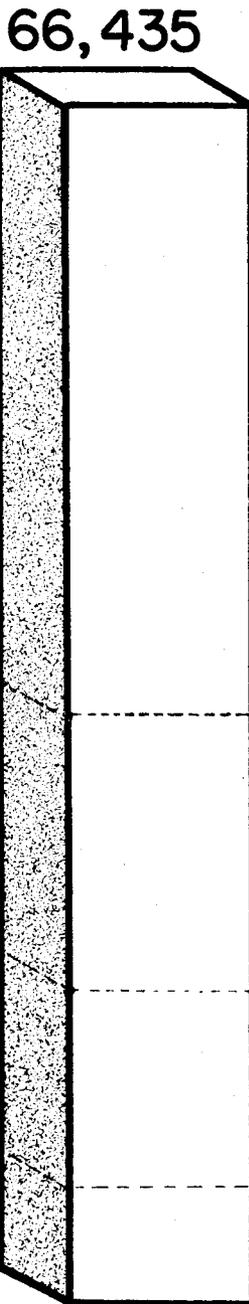


36% DECREASE
SINCE 1945

82% DECREASE
SINCE 1945

LEADING CAUSES OF DEATH

MICHIGAN 1957

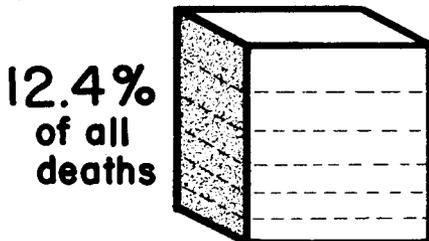


1 HEART 38.2%

2 CANCER 16.3%

3 VASC. LESIONS OF C.N.S. 11.5%

4 ACCIDENTS 5.5%



5 PNEUMONIA & INFLUENZA 3.3%

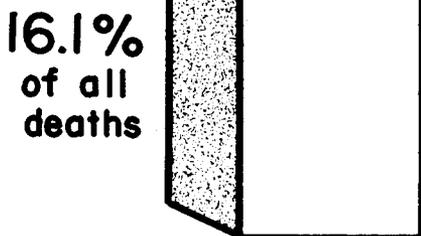
6 DIABETES 2.3%

7 IMMATURITY 2.0%

8 ARTERIOSCLEROSIS 1.9%

9 CONG. MALFORMATIONS 1.6%

10 CIRRHOSIS OF LIVER 1.3%



ALL OTHER CAUSES 16.1%

TEN LEADING CAUSES OF DEATH

DISTRIBUTION BY AGE GROUPS—MICHIGAN, 1957

CAUSE	TOTAL	PERCENT	NUMBER			PERCENT					
			Under 15 Yrs	15 44	45 64	65 & Over*	Total	Under 15 Yrs	15 44	45 64	65 & Over*
All Causes	66,435	100	6,556	5,249	17,700	36,930	100	9.9	7.9	26.6	55.6
Diseases of heart	25,369	38.2	42	987	7,229	17,111	100	0.2	3.9	28.5	67.4
Cancer	10,810	16.3	208	900	4,108	5,594	100	1.9	8.3	38.0	51.8
Vascular lesions of c.n.s.	7,632	11.5	26	213	1,472	5,921	100	0.3	2.8	19.3	77.6
Accidents	3,643	5.5	632	1,226	773	1,012	100	17.3	33.7	21.2	27.8
Pneumonia and influenza**	2,237	3.3	534	197	429	1,077	100	23.9	8.8	19.2	48.1
Diabetes mellitus	1,510	2.3	8	99	460	943	100	0.5	6.6	30.5	62.4
Immaturity	1,322	2.0	1,322	-	-	-	100	100	0	0	0
Arteriosclerosis	1,248	1.9	-	4	78	1,166	100	0	0.3	6.3	93.4
Congenital malformations	1,048	1.6	915	57	54	22	100	87.3	5.4	5.2	2.1
Cirrhosis of liver	861	1.3	2	135	442	282	100	0.2	15.7	51.3	32.8
All other causes	10,755	16.1	2,867	1,431	2,655	3,802	100	26.7	13.3	24.7	35.3

* Including 12 of unknown age.

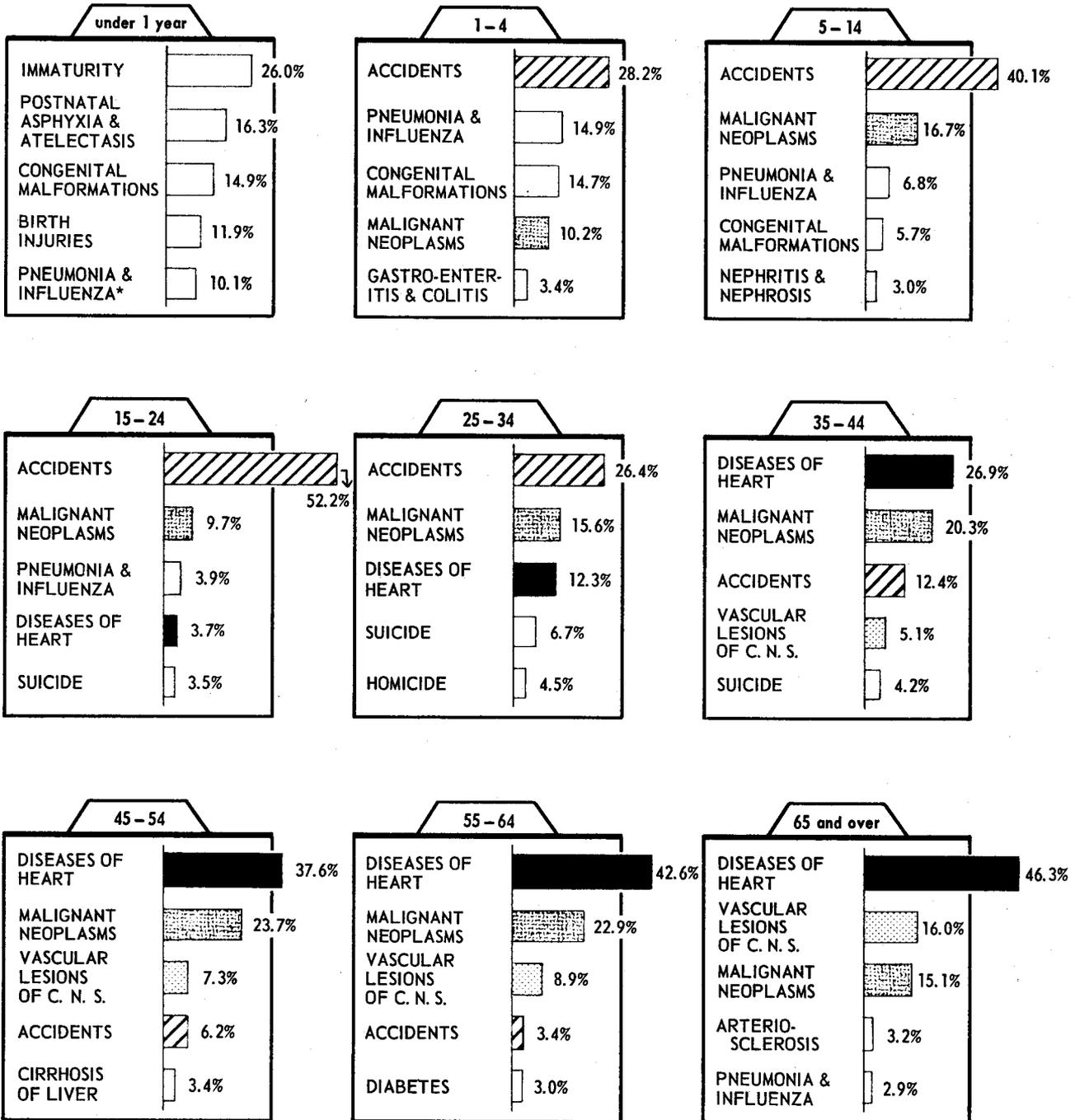
** Excluding pneumonia of newborn.

The four leading causes of death accounted for 72% of all deaths. The first three of these, heart, cancer and vascular lesions occurred largely among the older age groups, with only 4%, 10%, and 3%, respectively, under 45 years.

However, in the fourth leading cause, accidental deaths, 51% were under 45 years of age. With the exception of deaths due to immaturity and congenital malformations, which occur largely in infancy, accidental deaths is the only one of the ten leading causes with approximately half (51%) of the deaths under 45 years of age. The fifth cause, pneumonia and influenza, follows in line in this respect with 32% of the deaths under 45 years of age.

It is interesting to note that diabetes, the sixth leading cause of death, and heart disease, the first leading cause, follow a similar percentage distribution of age at death.

LEADING CAUSES OF DEATH BY AGE GROUPS---MICHIGAN, 1957



*Includes pneumonia of newborn.

Diseases of the heart lead as a cause of death among all age groups 35 years and over and constitute an increasingly larger percentage of the total deaths in each successively older age group.

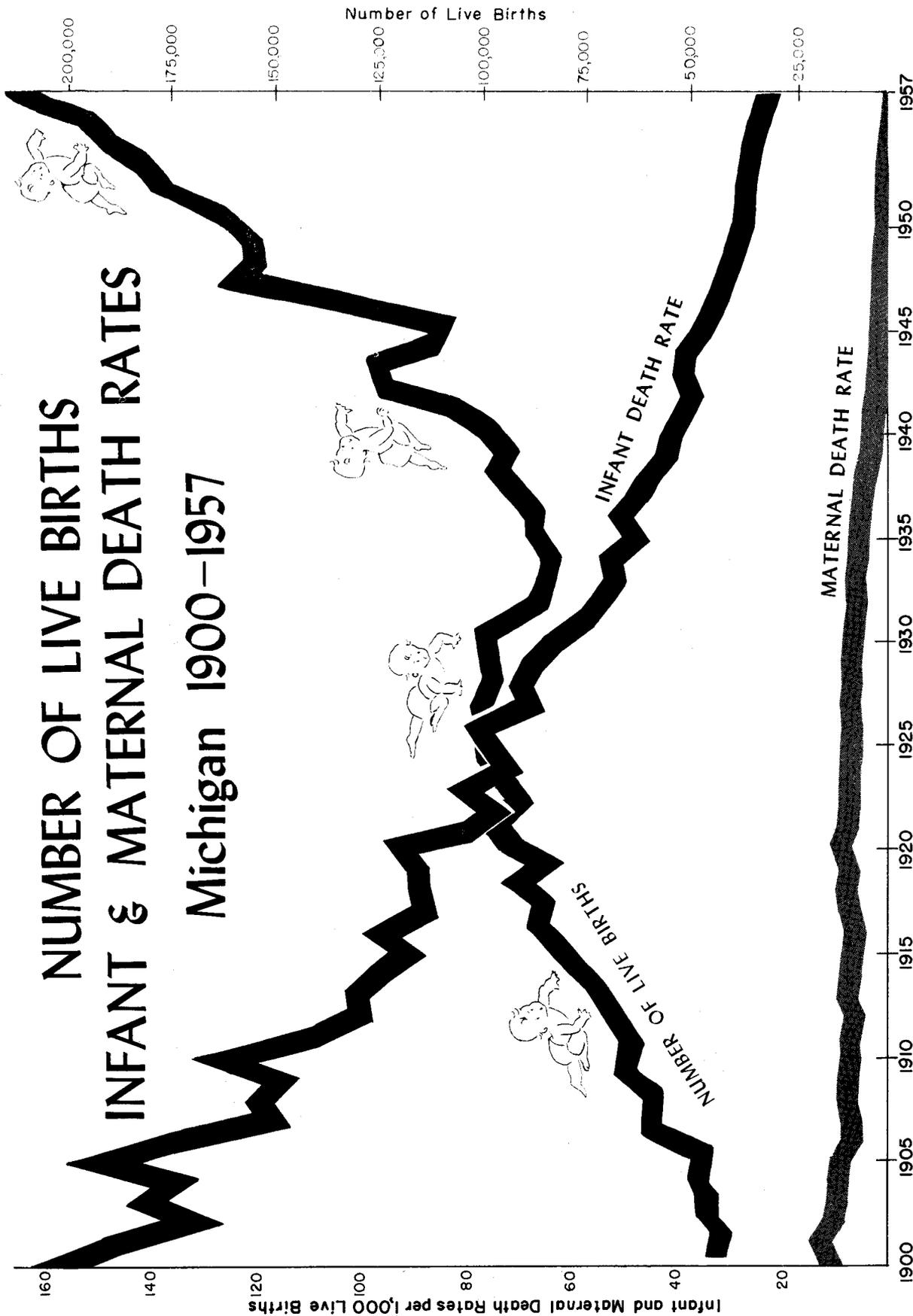
Accidents lead as a cause of death in all age groups under 35 years with the exception of infants under 1 year, and appear among the 5 leading causes in all age groups except the under 1 year and the 65 & over groups.

Malignant neoplasms first appear in the age group 1-4 years as the 4th ranking cause of death. It is the 2nd leading cause in the 5-14 years age group and maintains this position in all successive age groups until shifting to 3rd position in the 65 & over group.

Pneumonia and influenza has changed the pattern of the 5 leading causes of death by age group when compared with the previous year - the result of the influenza epidemic in the later part of 1957. This cause changed from 4th to 2nd position in the 1-4 age group and moved from 4th to 3rd position in the 5-14 group. It became one of the 5 leading causes in the 15-24 and 65 & over age groups, ranking 3rd in the 15-24 group and 5th, replacing accidents, in the 65 & over group.

NUMBER OF LIVE BIRTHS INFANT & MATERNAL DEATH RATES

Michigan 1900-1957



An all-time high of 208,488 Michigan births were recorded during 1957. In the last 9 years each year has shown an increase over the previous year with the 1957 figure approximately 36% greater than that of 9 years ago.

Along with this notable increase in the number of births, the infant death rate reached an all-time low of 24.4 during 1957. The maternal death rate was 0.38 per 1,000 live births. In the last 9 years the decrease has been 19% in the infant mortality rate and 51% in the maternal mortality rate. For the United States, the 1957 infant mortality and maternal mortality rates were estimated as 26.3 and 0.39 respectively.

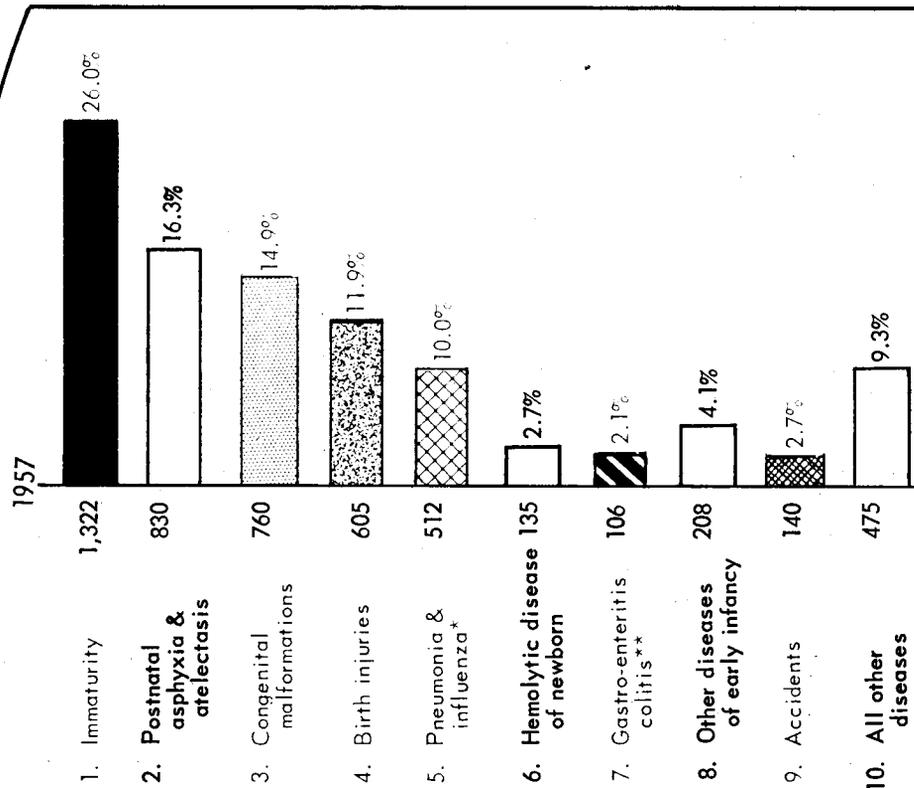
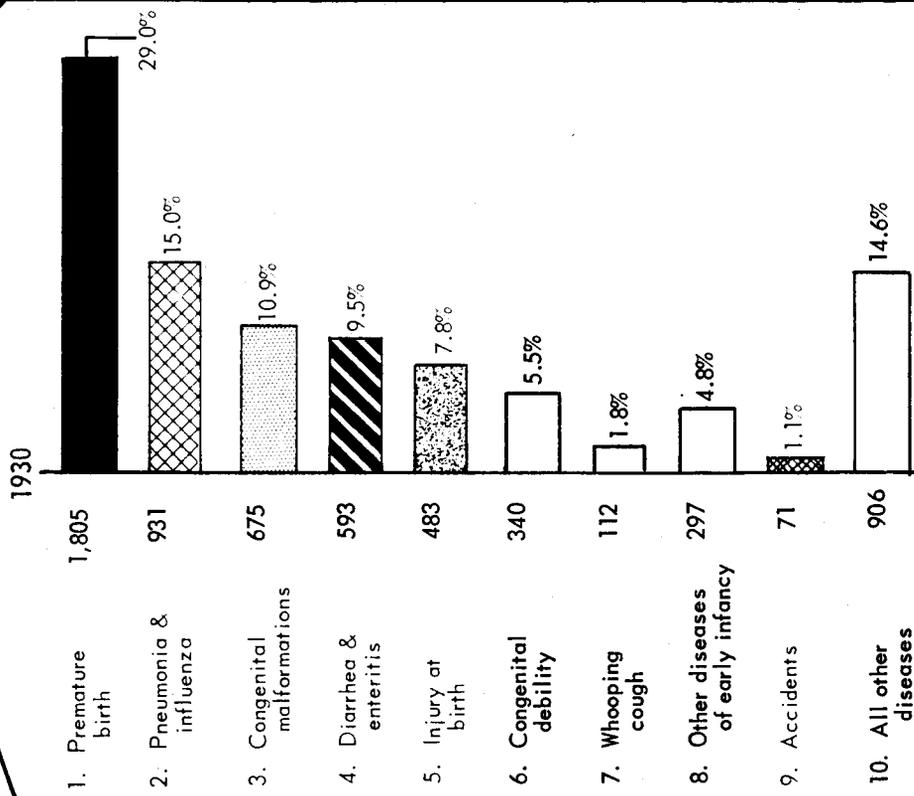
IN MICHIGAN

DURING 1930

6,213 INFANTS DIED

BEFORE REACHING 1 YEAR OF AGE

WHY?

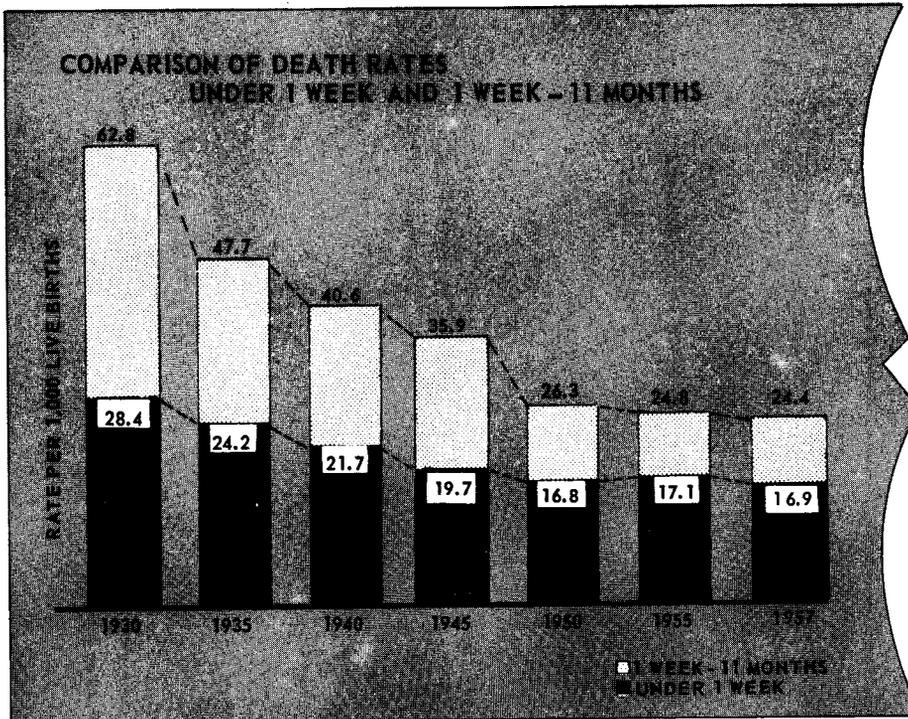


*Includes 142 pneumonia of newborn

**Includes 17 diarrhea of newborn

INFANT MORTALITY TRENDS

Michigan; 1930 - 1957

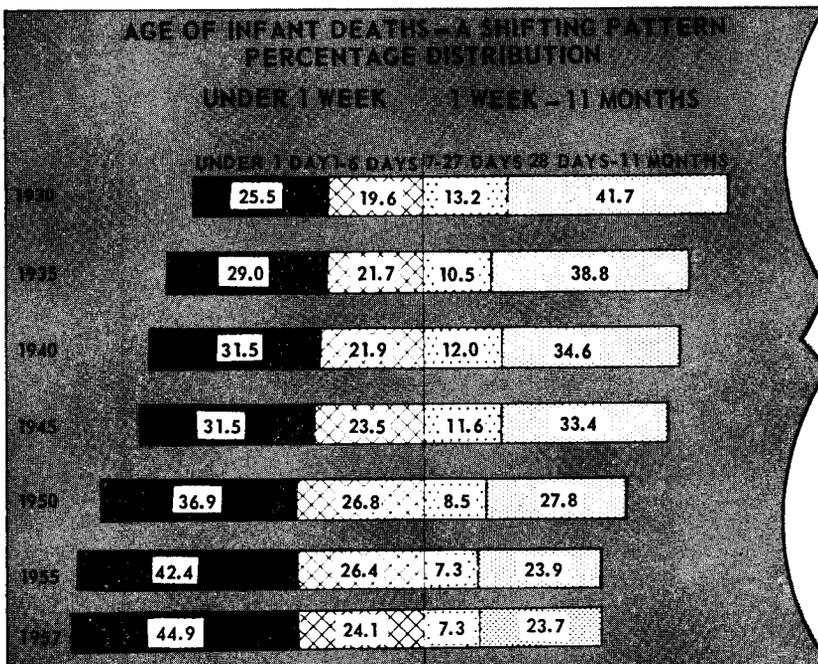


DURING THE PAST 27 YEARS

78% DECREASE 1 WEEK - 11 MONTHS

40% DECREASE UNDER 1 WEEK

THE CHALLENGE
MORE AND MORE
WITHIN
THE FIRST WEEK OF LIFE



A REVERSAL OF BALANCE

	1930	1957
Under 1 week	45%	69%
1 week - 11 months	55%	31%

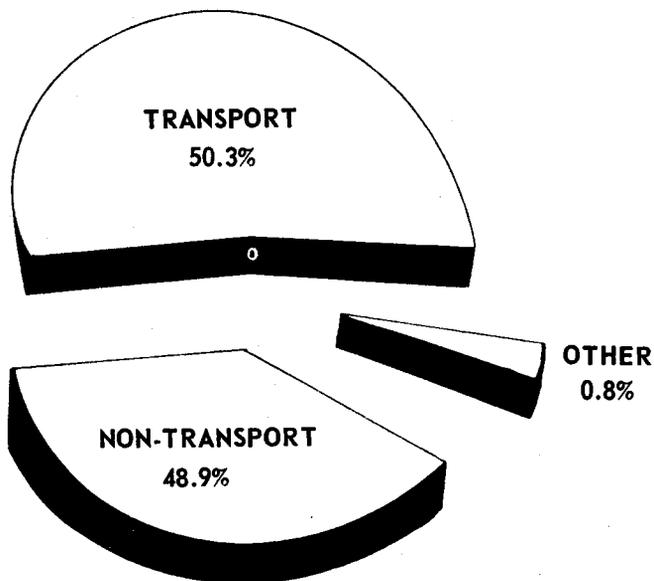
NOW MORE THAN
2 DEATHS UNDER 1 WEEK
TO
1 DEATH 1 WEEK - 11 MONTHS

ACCIDENTAL DEATHS

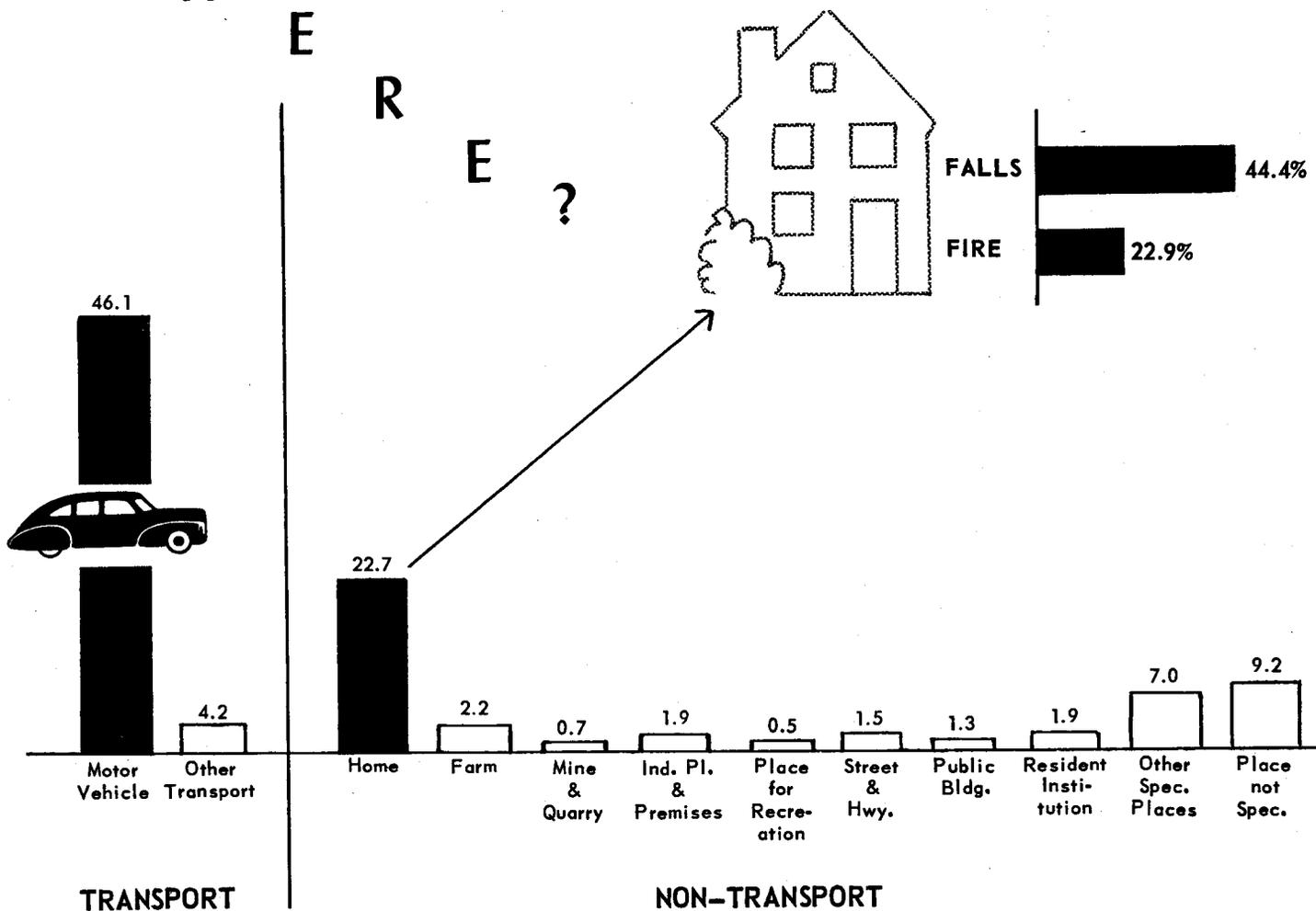
(4TH LEADING CAUSE OF DEATH)

MICHIGAN*, 1957

(PERCENTAGE DISTRIBUTION)



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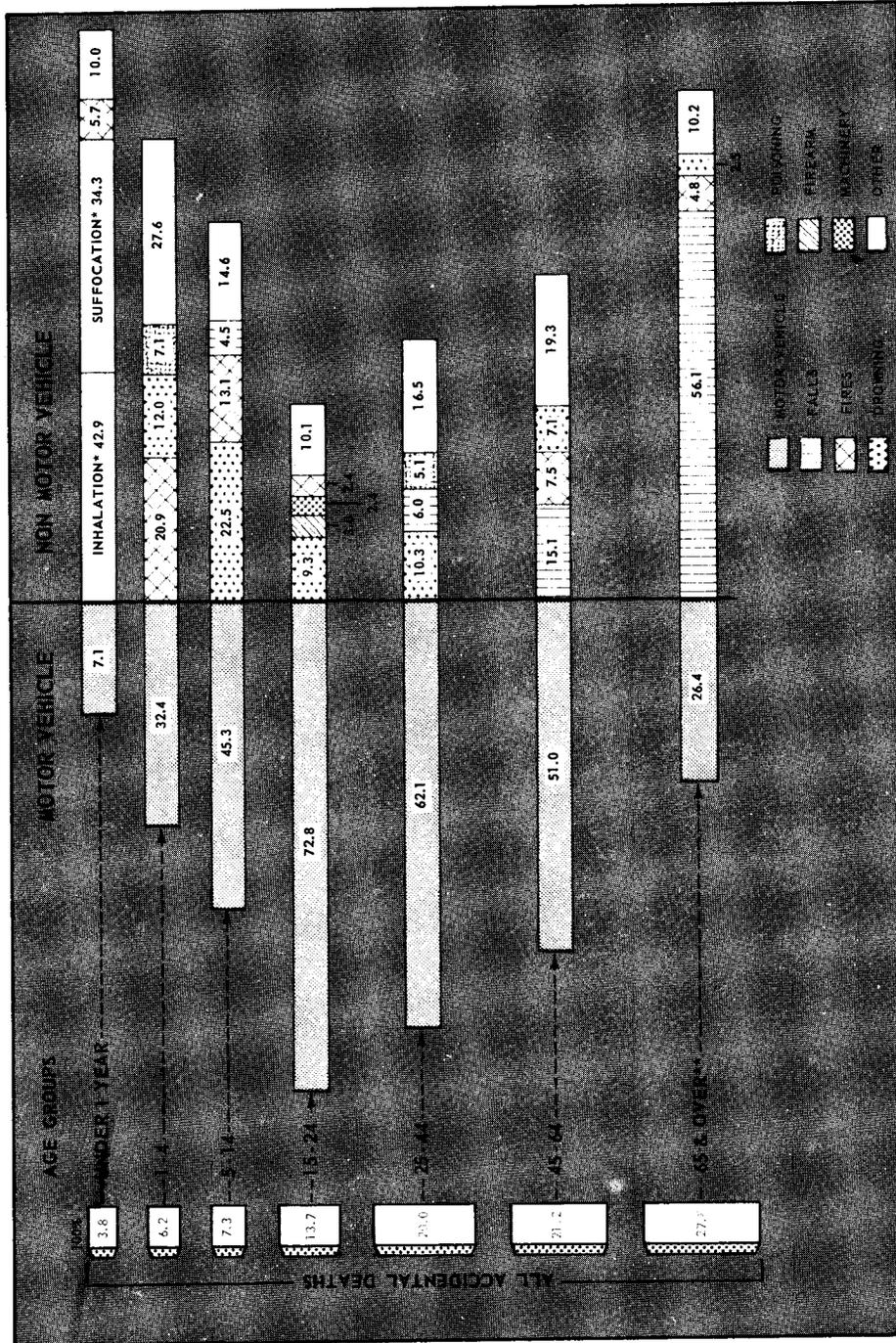
*BY PLACE OF RESIDENCE

ACCIDENTAL DEATHS BY AGE AND LEADING CAUSES

PERCENTAGE DISTRIBUTION

MICHIGAN, 1957

COMPARISON OF MOTOR VEHICLE AND NON MOTOR VEHICLE WITHIN SPECIFIED AGE GROUPS



The proportion of motor vehicle accidental deaths increases with each advancing age group reaching a peak of 73% in the 15-24 year group; the proportion then decreases with each successively older age group.

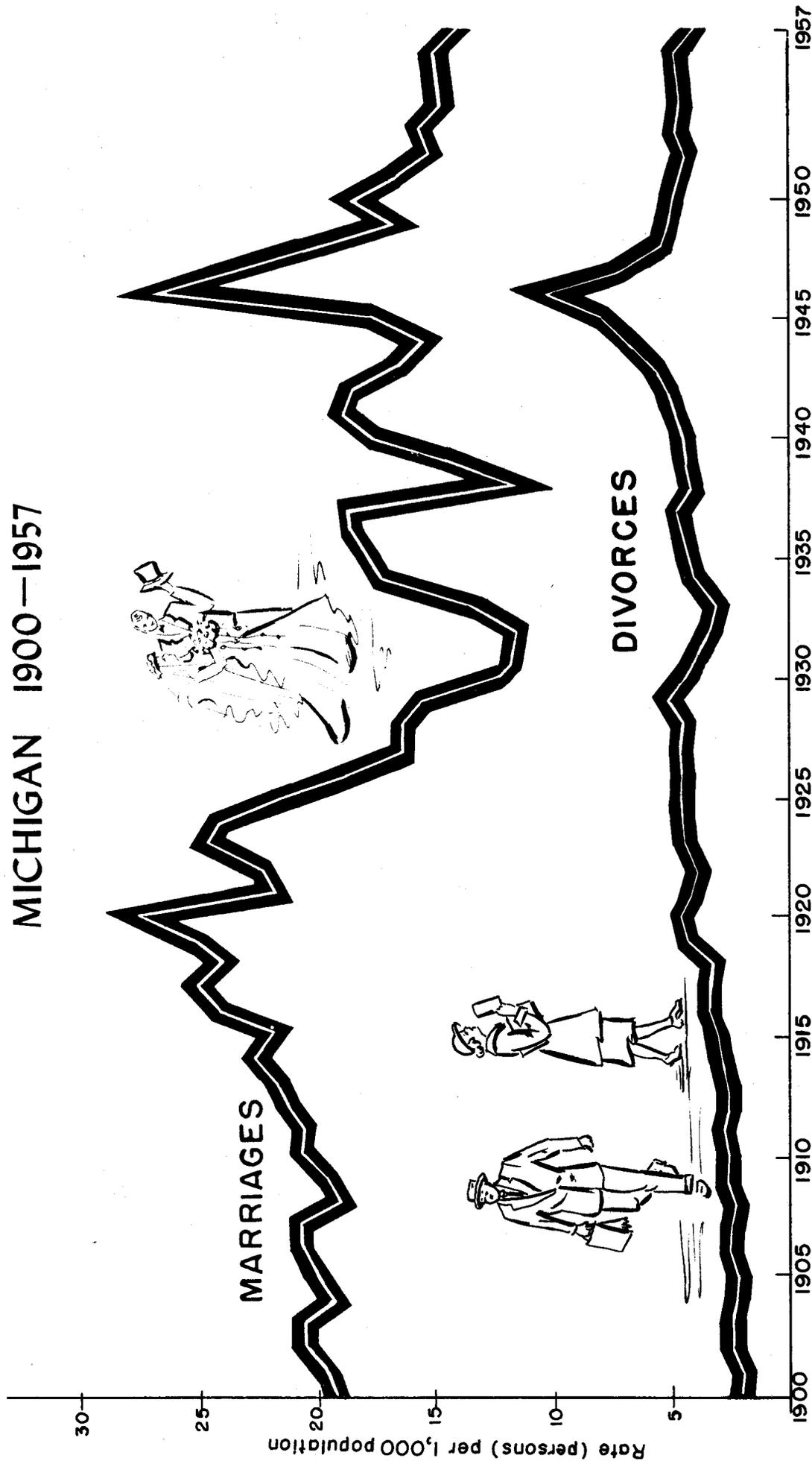
Motor vehicle accidental deaths are the leading cause of death in all but the 2 extreme age groups—Under-one-year and 65-and-Over; inhalation leads in the Under-one-year group and falls lead in the 65-and-Over group. In the latter age group falls account for 56% of the accidental deaths.

*The 2 causes - inhalation or ingestion of food or other objects causing obstruction or suffocation and mechanical suffocation are leading causes of accidental death only in infants under one year of age.

**Includes 2 deaths of unknown age.

MARRIAGES AND DIVORCES

MICHIGAN 1900-1957



The two peak years for marriages were 1920 and 1946, with rates of 27.7 and 27.6, respectively, both of which reflect postwar demobilization. The marked decreases during the 1930's were undoubtedly due to the depression years. The peak year for divorces was 1946 with a rate of 10.2. This likewise reflects postwar demobilization. Since 1950 in spite of minor annual fluctuations the trend in both marriage and divorce rates has been slightly downward. The current divorce rate is the lowest since 1934 and the marriage rate the lowest since 1938. The low marriage rate is probably due partially to the low birth rates during the depression years.

Note: All rates refer to persons married or divorced.

Statistical Methods Section
Michigan Department of Health

TABLES

TABLE 1A - POPULATION; LIVE BIRTHS - TOTAL AND ILLEGITIMATE; DEATHS - ALL AGES, INFANT, NEONATAL, PERINATAL, FETAL, MATERNAL AND DEATHS DUE TO IMMATUREITY; MARRIAGES; AND DIVORCES
MICHIGAN, 1900 - 1957

(Deaths exclusive of fetal deaths. Perinatal deaths include deaths under 1 week and fetal deaths. Divorces include annulments.)

NUMBER

Year	Population	LIVE BIRTHS		DEATHS						Marriages	Divorces		
		Total	Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Perinatal	Due to Immaturity	Fetal			Maternal	
1900	2,420,982	43,699	332	32,453	6,866				620	1,325	452	23,295	2,435
1901	2,459,901	43,221	365	32,834	6,319				524	1,501	531	24,079	2,448
1902	2,498,820	45,546	383	31,472	5,949				608	1,793	468	25,653	2,828
1903	2,537,739	46,020	490	33,176	6,488				542	1,814	427	26,029	2,945
1904	2,576,658	47,508	562	34,494	6,419				632	1,911	436	24,918	2,808
1905	2,615,578	46,976	444	34,679	7,054				751	2,044	416	26,307	2,825
1906	2,654,497	58,599	1,090	37,033	7,952				830	2,358	400	27,519	3,192
1907	2,693,416	59,029	1,041	36,701	6,906				855	2,358	391	27,940	3,107
1908	2,732,335	64,772	888	36,761	7,697				975	2,694	440	25,765	3,020
1909	2,771,254	64,323	1,068	36,313	7,443				1,152	2,540	405	27,353	3,516
1910	2,810,173	64,109	1,054	39,913	7,998				2,050	2,559	431	29,039	3,716
1911	2,895,997	65,756	1,083	38,007	7,131				2,223	2,716	451	29,859	4,125
1912	2,981,821	69,537	1,222	38,804	6,985				2,340	2,906	396	31,694	3,838
1913	3,067,645	73,058	1,227	40,827	7,659				2,480	2,953	528	33,529	3,978
1914	3,153,469	76,761	1,192	39,906	7,431				2,391	3,113	507	35,316	4,395
1915	3,239,293	81,100	1,363	40,441	6,943				2,207	3,357	488	35,527	4,757
1916	3,325,116	87,062	1,351	46,047	8,415				2,498	3,689	503	40,143	5,540
1917	3,410,940	89,419	1,101	47,236	7,916				2,369	3,550	586	42,791	5,627
1918	3,496,764	91,261	1,142	54,617	8,197				2,362	3,686	709	33,260	5,493
1919	3,582,588	84,062	1,002	45,636	7,560				2,183	3,361	578	45,579	7,469
1920	3,668,412	92,245	1,445	51,982	8,587				2,512	3,770	795	50,805	8,679
1921	3,785,799	96,035	1,346	44,186	7,584				2,481	3,669	605	41,508	7,676
1922	3,903,186	90,042	1,180	43,817	6,730				1,793	3,779	551	43,561	7,591
1923	4,020,573	92,956	1,210	49,333	7,477				1,911	3,657	583	49,569	8,745
1924	4,137,960	98,187	1,443	47,304	7,088	4,119	6,791		1,970	3,703	636	49,788	9,400
1925	4,255,347	98,983	1,258	49,417	7,498	4,022	6,667		1,987	3,670	629	46,276	9,650
1926	4,372,734	98,289	1,669	54,080	7,620	4,054	6,773		1,986	3,816	631	39,788	9,795
1927	4,490,121	99,940	1,872	50,600	6,766	3,915	6,794		1,911	3,834	667	36,276	10,617
1928	4,607,508	97,462	1,853	54,755	6,806	3,739	6,594		1,846	3,701	603	37,300	10,615
1929	4,724,895	98,695	1,632	56,117	6,605	3,777	6,613		1,853	3,710	617	36,816	12,094
1930	4,842,325	98,882	1,600	51,561	6,213	3,624	6,518		1,805	3,714	597	29,482	10,639
1931	4,883,703	90,547	1,633	49,068	5,187	3,084	5,643		1,473	3,220	539	28,856	9,507
1932	4,925,081	85,254	1,697	49,569	4,630	2,798	5,210		1,372	2,980	493	28,552	7,889
1933	4,966,459	80,482	2,041	48,507	4,094	2,591	4,906		1,364	2,776	447	33,132	7,671
1934	5,007,837	83,944	2,124	50,440	4,377	2,717	4,781		1,419	2,607	450	43,241	10,124
1935	5,049,216	87,403	2,194	51,051	4,170	2,550	4,832		1,389	2,717	438	45,313	10,844
1936	5,090,594	88,457	2,157	54,777	4,479	2,647	4,479		1,395	2,625	425	47,023	11,419
1937	5,131,972	91,566	2,234	53,468	4,374	2,700	4,919		1,415	2,707	326	47,954	12,472
1938	5,173,350	96,962	2,331	50,678	4,319	2,734	4,984		1,484	2,732	345	30,105	10,646
1939	5,214,728	94,432	2,217	52,017	3,952	2,594	4,706		1,396	2,572	280	37,725	11,589
1940	5,256,106	99,106	2,280	52,092	4,022	2,629	4,749		1,298	2,602	292	46,342	12,054
1941	5,437,546	107,498	2,370	52,671	4,166	2,687	4,991		1,353	2,769	298	50,989	13,317
1942	5,538,857	124,068	2,532	52,738	4,606	3,091	5,581		1,575	3,067	260	51,582	14,085
1943	5,377,329	125,441	2,569	56,774	4,804	2,979	5,563		1,488	3,213	237	44,385	15,259
1944	5,377,329	113,586	3,115	54,016	4,326	2,784	5,140		1,412	2,874	198	41,678	18,356
1945	5,435,092	111,557	3,485	53,641	4,008	2,670	4,906		1,339	2,703	166	48,329	21,133
1946	5,708,415	138,572	3,908	54,856	4,541	3,323	5,978		1,735	3,168	163	78,808	29,158
1947	6,069,000	160,275	4,311	56,807	5,055	3,677	6,583		1,953	3,422	173	71,319	21,386
1948	6,195,000	153,726	4,310	56,520	4,617	3,352	5,968		1,820	3,132	120	61,986	16,017
1949	6,352,000	156,469	3,953	57,107	4,520	3,232	5,746		1,795	2,994	105	53,109	16,274
1950	6,371,766	160,055	4,425	57,567	4,214	3,043	5,781		1,096	3,095	91	58,180	15,979
1951	6,545,000	172,451	4,367	59,181	4,505	3,296	6,088		1,232	3,158	94	53,411	15,446
1952	6,708,000	177,835	4,513	59,138	4,689	3,414	6,266		1,256	3,224	82	50,487	14,925
1953	6,852,000	182,968	4,770	62,087	4,728	3,389	6,188		1,114	3,180	79	53,308	16,537
1954	7,024,000	192,104	5,610	60,706	4,795	3,560	6,415		1,298	3,249	94	51,243	16,281
1955	7,236,000	196,294	5,883	63,087	4,873	3,707	6,381		1,272	3,029	61	55,698	17,676
1956	7,516,000	206,068	6,494	64,352	5,047	3,796	6,655		1,244	3,245	84	57,068	16,228
1957	7,803,000	208,488	6,789	66,435	5,093	3,884	6,668		1,322	3,154	79	55,121	15,442

Note: For the years 1900 - 1910 and 1912, illegitimate live births also include illegitimate fetal deaths. For years prior to 1950 deaths under 1 month of age are included in deaths under 28 days. From 1910 through 1921 deaths due to immaturity also include deaths from congenital debility.

TABLE 1B - LIVE BIRTH RATES - TOTAL AND ILLEGITIMATE; DEATH RATES - ALL AGES, INFANT, NEONATAL, PERINATAL, FETAL, MATERNAL AND DEATH RATES DUE TO IMMATUREITY; MARRIAGE AND DIVORCE RATES
MICHIGAN, 1900 - 1957

(Birth rate, death rate for all ages, rate of persons married and rate of persons divorced per 1,000 population. Illegitimate live birth ratio, fetal death ratio, death rates under 1 year, under 28 days, and death rates due to immaturity per 1,000 live births. Maternal death rates per 10,000 live births. Perinatal death rate - number of deaths under 1 week and fetal deaths per 1,000 live births and fetal deaths.)

Year	R A T E										
	L I V E B I R T H S		D E A T H S							P E R S O N S	
	Total	Illegit- imate	All Ages	Under 1 Yr	Under 28 Days	Peri- natal	Due to Immaturity	Fetal	Maternal	Married	Divorced
1900	18.1	7.6	13.4	157.1			14.2	30.3	103.4	19.2	2.0
1901	17.6	8.4	13.3	146.2			12.1	34.7	122.9	19.6	2.0
1902	18.2	8.4	12.6	130.6			13.3	39.4	102.8	20.5	2.3
1903	18.1	10.6	13.1	141.0			11.8	39.4	92.8	20.5	2.3
1904	18.4	11.8	13.4	135.1			13.3	40.2	91.8	19.3	2.2
1905	18.0	9.5	13.3	150.2			16.0	43.5	88.6	20.1	2.2
1906	22.1	18.6	14.0	135.7			14.2	40.2	68.3	20.7	2.4
1907	21.9	17.6	13.6	117.0			14.5	39.9	66.2	20.7	2.3
1908	23.7	13.7	13.5	118.8			15.1	41.6	67.9	18.9	2.2
1909	23.2	16.6	13.1	115.7			17.9	39.5	63.0	19.7	2.5
1910	22.8	16.4	14.2	124.8			32.0	39.9	67.2	20.7	2.6
1911	22.7	16.5	13.1	108.4			33.8	41.3	68.6	20.6	2.8
1912	23.3	17.6	13.0	100.4			33.6	41.8	56.9	21.3	2.6
1913	23.8	16.8	13.3	104.8			33.9	40.4	72.3	21.9	2.6
1914	24.3	15.5	12.7	96.8			31.1	40.6	66.0	22.4	2.8
1915	25.0	16.8	12.5	85.6			27.2	41.4	60.2	21.9	2.9
1916	26.2	15.5	13.8	96.7			28.7	42.4	57.8	24.1	3.3
1917	26.2	12.3	13.8	88.5			26.5	39.7	65.5	25.1	3.3
1918	26.1	12.5	15.6	89.8			25.9	40.4	77.7	19.0	3.1
1919	23.5	11.9	12.7	89.9			26.0	40.0	68.8	25.4	4.2
1920	25.1	15.7	14.2	93.1			27.2	40.9	86.2	27.7	4.7
1921	25.4	14.0	11.7	79.0			25.8	38.2	63.0	21.9	4.1
1922	23.1	13.1	11.2	74.7			19.9	42.0	61.2	22.3	3.9
1923	23.1	13.0	12.3	80.4			20.6	39.3	62.7	24.7	4.4
1924	23.7	14.7	11.4	72.2	41.9	66.7	20.1	37.7	64.8	24.1	4.5
1925	23.3	12.7	11.6	75.7	40.6	64.9	20.1	37.1	63.5	21.7	4.5
1926	22.5	17.0	12.4	77.5	41.2	66.3	20.2	38.8	64.2	18.7	4.5
1927	22.3	18.7	11.3	67.7	39.2	65.5	19.1	38.4	66.7	16.2	4.7
1928	21.2	19.0	11.9	69.8	38.4	65.2	18.9	38.0	61.9	16.2	4.6
1929	20.9	16.5	11.9	66.9	38.3	64.6	18.8	37.6	62.5	15.6	5.1
1930	20.4	16.2	10.6	62.8	36.6	63.5	18.3	37.6	60.4	12.2	4.4
1931	18.5	18.0	10.1	57.3	34.1	60.2	16.3	35.6	59.5	11.8	3.9
1932	17.3	19.9	10.1	54.3	32.8	59.0	16.1	35.0	57.8	11.6	3.2
1933	16.2	25.4	9.8	50.9	32.2	58.9	16.9	34.5	55.5	13.3	3.1
1934	16.8	25.3	10.1	52.1	32.4	55.2	16.9	31.1	53.6	17.3	4.0
1935	17.3	25.1	10.1	47.7	29.2	53.6	15.9	31.1	50.1	17.9	4.3
1936	17.4	24.4	10.8	50.6	29.9	51.9	15.8	29.7	48.0	18.5	4.5
1937	17.8	24.4	10.4	47.8	29.5	52.2	15.5	29.6	35.6	18.7	4.9
1938	18.7	24.0	9.8	44.5	28.2	50.0	15.3	28.2	35.6	11.6	4.1
1939	18.1	23.5	10.0	41.8	27.5	48.5	14.8	27.2	29.6	14.5	4.4
1940	18.9	23.0	9.9	40.6	26.5	46.7	13.1	26.3	29.5	17.6	4.6
1941	19.8	22.0	9.7	38.8	25.0	45.3	12.6	25.8	27.7	18.8	4.9
1942	22.4	20.4	9.5	37.1	24.9	43.9	12.7	24.7	21.0	18.6	5.1
1943	23.3	20.5	10.6	38.3	23.7	43.2	11.9	25.6	18.9	16.5	5.7
1944	21.1	27.4	10.0	38.1	24.5	44.1	12.4	25.3	17.4	15.5	6.8
1945	20.5	31.2	9.9	35.9	23.9	42.9	12.0	24.2	14.9	17.8	7.8
1946	24.3	28.2	9.6	32.8	24.0	42.2	12.5	22.9	11.8	27.6	10.2
1947	26.4	26.9	9.4	31.5	22.9	40.2	12.2	21.4	10.8	23.5	7.1
1948	24.8	28.0	9.1	30.0	21.8	38.0	11.8	20.4	7.8	20.0	5.2
1949	24.6	25.3	9.0	28.9	20.7	36.0	11.5	19.1	6.7	16.7	5.1
1950	25.1	27.6	9.0	26.3	19.0	35.4	6.8	19.3	5.7	18.3	5.0
1951	26.3	25.3	9.0	26.1	19.1	34.7	7.1	18.3	5.5	16.3	4.7
1952	26.5	25.4	8.8	26.4	19.2	34.6	7.1	18.1	4.6	15.1	4.4
1953	26.7	26.1	9.1	25.8	18.5	33.2	6.1	17.4	4.3	15.6	4.8
1954	27.3	29.2	8.6	25.0	18.5	32.8	6.8	16.9	4.9	14.6	4.6
1955	27.1	30.0	8.7	24.8	18.9	32.0	6.5	15.4	3.1	15.4	4.9
1956	27.4	31.5	8.6	24.5	18.4	31.8	6.0	15.7	4.1	15.2	4.3
1957	26.7	32.6	8.5	24.4	18.6	31.5	6.3	15.1	3.8	14.1	4.0

Note: For the years 1900 - 1910 and 1912, illegitimate live births also include illegitimate fetal deaths. For years prior to 1950 deaths under 1 month of age are included in deaths under 28 days. From 1910 through 1921 deaths due to immaturity also include deaths from congenital debility.

TABLE 2A - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
MICHIGAN, 1900 - 1957

Year	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis	Tuberculosis (all forms)	Meningococcal infections	Pollomyelitis	Syphilis	Gonorrhea	Chancroid
1900	2,706	6,734	694	5,122	3,375	20,356		2,721	654				
1901	2,498	7,726	5,088	3,002	2,955	4,629		2,915	506				
1902	2,993	6,582	7,086	2,456	3,534	11,978		2,658	528				
1903	3,670	5,353	6,341	2,840	4,172	8,941		2,745	525				
1904	3,510	4,088	5,753	3,028	1,779	10,386		2,928	448				
1905	2,159	2,286	2,985	2,774	1,196	6,061		2,590	577				
1906	3,648	3,066	1,240	3,163	1,364	7,403		2,653	533				
1907	2,935	2,514	1,712	1,953	872	12,139		2,699	575				
1908	2,658	3,087	2,306	2,656	1,248	4,775		2,705	487				
1909	3,109	5,153	1,533	2,694	1,054	9,047		3,423	457				
1910	3,433	6,501	3,319	3,361	1,136	13,934		4,415	522	104			
1911	3,762	5,177	898	2,660	1,897	9,639		5,254	478	68			
1912	3,294	4,533	1,127	2,847	1,255	2,834		1,958	88	78			
1913	5,505	4,140	1,995	2,253	929	9,185		1,920	165	56			
1914	5,149	3,769	1,527	2,167	1,822	11,356		2,566	205	49			
1915	4,386	3,402	1,094	1,956	2,258	4,438		3,648	107	95			
1916	5,625	6,932	1,581	2,513	1,837	12,143		7,076	163	598			
1917	8,499	14,322	3,674	1,723	3,211	14,472		4,856	75	91			
1918	6,128	5,944	5,241	1,339	2,563	6,726		3,655	95	121	5,077	7,910	186
1919	7,896	6,269	2,381	1,254	1,829	8,885		4,231	75	155			
1920	10,360	10,280	4,818	1,421	7,171	22,364		4,994	203	67	8,117	11,463	262
1921	12,075	10,893	4,512	1,837	6,696	3,043		5,708	173	483	7,421	9,774	153
1922	8,513	9,687	1,230	1,108	5,642	12,107		5,573	159	43	7,900	9,717	90
1923	7,725	12,868	2,311	982	7,617	30,041		5,471	186	39	10,480	9,597	235
1924	6,011	12,989	4,527	782	4,364	18,290		5,570	157	647	13,000	10,490	183
1925	3,925	12,303	784	962	7,576	10,332		5,785	128	99	14,668	10,660	104
1926	5,377	12,681	549	583	8,776	39,946		5,387	96	107	14,872	10,707	103
1927	4,575	11,011	1,467	581	6,818	8,303		5,406	138	282	15,713	9,318	107
1928	3,724	10,486	1,335	390	9,700	27,039		5,885	276	77	15,323	8,592	100
1929	4,618	14,245	2,410	310	9,340	18,040		6,248	1,864	180	16,606	9,661	333
1930	3,206	11,174	2,375	504	7,937	28,129		5,128	901	208	16,538	8,554	163
1931	1,831	13,023	915	424	11,448	6,212		6,132	293	1,137	14,662	7,843	170
1932	1,188	15,255	222	513	13,091	42,129		7,103	129	112	11,969	6,963	140
1933	1,152	16,419	46	453	11,720	21,654		6,624	86	93	7,691	6,447	85
1934	614	19,238	49	486	11,255	6,528		5,264	53	230	6,483	6,188	132
1935	645	11,849	16	355	13,427	79,061		4,642	113	614	6,416	6,372	110
1936	661	12,650	32	287	14,287	2,453		5,157	120	152	6,401	6,460	133
1937	842	24,798	152	241	11,426	6,154		6,469	87	421	8,708	7,072	244
1938	619	18,362	274	285	14,563	79,400		6,335	69	59	14,684	7,046	341
1939	452	15,836	371	177	8,997	12,948		6,119	46	904	13,144	6,364	286
1940	264	10,366	76	120	11,757	20,206		6,063	49	1,228	9,999	7,650	218
1941	242	8,756	114	147	16,512	70,748		5,371	49	270	11,370	8,767	359
1942	243	7,503	17	74	11,602	8,569		5,720	66	162	12,461	8,753	276
1943	281	5,044	18	115	12,091	51,764		6,546	757	255	15,933	9,526	260
1944	419	8,963	10	78	4,049	26,711		6,419	857	884	17,288	11,987	185
1945	630	9,304	16	59	5,339	6,328	134	5,471	270	215	16,046	12,565	244
1946	385	5,977	3	85	8,116	42,261	34	5,548	185	1,091	18,051	12,635	206
1947	238	4,834	1	77	10,472	9,574	14	6,470	113	646	15,276	10,989	216
1948	126	5,934	-	49	2,668	42,952	9	6,109	107	775	12,100	9,448	465
1949	119	8,852	-	48	4,157	20,279	28	5,953	120	2,909	8,740	9,427	336
1950	84	4,665	-	43	9,184	38,245	48	5,538	133	2,029	8,830	8,678	202
1951	48	8,181	-	33	3,156	15,227	325	6,144	138	1,463	6,532	8,494	187
1952	45	8,325	-	53	1,992	32,941	283	6,152	169	3,912	7,377	7,691	58
1953	12	5,885	-	31	2,932	23,334	868	5,643	151	2,346	5,619	8,790	43
1954	57	5,142	-	30	5,620	40,725	1,419	5,764	150	2,168	4,686	9,940	47
1955	59	5,880	-	24	4,249	23,882	1,244	5,488	170	1,177	4,865	10,306	58
1956	220	7,349	-	56	1,907	41,966	814	5,515	182	656	4,785	9,598	52
1957	130	7,193	-	12	1,363	19,070	657	5,011	175	498	4,571	8,428	97

Note: Meningococcal infections - prior to 1952 data were for meningococcal meningitis.

TABLE 2B - CASE RATES OF CERTAIN REPORTED COMMUNICABLE DISEASES

MICHIGAN, 1900 - 1957

(Rates per 100,000 Population)

Year	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis	Tuberculosis (all forms)	Meningococcal infections	Polioyelitis	Syphilis	Gonorrhea	Chancroid
1900	111.8	278.2	28.7	211.6	139.4	840.8		112.4	27.0				
1901	101.5	314.1	206.8	122.0	120.1	188.2		118.5	20.6				
1902	119.8	263.4	283.6	98.3	141.4	479.3		106.4	21.1				
1903	144.6	210.9	249.9	111.9	164.4	352.3		108.2	20.7				
1904	136.2	158.7	223.3	117.5	69.0	403.1		113.6	17.4				
1905	82.5	87.4	114.1	106.1	45.7	231.7		99.0	22.1				
1906	137.4	115.5	46.7	119.2	51.4	278.9		99.9	20.1				
1907	109.0	93.3	63.6	72.5	32.4	450.7		100.2	21.3				
1908	97.3	113.0	84.4	97.2	45.7	174.8		99.0	17.8				
1909	112.2	185.9	55.3	97.2	38.0	326.5		123.5	16.5				
1910	122.2	231.3	118.1	119.6	40.4	495.8		157.1	18.6	3.7			
1911	129.9	178.8	31.0	91.8	65.5	332.8		181.4	16.5	2.3			
1912	110.5	152.0	37.8	95.5	42.1	95.0		65.7	3.0	2.6			
1913	179.5	135.0	65.0	73.4	30.3	299.4		62.6	5.4	1.8			
1914	163.3	119.5	48.4	68.7	57.8	360.1		81.4	6.5	1.6			
1915	135.4	105.0	33.8	60.4	69.7	137.0		112.6	3.3	2.9			
1916	169.2	208.5	47.5	75.6	55.2	365.2		212.8	4.9	18.0			
1917	249.2	419.9	107.7	50.5	94.1	424.3		142.4	2.2	2.7			
1918	175.2	170.0	149.9	38.3	73.3	192.4		104.5	2.7	3.5			
1919	220.4	175.0	66.5	35.0	51.1	248.0		118.1	2.1	4.3	141.7	220.8	5.2
1920	282.4	280.2	131.3	38.7	195.5	609.6		136.1	5.5	1.8	221.3	312.5	7.1
1921	318.9	287.7	119.2	48.5	176.9	80.4		150.8	4.6	12.8	196.0	258.2	4.0
1922	218.1	248.2	31.5	28.4	144.5	310.2		142.8	4.1	1.1	202.4	248.9	2.3
1923	192.1	320.1	57.5	24.4	189.5	747.2		136.1	4.6	1.0	260.7	238.7	5.8
1924	145.3	313.9	109.4	18.9	105.5	442.0		134.6	3.8	15.6	314.2	253.5	4.4
1925	92.2	289.1	18.4	22.6	178.0	242.8		135.9	3.0	2.3	344.7	250.5	2.4
1926	123.0	290.0	12.6	13.3	200.7	913.5		123.2	2.2	2.4	340.1	244.9	2.4
1927	101.9	245.2	32.7	12.9	151.8	184.9		120.4	3.1	6.3	349.9	207.5	2.4
1928	80.8	227.6	29.0	8.5	210.5	586.9		127.7	6.0	1.7	332.6	186.5	2.2
1929	97.7	301.5	51.0	6.6	197.7	381.8		132.2	39.4	3.8	351.4	204.5	7.0
1930	66.2	230.8	49.0	10.4	163.9	580.9		105.9	18.6	4.3	341.5	176.6	3.4
1931	37.5	266.7	18.7	8.7	234.4	127.2		125.6	6.0	23.3	300.2	160.6	3.5
1932	24.1	309.7	4.5	10.4	265.8	855.4		144.2	2.6	2.3	243.0	141.4	2.8
1933	23.2	330.6	0.9	9.1	236.0	436.0		133.4	1.7	1.9	154.9	129.8	1.7
1934	12.3	384.2	1.0	9.7	224.8	130.4		105.1	1.1	4.6	129.5	123.6	2.6
1935	12.8	234.7	0.3	7.0	265.9	1,565.8		91.9	2.2	12.2	127.1	126.2	2.2
1936	13.0	248.5	0.6	5.6	280.7	48.2		101.3	2.4	3.0	125.7	126.9	2.6
1937	16.4	483.2	3.0	4.7	222.6	119.9		126.1	1.7	8.2	169.7	137.8	4.8
1938	12.0	354.9	5.3	5.5	281.5	1,534.8		122.5	1.3	1.1	283.8	136.2	6.6
1939	8.7	303.7	7.1	3.4	172.5	248.3		117.3	0.9	17.3	252.0	122.0	5.5
1940	5.0	197.2	1.4	2.3	223.7	384.4		115.3	0.9	23.4	190.2	145.5	4.1
1941	4.5	161.0	2.1	2.7	303.7	1,301.1		98.8	0.9	5.0	209.1	161.2	6.6
1942	4.4	135.5	0.3	1.3	209.5	154.7		103.3	1.2	2.9	225.0	158.0	5.0
1943	5.2	93.8	0.3	2.1	224.8	962.6		121.7	14.1	4.7	296.3	177.1	4.8
1944	7.8	166.7	0.2	1.5	75.3	496.7		119.4	15.9	16.4	321.5	222.9	3.4
1945	11.6	171.2	0.3	1.1	98.2	116.4	2.5	100.7	5.0	4.0	295.2	231.2	4.5
1946	6.7	104.7	0.1	1.5	142.2	740.3	0.6	97.2	3.2	19.1	316.2	221.3	3.6
1947	3.9	79.6	0.0	1.3	172.5	157.8	0.2	106.6	1.9	10.6	251.7	181.1	3.6
1948	2.0	95.8	0	0.8	43.1	693.3	0.1	98.6	1.7	12.5	195.3	152.5	7.5
1949	1.9	139.4	0	0.8	65.4	319.3	0.4	93.7	1.9	45.8	137.6	148.4	5.3
1950	1.3	73.2	0	0.7	144.1	600.2	0.8	86.9	2.1	31.8	138.6	136.2	3.2
1951	0.7	125.0	0	0.5	48.2	232.7	5.0	93.9	2.1	22.4	99.8	129.8	2.9
1952	0.7	124.1	0	0.8	29.7	491.1	4.2	91.7	2.5	58.3	110.0	114.7	0.9
1953	0.2	85.9	0	0.5	42.8	340.5	12.7	82.4	2.2	34.2	82.0	128.3	0.6
1954	0.8	73.2	0	0.4	80.0	579.8	20.2	82.1	2.1	30.9	66.7	141.5	0.7
1955	0.8	81.3	0	0.3	58.7	330.0	17.2	75.8	2.3	16.3	67.2	142.4	0.8
1956	2.9	97.8	0	0.7	25.4	558.4	10.8	73.4	2.4	8.7	63.7	127.7	0.7
1957	1.7	92.2	0	0.2	17.5	244.4	8.4	64.2	2.2	6.4	58.6	108.0	1.2

Note: Meningococcal infections - prior to 1952 data were for meningococcal meningitis.

TABLE 3 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES
MICHIGAN, 1900 - 1957

(Rates per 100,000 Population)

Year	Diphtheria		Scarlet Fever		Smallpox		Typhoid Fever		Whooping Cough		Measles		Tuberculosis of the Respiratory System		Tuberculosis (all forms)		Poliomyelitis		Syphilis*		Gonorrhoea	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1900	529	21.9	272	11.2	9	0.4	869	35.9	208	8.6	342	14.1	2,018	83.4	2,500	103.3						
1901	502	20.4	312	12.7	27	1.1	645	26.2	163	6.6	79	3.2	2,152	87.5	2,548	103.6			88	3.6		
1902	504	20.2	277	11.1	42	1.7	608	24.3	289	11.6	238	9.5	2,088	83.6	2,462	98.5			114	4.6		
1903	686	27.0	200	7.9	29	1.1	606	23.9	383	15.1	176	6.9	2,155	84.9	2,562	101.0			130	5.2		
1904	515	20.0	210	8.1	26	1.0	641	24.9	148	5.7	194	7.5	2,306	89.5	2,761	107.2			101	4.0		
1905	478	18.3	123	4.7	74	2.8	636	24.3	131	5.0	123	4.7	2,288	87.5	2,732	104.4			89	3.5		
1906	472	17.8	227	8.6	3	0.1	721	27.2	469	17.7	251	9.5	2,303	86.8	2,737	103.1			89	3.4		
1907	421	15.6	159	5.9	8	0.3	594	22.1	223	8.3	256	9.5	2,338	86.8	2,728	101.3			94	3.6		
1908	343	12.6	194	7.1	11	0.4	687	25.1	305	11.2	121	4.4	2,249	82.3	2,706	99.0			118	4.5		
1909	395	14.3	275	9.9	4	0.1	653	23.6	217	7.8	270	9.7	2,237	80.7	2,629	94.9			127	4.8		
1910	495	17.6	297	10.6	121	4.3	654	23.3	318	11.3	251	8.9	2,273	80.9	2,756	98.1	52	1.9	65	2.3		
1911	473	16.3	208	7.2	7	0.2	551	19.0	254	8.8	200	6.9	2,284	78.9	2,766	95.5	55	1.9	104	3.6		
1912	465	15.6	186	6.2	3	0.1	534	17.9	252	8.5	118	4.0	2,289	76.8	2,744	92.0	48	1.7	90	3.1		
1913	676	22.0	283	9.2	5	0.2	538	17.5	292	9.5	258	8.4	2,243	73.1	2,703	88.1	43	1.5	136	4.6		
1914	507	16.1	177	5.6	2	0.1	400	12.7	304	9.6	180	5.7	2,325	73.7	2,799	88.8	41	1.4	160	5.3		
1915	354	10.9	107	3.3	5	0.2	353	10.9	236	7.3	101	3.1	2,527	78.0	2,986	92.2	36	1.2	163	5.3		
1916	507	15.2	177	5.3	2	0.1	424	12.8	228	6.9	363	10.9	2,573	77.4	3,070	92.3	141	4.6	206	6.7		
1917	851	24.9	340	10.0	9	0.3	386	11.3	360	10.6	259	7.6	2,779	81.5	3,310	97.0	44	1.4	224	7.1		
1918	686	19.6	181	5.2	18	0.5	337	9.6	496	14.2	270	7.7	3,059	87.5	3,612	103.3	58	1.8	290	9.1		
1919	764	21.3	179	5.0	10	0.3	272	7.6	172	4.8	183	5.1	2,620	73.1	3,127	87.3	80	2.2	299	8.2		
1920	888	24.2	305	8.3	14	0.4	297	8.1	511	13.9	436	11.9	2,645	72.1	3,149	85.8	30	0.8	314	8.4		
1921	954	25.2	334	8.8	12	0.3	285	7.5	316	8.3	58	1.5	2,285	60.4	2,736	72.3	100	2.6	226	5.9	14	0.4
1922	620	15.9	217	5.6	20	0.5	192	4.9	232	5.9	232	5.9	2,232	57.2	2,654	68.0	21	0.5	186	4.7	6	0.2
1923	675	16.8	304	7.6	13	0.3	202	5.0	323	8.0	258	6.4	2,410	59.9	2,837	70.6	18	0.5	262	6.8	5	0.1
1924	470	11.4	265	6.4	226	5.5	149	3.6	169	4.1	221	5.3	2,474	59.8	2,952	71.3	116	3.0	271	7.0	13	0.3
1925	358	8.4	208	4.9	22	0.5	157	3.7	260	6.1	69	1.6	2,410	56.6	2,830	66.5	31	0.7	282	6.6	27	0.6
1926	677	15.5	235	5.4	4	0.1	119	2.7	355	8.1	577	13.2	2,601	59.5	3,041	69.5	34	0.8	327	7.5	12	0.3
1927	516	11.5	168	3.7	-	0	94	2.1	201	4.5	67	1.5	2,514	56.0	2,952	65.7	69	1.5	305	6.8	16	0.4
1928	384	8.3	178	3.9	2	0.0	83	1.8	219	4.8	303	6.6	2,647	57.4	3,108	67.5	27	0.6	384	8.4	19	0.4
1929	498	10.5	145	3.1	9	0.2	81	1.7	255	5.4	146	3.1	2,685	56.8	3,140	66.5	50	1.1	397	8.4	19	0.4
1930	299	6.2	130	2.7	9	0.2	87	1.8	176	3.6	231	4.8	2,443	50.5	2,912	60.1	39	0.8	395	8.2	12	0.2
1931	172	3.5	122	2.5	4	0.1	73	1.5	190	3.9	28	0.6	2,263	46.3	2,660	54.5	108	2.2	367	7.4	3	0.1
1932	106	2.2	112	2.3	1	0.0	56	1.1	199	4.0	183	3.7	2,101	42.7	2,463	50.0	23	0.5	377	7.7	2	0.0
1933	112	2.3	157	3.2	-	0	50	1.0	153	3.1	111	2.2	1,996	40.2	2,348	47.3	5	0.1	327	6.6	7	0.1
1934	38	0.8	171	3.4	-	0	65	1.3	141	2.8	36	0.7	1,909	38.1	2,199	43.9	25	0.5	402	8.0	10	0.2
1935	58	1.1	98	1.9	-	0	34	0.7	132	2.6	184	3.6	1,741	34.5	2,044	40.5	32	0.6	393	7.8	3	0.1
1936	52	1.0	114	2.2	-	0	37	0.7	107	2.1	12	0.2	1,816	35.7	2,100	41.3	21	0.4	394	7.7	6	0.1
1937	72	1.4	148	2.9	1	0.0	29	0.6	132	2.6	11	0.2	1,860	36.2	2,119	41.3	51	1.0	401	7.8	8	0.2
1938	44	0.9	87	1.7	-	0	23	0.4	116	2.2	100	1.9	1,633	31.6	1,866	36.1	10	0.2	401	7.8	8	0.2
1939	25	0.5	69	1.3	-	0	25	0.5	76	1.5	29	0.6	1,651	31.7	1,881	36.1	40	0.8	389	7.5	4	0.1
1940	20	0.4	41	0.8	1	0.0	11	0.2	59	1.1	19	0.4	1,547	29.4	1,752	33.3	72	1.4	591	11.2	3	0.0
1941	18	0.3	32	0.6	1	0.0	14	0.3	91	1.7	65	1.2	1,532	28.2	1,723	31.7	18	0.3	537	9.9	1	0.0
1942	24	0.4	23	0.4	-	0	5	0.1	72	1.3	8	0.1	1,630	29.4	1,827	33.0	10	0.2	559	10.1	7	0.1
1943	21	0.4	11	0.2	-	0	9	0.2	101	1.9	89	1.7	1,588	29.5	1,802	33.5	27	0.5	579	10.8	3	0.0
1944	32	0.6	7	0.1	1	0.0	7	0.1	33	0.6	49	0.9	1,544	28.7	1,748	32.5	45	0.8	543	10.1	2	0.0
1945	46	0.8	9	0.2	-	0	3	0.1	36	0.7	10	0.2	1,591	29.3	1,758	32.3	20	0.4	527	9.7	2	0.0
1946	27	0.5	3	0.1	-	0	6	0.1	44	0.8	47	0.8	1,645	28.8	1,843	32.3	89	1.6	547	9.6	-	0
1947	23	0.4	6	0.1	-	0	5	0.1	63	1.0	5	0.1	1,483	24.4	1,643	27.1	29	0.5	502	8.3	3	0.0
1948	8	0.1	1	0.0	-	0	4	0.1	9	0.1	43	0.7	1,395	22.5	1,561	25.2	54	0.9	512	8.3	-	0
1949	11	0.2	4	0.1	-	0	1	0.0	22	0.3	33	0.5	1,254	19.7	1,400	22.0	216	3.4	455	7.2	-	0
1950	2	0.0	1	0.0	-	0	5	0.1	28	0.4	28	0.4	1,134	17.8	1,270	19.9	128	2.0	325	5.1	1	0.0
1951	6	0.1	-	0	-	0	1	0.0	21	0.3	11	0.2	1,049	16.0	1,154	17.6	67	1.0	299	4.6	1	0.0
1952	2	0.0	-	0	-	0	-	0	8	0.1	17	0.3	689	10.3	775	11.6	213	3.2	174	2.6	2	0.0
1953	2	0.0	1	0.0	-	0	-	0	11	0.2	16	0.2	536	7.8	607	8.9	108	1.6	182	2.7	1	0.0
1954	3	0.0	3	0.0	-	0	-	0	17	0.2	17	0.2	471	6.7	530	7.5	89	1.3	139	2.0	2	0.0
1955	1	0.0	1	0.0	-	0	1	0.0	8	0.1	10	0.1	435	6.0	477	6.6	32	0.4	115	1.6	1	0.0
1956	6	0.1	3	0.0	-	0	-	0	6	0.1	26	0.3	426	5.7	466	6.2	22	0.3	114	1.5	4	0.1
1957	1	0.0	-	0	-	0	-	0	6	0.1	23	0.3	403	5.2	442	5.7	15	0.2	105	1.3	4	0.1

* From 1901 through 1920, syphilis includes all other venereal diseases.

TABLE 4 - DEATHS DUE TO SPECIFIED CAUSES, AND RATES

MICHIGAN, 1900 - 1957

(Rates per 100,000 Population)

Year	Heart Disease		Cancer (all forms)		Vascular Lesions Affecting Central Nervous System		Accidents (all forms)		Motor Vehicle Accidents		Diabetes		Pneumonia		Immaturity		Nephritis (all forms)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1900	2,836	117.1	1,460	60.3	2,136	88.2	1,740	71.9			224	9.3	2,388	98.6	620	25.6	1,061	43.8
1901	3,040	123.6	1,484	60.3	2,147	87.3	1,901	77.3			264	10.7	2,901	117.9	524	21.3	1,121	45.6
1902	3,302	132.1	1,483	59.3	2,097	83.9	1,796	71.9			289	11.6	2,637	105.5	608	24.3	1,287	51.5
1903	3,702	145.9	1,694	66.8	2,321	91.5	2,017	79.5			265	10.4	2,607	102.7	542	21.4	1,413	55.7
1904	3,981	154.5	1,728	67.1	2,431	94.3	2,035	79.0			298	11.6	2,646	102.7	632	24.5	1,498	58.1
1905	3,715	142.0	1,693	64.7	2,405	91.9	2,034	77.8			267	10.2	2,417	92.4	751	28.7	1,434	54.8
1906	3,933	148.2	1,736	65.4	2,554	96.2	2,126	80.1			311	11.7	2,621	98.7	830	31.3	1,448	54.5
1907	4,269	158.5	1,747	64.9	2,690	99.9	2,209	82.0			352	13.1	3,018	112.0	855	31.7	1,499	55.7
1908	4,202	153.8	1,921	70.3	2,630	96.3	2,036	74.5			359	13.1	2,313	84.7	975	35.7	1,487	54.4
1909	4,354	157.1	1,948	70.3	2,739	98.8	1,903	68.7			374	13.5	2,265	81.7	1,152	41.6	1,521	54.9
1910	4,581	163.0	2,105	74.9	3,091	110.0	2,158	76.8	49	1.7	398	14.2	2,785	99.1	2,050	72.9	2,078	73.9
1911	4,639	160.2	2,142	74.0	2,916	100.7	2,121	73.2	44	1.5	373	12.9	2,763	95.4	2,223	76.8	1,952	67.4
1912	5,324	178.5	2,291	76.8	2,707	90.8	2,005	67.2	75	2.5	448	15.0	2,796	93.8	2,340	78.5	2,081	69.8
1913	4,908	160.0	2,388	77.8	2,834	92.4	2,333	76.1	132	4.3	483	15.7	3,082	100.5	2,480	80.8	2,332	76.0
1914	5,124	162.5	2,414	76.6	2,993	94.9	2,108	66.8	120	3.8	503	16.0	2,909	92.2	2,391	75.8	2,259	71.6
1915	5,538	171.0	2,567	79.2	3,384	104.5	2,219	68.5	190	5.9	498	15.4	3,229	99.7	2,207	68.1	2,264	69.9
1916	5,819	175.0	2,710	81.5	3,559	107.0	2,853	85.8	257	7.7	500	15.0	3,698	111.2	2,498	75.1	2,398	72.1
1917	6,103	178.9	2,765	81.1	3,703	108.6	2,925	85.8	335	9.8	569	16.7	4,455	130.6	2,369	69.5	2,765	81.1
1918	6,091	174.2	2,931	83.8	3,493	99.9	2,599	74.3	279	8.0	591	16.9	7,238	207.0	2,362	67.5	2,614	74.8
1919	5,651	157.7	2,990	83.5	3,483	97.2	2,612	72.9	328	9.2	559	15.6	4,081	113.9	2,183	60.9	2,352	65.6
1920	6,732	183.5	3,158	86.1	3,876	105.7	2,646	72.1	397	10.8	577	15.7	5,794	157.9	2,512	68.5	2,420	66.0
1921	6,176	163.1	3,373	89.1	3,931	103.8	2,476	65.4	403	10.6	586	15.5	2,849	75.3	2,481	65.5	2,362	62.4
1922	6,897	176.7	3,481	89.2	4,041	103.5	2,475	63.4	529	13.6	650	16.7	3,728	95.5	1,793	45.9	2,383	61.1
1923	7,266	180.7	3,545	88.2	4,420	109.9	2,826	70.3	677	16.8	635	15.8	4,719	117.4	1,911	47.5	2,527	62.9
1924	6,985	168.8	3,824	92.4	4,241	102.5	3,090	74.7	1,001	24.2	661	16.0	3,332	80.5	1,970	47.6	2,466	59.6
1925	7,540	177.2	3,858	90.7	4,623	108.6	3,278	77.0	1,103	25.9	746	17.5	3,294	77.4	1,987	46.7	2,554	60.0
1926	8,281	189.4	4,087	93.5	4,663	106.6	3,557	81.3	1,221	27.9	743	17.0	4,440	101.5	1,986	45.4	3,330	76.2
1927	8,780	195.5	4,264	95.0	4,378	97.5	3,634	80.9	1,389	30.9	819	18.2	3,543	78.9	1,911	42.6	3,101	69.1
1928	9,786	212.4	4,381	95.1	4,718	102.4	3,704	80.4	1,429	31.0	905	19.6	4,518	98.1	1,846	40.1	3,413	74.1
1929	10,185	215.6	4,571	96.7	4,694	99.3	3,913	82.8	1,552	32.8	935	19.8	4,216	89.2	1,853	39.2	3,137	66.4
1930	9,947	205.4	4,572	94.4	4,533	93.6	3,805	78.6	1,572	32.5	880	18.2	3,321	68.6	1,805	37.3	3,098	64.0
1931	10,206	209.0	4,763	97.5	4,388	89.8	3,630	74.3	1,516	31.0	950	19.5	2,883	59.0	1,473	30.2	2,934	60.1
1932	11,162	226.6	4,935	100.2	4,518	91.7	3,179	64.5	1,229	25.0	1,121	22.8	3,238	65.7	1,372	27.9	2,953	60.0
1933	11,509	231.7	5,055	101.8	4,318	86.9	3,304	66.5	1,278	25.7	1,103	22.2	2,756	55.5	1,364	27.5	3,008	60.6
1934	11,824	236.1	5,370	107.2	4,485	89.6	3,774	75.4	1,511	30.2	1,100	22.0	3,466	69.2	1,419	28.3	3,096	61.8
1935	12,456	246.7	5,399	106.9	4,420	87.5	3,771	74.7	1,676	33.2	1,228	24.3	3,801	75.3	1,389	27.5	2,974	58.9
1936	13,374	262.7	5,752	113.0	4,705	92.4	5,246	103.1	1,924	37.8	1,266	24.9	4,096	80.5	1,395	27.4	3,033	59.6
1937	13,233	257.8	5,732	111.7	4,378	85.3	4,580	89.2	2,187	42.6	1,255	24.5	4,098	79.8	1,415	27.6	2,931	57.1
1938	13,887	268.4	6,059	117.1	4,543	87.8	3,608	69.7	1,490	28.8	1,283	24.8	2,869	55.5	1,484	28.7	2,770	53.5
1939	14,898	285.7	6,296	120.7	4,415	84.7	3,761	72.1	1,553	29.8	1,360	26.1	2,803	53.8	1,396	26.8	2,808	53.8
1940	15,480	294.5	6,513	123.9	4,690	89.2	3,961	75.4	1,743	33.2	1,408	26.8	2,478	47.1	1,298	24.7	2,918	55.5
1941	15,761	289.8	6,551	120.5	4,698	86.4	4,450	81.8	2,156	39.6	1,382	25.4	2,235	41.1	1,353	24.9	2,853	52.5
1942	16,016	289.2	6,646	120.0	4,841	87.4	3,685	66.5	1,368	24.7	1,448	26.1	2,349	42.4	1,575	28.4	2,731	49.3
1943	17,816	331.3	7,127	132.5	5,311	98.8	3,480	64.7	1,025	19.1	1,535	28.5	2,931	54.5	1,488	27.7	2,950	54.9
1944	17,004	316.2	7,277	135.3	4,954	92.1	3,350	62.3	1,103	20.5	1,554	28.9	2,369	44.1	1,412	26.3	2,739	50.9
1945	17,421	320.5	7,486	137.7	5,295	97.4	3,432	63.1	1,199	22.1	1,561	28.7	1,932	35.5	1,339	24.6	2,655	48.8
1946	17,691	309.9	7,845	137.4	5,224	91.5	3,776	66.1	1,506	26.4	1,530	26.8	1,891	33.1	1,735	30.4	2,530	44.3
1947	18,412	303.4	8,188	134.9	5,426	89.4	3,848	63.4	1,499	24.7	1,618	26.7	2,089	34.4	1,953	32.2	2,567	42.3
1948	18,726	302.3	8,336	134.6	5,272	85.1	4,017	64.8	1,545	24.9	1,771	28.6	1,853	29.9	1,820	29.4	2,473	39.9
1949	19,137	301.3	8,697	136.9	5,438	85.6	3,838	60.4	1,493	23.5	1,884	29.7	1,885	29.7	1,795	28.3	2,435	38.3
1950	20,521	322.1	8,685	136.3	6,376	100.1	3,783	59.4	1,680	26.4	1,438	22.6	1,358	21.3	1,096	17.2	1,004	15.8
1951	21,118	322.6	9,187	140.4	6,579	100.5	3,916	59.8	1,806	27.6	1,374	21.0	1,619	24.7	1,232	18.8	1,005	15.4
1952	21,247	316.8	9,256	138.0	6,521	97.2	3,901	58.2	1,815	27.1	1,339	20.0	1,571	23.4	1,256	18.7	873	13.0
1953	22,425	327.3	9,904	144.5	7,045	102.8	4,375	63.8	2,051	29.9	1,419	20.7	1,538	22.4	1,114	16.3	820	12.0
1954	22,362	318.4	10,105	143.9	6,964	99.1	3,948	56.2	1,916	27.3	1,469	20.9	1,380	19.6	1,298	18.5	749	10.7
1955	23,440	323.9	10,297	142.3	7,362	101.7	4,213	58.2	2,129	29.4	1,415	19.6	1,538	21.3	1,272	17.6	676	9.3
1956	24,661	328.1	10,489	139.6	7,114	94.7	3,925	52.2	1,826	24.3	1,443	19.2	1,723	22.9	1,244	16.6	717	9.5
1957	25,369	325.1	10,810	138.5	7,632	97.8	3,643	46.7	1,680	21.5	1,510	19.4	2,045	26.2	1,322	16.9	671	8.6

Note: Heart disease includes all forms. Cancer includes leukemias, aleukemias, and Hodgkin's disease beginning with 1921. Motor vehicle accidents do not include automobile collision with heavier vehicles from 1910 through 1922. Motor cycle accidents are included beginning with 1923. Deaths related to immaturity include congenital debility from 1910 through 1921.

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE
MICHIGAN, 1957

(Place of residence according to rural areas and urban incorporated areas having a 1950 population of 2,500 or more)

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Polio-myelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhoea	All other diseases*
STATE	123,824	130	7,193	12	1,363	657	1,318	175	498	16	5,011	4,571	8,428	94,452
ALCONA	15	-	-	-	3	-	3	-	-	1	-	2	1	5
ALGER	30	-	-	-	-	-	3	-	-	-	21	2	-	4
Munising	12	-	-	-	-	-	-	-	-	-	9	1	-	2
Balance of County	18	-	-	-	-	-	3	-	-	-	12	1	-	2
ALLEGAN	442	-	5	-	1	28	1	1	1	2	9	5	11	378
Allegan	13	-	-	-	-	-	-	-	-	-	3	-	1	9
Otsego	14	-	1	-	-	-	-	-	-	-	1	1	2	9
Plainwell	21	-	1	-	-	1	-	-	-	-	1	2	1	15
Balance of County	394	-	3	-	1	27	1	1	1	2	4	2	7	345
ALPENA	71	-	1	-	4	-	-	-	1	-	6	8	1	50
Alpena	60	-	1	-	-	-	-	-	1	-	4	7	1	46
Balance of County	11	-	-	-	4	-	-	-	-	-	2	1	-	4
ANTRIM	81	-	2	-	-	1	3	-	-	-	6	4	1	64
ARENAC	88	-	-	-	-	9	8	-	-	-	4	2	-	65
BARAGA	8	-	-	-	-	-	-	-	-	-	5	3	-	-
BARRY	420	-	11	-	7	-	2	-	3	-	6	12	6	373
Hastings	73	-	1	-	-	-	-	-	-	-	-	3	1	68
Balance of County	347	-	10	-	7	-	2	-	3	-	6	9	5	305
BAY	2,185	-	115	-	78	10	31	3	-	-	23	13	23	1,889
Bay City	1,314	-	61	-	57	6	19	1	-	-	17	9	16	1,128
Essexville	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Balance of County	870	-	54	-	21	4	12	2	-	-	6	4	6	761
BENZIE	7	-	-	-	-	-	1	-	-	-	2	3	-	1
BERRIEN	401	-	7	1	9	1	2	-	-	-	46	156	91	88
Benton Harbor	152	-	-	1	-	-	-	-	-	-	18	83	50	-
Niles	120	-	2	-	9	1	-	-	-	-	4	13	8	83
St. Joseph	13	-	-	-	-	-	-	-	-	-	7	6	-	-
Buchanan	13	-	4	-	-	-	-	-	-	-	1	2	2	4
Balance of County	103	-	1	-	-	-	2	-	-	-	16	52	31	1
BRANCH	852	-	99	-	48	47	12	-	5	1	12	12	9	607
Coldwater	295	-	39	-	37	4	5	-	-	-	3	7	7	193
Balance of County	557	-	60	-	11	43	7	-	5	1	9	5	2	414
CALHOUN	1,928	-	71	-	45	3	30	1	14	-	34	65	72	1,593
Battle Creek	611	-	11	-	13	-	11	-	9	-	27	42	57	441
Albion	259	-	15	-	14	-	5	1	1	-	2	12	11	198
Marshall	108	-	-	-	1	-	1	-	1	-	2	7	2	94
Balance of County	950	-	45	-	17	3	13	-	3	-	3	4	2	860
CASS	295	-	16	-	9	-	7	-	-	-	10	23	5	225
Dowagiac	20	-	-	-	-	-	1	-	-	-	7	10	2	-
Balance of County	275	-	16	-	9	-	6	-	-	-	3	13	3	225
CHARLEVOIX	24	-	-	-	-	1	3	-	1	-	5	3	3	8
Boyne City	4	-	-	-	-	-	-	-	1	-	2	1	-	-
Charlevoix	3	-	-	-	-	-	-	-	-	-	-	-	3	-
Balance of County	17	-	-	-	-	1	3	-	-	-	3	2	-	8
CHEBOYGAN	155	-	-	-	-	7	5	1	-	-	6	5	-	131
Cheboygan	61	-	-	-	-	3	1	-	-	-	5	4	-	48
Balance of County	94	-	-	-	-	4	4	1	-	-	1	1	-	83
CHIPPEWA	207	-	21	-	-	8	24	1	8	-	5	13	9	118
Sault Ste. Marie	132	-	16	-	-	-	2	-	5	-	2	8	8	91
Balance of County	75	-	5	-	-	8	22	1	3	-	3	5	1	27
CLARE	12	-	-	-	-	2	4	-	1	-	-	5	-	-
CLINTON	649	-	6	-	-	2	6	-	-	-	7	9	9	610
St. Johns	42	-	1	-	-	-	-	-	-	-	-	2	3	36
Balance of County	607	-	5	-	-	2	6	-	-	-	7	7	6	574
CRAWFORD	23	-	2	-	-	-	3	-	-	-	-	1	4	13

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE (Continued)

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
DELTA	367	-	16	-	-	5	4	-	1	-	24	4	2	311
Escanaba	167	-	13	-	-	3	4	-	-	-	15	2	-	130
Gladstone	31	-	1	-	-	-	-	-	-	-	2	-	-	28
Balance of County	169	-	2	-	-	2	-	-	1	-	7	2	2	153
DICKINSON	220	-	21	-	8	-	6	-	-	-	6	1	2	176
Iron Mountain	57	-	3	-	-	-	1	-	-	-	4	1	2	46
Kingsford	91	-	12	-	8	-	2	-	-	-	-	-	-	69
Norway	19	-	4	-	-	-	-	-	-	-	2	-	-	13
Balance of County	53	-	2	-	-	-	3	-	-	-	-	-	-	48
EATON	330	-	14	-	2	3	12	-	4	-	7	8	12	268
Charlotte	110	-	8	-	-	-	2	-	1	-	2	2	1	94
Eaton Rapids	42	-	2	-	-	2	3	-	-	-	2	3	1	29
Grand Ledge	33	-	-	-	1	-	-	-	-	-	-	-	5	27
Balance of County	145	-	4	-	1	1	7	-	3	-	3	3	5	118
EMMET	77	-	26	-	-	8	19	-	-	-	5	3	5	11
Petoskey	37	-	10	-	-	-	9	-	-	-	3	3	1	11
Balance of County	40	-	16	-	-	8	10	-	-	-	2	-	4	-
GENESEE	3,688	1	427	-	67	50	44	29	23	-	118	121	481	2,327
Flint	1,536	-	264	-	22	36	28	27	12	-	101	108	436	502
Fenton	342	-	-	-	-	-	-	-	-	-	2	1	4	335
Mount Morris	11	-	-	-	-	-	-	-	-	-	2	2	7	-
Balance of County	1,799	1	163	-	45	14	16	2	11	-	13	10	34	1,490
GLADWIN	5	-	-	-	-	-	2	-	-	-	1	-	-	2
GOGEBIC	106	-	4	-	-	-	5	-	4	-	27	8	2	56
Ironwood	66	-	4	-	-	-	1	-	2	-	19	7	-	33
Bessemer	11	-	-	-	-	-	-	-	2	-	1	-	-	8
Wakefield	20	-	-	-	-	-	-	-	-	-	4	-	1	15
Balance of County	9	-	-	-	-	-	4	-	-	-	3	1	1	-
GRAND TRAVERSE	173	-	1	-	-	2	4	-	1	-	17	8	5	135
Traverse City	82	-	-	-	-	-	-	-	-	-	9	6	3	64
Balance of County	91	-	1	-	-	2	4	-	1	-	8	2	2	71
GRATIOT	273	-	25	-	11	-	22	-	-	-	2	9	4	200
Alma	217	-	19	-	10	-	-	-	-	-	1	5	3	179
St. Louis	12	-	-	-	-	-	1	-	-	-	-	-	-	11
Balance of County	44	-	6	-	1	-	21	-	-	-	1	4	1	10
HILLSDALE	223	-	59	-	15	2	4	-	2	-	1	2	-	138
Hillsdale	67	-	2	-	-	1	2	-	-	-	-	-	-	62
Balance of County	156	-	57	-	15	1	2	-	2	-	1	2	-	76
HOUGHTON	54	-	-	-	-	-	3	-	-	-	35	11	2	3
Hancock	10	-	-	-	-	-	-	-	-	-	6	2	-	2
Houghton	5	-	-	-	-	-	-	-	-	-	3	2	-	-
Laurium	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Balance of County	38	-	-	-	-	-	3	-	-	-	25	7	2	1
HURON	20	-	-	-	-	-	-	-	2	1	9	5	2	1
Bad Axe	3	-	-	-	-	-	-	-	-	-	1	1	1	-
Balance of County	17	-	-	-	-	-	-	-	2	1	8	4	1	1
INGHAM	6,806	-	759	-	72	28	36	-	12	-	54	61	216	5,568
Lansing	4,257	-	287	-	55	23	28	-	8	-	43	48	193	3,572
East Lansing	864	-	139	-	5	-	1	-	4	-	4	3	13	695
Mason	29	-	2	-	-	-	2	-	-	-	-	1	1	23
Balance of County	1,656	-	331	-	12	5	5	-	-	-	7	9	9	1,278
IONIA	215	-	-	-	-	1	2	-	-	-	8	19	5	180
Belding	176	-	-	-	-	-	-	-	-	-	-	1	-	175
Ionia	19	-	-	-	-	-	-	-	-	-	4	13	2	-
Portland	4	-	-	-	-	-	-	-	-	-	-	-	-	4
Balance of County	16	-	-	-	-	1	2	-	-	-	4	5	3	1
IOSCO	15	-	-	-	-	-	-	-	-	-	1	10	-	4
IRON	37	-	-	-	-	-	4	1	-	-	25	1	-	6
Iron River	10	-	-	-	-	-	1	-	-	-	7	1	-	1
Balance of County	27	-	-	-	-	-	3	1	-	-	18	-	-	5
ISABELLA	198	-	6	-	-	7	18	-	-	-	6	13	2	146
Mount Pleasant	178	-	6	-	-	7	7	-	-	-	4	8	1	145
Balance of County	20	-	-	-	-	-	11	-	-	-	2	5	1	1

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE (Continued)

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Polio-myelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhoea	All other diseases*
JACKSON	1,016	-	323	-	3	7	13	2	6	-	55	46	59	502
Jackson	758	-	245	-	1	4	7	-	5	-	29	36	45	386
Balance of County	258	-	78	-	2	3	6	2	1	-	26	10	14	116
KALAMAZOO	4,094	-	149	-	33	6	17	-	10	-	74	31	201	3,573
Kalamazoo	1,938	-	68	-	14	6	12	-	4	-	67	24	192	1,551
Balance of County	2,156	-	81	-	19	-	5	-	6	-	7	7	9	2,022
KALKASKA	36	-	-	-	-	-	3	-	-	-	1	1	1	30
KENT	4,951	2	495	-	133	26	63	10	12	1	108	119	579	3,403
Grand Rapids	2,863	2	154	-	97	14	26	2	7	-	81	99	541	1,840
East Grand Rapids	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Balance of County	2,087	-	341	-	36	12	37	8	5	1	26	20	38	1,563
KEWEENAW	3	-	-	-	-	-	-	-	-	-	2	-	-	1
LAKE	9	-	-	-	-	-	1	-	-	-	3	2	2	1
LAPEER	2,334	-	1	-	-	13	13	-	1	-	5	3	2	2,296
Lapeer	2,312	-	1	-	-	13	6	-	1	-	1	2	-	2,288
Balance of County	22	-	-	-	-	-	7	-	-	-	4	1	2	8
LEELANAU	23	-	1	-	-	-	-	-	2	-	8	1	3	8
LENAWEE	18,473	2	10	-	2	2	21	2	-	-	67	25	12	18,330
Adrian	2,487	1	2	-	2	-	8	-	-	-	35	8	5	2,426
Hudson	6	-	-	-	-	-	-	-	-	-	4	1	1	-
Tecumseh	5,339	-	-	-	-	-	-	-	-	-	3	3	3	5,330
Balance of County	10,641	1	8	-	-	2	13	2	-	-	25	13	3	10,574
LIVINGSTON	39	-	-	-	-	-	14	-	-	1	15	3	3	3
Howell	3	-	-	-	-	-	-	-	-	-	1	1	1	-
Balance of County	36	-	-	-	-	-	14	-	-	1	14	2	2	3
LUCE	13	-	-	-	-	-	2	-	-	-	-	3	-	8
Newberry	9	-	-	-	-	-	2	-	-	-	-	3	-	4
Balance of County	4	-	-	-	-	-	-	-	-	-	-	-	-	4
MACKINAC	169	-	1	-	-	-	9	-	-	-	3	3	3	150
St. Ignace	104	-	1	-	-	-	3	-	-	-	-	1	-	99
Balance of County	65	-	-	-	-	-	6	-	-	-	3	2	3	51
MACOMB	4,981	-	443	-	16	19	34	5	29	1	354	41	30	4,009
East Detroit	357	-	47	-	-	1	-	-	6	-	54	8	5	236
Mount Clemens	383	-	25	-	5	4	1	3	-	-	74	8	4	259
Roseville	653	-	139	-	3	2	4	1	1	-	51	4	1	447
St. Clair Shores	554	-	105	-	2	1	6	-	12	-	36	7	2	383
Centerline	201	-	9	-	-	-	5	-	-	-	24	-	2	161
Romeo	101	-	1	-	1	-	2	-	-	1	8	-	2	86
Balance of County	2,732	-	117	-	5	11	16	1	10	-	107	14	14	2,437
MANISTEE	214	-	5	-	3	-	9	-	-	-	8	-	2	187
Manistee	156	-	-	-	2	-	5	-	-	-	3	-	1	145
Balance of County	58	-	5	-	1	-	4	-	-	-	5	-	1	42
MARQUETTE	859	-	53	-	-	-	20	-	11	-	47	9	-	719
Marquette	591	-	47	-	-	-	7	-	7	-	13	3	-	514
Ishpeming	221	-	4	-	-	-	3	-	2	-	12	2	-	198
Negaunee	14	-	-	-	-	-	5	-	-	-	7	2	-	-
Balance of County	33	-	2	-	-	-	5	-	2	-	15	2	-	7
MASON	119	-	7	-	-	2	5	1	10	-	6	8	-	80
Ludington	69	-	2	-	-	-	1	-	8	-	5	5	-	48
Balance of County	50	-	5	-	-	2	4	1	2	-	1	3	-	32
MECOSTA	226	-	21	-	1	10	6	1	1	-	10	5	2	169
Big Rapids	134	-	6	-	-	6	-	1	1	-	6	-	-	114
Balance of County	92	-	15	-	1	4	6	-	-	-	4	5	2	55
MENOMINEE	82	-	5	-	-	-	6	-	-	-	17	-	1	53
Menominee	31	-	1	-	-	-	1	-	-	-	3	-	1	25
Balance of County	51	-	4	-	-	-	5	-	-	-	14	-	-	28
MIDLAND	2,666	-	81	1	8	9	2	-	2	-	8	7	4	2,544
Midland	1,442	-	32	-	-	4	2	-	1	-	7	4	2	1,390
Balance of County	1,224	-	49	1	8	5	-	-	1	-	1	3	2	1,154
MISSAUKEE	11	-	3	1	-	-	-	-	-	-	1	1	1	4

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE (Continued)

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
MONROE	1,619	-	24	-	7	6	40	2	10	-	50	18	12	1,450
Monroe	222	-	3	-	1	-	14	1	5	-	29	9	4	156
Milan (Part)	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Balance of County	1,396	-	21	-	6	6	26	1	5	-	20	9	8	1,294
MONTICALEM	34	-	1	-	-	-	7	-	-	-	2	9	3	12
Greenville	3	-	-	-	-	-	-	-	-	-	1	1	1	-
Balance of County	31	-	1	-	-	-	7	-	-	-	1	8	2	12
MONTMORENCY	16	-	10	-	-	-	-	-	-	-	-	-	-	6
MUSKEGON	4,560	-	75	1	29	29	25	5	11	-	63	109	333	3,880
Muskegon	1,731	-	15	1	11	6	14	5	2	-	31	70	168	1,408
Muskegon Heights	773	-	11	-	1	3	2	-	1	-	17	27	140	571
Balance of County	2,056	-	49	-	17	20	9	-	8	-	15	12	25	1,901
NEWAYGO	151	-	30	-	1	12	8	-	-	-	8	7	2	83
Fremont	10	-	-	-	-	-	-	-	-	-	3	3	1	3
Balance of County	141	-	30	-	1	12	8	-	-	-	5	4	1	80
OAKLAND	8,936	-	772	4	74	27	76	21	27	-	315	118	287	7,215
Pontiac	1,671	-	139	-	22	5	8	5	7	-	60	39	156	1,230
Ferndale	801	-	40	-	1	-	5	3	1	-	25	16	29	681
Royal Oak	260	-	1	-	1	1	13	1	2	-	42	14	9	176
Berkley	124	-	1	1	-	-	1	2	-	-	9	2	1	107
Birmingham	1,158	-	75	-	4	3	2	-	1	-	11	3	1	1,058
Hazel Park	33	-	-	-	-	-	-	-	-	-	17	8	8	-
Clawson	33	-	-	-	-	-	1	-	1	-	3	2	4	22
Holly	7	-	-	-	-	-	-	-	-	-	5	-	2	-
Huntington Woods	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northville (Part)	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Oak Park	13	-	-	-	-	-	-	-	-	-	11	1	1	-
Pleasant Ridge	78	-	3	-	-	-	-	-	-	-	3	-	1	71
Rochester	40	-	2	-	-	-	3	-	-	-	9	2	3	21
Balance of County	4,717	-	511	3	46	18	43	10	15	-	119	31	72	3,849
OCEANA	30	-	2	-	-	4	1	-	4	-	7	3	2	7
OGEMAW	12	-	-	-	-	-	1	-	-	-	1	7	-	3
ONTONAGON	17	-	-	-	-	-	5	-	-	-	6	1	4	1
OSCEOLA	230	-	9	-	-	1	4	-	-	-	5	4	-	207
OSCODA	7	-	-	-	-	-	-	-	-	-	1	3	-	3
OTSEGO	27	-	-	-	-	11	-	1	-	-	2	1	-	12
OTTAWA	1,842	-	114	-	25	3	7	-	7	-	10	11	26	1,639
Holland	453	-	27	-	14	2	-	-	-	-	5	6	6	393
Grand Haven	670	-	20	-	-	1	2	-	-	-	3	1	8	635
Zeeland	32	-	8	-	3	-	-	-	-	-	-	-	1	20
Balance of County	687	-	59	-	8	-	5	-	7	-	2	4	11	591
PRESQUE ISLE	37	-	3	-	-	-	1	-	-	-	8	2	-	23
Rogers City	5	-	-	-	-	-	-	-	-	-	3	1	-	1
Balance of County	32	-	3	-	-	-	1	-	-	-	5	1	-	22
ROSCOMMON	40	-	-	-	-	-	3	-	-	-	2	2	1	32
SAGINAW	2,644	-	276	-	12	6	14	2	6	-	71	178	122	1,957
Saginaw	1,735	-	60	-	6	1	5	1	6	-	58	171	121	1,306
Balance of County	909	-	216	-	6	5	9	1	-	-	13	7	1	651
ST. CLAIR	1,224	3	484	-	27	39	8	-	-	1	31	23	21	587
Port Huron	932	2	399	-	15	1	2	-	-	-	19	16	15	463
Algonac	3	-	-	-	-	-	-	-	-	-	3	-	-	-
Marine City	32	-	-	-	-	15	-	-	-	-	1	1	2	13
Marysville	1	-	-	-	-	-	-	-	-	-	-	-	1	-
St. Clair	3	-	-	-	-	-	-	-	-	-	2	1	-	-
Balance of County	253	1	85	-	12	23	6	-	1	1	6	5	3	111
ST. JOSEPH	851	-	158	-	25	10	7	1	2	1	10	16	6	615
Sturgis	210	-	10	-	2	7	2	1	-	1	5	4	3	175
Three Rivers	95	-	12	-	1	-	-	-	1	-	-	5	2	74
Balance of County	546	-	136	-	22	3	5	-	1	-	5	7	1	366
SANILAC	81	-	-	-	14	-	2	-	-	-	10	5	4	46

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE (Continued)

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
SCHOOLCRAFT	48	-	-	-	-	-	-	-	-	-	7	1	-	40
Manistique	35	-	-	-	-	-	-	-	-	-	3	1	-	31
Balance of County	13	-	-	-	-	-	-	-	-	-	4	-	-	9
SHIAWASSEE	268	-	45	-	-	-	6	1	4	1	8	1	2	200
Owosso	6	-	-	-	-	-	-	-	2	-	2	1	1	-
Durand	3	-	-	-	-	-	-	-	-	-	3	-	-	-
Balance of County	259	-	45	-	-	-	6	1	2	1	3	-	1	200
TUSCOLA	137	-	-	-	-	33	9	-	-	-	15	14	6	60
Caro	76	-	-	-	-	32	-	-	-	-	1	4	-	39
Vassar	21	-	-	-	-	1	-	-	-	-	1	2	2	15
Balance of County	40	-	-	-	-	-	9	-	-	-	13	8	4	6
VAN BUREN	641	-	42	-	9	6	12	1	5	1	12	31	27	495
South Haven	54	-	3	-	-	-	-	-	1	-	-	8	14	28
Balance of County	587	-	39	-	9	6	12	1	4	1	12	23	13	467
WASHTENAW	2,298	-	37	1	13	22	29	2	2	-	52	112	79	1,949
Ann Arbor	994	-	8	-	4	2	13	-	-	-	22	21	14	910
Ypsilanti	206	-	3	-	6	1	4	-	-	-	13	22	51	106
Chelsea	4	-	-	-	-	-	-	-	-	-	2	2	-	-
Milan (Part)	50	-	-	-	-	-	-	-	-	-	1	48	1	-
Balance of County	1,044	-	26	1	3	19	12	2	2	-	14	19	13	933
WAYNE	36,361	122	1,779	3	537	129	478	81	251	3	2,969	2,955	5,596	21,458
Detroit	29,027	122	1,153	3	492	92	325	54	176	3	2,262	2,637	5,167	16,541
Dearborn	1,001	-	24	-	11	-	17	-	6	-	176	49	30	688
Hamtramck	273	-	7	-	6	-	3	-	4	-	36	25	26	166
Highland Park	235	-	19	-	2	1	4	-	2	-	49	19	21	118
**Lincoln Park	73	-	-	-	-	-	-	-	1	-	35	16	9	12
**Wyandotte	104	-	-	-	-	-	12	-	1	-	43	22	17	9
**Allen Park	35	-	-	-	-	-	-	-	-	-	22	5	8	-
**Ecorse	92	-	-	-	-	-	-	-	-	-	20	33	39	-
**Grosse Pte. Park	9	-	-	-	-	-	-	-	-	-	8	1	-	-
**Grosse Pte. Woods	3	-	-	-	-	-	-	-	-	-	2	1	-	-
**Inkster	250	-	-	-	-	-	1	-	-	-	60	40	149	-
**Livonia	47	-	-	-	-	-	-	-	-	-	31	4	12	-
**River Rouge	91	-	-	-	-	-	-	-	-	-	22	27	42	-
**Garden City	36	-	-	-	-	-	-	-	-	-	22	4	10	-
**Grosse Pointe	19	-	-	-	-	-	-	-	-	-	14	5	-	-
**Grosse Pte. Farms	1	-	-	-	-	-	-	-	-	-	1	-	-	-
**Melvindale	12	-	-	-	-	-	-	-	-	-	7	2	3	-
**Northville (Part)	7	-	-	-	-	-	-	-	-	-	2	4	1	-
**Plymouth	39	-	-	-	-	-	-	-	-	-	18	10	11	-
**Trenton	15	-	-	-	-	-	-	-	-	-	6	4	5	-
**Wayne	53	-	-	-	-	-	1	-	-	-	14	16	22	-
Balance of County	4,939	-	576	-	26	36	115	27	61	-	119	31	24	3,924
WEXFORD	695	-	20	-	12	-	4	-	2	1	1	2	5	648
Cadillac	284	-	4	-	-	-	1	-	-	-	1	1	2	275
Balance of County	411	-	16	-	12	-	3	-	2	1	-	1	3	373

*Includes:

Actinomycosis	1	Impetigo	942	Psittacosis	3
Blastomycosis	1	Infectious mononucleosis	113	Rabies in animals	28
Bites, animal	16,610	Influenza	25,503	Ringworm	1,833
Chickenpox	16,862	Leprosy	2	Rubella	2,216
Conjunctivitis (Kerato)	15	Measles	19,070	Salmonella infections	372
Diarrhea, epidemic (infants under 1 year)	170	Meningitis, influenzal	15	Scabies	96
Dysentery, amebic	143	Meningitis, other	27	Tetanus	6
Dysentery, bacillary	404	Mumps	9,629	Trichinosis	4
Encephalitis, infectious	84	Pediculosis	59	Tularemia	1
Erysipelas	53	Pink eye	188	Weil's disease	2

**Included in balance of county unless otherwise indicated.

TABLE 6B - NON-TRANSPORT ACCIDENTAL DEATHS BY PLACE OF ACCIDENT AND CAUSE
MICHIGAN, 1957

(By place of residence. Cause of death classified according to Sixth Revision of International List, 1948.)

PLACE OF ACCIDENT	TOTAL	N U M B E R											Other
		E870- E895 Poisoning	E900- E904 Falls	E910 Blow from falling object	E912 Machinery	E914 Electric current	E916 Fire and explosion	E917, E918 Hot substance, corrosive liquid, steam and radiation	E919 Firearm	E921, E922 Inhalation and ingestion of food or other object causing obstruc- tion or suffocation	E924, E925 Mechanical suffocation	E929 Drowning	
NON-TRANSPORT TOTAL	1,782	109	762	34	66	36	230	23	53	98	62	212	97
Home	827	66	367	6	2	11	189	17	24	59	49	11	26
Farm	80	3	9	10	30	2	5	-	10	-	1	4	6
Mine and quarry	25	-	2	5	6	-	-	-	1	-	-	11	-
Industrial place and premises	68	1	16	4	14	9	12	2	-	-	1	-	9
Place for recreation and sport	17	-	2	2	-	-	1	-	4	-	-	13	1
Street and highway	55	4	36	2	2	3	1	-	2	-	1	-	2
Public building	48	7	21	-	1	2	10	-	2	-	-	1	4
Resident institution	69	-	59	-	1	-	2	1	9	4	-	1	1
Other specified places	256	5	20	7	9	9	5	1	9	-	6	169	16
Place not specified	337	23	230	-	1	-	5	2	3	35	4	2	32
NON-TRANSPORT TOTAL	100	6.1	42.8	1.9	3.7	2.0	12.9	1.3	3.0	5.5	3.5	11.9	5.4
Home	100	8.0	44.4	0.7	0.2	1.3	22.9	2.1	2.9	7.1	5.9	1.3	3.2
Farm	100	3.8	11.3	12.5	37.5	2.5	6.2	0	12.5	0	1.2	5.0	7.5
Mine and quarry	100	0	8.0	20.0	24.0	0	0	0	4.0	0	0	44.0	0
Industrial place and premises	100	1.5	23.5	5.9	20.6	13.2	17.7	2.9	0	0	1.5	0	13.2
Place for recreation and sport	100	0	11.7	0	0	0	5.9	0	0	0	0	76.5	0
Street and highway	100	7.3	65.5	3.6	3.6	5.5	1.8	0	7.3	0	1.8	0	3.6
Public building	100	14.6	43.7	0	2.1	4.2	20.8	0	4.2	5.9	0	2.1	8.3
Resident institution	100	0	85.6	0	1.4	2.9	2.9	1.4	0	0	0	1.4	1.4
Other specified places	100	2.0	7.8	2.7	3.5	3.5	2.0	0.4	3.5	0	2.3	66.0	6.3
Place not specified	100	6.8	68.2	0	0.3	0	1.5	0.6	0.9	10.4	1.2	0.6	9.5

P E R C E N T

TABLE 6C - ACCIDENTAL DEATHS BY PLACE OF ACCIDENT AND LEADING CAUSES OF DEATH
MICHIGAN, 1957

(By place of residence. Cause of death classified according to Sixth Revision of International List, 1948.)

PLACE OF ACCIDENT AND LEADING CAUSES OF DEATH	Number	Percent	Percent of Total
GRAND TOTAL	3,643		100
TRANSPORT	1,832		50.3
MOTOR VEHICLE	1,680	100	46.1
OTHER TRANSPORT	152	100	4.2
Water transportation	81	53.3	
Air transportation	34	22.4	
Railroad	29	19.1	
Other road vehicle	8	5.2	
NON-TRANSPORT	1,782		48.9
HOME	827	100	22.7
Falls	367	44.4	
Fire & explosion of combustible material	189	22.9	
Poisoning	66	8.0	
Inhalation & ingestion of food or other objects causing obstruction or suffocation	59	7.1	
Mechanical suffocation	49	5.9	
Firearm	24	2.9	
Other	73	8.8	
FARM	80	100	2.2
Machinery	30	37.5	
Blow from falling object	10	12.5	
Firearm	10	12.5	
Falls	9	11.2	
Fire & explosion of combustible material	5	6.3	
Drowning	4	5.0	
Poisoning	3	3.8	
Other	9	11.2	
MINE AND QUARRY	25	100	0.7
Drowning	11	44.0	
Machinery	6	24.0	
Blow from falling object	5	20.0	
Falls	2	8.0	
Other	1	4.0	
INDUSTRIAL PLACE AND PREMISES	68	100	1.9
Falls	16	23.5	
Machinery	14	20.6	
Fire & explosion of combustible material	12	17.7	
Electric current	9	13.2	
Blow from falling object	4	5.9	
Other	13	19.1	
RECREATION AND SPORT	17	100	0.5
Drowning	13	76.4	
Falls	2	11.8	
Other	2	11.8	
STREET AND HIGHWAY	55	100	1.5
Falls	36	65.4	
Firearm	4	7.3	
Poisoning	4	7.3	
Electric current	3	5.5	
Blow from falling object	2	3.6	
Machinery	2	3.6	
Other	4	7.3	
PUBLIC BUILDING	48	100	1.3
Falls	21	43.8	
Fire & explosion of combustible material	10	20.8	
Poisoning	7	14.6	
Other	10	20.8	
RESIDENT INSTITUTION	69	100	1.9
Falls	59	85.5	
Inhalation & ingestion of food or other objects causing obstruction or suffocation	4	5.8	
Fire & explosion of combustible material	2	2.9	
Other	4	5.8	
OTHER SPECIFIED PLACES	256	100	7.0
Drowning	169	66.0	
Falls	20	7.8	
Electric current	9	3.5	
Firearm	9	3.5	
Machinery	9	3.5	
Blow from falling object	7	2.8	
Other	33	12.9	
PLACE NOT SPECIFIED	337	100	9.2
Falls	230	68.2	
Inhalation & ingestion of food or other objects causing obstruction or suffocation	35	10.4	
Poisoning	23	6.8	
Fire & explosion of combustible material	5	1.5	
Mechanical suffocation	4	1.2	
Other	40	11.9	
THERAPEUTIC MISADVENTURE AND LATE COMPLICATIONS, COMPLICATIONS OF NONTHERAPEUTIC PROCEDURES, LATE EFFECTS OF INJURY AND POISONING	29		0.8

TABLE 6D - ACCIDENTAL DEATHS BY PLACE OF ACCIDENT, AGE, AND CAUSE
MICHIGAN, 1957

(By place of residence. Cause of death classified according to Sixth Revision of International List, 1948.)

PLACE OF ACCIDENT AND AGE	ALL CAUSES	S E X		Poisoning E870- E895	Falls E900- E904	Blow from falling object E910	Machinery E912	Electric current E914	Fire and explosion E916	Hot substance, corrosive liquid, steam and radiation E917, E918	Firearm E919	Inhalation and ingestion of food or other object causing obstruc- tion or suffocation E921, E922	Mechanical suffocation E924, E925	Drowning E929	Other
		MALE	FEMALE												
NON-TRANSPORT TOTAL	1,782	1,160	622	109	762	34	66	36	230	23	53	98	62	212	97
HOME-ALL AGES	827	469	358	66	367	6	2	11	189	17	24	59	49	11	26
Under 1	101	63	38	-	4	-	-	-	8	-	-	43	5	1	2
1 - 4	106	66	40	10	8	3	-	2	44	12	2	10	4	6	
5 - 14	52	29	23	1	6	-	-	2	30	-	8	1	1	3	
15 - 24	19	16	3	4	1	-	-	-	5	-	7	-	1	1	
25 - 44	73	54	19	23	17	-	-	5	15	-	5	-	-	5	
45 - 64	131	84	47	21	53	2	1	1	43	2	3	3	3	2	
65 & Over	345	157	188	7	278	1	1	1	44	3	2	-	-	7	
FARM-ALL AGES	80	74	6	3	9	10	30	2	5	-	10	-	1	4	6
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	4	2	2	-	-	1	-	1	-	-	-	-	-	2	-
5 - 14	8	6	2	-	2	-	-	-	2	-	1	-	1	1	1
15 - 24	13	12	1	1	-	2	5	1	1	-	2	-	-	1	1
25 - 44	7	6	1	-	-	1	4	-	-	-	1	-	-	-	1
45 - 64	26	26	-	2	4	4	8	-	2	-	5	-	-	3	3
65 & Over	22	22	-	-	5	2	13	-	-	-	1	-	-	-	1
MINE & QUARRY-ALL AGES	25	24	1	-	2	5	6	-	-	-	1	-	-	11	-
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-
5 - 14	3	2	1	-	-	-	-	-	-	-	-	-	-	3	-
15 - 24	5	5	-	-	-	-	1	-	-	-	-	-	-	4	-
25 - 44	7	7	-	-	1	2	3	-	-	-	-	-	-	1	-
45 - 64	9	9	-	-	1	3	2	-	-	-	1	-	-	2	-
65 & Over	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDUSTRIAL PLACE & PREMISES-ALL AGES	68	67	1	1	16	4	14	9	12	2	-	-	1	-	9
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 - 24	10	10	-	-	-	-	4	1	3	-	-	-	1	-	1
25 - 44	20	20	-	-	8	1	2	5	1	1	-	-	-	-	6
45 - 64	34	33	1	1	6	2	7	3	8	1	-	-	-	-	
65 & Over	4	4	-	-	2	1	1	-	-	-	-	-	-	-	
PLACE FOR RECREATION & SPORT-ALL AGES	17	15	2	-	2	-	-	-	1	-	-	-	-	13	1
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-
5 - 14	4	3	1	-	-	-	-	-	-	-	-	-	-	4	-
15 - 24	5	5	-	-	1	-	-	-	-	-	-	-	-	4	-
25 - 44	3	2	1	-	1	-	-	-	-	-	-	-	-	2	-
45 - 64	2	2	-	-	-	-	-	-	-	-	-	-	-	1	-
65 & Over	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-
STREET & HIGHWAY-ALL AGES	55	46	9	4	36	2	2	3	1	-	4	-	1	-	2
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-
15 - 24	4	2	2	2	1	-	-	-	-	-	-	-	1	-	
25 - 44	8	7	1	1	2	1	1	1	-	-	2	-	-	-	
45 - 64	16	13	3	-	10	1	-	2	1	-	1	-	-	1	
65 & Over	26	23	3	1	23	-	1	-	-	-	-	-	-	1	
PUBLIC BUILDING-ALL AGES	48	39	9	7	21	-	1	2	10	-	2	-	-	1	4
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14	5	4	1	1	1	-	-	-	2	-	-	-	-	1	-
15 - 24	11	8	3	3	1	-	1	-	3	-	1	-	-	-	2
25 - 44	9	7	2	2	3	-	-	1	3	-	-	-	-	-	
45 - 64	14	13	1	1	9	-	-	1	1	-	1	-	-	1	
65 & Over	9	7	2	-	7	-	-	-	1	-	-	-	-	1	
RESIDENT INSTITUTION-ALL AGES	69	38	31	-	59	-	1	-	2	1	-	4	-	1	1
Under 1	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 - 44	3	2	1	-	1	-	1	-	-	-	-	1	-	-	
45 - 64	12	10	2	-	8	-	-	-	1	1	-	1	-	1	
65 & Over	53	25	28	-	50	-	-	-	1	-	-	1	-	1	
OTHER SPECIFIED PLACES-ALL AGES	256	225	31	5	20	7	9	9	5	1	9	-	6	169	16
Under 1	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-
1 - 4	21	16	5	-	-	1	-	1	1	-	-	-	-	18	-
5 - 14	46	36	10	-	-	-	-	-	-	-	-	-	1	43	1
15 - 24	40	38	2	-	4	1	1	3	-	-	4	-	1	26	-
25 - 44	66	61	5	5	5	2	3	3	1	-	2	-	3	36	6
45 - 64	53	50	3	-	5	2	4	2	2	1	3	-	-	31	3
65 & Over*	29	24	5	-	6	-	1	-	1	-	-	-	-	15	6
PLACE NOT SPECIFIED-ALL AGES	337	163	174	23	230	-	1	-	5	2	3	35	4	2	32
Under 1	27	18	9	4	1	-	-	-	-	-	-	16	4	-	2
1 - 4	14	9	5	6	-	-	-	-	1	-	-	5	-	1	1
5 - 14	7	3	4	-	3	-	-	-	1	-	-	2	-	-	1
15 - 24	3	3	-	-	-	-	-	-	-	-	1	-	-	-	2
25 - 44	19	13	6	6	6	-	-	-	1	-	1	3	-	-	2
45 - 64	39	28	11	3	23	-	1	-	-	1	1	3	-	-	7
65 & Over*	228	89	139	4	197	-	-	-	2	1	-	6	-	1	17

* Includes 1 with age not stated.

TABLE 6E - ACCIDENTAL DEATHS BY CAUSE AND COUNTY OF RESIDENCE
MICHIGAN, 1957

(By place of residence. Cause of death classified according to Sixth Revision of International List, 1948, Intermediate List of 150 Causes.)

COUNTY	TOTAL		Motor vehicle accidents AE138	Other transport accidents AE139	Accidental poisoning AE140	Accidental falls AE141	Accident caused by machinery AE142	Accident caused by fire & explosion of combustible material AE143	Accident caused by hot substance, corrosive liquid, steam & radiation AE144	Accident caused by firearm AE145	Accidental drowning & submersion AE146	Other accidental causes excluding late effects of violence AE147.4*
	Number	Rate										
STATE	3,643	46.7	1,680	152	109	762	66	230	23	53	212	356
Alcona	2	33.6	2	-	-	-	-	-	-	-	-	-
Alger	8	83.6	4	-	-	1	-	-	-	-	1	2
Allegan	34	55.5	17	5	2	3	-	1	-	1	2	3
Alpena	21	80.5	11	-	-	3	1	3	-	1	1	1
Antrim	6	54.6	2	-	-	1	1	1	-	-	-	-
Arenac	10	102.4	6	-	-	3	-	-	-	-	1	-
Baraga	6	98.8	2	-	-	-	-	1	-	1	1	1
Barry	19	58.6	6	-	-	7	2	1	-	-	1	2
Bay	35	33.9	12	1	2	11	-	1	-	1	2	5
Benzie	6	74.5	4	-	-	1	-	-	-	1	-	-
Berrien	81	53.4	29	5	6	15	3	10	-	1	6	6
Branch	20	51.6	14	-	2	3	1	-	-	-	-	-
Calhoun	68	49.5	30	2	1	18	-	2	-	3	4	8
Cass	22	63.3	13	2	1	4	1	-	-	-	-	1
Charlevoix	15	109.1	6	3	-	2	-	2	-	-	2	-
Cheboygan	13	96.1	5	7	-	5	1	1	-	-	-	1
Chippewa	27	84.5	15	4	2	3	-	2	-	1	-	-
Clare	10	86.1	7	-	-	-	-	-	-	-	-	-
Clinton	23	66.4	9	-	-	7	3	1	-	-	-	2
Crawford	3	65.1	3	-	-	-	-	-	-	-	-	3
Delta	24	75.2	11	2	-	8	-	1	-	-	-	2
Dickinson	14	61.3	5	1	-	1	-	2	-	1	2	1
Eaton	29	57.7	20	1	-	2	1	2	-	-	-	3
Emmet	5	32.3	2	-	-	3	-	-	-	-	-	-
Genesee	144	39.7	72	2	4	23	2	14	-	1	8	18
Gladwin	6	61.2	4	-	1	-	-	-	-	-	1	-
Gogebic	12	45.8	4	-	-	5	-	-	-	-	1	2
Grand Traverse	14	42.3	7	1	-	3	-	-	-	-	1	2
Gratiot	20	56.9	12	4	-	4	-	-	-	-	-	-
Hillsdale	19	58.6	9	1	2	2	-	1	-	-	-	4
Houghton	31	92.3	4	1	-	12	1	1	-	-	7	5
Huron	29	81.2	15	1	-	4	-	4	-	-	1	4
Ingham	88	41.0	49	5	-	16	-	6	-	2	3	7
Ionia	25	60.2	12	1	-	6	-	1	1	1	-	3
Iosco	8	50.1	3	1	-	2	-	-	-	1	1	-
Iron	18	95.9	12	-	-	2	-	-	-	-	-	4
Isabella	17	56.2	12	2	1	1	-	-	-	-	-	1
Jackson	60	46.1	22	3	1	19	1	2	-	1	3	8
Kalamazoo	57	37.2	24	2	4	20	-	2	-	-	-	5
Kalkaska	4	96.9	1	1	-	1	-	1	-	-	-	-
Kent	172	49.6	78	7	6	43	2	6	1	-	13	16
Keeweenaw	3	119.5	-	-	-	2	-	-	-	-	1	-
Lake	5	102.2	1	1	-	-	-	2	-	-	1	-
Lapeer	24	51.5	13	-	1	2	4	2	-	1	-	1
Leelanau	5	54.5	1	-	-	1	-	-	-	-	1	2
Lenawee	49	59.0	29	2	1	7	1	2	2	-	3	2
Livingston	17	47.1	8	-	-	4	1	-	-	1	-	3
Luce	3	40.4	2	-	-	-	-	-	-	-	1	-
Mackinac	16	158.1	4	-	-	1	-	9	-	-	2	-
Macomb	109	30.9	51	6	5	12	-	7	-	4	9	15
Manistee	14	71.1	3	-	-	6	-	-	-	-	1	4
Marquette	37	72.2	13	-	2	8	3	1	-	2	3	5
Mason	14	62.0	7	-	2	3	-	-	-	-	1	1
Mecosta	13	69.9	3	-	-	5	1	-	-	-	2	2
Menominee	14	53.6	5	-	1	3	-	2	-	-	2	1
Midland	20	43.5	10	2	-	2	1	-	-	-	-	3
Missaukee	3	41.0	1	-	-	1	-	-	-	-	-	1
Monroe	53	54.1	23	3	-	11	2	6	-	2	1	5
Montcalm	28	74.2	16	2	-	5	1	-	-	-	1	3
Montmorency	6	140.5	3	1	-	1	1	-	-	-	-	-
Muskegon	82	55.6	35	6	3	13	2	8	1	2	4	8
Newaygo	16	62.6	7	-	-	6	-	-	1	-	1	1
Oakland	238	37.3	127	6	8	40	4	13	1	5	14	20
Oceana	10	62.5	5	-	1	1	-	-	-	1	2	-
Ogemaw	3	33.1	2	-	-	1	-	-	-	-	-	-
Ontonagon	8	76.4	1	-	-	4	1	1	-	-	-	1
Osceola	14	104.5	5	1	-	5	-	-	-	1	1	1
Oscoda	4	127.8	1	1	-	-	-	-	-	-	-	1
Otsego	19	269.5	10	3	-	5	-	-	-	-	-	1
Ottawa	42	44.6	24	1	-	9	-	1	-	1	3	3
Presque Isle	8	63.9	5	-	-	1	-	-	-	-	-	2
Roscommon	6	88.1	2	-	-	2	-	-	-	-	-	-
Saginaw	111	60.5	48	4	4	27	3	7	3	1	8	6
St. Clair	73	73.2	36	1	2	18	1	2	-	1	6	6
St. Joseph	24	51.3	15	1	-	4	-	1	-	-	-	3
Sanilac	26	76.4	18	-	-	3	-	2	-	-	1	2
Schoolcraft	5	58.0	3	-	-	1	-	-	-	1	-	-
Shiawassee	32	56.7	14	2	-	9	-	3	-	-	2	2
Tuscola	31	68.3	14	-	-	5	3	4	-	1	2	2
Van Buren	28	52.6	14	2	1	4	-	2	-	1	3	1
Washtenaw	57	36.5	28	2	3	15	-	5	-	-	2	2
Wayne	1,130	39.7	489	46	39	248	16	76	11	10	69	126
Wexford	18	99.6	7	1	1	3	-	3	-	-	3	-

* Code number used by Michigan Department of Health for further subdivision of cause AE147 to make it possible to exclude late effects of violence from the accident total.

TABLE 7A - DEATHS BY INTERMEDIATE LIST OF CAUSES, SEX, AND AGE (Continued)

CAUSE OF DEATH	Int. List No.	Total	Sex		AGE IN YEARS																			90 and Over	Not Stated																																																																									
			Number	Rate	Male	Female	Under 1 Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
								Vascular lesions affecting central nervous system	A 70	7,632	97.8	3,815	3,817	5	10	15	19	24	29	34	39	44	49			54	59	64	69	74	79	84	89	90 and Over	Not Stated																																																															
Nonmeningococcal meningitis	A 71	99	1.3	60	39	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Multiple sclerosis	A 72	88	1.1	42	46	4	8	7	6	7	4	3	9	9	7	7	5	10	10	8	4	2	90 and Over	Not Stated																																																																										
Epilepsy	A 73	83	1.1	52	31	4	8	7	6	7	4	3	9	9	7	7	5	10	10	8	4	2	90 and Over	Not Stated																																																																										
Otitis media and mastoiditis	A 77	19	0.2	10	9	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
All other diseases of the nervous system and sense organs	A 78	324	4.2	182	142	17	27	12	2	5	6	4	7	6	8	20	18	13	34	46	33	30	90 and Over	Not Stated																																																																										
Rheumatic fever	A 79	37	0.5	28	9	5	5	2	8	2	1	2	2	2	2	2	2	1	1	1	1	1	90 and Over	Not Stated																																																																										
HEART DISEASE, ALL FORMS	A 80-A 83	25,369	325.1	15,507	9,862	17	10	7	8	9	26	63	110	262	517	887	1,454	1,967	2,921	3,604	3,863	3,581	90 and Over	Not Stated																																																																										
Chronic rheumatic heart disease	A 80	951	12.2	485	466	17	10	7	8	9	26	63	110	262	517	887	1,454	1,967	2,921	3,604	3,863	3,581	90 and Over	Not Stated																																																																										
Arteriosclerotic and degenerative heart disease	A 81	21,042	269.7	13,369	7,673	5	6	3	1	2	6	21	63	168	392	698	1,147	1,626	2,438	3,012	3,274	3,022	90 and Over	Not Stated																																																																										
420 Arteriosclerotic heart disease including coronary disease	A 81	18,729	240.0	12,213	6,516	2	1	1	1	1	5	17	61	161	376	673	1,095	1,556	2,306	2,802	2,942	2,601	90 and Over	Not Stated																																																																										
421-422 Nonrheumatic chronic endocarditis & other myocardial degeneration	A 81	2,313	29.6	1,156	1,157	3	6	2	1	1	4	7	8	12	25	52	70	132	210	332	421	465	90 and Over	Not Stated																																																																										
Other diseases of heart	A 82	953	12.2	544	409	12	3	3	4	1	4	7	8	12	25	52	70	132	210	332	421	465	90 and Over	Not Stated																																																																										
Hypertension with heart disease	A 83	2,423	31.1	1,109	1,314	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Hypertension without mention of heart disease	A 84	410	5.3	194	216	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Diseases of arteries	A 85	1,688	21.6	953	735	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
450 General arteriosclerosis	A 85	1,248	16.0	638	610	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
451-456 Other diseases of arteries	A 85	440	5.6	315	125	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Other diseases of circulatory system	A 86	172	2.2	91	81	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Acute upper respiratory infections	A 87	46	0.6	23	23	20	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Influenza	A 88	192	2.5	110	82	14	14	3	5	3	5	4	1	5	9	2	4	5	14	21	16	19	90 and Over	Not Stated																																																																										
PNEUMONIA, ALL FORMS	A 89-A 91	2,045	26.2	1,261	784	356	106	21	16	11	19	15	32	38	58	61	73	119	132	176	193	224	90 and Over	Not Stated																																																																										
Lobar pneumonia	A 89	559	7.2	384	175	41	18	6	2	5	6	2	8	19	15	24	20	32	48	40	54	60	90 and Over	Not Stated																																																																										
Bronchopneumonia	A 90	951	12.2	564	387	173	52	11	8	4	6	2	7	5	6	9	13	12	18	34	31	38	90 and Over	Not Stated																																																																										
Primary atypical, other and unspecified pneumonias	A 91	535	6.9	313	222	142	36	4	6	2	7	5	6	9	13	12	18	34	31	38	46	46	90 and Over	Not Stated																																																																										
Acute bronchitis	A 92	57	0.7	38	19	34	3	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Bronchitis, chronic and unqualified	A 93	101	1.3	69	32	14	7	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Hypertrophy of tonsils and adenoids	A 94	11	0.1	6	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Erysipelas and abscess of lung	A 95	23	0.3	17	6	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Pleurisy	A 96	6	0.1	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
All other respiratory diseases	A 97	610	7.8	473	137	91	7	3	2	3	2	3	5	4	14	14	32	47	79	94	84	53	90 and Over	Not Stated																																																																										
Diseases of teeth and supporting structures	A 98	4	0.1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Ulcer of stomach	A 99	242	3.1	189	53	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Ulcer of duodenum	A 100	227	2.9	177	50	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Gastritis and duodenitis	A 101	12	0.2	10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Appendicitis	A 102	93	1.2	59	34	2	2	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Intestinal obstruction and hernia	A 103	363	4.7	181	182	58	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Gastro-enteritis and colitis, except diarrhea of the newborn	A 104	297	3.8	153	144	89	27	3	4	3	5	5	5	5	6	7	13	13	17	21	27	12	90 and Over	Not Stated																																																																										
Cirrhosis of liver	A 105	861	11.0	569	292	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Cholelithiasis and cholecystitis	A 106	262	3.4	99	163	17	7	6	2	5	1	7	19	14	19	20	23	38	34	44	32	37	90 and Over	Not Stated																																																																										
Other diseases of digestive system	A 107	379	4.9	230	149	17	7	6	2	5	1	7	19	14	19	20	23	38	34	44	32	37	90 and Over	Not Stated																																																																										
NEPHRITIS & NEPHROSIS, ALL FORMS	A 108-A 109	671	8.6	371	300	2	2	5	15	9	14	15	17	25	31	40	39	58	75	70	73	75	90 and Over	Not Stated																																																																										
Acute nephritis	A 108	37	0.5	20	17	1	1	1	1	2	1	1	1	1	1	2	4	5	2	4	3	3	90 and Over	Not Stated																																																																										
Chronic, other and unspecified nephritis	A 109	634	8.1	351	283	1	2	4	14	7	14	14	16	24	29	40	35	53	73	66	70	72	90 and Over	Not Stated																																																																										
591 Nephritis with edema, including nephrosis	A 109	44	0.6	25	19	2	2	1	3	1	1	2	3	6	2	3	3	4	5	1	4	2	90 and Over	Not Stated																																																																										
592-594 Chronic & unspecified nephritis & other renal sclerosis	A 109	590	7.6	326	264	1	3	11	6	13	12	13	13	18	29	38	32	50	69	61	69	68	90 and Over	Not Stated																																																																										
Infections of kidney	A 110	207	2.7	99	108	2	2	1	1	1	6	6	2	10	8	11	14	22	24	26	30	20	90 and Over	Not Stated																																																																										
Calculi of urinary system	A 111	38	0.5	24	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Hyperplasia of prostate	A 112	208	2.7	208	61	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Other diseases of genito-urinary system	A 114	119	1.5	58	61	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
MATERNAL DEATHS, ALL FORMS	A 115-A 120	79	1.0	79	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Sepsis of pregnancy, childbirth and puerperium	A 115	13	0.2	13	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Toxemia of pregnancy and the puerperium	A 116	19	0.2	19	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Hemorrhage of pregnancy and childbirth	A 117	7	0.1	7	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Abortion without mention of sepsis or toxemia	A 118	5	0.1	5	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Abortion with sepsis	A 119	3	0.0	3	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Other complications of pregnancy, childbirth and the puerperium	A 120	32	0.4	32	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Infections of skin and subcutaneous tissue	A 121	17	0.2	8	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Arthritis and spondylitis	A 122	55	0.7	16	39	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	90 and Over	Not Stated																																																																										
Muscular rheumatism and rheumatism unspecified	A 123	1	0.0	1	0																																																																																													

TABLE 7A - DEATHS BY INTERMEDIATE LIST OF CAUSES, SEX, AND AGE (Continued)

CAUSE OF DEATH	Int. List No.	Total	Sex		AGE IN YEARS																			90 and Over	Not Stated		
			Number	Rate	Male	Female	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80			85	
							Under 1 Year	4	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79			84	89
Ankylosis and acquired musculoskeletal deformities	A 125	4	0.1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other diseases of skin and musculoskeletal system	A 126	74	0.9	37	37	6	1	5	4	1	3	1	3	5	7	5	3	12	4	4	6	5	2	-	-	-	
CONGENITAL MALFORMATIONS, ALL FORMS	A 127-A 129	1,048	13.4	537	511	760	117	20	18	11	8	4	12	14	8	12	16	14	9	-	-	3	3	1	-	-	-
Spina bifida and meningocele	A 127	83	1.1	32	51	72	8	1	1	1	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	
Congenital malformations of circulatory system	A 128	508	6.5	261	247	369	67	11	7	7	6	1	4	5	4	5	6	6	4	-	-	1	1	-	-	-	
All other congenital malformations	A 129	457	5.9	244	213	319	42	8	10	3	2	3	8	9	4	7	6	10	5	-	-	2	3	1	-	-	
Birth injuries	A 130	607	7.8	371	236	605	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Postnatal asphyxia and atelectasis	A 131	831	10.6	492	339	830	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Infections of the newborn	A 132	188	2.4	108	80	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
763 Pneumonia of newborn		142	1.8	79	63	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
764 Diarrhea of newborn		17	0.2	12	5	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
765-768 Other infections of newborn		29	0.4	17	12	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hemolytic disease of newborn	A 133	135	1.7	71	64	135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other defined diseases of early infancy	A 134	68	0.9	40	28	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ill-defined diseases peculiar to early infancy, and immaturity unqualified	A 135	1,433	18.4	831	602	1,433	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
773 Ill-defined diseases		111	1.4	60	51	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
774-776 Immaturity		1,322	16.9	771	551	1,322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Senility without mention of psychosis	A 136	22	0.3	11	11	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ill-defined and unknown causes of mortality	A 137	143	1.8	100	43	21	1	1	1	2	3	5	2	5	3	5	9	8	15	15	13	7	15	7	11	6	
ACCIDENTS, ALL FORMS	AE138-AE146, AE147.4*	3,643	46.7	2,506	1,137	140	225	149	118	243	254	181	190	183	175	191	195	191	203	196	185	198	225	117	82	2	
Motor vehicle accidents	AE138	1,680	21.5	1,198	482	10	73	76	45	173	189	119	126	103	105	98	98	89	96	109	61	62	39	8	1	-	
Other transport accidents	AE139	152	1.9	134	18	-	5	11	9	8	16	8	11	21	11	9	13	7	6	7	5	-	4	1	-	-	
Accidental poisoning	AE140	109	1.4	82	27	4	16	2	-	4	6	7	10	10	10	8	4	4	4	6	4	4	3	1	-	-	
Accidental falls	AE141	762	9.8	389	373	5	8	6	6	4	4	10	9	10	15	19	25	39	34	53	87	98	159	94	77	-	
Accident caused by machinery	AE142	66	0.8	65	1	-	-	-	-	7	5	2	1	6	5	8	9	2	4	4	4	2	1	1	-	-	
Accident caused by fire and explosion of combustible material	AE143	230	2.9	145	85	8	47	24	11	4	8	5	5	7	4	7	15	22	14	10	10	12	14	3	-	-	
Accident caused by hot substance, corrosive liquid, steam, and radiation	AE144	23	0.3	12	11	-	12	-	-	-	1	-	-	-	-	3	-	1	2	2	2	2	-	2	-	-	
Accident caused by firearms	AE145	53	0.7	46	7	-	2	2	8	10	5	2	3	4	2	5	5	1	1	1	1	1	-	-	-	-	
Accidental drowning and submersion	AE146	212	2.7	179	33	1	26	24	29	23	12	12	11	7	10	15	9	7	8	7	8	3	-	-	-	-	
Other accidental causes excluding late effects of violence (Excl. E963, E964, E965)	AE147.4*	356	4.6	256	100	112	36	4	10	10	9	15	14	15	13	17	13	19	13	14	5	16	7	8	4	2	
Suicide and self-inflicted injury	AE148	683	8.8	538	145	-	-	-	5	6	27	42	52	47	74	63	77	76	76	46	46	24	15	5	2	-	
Homicide and injury purposely inflicted by other persons (not in war)	AE149	230	2.9	167	63	7	5	1	2	11	17	33	30	37	26	21	12	17	6	3	1	-	1	-	-	-	
Late effect of homicidal injury (E964)	AE147.2*	2	0.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Late effect of war injury (E965)	AE147.3*	2	0.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

*Code numbers used by Michigan Department of Health for further subdivisions of cause AE147 to make it possible to exclude late effects of violence from the accident total.

TABLE 78 - DEATHS BY DETAILED LIST OF CAUSES, SEX, AND AGE (Continued)

CAUSE OF DEATH	Int. List No.	Total	Sex		Under 1 Year	AGE IN YEARS												85 - 89	90 and Over	Not Stated							
			Number	Rate		Male	Female	1	5	10	15	20	25	30	35	40	45				50	55	60	65	70	75	80
Malignant neoplasm of breast and genito-urinary organs (170-181)		3,115	39.9	981	2,134	2	13	6	1	3	5	21	51	94	136	208	285	313	404	424	418	346	232	128	47		
Breast	170	950	12.2	7	943	-	-	-	-	-	-	6	15	48	53	94	90	113	143	104	107	74	57	25	17		
Cervix uteri	171	363	4.7	-	363	-	-	-	-	-	-	4	18	23	39	3	6	10	9	7	9	6	3	9	2		
Corpus uteri	172	54	0.7	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-		
Other parts of uterus, including chorionepithelioma	173	3	0.0	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Uterus, unspecified	174	218	2.8	-	218	-	-	-	-	-	-	1	5	5	7	16	12	21	24	45	31	19	21	10	1		
Ovary, Fallopian tube, and broad ligament	175	340	4.4	-	340	-	-	-	-	-	-	3	2	10	22	34	49	47	55	42	37	20	11	3	3		
Other and unspecified female genital organs	176	36	0.5	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1		
Prostate	177	558	7.2	558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	48		
Testis	178	38	0.5	38	-	-	-	-	-	-	-	5	6	3	2	2	1	1	5	1	1	2	4	-	-		
Other and unspecified male genital organs	179	7	0.1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Kidney	180	192	2.5	114	78	2	11	4	1	-	-	-	4	2	8	15	17	23	29	28	19	12	10	6	1		
Bladder	181	356	4.6	257	99	-	-	-	-	-	-	-	-	2	1	5	19	29	54	60	57	61	40	25	3		
Malignant neoplasm of other and unspecified sites (190-199)		996	12.8	546	450	-	22	20	18	16	15	18	24	34	27	68	79	102	138	114	99	97	52	39	14		
Melanoma of skin	190	67	0.9	35	32	-	-	-	-	-	-	3	7	7	4	4	3	5	15	15	6	4	-	1	-		
Skin, other	191	66	0.8	37	29	-	-	-	-	-	-	2	3	7	1	2	3	3	5	3	3	10	9	11	7		
Eye	192	11	0.1	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Brain and other parts of nervous system	193	247	3.2	146	101	-	19	15	7	6	7	8	10	15	10	26	27	39	28	16	10	2	2	1	-		
Thyroid gland	194	44	0.6	14	30	-	-	-	-	-	-	1	1	1	1	1	3	3	11	6	4	7	4	2	-		
Other endocrine glands	195	19	0.2	9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	1	2	1	-	-		
Bone (including jaw bone)	196	77	1.0	51	26	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7	10	12	7	5	-		
Connective tissue	197	31	0.4	18	13	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	6	1	3	1	-		
Lymph nodes, secondary and unspecified	198	6	0.1	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Unspecified whether primary or secondary	199	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other and unspecified sites	200	428	5.5	222	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Not stated to be secondary		113	1.4	57	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other specified sites	201	21	0.3	11	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Unspecified site	202	7	0.1	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Large intestine, except rectum	203	1	0.0	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Brain and other parts of nervous system	204	9	0.1	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bone (including jaw bone)		10	0.1	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Any other site except liver, thoracic organs, and lymph nodes		138	1.8	73	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Multiple specified sites, with primary site not indicated (generalized)		129	1.7	63	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Generalized or disseminated (primary) secondary, with no site specified		113	1.4	57	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Neoplasms of lymphatic and hematopoietic tissues (200-205)		959	12.3	576	383	13	44	41	22	20	21	21	37	32	38	55	71	88	119	123	102	62	33	10	7		
Lymphosarcoma and reticulosarcoma	200	177	2.3	112	65	1	-	4	1	1	1	2	6	5	9	19	12	24	26	30	17	7	7	3	2		
Reticulum cell sarcoma	201	48	0.6	31	17	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lymphosarcoma	202	116	1.5	73	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other primary malignant neoplasms of lymphoid tissue	203	13	0.2	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hodgkin's disease	204	107	1.4	79	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other forms of lymphoma (reticulosist)	205	77	1.0	42	35	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Giant follicular lymphoma (Brill-Symmer's disease)		2	0.0	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other		75	1.0	42	33	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Multiple myeloma (plasmocytoma)	206	485	6.2	276	209	11	41	35	20	16	11	6	15	17	16	13	25	33	44	61	56	37	19	5			
Leukemia and aleukemia	207	184	2.4	110	74	4	12	13	6	5	6	2	2	4	5	11	8	13	18	29	22	20	10	3	4		
Lymphatic		139	1.8	77	62	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Myeloid		45	0.6	33	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Monocytic		36	0.5	25	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Acute, unspecified type		42	0.5	25	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other and unspecified		84	1.1	52	32	1	15	11	6	4	1	2	2	2	1	2	1	4	3	9	7	5	1	1	-		
Mycosis fungoides	208	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Benign neoplasm (210-229)		122	1.6	51	71	1	3	2	-	-	-	-	6	8	9	13	15	12	15	7	14	4	5	1	2		
Buccal cavity and pharynx	210	1	0.0	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Digestive system, other	211	9	0.1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Respiratory system	212	10	0.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Uterine fibromyoma	214	13	0.2	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Uterus, other	215	5	0.1	5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ovary	216	8	0.1	8	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Kidney and other urinary organs	219	2	0.0	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Pilonidal cyst	221	1	0.0	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other benign neoplasm of skin	222	1	0.0	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Brain and other parts of nervous system	223	50	0.6	26	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Endocrine glands	224	14	0.2	8	6	-																					

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS														Total																
	A44 Buccal cavity & pharynx	A45 Esophagus	A46 Stomach	A47 Intestine, except rectum	A48 Rectum	A49 Larynx	A50 Trachea, & bronchus & lung not specified as secondary	A51 Breast	A52 Cervix uteri	A53 Other parts of uterus	A54 Prostate	A55 Skin	A56 Bone & connective tissue	A57 All other unspecified sites		A58 Leukemia & lymphomas	A59 Lymphosarcoma & other neoplasms of lymphatic & hematopoietic system	A60 Benign neoplasms & neoplasms unspecified nature	A61 Noncervix gopher	A62 Thyrotoxicosis with or without gopher	A63 Diabetes mellitus	A64 Arteriosclerosis & other deficiency states	A65 Anemias	A66 Allergic disorders; all other endocrine, metabolic & blood diseases	A67 Psychoses	A68 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Meningitis	A72 Multiple sclerosis	A73 Epilepsy
SAGINAW	243	4	26	30	13	1	29	18	8	4	20	2	1	60	14	12	7	1	1	46	1	1	2	19	1	1	193	1	5	1	243
Saginaw	163	3	18	23	9	1	23	10	5	2	12	2	1	35	9	10	6	1	1	33	1	1	1	13	1	1	115	1	4	1	163
Balance of County	80	1	8	7	4	1	6	8	3	2	8	1	1	25	5	2	1	1	1	13	1	1	1	6	1	1	78	1	1	1	80
ST. CLAIR	165	3	13	25	7	2	18	20	8	6	3	3	1	45	7	1	3	1	1	29	2	2	4	10	1	1	149	1	1	2	165
Fort Huron	65	2	1	12	4	1	11	11	3	3	1	1	1	18	1	1	1	1	1	13	2	2	1	8	1	1	53	1	1	1	65
Algonac	8	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	2	1	1	1	1	1	1	6	1	1	1	8
Marine City	10	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	7	1	1	1	10
Marysville	2	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	2
St. Clair	6	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	6
Balance of County	74	1	9	10	2	1	9	8	5	3	1	1	1	17	5	1	1	1	1	12	1	1	3	1	1	1	73	1	1	1	74
ST. JOSEPH	97	1	10	5	3	1	10	11	6	4	13	1	1	27	2	3	1	1	2	7	1	1	1	3	1	1	71	1	1	2	97
Sturgis	23	1	3	2	1	1	3	3	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	15	1	1	2	23
Three Rivers	19	1	4	1	1	1	1	3	2	1	2	1	1	7	1	2	1	1	1	1	1	1	1	1	1	1	13	1	1	1	19
Balance of County	55	1	3	2	2	1	7	6	4	2	10	1	1	14	1	1	1	1	1	3	1	1	1	3	1	1	43	1	1	1	55
SANTIAIC	56	1	6	11	3	1	3	5	1	1	6	1	1	13	1	3	1	1	1	6	1	1	1	3	1	1	58	1	1	1	56
SCHOOLCRAFT	12	1	3	3	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	15	1	1	1	12
Manistique	8	1	1	2	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	11	1	1	1	8
Balance of County	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	4	1	1	1	4
SHIAMSSEE	82	2	5	11	3	1	10	5	1	2	7	1	1	27	1	2	1	1	1	11	1	1	1	7	1	1	71	1	1	1	82
Orosco	30	1	5	5	3	1	4	1	1	1	2	1	1	7	1	3	1	1	1	7	1	1	1	2	1	1	26	1	1	1	30
Durand	5	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
Balance of County	47	2	5	5	1	1	6	4	1	1	5	1	1	17	1	1	1	1	1	3	1	1	1	5	1	1	38	1	1	1	47
TUSCOLA	68	1	11	7	1	1	8	12	1	4	4	1	1	16	1	1	1	1	1	12	1	1	2	2	1	1	71	1	1	1	68
Caro	13	1	1	1	1	1	2	3	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	11	1	1	1	13
Vassar	6	1	1	1	1	1	1	2	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
Balance of County	49	1	10	5	1	1	5	7	1	3	2	1	1	13	1	1	1	1	1	11	1	1	2	2	1	1	58	1	1	1	49
VAN BUREN	76	2	4	10	2	1	8	15	2	1	7	1	1	15	3	5	1	1	1	16	1	1	2	5	1	1	84	1	1	1	76
South Haven	9	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	1	1	1	9
Balance of County	67	1	3	10	2	1	6	14	1	1	5	1	1	14	3	5	1	1	1	16	1	1	2	5	1	1	74	1	1	1	67
WASHINGTON	189	1	11	25	7	1	16	17	6	6	13	3	2	59	11	11	4	1	1	16	1	1	5	9	1	1	143	5	1	1	189
Ann Arbor	76	1	6	12	2	1	4	7	2	3	2	1	2	27	5	3	2	1	1	6	1	1	3	2	1	1	59	1	1	1	76
Ypsilanti	21	1	1	1	1	1	3	2	1	1	1	1	1	7	1	2	1	1	1	3	1	1	2	2	1	1	28	3	1	1	21
Chelsea	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1	6
Milan (Part)	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	4
Balance of County	82	1	4	9	4	1	7	8	3	2	7	1	1	25	5	5	1	1	1	5	1	1	2	5	1	1	50	1	1	1	82
WAYNE	4,108	106	359	474	180	36	590	353	146	99	185	40	32	1,056	176	184	68	3	7	522	4	4	38	188	18	33	2,304	40	36	39	4,108
Detroit	3,111	73	278	369	132	23	468	269	122	83	141	29	22	782	123	128	51	2	7	415	4	4	34	132	13	26	1,782	26	25	28	3,111
Dearborn	161	6	3	15	7	2	17	16	1	3	8	1	1	47	6	6	4	1	1	15	4	4	3	8	1	1	94	1	1	1	161
Hamtramck	83	3	5	5	5	3	12	3	2	1	5	2	2	23	3	3	1	1	1	10	1	1	1	3	3	1	44	1	1	1	83
Highland Park	81	3	9	9	6	2	8	2	1	3	2	2	2	20	5	10	1	1	1	10	1	1	1	5	1	1	54	1	1	1	81
Lincoln Park	58	2	3	8	2	2	4	4	1	3	3	1	1	18	7	7	1	1	1	7	1	1	1	7	1	1	19	1	1	1	58
Wyandotte	62	2	9	8	2	2	7	5	2	2	3	1	1	13	2	4	1	1	1	8	1	1	1	7	1	1	40	1	2	1	62
Allen Park	23	1	1	1	1	1	3	3	1	1	1	1	1	5	3	1	1	1	1	6	1	1	1	1	1	1	11	1	1	1	23
Ecorse	25	3	3	3	1	1	3	1	2	1	3	2	2	7	1	1	1	1	1	7	1	1	1	3	1	1	10	1	1	1	25
Grosse Pte. Park	28	3	2	2	2	1	2	1	1	1	2	1	1	7	1	1	2	1	1	7	1	1	1	3	1	1	20	1	1	1	28
Grosse Pte. Woods	25	2	2	2	2	1	2	1	1	1	2	1	1	6	1	1	1	1	1	7	1	1	1	2	1	1	13	1	1	1	25
Inkster	26	2	3	5	1	1	4	4	1	1	3	1	1	5	3	3	1	1	1	7	1	1	1	2	1	1	17	1	1	1	26
Livonia	39	1	5	4	1	1	6	4	1	1	3	1	1	11	1	1	1	1	1	10	1	1	1	1	1	1	13	1	1	1	39
River Rouge	39	1	1	1	1	1	7	6	1	1	2	1	1	11	1	1	1	1	1	10	1	1	1	1	1	1	17	1	1	1	39
Garden City	23	1	1	3	1</																										

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	NEPHRITIS & NEPHROSIS										MATERNAL DEATHS										CONGENITAL MALFORMATIONS							
	A104 Gastro-enteritis & colitis, except diarrhea of newborn	A105 Cirrhosis of liver	A106 Cholelithiasis & cholecystitis	A107 Other diseases of digestive system	Total	A108 Acute nephritis	A109 Chronic, other nephritis & unspecified nephritis with edema, including nephroses	A110 Infections of kidney	A111 Calculi of urinary system	A112 Hypertasia of prostate	A114 Other diseases of genito-urinary system	Total	A115 Septa of pregnancy, childbirth & puerperium	A116 Tokemias of pregnancy & puerperium	A117 Hemorrhage of pregnancy & childbirth	A118 Abortion without mention septa or toxemia	A119 Abortion with septa	A120 Other complications of pregnancy, childbirth & puerperium	A121 Infections of skin & subcutaneous tissue	A122 Arthritis & spondylitis	A123 Muscular rheumatism & rheumatism unspecified	A124 Osteomyelitis & periostitis	A125 Acquired musculoskeletal deformities	A126 All other diseases of skin & musculoskeletal system	Total	A127 Spina bifida & meningocele	A128 Congenital malformations of circulatory system	A129 All other congenital malformations
MEOOSTA	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3
Big Rapids	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3
Balance of County	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3
MENOMINEE	2	2	3	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1
Menominee	2	2	3	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1
Balance of County	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1
MIDLAND	1	1	1	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	4	3	1
Midland	1	1	1	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	4	3	1
Balance of County	1	1	1	1	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1
MISSAIGEE	2	2	2	5	6	6	6	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	15	2	6	7
Monroe	2	2	2	5	6	6	6	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	15	2	6	7
Balance of County	2	2	2	4	4	4	4	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	11	2	5	4
MONTCALM	3	1	1	1	8	8	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	1	2	2
Greenville	3	1	1	1	8	8	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	1	2	2
Balance of County	2	1	1	1	8	8	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	1	2	2
MONTMORENCY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	3
MUSKEGON	11	14	8	7	9	9	9	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	26	1	15	10
Muskegon	11	14	8	7	9	9	9	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	26	1	15	10
Balance of County	2	4	4	4	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	1	10	5
NEWAYGO	2	1	2	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	1	1
Fremont	2	1	2	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	1	1
Balance of County	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	1	1
OAKLAND	15	43	14	20	41	38	35	16	8	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	81	8	35	38
Pontiac	2	7	3	4	11	10	10	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	4	4	4
Ferndale	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	2	2
Royal Oak	1	5	1	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	1	5	8
Berkley	1	4	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	2
Birmingham	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	2	2
Hazel Park	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Clawson	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Holly	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Huntington Woods	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Northville (Part)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Oak Park	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pleasant Ridge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rochester	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Balance of County	6	18	7	9	23	21	20	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	29	3	15	11
OCEANA	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	4	1
Ogemaw	3	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	4	1
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ONTONAGON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Oscoda	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	6	1	4	1
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OTSEGO	3	4	7	1	9	8	8	1	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	10	6	4	4
Holland	2	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
Grand Haven	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
Zeeland	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
Balance of County	1	1	1	1	6	5	5	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	6	4	2	2
PRESQUE ISLE	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rogers City	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROSCOMMON	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A 130 Birth injuries	A 131 Postnatal asphyxia & asphyxia	A 132 Infections of newborn	A 133 Hemolytic disease of newborn	A 134 All other deaths of early infancy	A 135 Ill-defined diseases peculiar to early infancy & immaturity	A 136 Sentiment of psychosis 773 Ill-defined diseases 774-776 Immaturity	A 137 Ill-defined & unknown causes of mortality	Total	ACCIDENTS																														
										ARI38 Motor vehicle accidents	ARI39 Other transport accidents	ARI40 Accidental poisoning	ARI41 Accidental falls	ARI42 Accident caused by machinery	ARI43 Accident caused by fire & explosion of combustibles material	ARI44 Accident caused by hot substance, steam & radiation	ARI45 Accident caused by firearm	ARI46 Accidental drowning & submersion	ARI47, 48 Other accidental causes excluding late effects violence	ARI48 Suicide & self-inflicted injury	ARI49 Homicide & injury by other persons (not in war)	ARI47, 2* Late effects of homicidal injury	ARI47, 3* Late effects of war injury																	
ALCONA	607	831	188	142	17	29	135	68	1,433	111	1,322	22	143	3,643	1,680	152	109	762	86	230	23	53	212	356	683	230	2													
ALGER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
Munising	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1												
ALLEGAN	1	4	1	1	1	1	1	1	14	14	14	1	2	34	17	5	2	3	3	1	1	1	2	3	4	1	1	1												
Allegan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1											
Oshtemo	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
Plainwell	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
Balance of County	1	4	1	1	1	1	1	1	12	12	12	2	2	24	11	4	2	2	2	1	1	1	2	2	2	3	1	1	1	1	1									
ALPENA	1	2	1	1	1	1	1	1	6	6	6	1	1	21	11	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1									
Alpena	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
Balance of County	1	2	1	1	1	1	1	1	4	4	4	1	1	14	8	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1						
ANTRIM	3	1	1	1	1	1	1	1	1	1	1	1	1	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
AREMAC	1	1	1	1	1	1	1	1	3	3	3	1	1	10	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
BARAGA	1	1	1	1	1	1	1	1	1	1	1	1	1	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
BARRY	1	2	1	1	1	1	1	1	3	3	3	1	1	19	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Hastings	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Balance of County	1	2	1	1	1	1	1	1	3	3	3	1	1	19	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
BAY	9	11	5	4	1	1	3	1	14	2	12	1	1	35	12	1	2	11	1	1	1	1	2	5	11	11	1	1	1	1	1	1	1	1	1	1	1			
Bay City	5	5	4	3	1	2	1	1	7	2	5	1	1	23	4	1	2	9	1	1	1	1	2	4	8	8	1	1	1	1	1	1	1	1	1	1	1	1		
Essexville	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Balance of County	3	5	1	1	1	1	1	1	6	6	6	1	1	12	8	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
BENZIE	1	1	1	1	1	1	1	1	1	1	1	1	1	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
BERRIEN	6	17	4	3	1	2	2	1	19	3	16	1	1	81	29	5	6	15	3	10	1	1	6	6	13	13	1	1	1	1	1	1	1	1	1	1	1	1	1	
Benton Harbor	2	1	1	1	1	1	1	1	10	2	8	1	1	10	2	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Niles	2	5	1	1	1	1	1	1	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
St. Joseph	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Buchanan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	1	10	3	2	1	2	2	1	5	5	5	1	1	58	23	4	2	6	3	9	1	1	4	6	8	8	1	1	1	1	1	1	1	1	1	1	1	1	1	
BRANCH	3	2	2	2	1	1	1	1	3	3	3	1	1	20	14	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Coldwater	2	2	1	1	1	1	1	1	1	1	1	1	1	6	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	2	2	1	1	1	1	1	1	3	3	3	1	1	14	11	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CALHOUN	8	14	7	6	1	2	2	1	20	1	19	1	2	68	30	2	1	18	1	2	2	3	4	8	13	13	4	1	1	1	1	1	1	1	1	1	1	1	1	1
Battle Creek	2	9	2	2	1	1	1	1	6	6	6	1	1	30	11	2	1	13	1	2	2	2	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Aldion	1	1	1	1	1	1	1	1	3	3	3	1	1	7	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Marshall	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Balance of County	4	5	3	3	1	2	2	1	10	1	9	1	1	28	14	1	1	2	1	2	1	1	2	6	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CASS	2	2	2	2	1	1	1	1	9	9	9	1	1	22	13	2	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dowagiac	1	1	1	1	1	1	1	1	1	1	1	1	1	7	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	2	2	2	2	1	1	1	1	8	8	8	1	1	15	9	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
CHARLEVOIX	1	3	1	1	1	1	1	1	3	3	3	1	1	15	6	3	2	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boy City	1	1	1	1	1	1	1	1	1	1	1	1	1	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Charlevoix	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	1	2	1	1	1	1	1	1	2	2	2	1	1	9	2	1	1	2	1	2	1	1	2																	

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ACCIDENTS										Total		
	A 130 Birth injuries	A 131 Postnatal asphyxia & atelectasis	A 132 Infections of newborn	763 Pneumonia of newborn	764 Diphtheria of newborn	765-768 Other infections of newborn	A 133 Hemolytic disease of newborn	A 134 All other deaths of early infancy	A 135 Ill-defined diseases peculiar to early infancy & immaturity	773 Ill-defined unqualified diseases		774-776 Immaturity	A 136 Sentility without mention of psychoses
SAGINAW	10	28	65	2	1	3	2	20	20	20	20	1	1
Saginaw	4	19	34	2	1	2	2	9	9	9	1	1	
Balance of County	6	9	31	0	0	1	0	11	11	11	0	0	
ST. CLAIR	10	4	4	1	1	1	1	18	17	16	1	1	
Port Huron	4	1	1	1	1	1	1	7	6	6	1	1	
Algonac	1	1	1	1	1	1	1	2	2	2	1	1	
Marine City	1	1	1	1	1	1	1	1	1	1	1	1	
Marysville	1	1	1	1	1	1	1	1	1	1	1	1	
St. Clair	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	3	3	3	1	1	1	1	10	10	10	1	1	
ST. JOSEPH	4	1	1	2	1	1	2	11	4	7	1	1	
Sturgis	2	1	1	1	1	1	1	4	4	4	1	1	
Three Rivers	2	1	1	1	1	1	1	11	4	7	1	1	
Balance of County	2	1	1	1	1	1	1	6	1	5	1	1	
SANILAC	2	3	3	1	1	2	1	6	1	5	1	1	
SCHOOLCRAFT	1	1	1	1	1	1	1	2	2	2	1	1	
Manistique	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	
SHLAWASSEE	3	7	7	1	1	1	1	3	3	3	1	1	
Owosso	1	2	2	1	1	1	1	1	1	1	1	1	
Durand	1	2	2	1	1	1	1	1	1	1	1	1	
Balance of County	3	2	2	1	1	1	1	1	1	1	1	1	
TUSCOLA	2	4	4	1	1	3	1	5	2	3	1	1	
Caro	1	1	1	1	1	1	1	2	2	2	1	1	
Vassar	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	
VAN BUREN	5	1	1	1	1	1	1	10	10	10	1	1	
South Haven	1	1	1	1	1	1	1	3	3	3	1	1	
Balance of County	4	1	1	1	1	1	1	7	7	7	0	0	
WASHINGTON	14	12	12	6	4	4	4	30	28	28	1	1	
Ann Arbor	4	5	5	3	1	2	2	9	8	8	1	1	
Ypsilanti	5	3	3	3	1	2	2	4	4	4	1	1	
Chelsea	1	1	1	1	1	1	1	1	1	1	1	1	
Milan (Part)	1	1	1	1	1	1	1	1	1	1	1	1	
Balance of County	4	3	3	3	3	3	3	15	14	14	1	1	
WAYNE	250	314	314	29	12	40	29	605	566	566	4	4	
Detroit	161	205	205	19	9	24	19	418	393	393	3	3	
Dearborn	19	11	11	4	1	2	4	20	19	19	1	1	
Hamtramck	2	4	4	1	1	1	1	11	11	11	1	1	
Highland Park	2	4	4	1	1	1	1	6	6	6	1	1	
Lincoln Park	3	4	4	1	1	1	1	10	9	9	1	1	
Wyandotte	4	6	6	5	4	4	4	16	14	14	1	1	
Allen Park	3	11	11	2	2	2	2	5	4	4	1	1	
Ecorse	1	3	3	1	1	1	1	6	5	5	1	1	
Grosse Pte. Park	1	3	3	1	1	1	1	6	5	5	1	1	
Grosse Pte. Woods	8	2	2	1	1	1	1	17	17	17	1	1	
Inkster	6	7	7	2	2	3	2	9	9	9	1	1	
Livonia	3	2	2	1	1	1	1	4	4	4	1	1	
River Rouge	7	4	4	1	1	1	1	7	7	7	1	1	
Garden City	3	2	2	1	1	1	1	4	4	4	1	1	
Grosse Pointe	7	4	4	1	1	1	1	9	9	9	1	1	
Grosse Pointe Farms	1	1	1	1	1	1	1	1	1	1	1	1	
Melvindale	1	1	1	1	1	1	1	1	1	1	1	1	
Northville (Part)	1	1	1	1	1	1	1	1	1	1	1	1	
Plymouth	2	1	1	1	1	1	1	4	4	4	1	1	
Trenton	3	1	1	1	1	1	1	5	5	5	1	1	
Wayne	3	1	1	1	1	1	1	11	11	11	1	1	
Balance of County	26	31	31	2	7	6	2	73	67	67	4	4	
WEXFORD	1	2	2	1	1	1	1	3	2	2	1	1	
Cadillac	1	1	1	1	1	1	1	2	1	1	1	1	
Balance of County	1	1	1	1	1	1	1	1	1	1	1	1	

*Code numbers used by Michigan Department of Health for further subdivisions of cause A2147 to make it possible to exclude late effects of violence from the accident total. See corresponding cause in Table 7A for detailed list numbers.

TABLE 9 - LEADING CAUSES OF DEATH BY AGE GROUP
MICHIGAN, 1957

(Leading causes in each age group selected on the basis of the Intermediate List of 150 Causes with subdivisions of causes A81, A85, A109, A132, A135, and AE147.)

Under 1 Year		
Cause of Death	Number	%
All Causes	5,093	100
Immaturity	1,322	26.0
Postnatal asphyxia & atelectasis	830	16.3
Congenital malformations	760	14.9
Birth injuries	605	11.9
Pneumonia & influenza (includes pneumonia of newborn)	512	10.1

1 - 4		
Cause of Death	Number	%
All Causes	797	100
Accidents	225	28.2
Pneumonia & influenza	119	14.9
Congenital malformations	117	14.7
Malignant neoplasms	81	10.2
Gastro-enteritis & colitis	27	3.4

5 - 14		
Cause of Death	Number	%
All Causes	666	100
Accidents	267	40.1
Malignant neoplasms	111	16.7
Pneumonia & influenza	45	6.8
Congenital malformations	38	5.7
Nephritis & nephrosis	20	3.0

15 - 24		
Cause of Death	Number	%
All Causes	952	100
Accidents	497	52.2
Malignant neoplasms	92	9.7
Pneumonia & influenza	37	3.9
Diseases of heart	35	3.7
Suicide	33	3.5

25 - 34		
Cause of Death	Number	%
All Causes	1,406	100
Accidents	371	26.4
Malignant neoplasms	220	15.6
Diseases of heart	173	12.3
Suicide	94	6.7
Homicide	63	4.5

35 - 44		
Cause of Death	Number	%
All Causes	2,891	100
Diseases of heart	779	26.9
Malignant neoplasms	588	20.3
Accidents	358	12.4
Vascular lesions of central nervous system	146	5.1
Suicide	121	4.2

45 - 54		
Cause of Death	Number	%
All Causes	6,226	100
Diseases of heart	2,341	37.6
Malignant neoplasms	1,475	23.7
Vascular lesions of central nervous system	455	7.3
Accidents	386	6.2
Cirrhosis of liver	212	3.4

55 - 64		
Cause of Death	Number	%
All Causes	11,474	100
Diseases of heart	4,888	42.6
Malignant neoplasms	2,633	22.9
Vascular lesions of central nervous system	1,017	8.9
Accidents	387	3.4
Diabetes	345	3.0

65 & Over*		
Cause of Death	Number	%
All Causes	36,930	100
Diseases of heart	17,111	46.3
Vascular lesions of central nervous system	5,921	16.0
Malignant neoplasms	5,594	15.1
Arteriosclerosis	1,166	3.2
Pneumonia & influenza	1,077	2.9

*Includes 12 deaths of unknown age.

TABLE 10 - DEATHS UNDER 5 YEARS BY CAUSE AND DETAILED AGE
MICHIGAN, 1957

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Sixth Revision of International List, 1948, Intermediate List of 150 Causes with additional subdivisions indicated by detailed list numbers.)

CAUSE OF DEATH	Int. List No.	Under 5 Yrs	Under 1 Day	DAYS						Under 4 Wks	MONTHS												Under 1 Yr	YEARS						
				1-2		3-6		7-13			14-20		21-27		1	2	3	4	5	6	7	8		9	10	11	1	2	3	4
				1	2	1	2	1	2		1	2	1	2																
ALL CAUSES		5,890	2,289	511	331	383	3,514	84	184	102	245	211	160	124	112	92	73	54	54	39	45	5,093	339	182	141	135				
TUBERCULOSIS, ALL FORMS	A 1-A 5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1				
Tuberculosis of meninges and central nervous system	A 2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1				
Congenital syphilis	A 6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-				
Dysentery, all forms	A 16	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-				
Septicemia and pyemia	A 20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	5	1	1	-				
Whooping cough	A 22	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	-	-				
Meningococcal infections	A 23	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	7	3	2	2				
Acute poliomyelitis	A 28	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-	-				
Acute infectious encephalitis	A 29	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-				
Measles	A 32	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	2	1	1				
Infectious hepatitis	A 34	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-				
All other diseases classified as infective and parasitic	A 43	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	3	2	1	-				
MALIGNANT NEOPLASMS, ALL FORMS	A 44-A 59	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	14	19	27	21				
Malignant neoplasm of prostate	A 54	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Malignant neoplasm of bone and connective tissue	A 56	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Malignant neoplasm of all other and unspecified sites	A 57	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	12	10	5				
Leukemia and leukemia	A 58	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	6	6	13	16				
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system	A 59	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	-				
Benign neoplasms and neoplasms of unspecified nature	A 60	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-				
Diabetes mellitus	A 63	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-				
Anemias	A 65	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	1	1	1				
Allergic disorders; all other endocrine, metabolic and blood diseases	A 66	45	5	1	3	9	-	-	-	-	5	5	1	2	2	1	2	-	-	-	-	33	5	2	-	5				
Mental deficiency	A 69	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-				
Vascular lesions affecting central nervous system	A 70	15	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	5	7	2	1	-				
Nonmeningococcal meningitis	A 71	59	-	-	-	-	-	-	-	-	4	4	5	-	2	3	2	2	1	-	-	38	9	6	5	1				
Epilepsy	A 73	12	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	4	1	3	1	-				
Otitis media and mastoiditis	A 77	11	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	5	5	1	-	-				
All other diseases of the nervous system and sense organs	A 78	44	-	-	-	-	-	-	-	-	1	-	2	2	1	5	2	2	1	1	-	17	7	7	8	5				
Rheumatic fever	A 79	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1				
HEART DISEASE, ALL FORMS	A 80-A 83	27	-	-	-	-	-	-	-	-	2	2	3	2	1	-	3	-	-	-	-	17	6	3	-	1				
Chronic rheumatic heart disease	A 80	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-				
Arteriosclerotic and degenerative heart disease	A 81	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	2	-	-				
420 Arteriosclerotic heart disease, including coronary disease		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-				
421-422 Nonrheumatic chronic endocarditis & other myocardial degeneration		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	-	-				
Other diseases of heart	A 82	15	-	-	-	-	-	-	-	-	2	1	3	2	-	-	-	-	-	-	-	12	2	1	-	-				
Other diseases of circulatory system	A 86	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-				
Acute upper respiratory infections	A 87	30	-	-	-	-	-	-	-	-	7	4	-	-	-	2	1	-	-	-	-	20	6	-	3	1				
Influenza	A 88	27	-	-	-	-	-	-	-	-	3	2	-	-	-	1	-	-	-	-	-	14	4	4	3	2				
PNEUMONIA, ALL FORMS	A 89-A 91	462	-	-	-	-	-	-	-	-	74	72	55	33	34	20	13	14	17	7	17	356	61	21	17	7				
Lobar pneumonia	A 89	59	-	-	-	-	-	-	-	-	4	9	4	4	6	3	3	2	2	2	4	41	11	2	4	1				
Bronchopneumonia	A 90	225	-	-	-	-	-	-	-	-	33	34	27	21	19	8	5	9	10	3	4	173	28	14	4	6				
Primary atypical, other and unspecified pneumonia	A 91	178	-	-	-	-	-	-	-	-	37	29	24	8	9	9	5	3	5	3	10	142	22	2	5	-				

TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE
MICHIGAN, 1957

(Exclusive of fetal deaths. Place of residence according to rural areas and urban incorporated areas having a 1950 population of 2,500 or more.)

AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Wks	M O N T H S											Under 1 Yr	Y E A R S			
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4
			STATE	5,890	2,289		511	331	383		3,514	184	102	84	3,884	245	211	160	124	112	92		73	54	54	39
ALCONA	3	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-
ALGER	6	2	-	-	1	3	-	-	-	3	1	-	-	1	1	-	-	-	-	-	-	6	-	-	-	-
Munising	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	6	2	-	-	1	3	-	-	-	3	1	-	-	1	1	-	-	-	-	-	-	6	-	-	-	-
ALLEGAN	43	16	3	2	2	23	-	-	-	23	2	4	-	1	1	1	-	1	-	-	1	34	3	1	2	3
Allegan	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Otsego	5	2	1	-	-	3	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	4	-	-	-	1
Plainwell	2	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-
Balance of County	35	12	2	2	2	18	-	-	-	18	2	4	-	-	1	-	-	1	-	-	1	27	3	1	2	2
ALPENA	15	7	1	-	4	12	-	-	-	12	1	-	-	-	-	-	-	1	-	-	-	14	-	-	-	1
Alpena	7	3	1	-	2	6	-	-	-	6	1	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
Balance of County	8	4	-	-	2	6	-	-	-	6	-	-	-	-	-	-	-	1	-	-	-	7	-	-	-	1
ANTRIM	11	2	-	2	-	4	-	-	-	4	2	-	-	1	-	-	-	-	-	-	-	1	8	2	-	1
ARENAC	4	1	3	-	-	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
BARAGA	4	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	1
BARRY	21	9	2	1	3	15	-	-	-	15	2	1	1	-	-	-	-	1	-	-	-	20	-	1	-	-
Hastings	3	1	1	-	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Balance of County	18	8	1	1	2	12	-	-	-	12	2	1	1	-	-	-	-	1	-	-	-	17	-	1	-	-
BAY	80	24	3	7	6	40	1	2	2	45	7	3	3	-	1	3	-	1	1	1	-	64	7	4	2	3
Bay City	41	13	1	4	4	22	1	-	1	24	3	2	2	-	2	-	1	-	-	-	-	34	4	2	-	1
Essexville	3	1	-	1	-	2	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Balance of County	36	10	2	2	2	16	-	1	1	18	4	1	1	-	1	1	-	1	-	-	1	27	3	2	2	2
BENZIE	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	2	1	-	-	-
BERRIEN	94	36	2	1	12	51	5	-	4	60	5	3	3	-	1	3	5	-	-	-	-	80	2	6	3	3
Benton Harbor	22	8	1	-	4	13	-	-	-	13	2	1	-	-	-	2	2	-	-	-	-	20	-	1	-	1
Niles	11	6	-	-	1	7	2	-	1	10	1	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
St. Joseph	6	3	1	-	-	4	-	-	-	4	-	1	-	-	-	-	-	-	-	-	-	5	-	1	-	-
Buchanan	4	2	-	-	-	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-
Balance of County	51	17	-	1	7	25	3	-	2	30	2	1	3	-	1	1	3	-	-	-	-	41	2	3	3	2
BRANCH	19	7	-	-	3	10	-	2	-	12	3	1	-	-	1	-	-	-	-	-	-	17	1	-	1	-
Coldwater	3	1	-	-	-	1	-	1	-	2	1	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-
Balance of County	16	6	-	-	3	9	-	1	-	10	2	1	-	-	1	-	-	-	-	-	-	14	1	-	1	-
CALHOUN	91	36	6	9	6	57	1	2	-	60	3	3	1	-	3	2	1	1	1	-	-	75	10	4	2	-
Battle Creek	28	13	1	3	3	20	1	1	-	22	1	1	-	-	1	1	-	-	-	-	-	26	2	-	-	-
Albion	13	6	-	1	1	8	-	1	-	9	-	-	-	-	-	-	-	-	-	-	-	9	4	-	-	-
Marshall	4	2	-	-	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-
Balance of County	46	15	5	5	1	26	-	-	-	26	2	2	1	-	3	1	-	1	1	-	-	37	4	4	1	-
CASS	30	10	2	1	4	17	-	1	-	18	1	-	1	-	1	-	1	2	1	1	-	26	2	-	2	-
Dowagiac	5	1	-	1	-	2	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	3	2	-	-	-
Balance of County	25	9	2	-	4	15	-	1	-	16	1	-	1	-	1	-	1	1	1	1	-	23	-	-	2	-
CHARLEVOIX	11	4	1	-	2	7	-	1	-	8	-	1	-	-	-	1	-	-	-	-	-	10	1	-	-	-
Boyne City	1	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Charlevoix	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Balance of County	9	3	-	-	2	5	-	1	-	6	-	1	-	-	-	1	-	-	-	-	-	8	1	-	-	-
CHEBOYGAN	15	5	2	1	-	8	1	-	-	9	1	1	-	2	-	-	-	-	-	-	-	14	-	1	-	-
Cheboygan	8	3	2	-	-	5	1	-	-	6	-	-	-	1	-	-	-	-	-	-	-	8	-	-	-	-
Balance of County	7	2	-	1	-	3	-	-	-	3	1	1	-	1	-	-	-	-	-	-	-	6	-	1	-	-
CHIPPewa	16	5	2	2	1	10	-	-	-	10	2	-	-	-	-	1	-	-	-	-	-	13	2	-	-	1
Sault Ste. Marie	13	3	2	2	1	8	-	-	-	8	1	-	-	-	-	1	-	-	-	-	-	10	2	-	-	1
Balance of County	3	2	-	-	-	2	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
CLARE	11	2	4	-	-	6	-	-	-	6	-	2	1	-	-	2	-	-	-	-	-	11	-	-	-	-
CLINTON	22	11	1	1	1	14	1	-	-	15	1	-	1	-	2	-	-	1	-	-	-	20	1	1	-	-
St. Johns	5	3	-	-	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	1	1	-	-
Balance of County	17	8	1	1	1	11	1	-	-	12	1	-	1	-	2	-	-	1	-	-	-	17	-	-	-	-
CRAWFORD	5	1	1	-	1	3	-	-	1	4	1	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
DELTA	31	12	1	-	1	14	1	-	1	16	2	1	3	-	1	-	1	-	1	-	-	25	3	1	-	2
Escanaba	17	8	1	-	1	10	-	-	1	11	1	1	2	-	-	-	1	-	-	-	-	16	-	-	-	1
Gladstone	3	3	-	-	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Balance of County	11	1	-	-	-	1	1	-	-	2	1	-	1	-	1	-	-	-	-	-	-	6	3	1	-	1
DICKINSON	8	5	-	-	-	5	-	1	-	6	-	-	-	-	-	-	-	-	-	-	-	6	2	-	-	-
Iron Mountain	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kingsford	4	2	-	-	-	2	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-
Norway	1	1	-	-	-	1	-	-	-	1	-	-														

TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE (Continued)

AREA	Under 5 Yrs	Under 1 Day	DAYS			Under 1 Wk	DAYS			Under 4 Wks	MONTHS											Under 1 Yr	YEARS				
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4	
MANISTEE	20	4	1	1	-	6	-	1	-	7	3	1	1	1	-	-	1	1	-	-	-	-	15	1	2	1	1
Manistee	8	2	1	-	-	3	-	-	-	3	2	-	-	-	-	-	1	-	-	-	-	-	6	-	-	1	1
Balance of County	12	2	-	1	-	3	-	1	-	4	1	1	1	1	-	-	-	1	-	-	-	-	9	1	2	-	-
MARQUETTE	26	11	4	-	-	15	-	-	1	16	1	1	-	-	1	-	-	-	1	-	-	-	20	2	2	2	-
Marquette	9	5	1	-	-	6	-	-	1	7	-	-	-	-	-	-	-	-	1	-	-	-	8	1	-	-	-
Ishpeming	3	1	1	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-
Negaunee	5	3	1	-	-	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1	-
Balance of County	9	2	1	-	-	3	-	-	-	3	1	1	-	-	1	-	-	-	-	-	-	-	6	1	2	-	-
MASON	9	1	2	1	1	5	-	-	-	5	-	-	-	-	-	1	-	-	-	-	-	-	6	2	1	-	-
Ludington	3	1	1	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-
Balance of County	6	-	1	1	1	3	-	-	-	3	-	-	-	-	-	1	-	-	-	-	-	-	4	2	-	-	-
MECOSTA	12	3	1	-	-	4	-	-	2	6	-	1	1	-	1	-	-	-	-	-	1	-	10	2	-	-	-
Big Rapids	4	2	1	-	-	3	-	-	1	4	-	-	-	-	1	-	-	-	-	-	-	-	4	-	-	-	-
Balance of County	8	1	-	-	-	1	-	-	1	2	-	1	1	-	1	-	-	-	-	-	1	-	6	2	-	-	-
MENOMINEE	13	11	1	-	-	12	-	-	-	12	-	-	-	-	1	-	-	-	-	-	-	-	13	-	-	-	-
Menominee	5	5	-	-	-	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
Balance of County	8	6	1	-	-	7	-	-	-	7	-	-	-	-	1	-	-	-	-	-	-	-	8	-	-	-	-
MIDLAND	49	28	4	2	3	37	-	-	-	37	2	2	-	-	-	1	-	-	-	1	1	44	2	1	2	-	-
Midland	26	18	2	1	1	22	-	-	-	22	1	-	-	-	-	1	-	-	-	-	-	24	-	1	1	-	-
Balance of County	23	10	2	1	2	15	-	-	-	15	1	2	-	-	-	-	-	-	-	1	1	20	2	-	1	-	-
MISSAUKEE	5	1	1	-	-	2	-	-	1	3	1	1	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
MONROE	85	31	10	2	6	49	1	2	-	52	5	4	5	-	-	2	1	-	1	2	-	72	6	5	2	-	-
Monroe	27	7	2	1	3	13	-	1	-	14	2	2	1	-	-	1	1	-	1	-	-	22	1	3	1	-	-
Milan (Part)	2	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-
Balance of County	56	24	7	1	3	35	1	1	-	37	3	2	4	-	-	1	-	-	1	-	-	48	5	2	1	-	-
MONTCALM	32	10	4	-	3	17	1	-	1	19	2	1	-	2	1	-	-	-	1	1	-	27	1	1	1	2	-
Greenville	5	3	-	-	1	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-
Balance of County	27	7	4	-	2	13	1	-	1	15	2	1	-	2	1	-	-	-	1	1	-	23	-	1	1	2	-
MONTMORENCY	5	4	-	1	-	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
MUSKEGON	134	47	11	6	9	73	2	-	3	78	7	5	10	4	2	3	2	1	2	-	2	116	9	4	1	4	-
Muskegon	35	15	2	1	2	20	-	-	1	21	4	-	2	-	1	1	1	-	2	-	-	33	1	1	-	-	2
Muskegon Heights	35	11	3	1	3	18	-	-	-	18	1	3	4	2	2	1	1	-	-	-	-	28	4	1	-	-	-
Balance of County	64	21	6	4	4	35	2	-	2	39	2	2	4	2	1	2	1	1	-	-	1	55	4	2	1	2	-
NEWAYGO	17	3	2	1	1	7	1	-	-	8	-	-	-	1	2	1	-	-	-	1	-	13	1	1	1	1	-
Fremont	4	1	-	-	1	2	-	-	-	2	-	-	-	-	1	-	-	-	-	1	-	4	-	-	-	-	-
Balance of County	13	2	2	1	-	5	1	-	-	6	-	-	-	1	1	1	-	-	-	-	-	9	1	1	1	1	-
OAKLAND	435	174	40	30	28	272	14	7	7	300	14	12	12	7	4	6	3	1	5	-	3	367	28	17	12	11	-
Pontiac	77	32	8	7	4	51	3	1	1	56	3	1	2	2	1	1	-	-	1	-	-	67	6	3	-	1	-
Ferndale	22	4	7	3	-	14	-	-	-	14	-	3	-	-	-	-	-	-	1	-	-	19	-	2	-	-	-
Royal Oak	52	29	4	2	1	36	2	-	1	39	-	1	2	1	-	-	-	-	-	-	-	43	5	-	2	2	-
Berkley	12	5	-	2	2	9	1	1	-	11	-	-	-	-	-	-	-	-	-	-	-	11	1	-	-	-	-
Birmingham	25	11	1	-	1	13	-	-	1	15	1	-	1	-	1	-	-	-	-	-	-	18	2	3	2	-	-
Hazel Park	25	12	-	1	2	15	-	1	1	17	-	2	-	1	-	-	-	-	1	-	-	22	2	-	-	1	-
Clawson	10	4	-	1	2	7	-	-	-	7	1	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
Holly	2	1	-	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Huntington Woods	2	-	-	1	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-
Northville (Part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oak Park	21	10	1	2	1	14	-	1	-	15	2	-	1	-	-	-	-	-	1	-	-	19	1	-	-	1	-
Pleasant Ridge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Rochester	5	1	2	-	-	3	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	-
Balance of County	181	65	17	10	15	107	6	3	3	119	7	5	6	3	2	4	2	-	2	-	1	151	10	9	7	4	-
OCEANA	12	5	-	1	-	6	1	-	1	8	1	-	-	-	-	-	-	-	1	-	-	10	1	-	1	-	-
OGEAW	2	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
ONTONAGON	11	5	-	1	-	6	1	2	-	9	-	1	-	-	-	-	-	-	-	-	-	10	-	1	-	-	-
OSCEOLA	18	8	1	1	2	12	1	-	-	13	-	-	1	1	-	1	-	-	-	-	-	16	2	-	-	-	-
OSCODA	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
OTSEGO	10	4	1	1	-	6	-	1	-	7	-	-	-	-	-	-	1	-	-	-	-	8	1	-	1	-	-
OTTAWA	61	25	5	2	2	34	1	-	1	36	2	2	-	5	1	-	2	1	-	-	2	51	2	-	3	5	-
Holland	15	4	-	1	1	6	-	-	-	6	-	-	-	2	-	-	-	1	-	-	-	9	1	-	2	3	-
Grand Haven	6	1	1	-	1	3	-	-	-	3	1	-	-	-	-	-	-	-	-	-	1	5	-	-	-	1	-
Zeeland	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Balance of County	39	19	4	1	-	24	1	-	1	26	1	2	-														

TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE (Continued)

AREA	Under 5 Yrs	Under 1 Day	DAYS			Under 1 Wk	DAYS			Under 4 Wks	MONTHS											Under 1 Yr	YEARS					
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4		
			SANILAC	27	13		-	1	2		16	-	1	1	18	3	1	-	-	-	-		1	1	-	-	-	-
SCHOOLCRAFT	7	2	1	2	-	5	-	-	-	5	-	-	-	1	-	-	-	-	-	-	-	-	-	6	1	-	-	-
Manistique	3	1	-	2	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Balance of County	4	1	1	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	3	1	-	-	-
SHLAWASSEE	34	11	3	3	3	20	-	-	-	20	2	1	3	1	-	-	-	-	-	-	-	-	-	27	5	2	-	-
Owosso	9	2	-	2	1	5	-	-	-	5	-	-	1	1	-	-	-	-	-	-	-	-	-	7	1	1	-	-
Durand	3	-	2	-	-	2	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
Balance of County	22	9	1	1	2	13	-	-	-	13	2	-	2	-	-	-	-	-	-	-	-	-	-	17	4	1	-	-
TUSCOLA	30	11	-	3	4	18	-	-	1	19	-	1	-	1	1	1	-	-	-	3	-	-	-	26	-	2	2	-
Caro	4	3	-	-	1	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Vassar	4	1	-	-	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-
Balance of County	22	7	-	3	3	13	-	-	1	14	-	-	-	1	1	1	-	-	-	2	-	-	-	19	-	1	2	-
VAN BUREN	30	13	3	3	1	20	-	-	1	21	1	2	1	-	-	-	-	-	-	1	-	1	-	27	2	1	-	-
South Haven	11	4	3	1	1	9	-	-	1	10	-	1	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-
Balance of County	19	9	-	2	-	11	-	-	-	11	1	1	1	-	-	-	-	-	-	1	-	1	-	16	2	1	-	-
WASHTENAW	111	37	12	7	8	64	5	1	3	73	4	5	4	1	1	-	2	1	2	-	3	-	-	96	3	7	4	1
Ann Arbor	31	15	4	2	3	24	2	-	-	26	1	-	-	1	-	-	-	1	1	-	-	-	-	30	-	-	1	-
Ypsilanti	26	9	3	2	-	14	-	-	-	14	-	-	1	-	-	-	2	-	1	-	3	-	-	21	2	3	-	-
Chelsea	2	1	1	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Milan (Part)	2	1	-	-	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Balance of County	50	11	4	3	4	22	3	1	3	29	3	5	3	-	1	-	-	-	-	-	-	-	-	41	1	4	3	1
WAYNE	2,175	896	200	124	145	1,365	66	45	31	1,507	84	64	47	51	38	26	20	21	9	16	18	1,901	120	56	51	47		
Detroit	1,414	592	133	77	88	890	40	28	24	982	54	45	35	36	29	19	12	15	6	8	10	1,251	76	34	27	26		
Dearborn	79	37	10	7	2	56	2	2	-	60	6	1	2	1	-	-	-	-	2	2	2	74	2	1	-	2		
Hamtramck	33	9	5	-	5	19	-	-	-	19	2	3	-	1	-	1	1	-	1	-	1	29	2	-	1	1		
Highland Park	24	11	4	1	-	16	-	-	-	16	2	1	1	-	-	-	-	-	-	-	-	20	2	2	-	-		
Lincoln Park	48	16	4	2	2	24	1	-	1	26	2	3	1	-	-	-	2	-	1	-	-	35	5	1	2	5		
Wyandotte	43	15	4	2	6	27	4	2	2	35	-	-	1	-	-	-	-	-	-	-	-	36	3	-	2	2		
Allen Park	30	15	3	1	1	20	-	-	-	20	2	1	1	-	-	1	-	-	-	-	-	25	1	1	2	1		
Ecorse	21	7	1	3	1	12	1	1	-	14	1	1	1	1	-	1	-	-	1	-	1	20	1	-	-	-		
Grosse Pte. Park	9	6	1	-	1	8	1	-	-	9	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-		
Grosse Pte. Woods	4	1	-	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1		
Inkster	41	19	1	2	4	26	2	-	-	28	2	-	-	1	-	-	2	-	1	1	35	2	1	2	1			
Livonia	41	15	5	2	4	26	3	1	-	30	-	1	-	1	-	-	1	-	-	-	2	36	1	-	2	2		
River Rouge	25	10	4	-	2	16	1	-	1	18	1	-	-	-	2	-	-	-	-	-	-	21	2	1	-	1		
Garden City	36	13	4	3	5	25	1	1	-	27	-	1	-	1	2	2	-	1	-	1	-	35	1	-	-	-		
Grosse Pte.	4	2	-	-	2	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-		
Grosse Pte. Farms	5	1	-	-	-	1	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	1		
Melvindale	13	7	1	-	-	8	2	-	-	10	-	2	-	1	-	-	-	-	-	-	-	13	-	-	-	-		
Northville (Part)	5	1	1	-	1	3	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-		
Plymouth	10	5	1	-	-	8	1	1	-	10	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-		
Trenton	9	5	3	-	-	8	-	-	-	8	1	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-		
Wayne	24	8	3	2	-	13	1	1	1	16	-	-	-	-	1	-	1	-	-	-	-	18	3	1	1	1		
Balance of County	257	101	12	21	19	153	6	6	2	167	10	5	6	7	3	2	3	2	1	3	2	211	18	14	11	3		
WEXFORD	12	4	3	-	-	7	-	-	-	7	-	1	-	-	2	-	-	-	-	-	-	10	2	-	-	-		
Cadillac	6	2	1	-	-	3	-	-	-	3	-	1	-	-	1	-	-	-	-	-	-	5	1	-	-	-		
Balance of County	6	2	2	-	-	4	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	5	1	-	-	-		

TABLE 12 - BIRTHS, DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, MARRIAGES, AND DIVORCES, AND RATES BY COUNTY: POPULATION MICHIGAN, 1957

(Deaths exclusive of fetal deaths. Births and deaths by county of occurrence and residence. Marriages by county of license. Divorces by county of decree. Birth rate, death rate, rate of persons married, and rate of persons divorced per 1,000 population. Death rates under 1 year and under 28 days per 1,000 live births. Maternal death rates per 10,000 live births.)

AREA	Population Estimates July 1, 1957	O C C U R R E N C E				R E S I D E N C E								MARRIAGES		DIVORCES*			
		Live Births		Deaths		Live Births		Deaths				Number	Rate Persons Married	Number	Rate Persons Divorced				
		Number	Rate	Number	Rate	Number	Rate	All Ages	Infant	Neonatal	Maternal								
STATE	7,803,000	207,277	26.6	66,133	8.5	208,488	26.7	66,435	8.5	5,093	24.4	3,884	18.6	79	3.8	55,121	14.1	15,442	4.0
Alcona	5,960	64	10.7	49	8.2	135	22.7	69	11.6	2	14.8	2	14.8	-	0	54	18.1	4	1.3
Alger	9,570	125	13.1	82	8.6	224	23.4	109	11.4	6	26.8	3	13.4	1	44.6	63	13.2	4	0.8
Allegan	61,220	1,036	16.9	432	7.1	1,436	23.5	557	9.1	34	23.7	23	16.0	2	13.9	345	11.3	65	2.1
Alpena	26,090	969	37.1	289	11.1	820	31.4	257	9.9	14	17.1	12	14.6	-	0	217	16.6	21	1.6
Antrim	10,980	112	10.2	102	9.3	229	20.9	166	15.1	8	34.9	4	17.5	-	0	69	12.6	16	2.9
Arenac	9,770	142	14.5	118	12.1	224	22.9	124	12.7	4	17.9	4	17.9	-	0	71	14.5	11	2.3
Baraga	6,070	181	29.8	89	14.7	168	27.7	93	15.3	2	11.9	1	6.0	-	0	48	15.8	5	1.6
Barry	32,400	603	18.6	268	8.3	714	22.0	300	9.3	20	28.0	15	21.0	-	0	198	12.2	67	4.1
Bay	103,380	3,079	29.8	915	8.9	2,946	28.5	896	8.7	64	21.7	45	15.3	1	3.4	761	14.7	139	2.7
Benzie	8,050	176	21.9	96	11.9	173	21.5	103	12.8	2	11.6	1	5.8	-	0	76	18.9	12	3.0
Berrien	151,820	3,831	25.2	1,257	8.3	3,825	25.2	1,269	8.4	80	20.9	60	15.7	-	0	1,230	16.2	318	4.2
Branch	38,730	707	18.3	409	10.6	681	17.6	360	9.3	17	25.0	12	17.6	-	0	238	12.3	56	2.9
Calhoun	137,390	3,734	27.3	1,395	10.2	3,336	24.3	1,307	9.5	75	22.5	60	18.0	3	9.0	992	14.4	370	5.4
Cass	34,750	358	10.3	278	8.0	667	19.2	362	10.4	26	39.0	18	27.0	-	0	222	12.8	13	0.7
Charlevoix	13,750	219	15.9	123	8.9	307	22.3	163	11.9	10	32.6	8	26.1	-	0	106	15.4	17	2.5
Cheboygan	13,530	341	25.2	182	13.5	362	26.8	195	14.4	14	38.7	9	24.9	-	0	128	18.9	20	3.0
Chippewa	31,960	918	28.7	247	7.7	971	30.4	285	8.9	13	13.4	10	10.3	2	20.6	252	15.8	39	2.4
Clare	11,620	353	30.4	113	9.7	338	29.1	118	10.2	11	32.5	6	17.8	-	0	109	18.8	12	2.1
Clinton	34,620	626	18.1	307	8.9	1,050	30.3	363	10.5	20	19.0	15	14.3	-	0	230	13.3	54	3.1
Crawford	4,610	196	42.5	82	17.8	113	24.5	52	11.3	5	44.2	4	35.4	-	0	39	16.9	7	3.0
Delta	31,920	884	27.7	345	10.8	846	26.5	383	12.0	25	29.6	16	18.9	-	0	287	18.0	36	2.3
Dickinson	22,820	687	30.1	375	16.4	471	20.6	268	11.7	6	12.7	6	12.7	-	0	215	18.8	28	2.5
Eaton	50,250	624	12.4	356	7.1	1,226	24.4	471	9.4	37	30.2	27	22.0	-	0	288	11.5	70	2.8
Emmet	15,490	586	37.8	257	16.6	410	26.5	185	11.9	13	31.7	11	26.8	1	24.4	120	15.5	20	2.6
Genesee	362,810	11,988	33.0	2,512	6.9	11,650	32.1	2,602	7.2	315	27.0	229	19.7	3	2.6	2,655	14.6	939	5.2
Gladwin	9,810	152	15.5	115	11.7	249	25.4	126	12.8	9	36.1	7	28.1	-	0	71	14.5	10	2.0
Gogebic	26,200	719	27.4	363	13.9	494	18.9	335	12.8	15	30.4	12	24.3	-	0	215	16.4	26	2.0
Grand Traverse	33,080	1,137	34.4	685	20.7	774	23.4	289	8.7	20	25.8	17	22.0	-	0	273	16.5	42	2.5
Gratiot	35,130	809	23.0	407	11.6	938	26.7	394	11.2	28	29.9	17	18.1	1	10.7	299	17.0	62	3.5
Hillsdale	32,410	554	17.1	320	9.9	837	25.8	360	11.1	17	20.3	12	14.3	-	0	188	11.6	66	4.1
Houghton	33,580	766	22.8	532	15.8	686	20.4	557	16.6	16	23.3	11	16.0	1	14.6	233	13.9	22	1.3
Huron	35,730	874	24.5	300	8.4	930	26.0	321	9.0	20	21.5	11	11.8	-	0	230	12.9	27	1.5
Ingham	214,560	7,155	33.3	1,719	8.0	5,995	27.9	1,658	7.7	150	25.0	112	18.7	-	0	1,644	15.3	498	4.6
Ionia	41,550	618	14.9	375	9.0	1,094	26.3	474	11.4	31	28.3	23	21.0	-	0	272	13.1	74	3.6
Iosco	15,970	484	30.3	148	9.3	506	31.7	157	9.8	10	19.8	9	17.8	-	0	133	16.7	30	3.8
Iron	18,770	337	18.0	229	12.2	325	17.3	245	13.1	6	18.5	2	6.2	-	0	118	12.6	17	1.8
Isabella	30,260	884	29.2	274	9.1	893	29.5	307	10.1	22	24.6	12	13.4	-	0	266	17.6	49	3.2
Jackson	130,170	3,400	26.1	1,096	8.4	3,273	25.1	1,130	8.7	81	24.7	57	17.4	2	6.1	795	12.2	321	4.9
Kalamazoo	153,410	4,188	27.3	1,576	10.3	4,195	27.3	1,324	8.6	100	23.8	71	16.9	1	2.4	1,060	13.8	362	4.7
Kalkaska	4,130	98	23.7	51	12.3	90	21.8	64	15.5	-	0	-	0	-	0	36	17.4	9	4.4
Kent	346,510	10,429	30.1	3,296	9.5	9,749	28.1	3,085	8.9	225	23.1	171	17.5	-	0	2,710	15.6	695	4.0
Keweenaw	2,510	-	0	19	7.6	36	14.3	44	17.5	1	27.8	1	27.8	-	0	24	19.1	1	0.8
Lake	4,890	10	2.0	44	9.0	99	20.2	78	16.0	2	20.2	1	10.1	-	0	38	15.5	8	3.3
Lapeer	46,560	974	20.9	430	9.2	1,006	21.6	398	8.5	30	29.8	26	25.8	-	0	288	12.4	59	2.5
Leelanau	9,170	34	3.7	70	7.6	212	23.1	106	11.6	3	14.2	1	4.7	-	0	53	11.6	7	1.5
Lenawee	83,010	2,179	26.2	682	8.2	1,977	23.8	737	8.9	52	26.3	32	16.2	2	10.1	475	11.4	138	3.3
Livingston	36,090	545	15.1	280	7.8	926	25.7	338	9.4	20	21.6	11	11.9	-	0	206	11.4	58	3.2
Luce	7,420	226	30.5	200	27.0	168	22.6	60	8.1	2	11.9	2	11.9	-	0	71	19.1	5	1.3
Mackinac	10,120	247	24.4	88	8.7	291	28.8	121	12.0	6	20.6	4	13.7	-	0	77	15.2	16	3.2
Macomb	352,340	4,803	13.6	1,465	4.2	12,014	34.1	1,997	5.7	270	22.5	218	18.1	7	5.8	1,894	10.8	640	3.6
Manistee	19,690	389	19.8	241	12.2	431	21.9	251	12.7	15	34.8	7	16.2	-	0	134	13.6	12	1.2
Marquette	51,280	1,277	24.9	518	10.1	1,217	23.7	518	10.1	20	16.4	16	13.1	-	0	419	16.3	53	2.1
Mason	22,570	495	21.9	230	10.2	528	23.4	255	11.3	6	11.4	5	9.5	-	0	176	15.6	27	2.4
Mecosta	18,590	361	19.4	211	11.4	460	24.7	218	11.7	10	21.7	6	13.0	1	21.7	157	16.9	9	1.0
Menominee	26,110	762	29.2	296	11.3	619	23.7	265	10.1	13	21.0	12	19.4	1	16.2	221	16.9	20	1.5
Midland	45,990	1,519	33.0	271	5.9	1,574	34.2	325	7.1	44	28.0	37	23.5	-	0	345	15.0	46	2.0
Missaukee	7,320	7	1.0	37	5.1	177	24.2	69	9.4	5	28.2	3	16.9	-	0	58	15.8	8	2.2
Monroe	97,970	1,783	18.2	586	6.0	2,637	26.9	800	8.2	72	27.3	52	19.7	3	11.4	1,147	23.4	103	2.1
Montcalm	37,730	1,502	39.8	399	10.6	923	24.5	406	10.8	27	29.3	19	20.6	-	0	290	15.4	67	3.6
Montmorency	4,270	3	0.7	26	6.1	103	24.1	55	12.9	5	48.5	5	48.5	-	0	29	13.6	8	3.7
Muskegon	147,590	4,023	27.3	1,187	8.0	4,330	29.3	1,276	8.6	116	26.8	78	18.0	1	2.3	1,073	14.5	344	4.7
Newaygo	25,550	681	26.7	274	10.7	619	24.2	272											

TABLE 13 - BIRTHS, DEATHS, AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FATAL DEATHS BY PLACE OF RESIDENCE: DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION MICHIGAN, 1957

(Deaths exclusive of fetal deaths. Birth and death rates per 1,000 population. Death rates under 1 year and under 28 days per 1,000 live births. Maternal death rates per 10,000 live births. Place of residence according to rural areas and urban incorporated areas having a 1950 population of 2,500 or more.)

AREA	O C C U R R E N C E										R E S I D E N C E																	
	Live Births					Deaths					Live Births					Deaths												
	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate								
STATE	7,803,000	207,277	26.6	66,133	8.5	208,488	26.7	4,484	66	206,998	1,490	1,379	25	86	106,657	101,831	184,959	23,529	6,789	3,154	66,435	8.5	5,093	24.4	3,884	18.6	79	3.8
ALCONA	5,960	64	10.7	49	8.2	135	22.7	4	-	133	2	2	-	67	68	135	-	4	4	69	11.6	2	14.8	2	14.8	-	0	
ALGER	9,570	125	13.1	82	8.6	224	23.4	2	-	221	3	3	-	113	111	222	2	3	6	109	11.4	6	26.8	3	13.4	1	44.6	
ALLEGAN	6,120	125	20.6	47	11.1	105	24.9	2	-	103	2	2	-	55	50	105	2	3	6	68	12.7	6	50.4	3	25.2	-	0	
ALLEGAN	6,120	1,036	16.9	432	7.1	1,436	23.5	11	-	1,424	12	11	-	710	726	1,419	17	24	17	557	9.1	34	23.7	23	16.0	2	13.9	
ALLEGAN	5,930	538	90.7	94	15.9	1,098	18.4	1	-	1,088	1	1	-	43	66	106	3	2	11	58	9.8	1	9.2	1	9.2	-	0	
ALLEGAN	5,090	2	0.4	25	4.9	125	24.6	-	-	123	2	2	-	69	56	125	3	1	1	59	11.6	4	32.0	3	24.0	1	80.0	
ALLEGAN	3,500	354	101.1	72	20.6	1,011	28.9	-	-	101	-	-	-	46	55	100	1	-	3	33	9.4	2	19.8	1	9.9	-	0	
ALLEGAN	46,700	142	3.0	241	5.2	1,401	23.6	11	-	1,092	9	8	-	552	549	1,088	13	19	16	407	8.7	27	24.5	18	16.3	1	9.1	
ALPENA	26,090	969	37.1	289	11.1	820	31.4	21	-	820	-	-	-	396	424	820	-	11	11	257	9.9	14	17.1	12	14.6	-	0	
ALPENA	15,260	969	63.5	234	15.3	427	28.0	11	-	427	-	-	-	197	230	427	-	7	7	155	10.2	7	16.4	6	14.1	-	0	
ALPENA	10,830	-	0	55	5.1	393	36.3	10	-	393	-	-	-	199	194	393	-	4	4	102	9.4	7	17.8	6	15.3	-	0	
ANTRIM	10,980	112	10.2	102	9.3	229	20.9	6	-	228	1	1	-	119	110	223	6	5	5	166	15.1	8	34.9	4	17.5	-	0	
AREMAC	9,770	142	14.5	118	12.1	224	22.9	10	-	223	1	-	-	115	109	221	3	2	3	124	12.7	4	17.9	4	17.9	-	0	
BARAGA	6,070	181	29.8	89	14.7	168	27.7	-	-	168	-	-	-	80	88	166	2	6	-	93	15.3	2	11.9	1	6.0	-	0	
BARRY	34,400	603	18.6	268	8.3	714	22.0	20	3	709	5	2	-	372	342	712	2	18	7	300	9.3	20	28.0	15	21.0	-	0	
BARRY	7,320	599	81.8	150	20.5	127	17.3	6	-	127	-	-	-	65	62	126	1	6	1	64	8.7	3	23.6	3	23.6	-	0	
BARRY	25,080	4	0.2	118	4.7	587	23.4	14	3	582	5	2	-	307	280	586	1	12	6	236	9.4	17	29.0	12	20.4	-	0	
BAY	101,380	3,079	29.8	915	8.9	2,946	28.5	53	3	2,931	15	15	-	1,561	1,385	2,930	16	64	49	896	8.7	64	21.7	45	15.3	1	3.4	
BAY	60,380	3,069	50.8	717	11.9	1,508	25.0	31	-	1,501	7	7	-	795	713	1,493	15	62	42	572	9.5	34	22.5	24	15.9	-	0	
BAY	3,810	10	0.3	11	2.9	116	30.4	-	-	116	-	-	-	63	53	116	-	2	2	38	10.0	3	25.9	3	25.9	-	0	
BAY	39,190	1,322	33.7	22	4.8	1,314	33.7	22	-	1,314	8	8	-	703	619	1,321	1	20	15	286	7.3	27	20.4	18	13.6	1	7.6	
BENZIE	8,050	176	21.9	96	11.9	173	21.5	6	-	168	5	5	-	92	81	170	3	5	2	103	12.8	2	11.6	2	11.6	-	0	
BERRIEN	151,820	3,831	25.2	1,257	8.3	3,825	25.2	82	-	3,801	24	22	-	1,983	1,842	3,831	494	115	61	1,269	8.4	80	20.9	60	15.7	-	0	
BERRIEN	25,460	1,018	40.0	278	10.9	750	29.5	12	-	748	2	2	-	389	361	750	213	49	15	230	9.0	20	26.7	10	17.3	-	0	
BERRIEN	1,000	1,000	55.1	218	12.0	622	34.5	11	-	622	5	5	-	334	293	622	30	42	4	141	7.8	11	17.5	10	15.9	-	0	
BERRIEN	13,130	1,035	78.8	202	15.4	289	22.0	6	-	289	-	-	-	148	141	289	-	4	4	129	9.8	5	17.3	4	13.8	-	0	
BERRIEN	6,700	5	0.7	9	1.3	168	25.1	5	-	165	4	4	-	84	84	152	16	3	2	61	9.1	3	17.9	3	17.9	-	0	
BERRIEN	88,370	773	8.7	550	6.2	1,991	22.5	48	-	1,978	13	11	-	1,028	963	1,756	235	47	36	708	8.0	41	20.6	30	15.1	-	0	
BRANCH	38,730	707	18.3	409	10.6	681	17.6	17	-	678	3	3	-	343	338	680	1	15	12	360	9.3	17	25.0	12	17.6	-	0	
BRANCH	11,140	705	63.3	269	24.1	198	17.8	4	-	198	-	-	-	100	98	198	-	4	4	109	9.8	3	15.2	2	10.1	-	0	
BRANCH	27,590	2	0.1	140	5.1	483	17.5	13	-	480	3	3	-	243	240	482	1	11	10	251	9.1	14	29.0	10	20.7	-	0	
CALHOUN	137,390	3,754	27.3	1,395	10.2	3,336	24.3	80	-	3,317	19	18	-	1,721	1,615	3,004	332	107	32	1,307	9.5	75	22.5	60	18.0	3	9.0	
CALHOUN	54,800	2,513	45.9	754	13.8	1,226	22.4	35	-	1,216	10	10	-	644	582	993	233	58	17	632	11.5	26	21.2	22	17.9	3	24.5	
CALHOUN	12,010	651	54.2	145	12.1	352	29.3	2	-	352	-	-	-	164	188	267	85	18	2	112	9.3	9	25.6	9	25.6	-	0	
CALHOUN	6,360	380	59.7	83	13.1	165	25.9	4	-	165	-	-	-	90	75	164	-	2	2	76	11.9	3	18.2	3	18.2	-	0	
CALHOUN	64,220	210	3.3	413	6.4	1,593	24.8	39	-	1,584	9	8	-	823	770	1,580	13	29	9	487	7.6	37	23.2	26	16.3	-	0	
CASS	34,750	358	10.3	278	8.0	667	19.2	16	-	660	7	6	-	344	323	592	75	19	10	362	10.4	26	39.0	18	27.0	-	0	
CASS	8,360	354	42.3	119	14.2	183	21.9	10	-	182	1	1	-	98	85	156	20	8	4	95	11.4	3	16.4	2	10.9	-	0	
CASS	26,390	4	0.2	159	6.0	484	18.3	6	-	478	6	5	-	246	238	438	46	11	6	267	10.1	23	47.5	16	33.1	-	0	
CHARLEVOIX	13,750	219	15.9	123	8.9	307	22.3	6	-	304	3	3	-	146	161	296	11	9	2	163	11.9	10	32.6	8	26.1	-	0	
CHARLEVOIX	3,090	2	0.6	22	7.1	74	23.9	2	-	72	2	2	-	32	62	72	2	1	1	62	13.6	1	13.3	1	13.3	-	0	
CHARLEVOIX	2,720	-	0	0	3.3	67	24.6	4	-	67	-	-	-	34	33	62	-	4	4	31	11.4	1	14.3	1	14.3	-	0	
CHARLEVOIX	7,940	217	27.3	92	11.6	166	20.9	4	-	165	1	1	-	80	86	162	4	4	1	90	11.3	8	48.2	6	36.1	-	0	
CHEBOYGAN	13,530	341	25.2	182	13.5	362	26.8	4	-	333	29	28	-	185	177	361	11	13	5	195	15.4	14	38.7	9	24.9	1	27.6	
CHEBOYGAN	5,700	323	56.7	121	21.2	178	31.2	2	-	166	12	12	-	89	89	177	1	4	1	86	15.1	8	44.3	6	32.6	-	0	
CHEBOYGAN	7,830	18	2.3	61	7.8	184	23.5	2	-	167	17	16	-	96	88	184	-	9	4	109	13.9	6	52.6	3	16.3	1	54.3	
CHIPPewa	31,960	918	28.7	247	7.7	971	30.4	26	-	963	8	6	-	508	463	950	21	22	17	285	8.9	13	13.4	10	10.3	2	20.6	
CHIPPewa	19,680	913	46.4	197	10.0	588																						

TABLE 13 - BIRTHS, DEATHS, AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (Continued)

AREA	Population Estimates July 1, 1957		O.C.C.U.R.E.N.C.E.				R.E.S.I.D.E.N.C.E.										D.E.A.T.H.S.												
	Number	Rate	Live Births		Deaths	Rate	Live Births		Place of Delivery		Hospital Physician	Non-hospital Total	Phys. M.D.	Wife	Other	Sex Male	Sex Female	Color White Non-White	Illegitimacy	Fetal Deaths	All Ages Number	Rate	Infant Number	Rate	Neonatal Number	Rate	Maternal Number	Rate	
			Number	Rate			Hospital	Non-hospital	Phys.	Wife																			Other
CLEVELAND	34,620	626	18.1	307	8.9	1,050	30.3	20	1,046	1,046	4	4	544	506	1,047	3	19	18	363	10.5	20	19.0	15	14.3	-	0	-	0	
St. Johns	5,310	623	117.3	162	30.5	141	26.6	-	141	141	4	4	75	66	141	3	5	5	73	13.7	3	21.3	3	21.3	-	0	-	0	
Balance of County	29,310	3	0.1	145	4.9	909	31.0	20	905	905	4	4	469	440	906	3	14	17	290	9.9	17	18.7	12	13.2	-	0	-	0	
CRANFORD	4,610	196	42.5	82	17.8	113	24.5	2	112	112	1	1	61	52	113	3	5	-	50	11.3	5	44.2	4	35.4	-	0	-	0	
DELTA	31,920	884	27.7	345	10.8	846	26.5	24	830	830	16	1	445	401	833	13	25	12	383	12.0	25	29.6	16	18.9	-	0	-	0	
Kecanaha	14,720	877	59.6	253	17.2	447	30.4	14	439	439	8	8	231	216	440	2	11	11	183	12.4	16	35.8	11	24.6	-	0	-	0	
Gladstone	4,900	2	0.4	18	3.7	191	39.0	6	189	189	2	2	108	83	189	2	5	1	43	9.6	6	15.7	3	15.7	-	0	-	0	
Balance of County	12,300	5	0.4	74	6.0	208	16.9	4	202	202	6	1	106	102	204	4	9	4	153	12.4	6	28.8	2	9.6	-	0	-	0	
DICKINSON	22,820	687	30.1	375	16.4	471	20.6	8	469	469	2	2	249	222	471	-	5	5	268	11.7	6	12.7	6	12.7	-	0	-	0	
Iron Mountain	8,700	512	58.9	161	18.5	160	18.5	4	160	160	1	1	79	82	161	-	2	3	50	10.0	3	21.0	3	21.0	-	0	-	0	
Kingsford	4,980	-	0	9	1.8	143	28.7	2	143	143	1	1	88	55	143	-	1	1	40	13.6	1	14.9	1	14.9	-	0	-	0	
Norway	2,940	175	59.5	46	15.6	66	22.8	2	66	66	1	1	34	33	67	-	1	1	68	11.0	2	20.0	2	20.0	-	0	-	0	
Balance of County	6,200	45	7.3	45	7.3	100	16.1	-	100	100	-	-	48	52	100	-	3	3	68	11.0	2	20.0	2	20.0	-	0	-	0	
BAYON	50,250	624	12.4	356	7.1	1,226	24.4	32	1,219	1,219	7	4	625	601	1,221	5	27	15	471	9.4	37	30.2	27	22.0	-	0	-	0	
Charlotte	8,050	361	44.8	134	16.6	177	22.0	6	177	177	1	1	89	88	173	4	4	98	12.2	5	28.2	4	22.6	-	0	-	0		
Easton Rapids	4,330	247	57.0	52	12.0	111	25.9	10	111	111	1	1	54	58	112	-	5	1	34	12.3	3	26.8	2	17.9	-	0	-	0	
Grand Lodge	5,170	29	0.5	29	0.5	138	23.9	2	137	137	1	1	65	73	138	-	2	3	49	8.5	3	21.7	2	14.5	-	0	-	0	
Balance of County	32,100	16	0.5	141	4.4	799	24.9	14	794	794	5	3	417	382	798	-	16	11	270	8.4	26	32.5	19	23.8	-	0	-	0	
EMMET	15,490	586	37.8	257	16.6	410	26.5	9	406	406	4	2	198	212	392	18	15	5	185	11.9	13	31.7	11	26.8	-	0	-	0	
Potosky	6,160	583	94.6	213	34.6	166	26.9	5	166	166	4	2	81	85	156	10	8	2	78	12.7	3	30.1	5	30.1	-	0	-	0	
Balance of County	9,330	3	0.3	44	4.7	244	26.2	4	240	240	4	2	117	127	236	8	7	3	107	11.5	8	32.8	6	24.6	-	0	-	0	
GENESSE	362,810	11,988	33.0	2,512	6.9	11,650	32.1	257	11,605	11,605	45	40	5,943	5,707	10,131	1,519	393	180	2,602	7.2	315	27.0	229	19.7	-	0	-	0	
Flint	215,500	11,754	54.5	1,972	9.1	6,312	29.3	126	6,287	6,287	29	25	3,205	3,107	4,822	1,490	300	104	1,578	7.0	175	27.7	128	20.3	-	0	-	0	
Ponton	2,800	7	0.3	43	7.4	259	44.7	4	257	257	2	2	145	114	259	-	3	2	62	10.3	5	19.3	3	11.9	-	0	-	0	
Mount Morris	4,810	232	47.8	4	0.9	276	60.1	4	276	276	1	1	147	130	277	-	4	4	23	5.0	3	10.8	3	10.8	-	0	-	0	
Balance of County	136,850	232	1.7	49	3.6	4,802	35.1	118	4,789	4,789	13	12	2,446	2,356	4,773	29	86	70	939	6.9	132	27.5	95	19.3	-	0	-	0	
GLAUCIN	9,810	152	15.5	115	11.7	247	25.4	14	247	247	2	1	133	116	249	-	8	1	126	12.8	9	36.1	7	28.1	-	0	-	0	
COBERG	26,200	719	27.4	363	13.9	494	18.9	8	492	492	2	1	258	236	488	-	6	9	335	12.8	15	30.4	12	24.3	-	0	-	0	
Ironwood	11,240	168	14.9	83	7.4	237	21.1	6	236	236	1	1	133	104	237	-	4	2	147	13.1	5	21.1	4	16.9	-	0	-	0	
Bessemer	3,390	9	0.3	15	4.4	65	19.2	2	65	65	1	1	34	31	64	-	2	1	39	11.5	3	46.2	3	46.2	-	0	-	0	
Wakefield	3,260	319	97.9	131	40.2	62	19.0	2	62	62	1	1	33	29	61	-	1	1	51	15.6	5	32.3	2	32.3	-	0	-	0	
Balance of County	8,310	232	27.9	134	16.1	130	15.6	2	129	129	1	1	58	72	126	-	4	3	98	11.8	5	38.5	5	38.5	-	0	-	0	
GRAND TRAVERSE	35,080	1,137	34.4	685	20.7	774	23.4	24	773	773	1	1	377	397	770	-	4	10	289	8.7	20	25.8	17	22.0	-	0	-	0	
Traverse City	19,270	1,136	59.0	596	30.9	368	30.0	18	365	365	1	1	194	192	384	-	2	17	171	8.9	9	23.3	10	25.8	-	0	-	0	
Balance of County	13,810	1	0.1	89	6.4	388	28.1	6	388	388	1	1	183	205	386	-	2	14	7	118	8.5	11	28.4	8	12.5	-	0	-	0
GRANT	35,130	809	23.0	407	11.6	938	26.7	10	920	920	18	18	493	445	935	3	19	14	394	11.2	28	29.9	17	18.1	-	0	-	0	
Alma	8,680	792	91.2	246	28.3	222	25.8	2	222	222	2	2	112	112	223	-	4	3	92	10.6	3	13.4	2	8.9	-	0	-	0	
St. Louis	3,530	1	0.3	34	9.6	83	24.1	2	83	83	2	2	43	42	84	-	1	4	43	12.2	3	35.3	2	23.5	-	0	-	0	
Balance of County	22,920	16	0.7	127	5.5	629	27.4	6	615	615	14	14	338	291	628	-	15	7	259	11.3	22	35.0	13	20.7	-	0	-	0	
HILLSDALE	32,410	554	17.1	320	9.9	837	25.8	10	837	837	-	-	424	413	837	-	9	12	360	11.1	17	20.3	12	14.3	-	0	-	0	
Hilledale	7,400	554	74.9	146	19.7	196	26.5	2	196	196	-	-	107	89	196	-	3	4	76	10.3	4	20.4	4	20.4	-	0	-	0	
Balance of County	25,010	-	0	174	7.0	641	25.6	8	641	641	-	-	317	324	641	-	6	8	284	11.4	13	20.3	8	12.5	-	0	-	0	
HOUGHTON	33,580	766	22.8	532	15.8	686	20.4	12	686	686	-	-	348	338	684	-	2	9	557	16.6	16	23.3	11	16.0	-	0	-	0	
Hancock	4,650	472	106.1	185	41.6	97	22.0	-	97	97	-	-	50	48	98	-	2	2	85	19.1	3	30.6	3	30.6	-	0	-	0	
Houghton	3,470	9	0.3	16	4.6	46	13.4	2	46	46	1	1	32	34	66	-	1	2	50	14.4	1	15.2	-	0	-	0	-	0	
Laurium	2,670	294	110.1	142	53.2	66	24.7	2	66	66	-	-	42	42	84	-	2	2	63	23.6	1	15.2	-	0	-	0	-	0	
Balance of County	22,990	-	0	189	8.2	425	18.5	8	425	425	-	-	220	205	423	-	6	5	359	15.6									

TABLE 13 - BIRTHS, DEATHS, AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS UNDER 1 YEAR, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (Continued)

AREA	O C C U R R E N C E										R E S I D E N C E														
	Live Births					Deaths					Live Births					Deaths									
	Number	Rate	Number	Rate	Population July 1, 1957	Number	Rate	Number	Rate	Population July 1, 1957	Number Born in Hospital	Number Born in Non-Hospital	Total	Sex Male	Sex Female	Color White	Color Non-White	Illegitimacy	Fetal Deaths	All Ages	Infant	Neonatal	Maternal		
IRON	18,770	337	18.0	229	12.2	18,770	229	12.2	18,770	323	2	2	4	162	163	325	3	5	8	245	6	18.5	2	6.2	0
Iron River	4,260	1	0.2	45	10.6	4,260	45	10.6	4,260	89	1	1	2	38	52	90	0	2	2	37	0	0	0	0	0
Balance of County	14,510	336	23.2	184	12.7	14,510	184	12.7	14,510	234	1	1	2	124	111	235	0	3	6	188	6	25.5	2	8.5	0
ISABELLA	30,260	884	29.2	274	9.1	30,260	884	29.2	30,260	889	4	4	8	464	429	871	22	18	16	307	22	24.6	12	13.4	0
Mount Pleasant	18,190	880	72.9	145	12.0	18,190	880	72.9	18,190	325	4	4	8	173	152	319	16	7	3	116	7	21.5	5	15.4	0
Balance of County	12,070	4	0.2	129	7.1	12,070	4	0.2	12,070	564	4	4	8	291	277	552	6	11	13	191	15	26.4	7	12.3	0
JACKSON	130,170	3,400	26.1	1,096	8.4	130,170	3,400	26.1	130,170	3,262	11	9	20	1,696	1,577	3,104	169	87	47	1,130	81	24.7	57	17.4	2
Jackson	61,320	3,362	54.8	760	12.4	61,320	3,362	54.8	61,320	1,387	4	4	8	703	688	1,225	166	67	23	602	35	25.2	28	20.1	0
Balance of County	68,850	38	0.6	336	4.9	68,850	38	0.6	68,850	1,875	7	5	12	993	889	1,879	3	20	22	528	46	24.4	29	15.4	10.6
KALAMAZOO	153,410	4,188	27.3	1,576	10.3	153,410	4,188	27.3	153,410	4,181	14	11	25	2,122	2,073	3,983	212	104	50	1,324	86	21.8	71	16.9	1
Kalamazoo	75,020	3,362	54.8	760	12.4	75,020	3,362	54.8	75,020	2,172	5	4	9	1,115	1,062	1,979	198	74	17	813	56	25.7	40	18.4	2.4
Balance of County	78,390	168	2.1	329	4.2	78,390	168	2.1	78,390	2,009	9	7	16	1,007	1,011	2,004	14	30	33	511	65	21.8	44	15.4	5.0
KALKASKA	4,130	98	23.7	51	12.3	4,130	98	23.7	4,130	89	1	1	2	51	39	89	1	5	2	64	15.5	0	0	0	0
Kent	346,510	10,429	30.1	3,296	9.5	346,510	10,429	30.1	346,510	9,711	38	37	75	4,975	4,774	9,203	546	246	137	3,085	8.9	23.1	171	17.5	0
Grand Rapids	212,270	7,767	36.6	2,147	10.1	212,270	7,767	36.6	212,270	5,513	19	19	38	2,834	2,700	5,002	532	196	81	2,056	9.7	14.5	26.2	104	18.8
E. Grand Rapids	127,000	2,610	360.5	437	60.4	127,000	2,610	360.5	127,000	1,882	7	7	14	86	99	185	0	0	1	68	9.4	3	16.2	3	16.2
Balance of County	2,510	52	0.4	712	5.6	2,510	52	0.4	2,510	4,011	19	18	37	2,055	1,975	4,016	14	50	55	961	7.6	19.1	64	15.9	0
KENOSHA	2,510	0	0	19	7.6	2,510	0	0	2,510	36	0	0	0	23	13	36	0	0	1	44	17.5	1	27.8	0	0
Lake	4,890	10	2.0	44	9.0	4,890	10	2.0	4,890	99	0	0	0	49	50	76	23	6	6	78	16.0	2	20.2	1	10.1
Lapeer	46,560	974	20.9	430	9.2	46,560	974	20.9	46,560	982	24	21	45	511	495	996	10	17	14	398	8.5	30	29.8	26	25.8
Balance of County	38,540	805	100.4	231	28.8	38,540	805	100.4	38,540	174	5	4	9	98	81	177	2	5	3	77	9.6	8	44.7	7	39.1
LEELANAU	9,170	34	3.7	70	7.6	9,170	34	3.7	9,170	808	19	17	36	413	414	819	8	12	11	321	8.3	22	26.6	19	23.0
LENAWEE	83,010	2,179	26.2	682	8.2	83,010	2,179	26.2	83,010	2,099	3	2	5	116	96	203	9	9	4	106	11.6	3	14.2	1	4.7
Adrian	23,950	1,093	45.6	285	10.2	23,950	1,093	45.6	23,950	1,956	21	18	39	1,010	967	1,964	13	39	32	737	8.9	52	26.3	32	16.2
Hudson	3,390	328	98.8	81	15.2	3,390	328	98.8	3,390	546	8	6	14	238	296	546	8	16	12	201	8.4	18	32.5	12	21.7
Tecumseh	50,340	108	112.6	109	20.3	50,340	108	112.6	50,340	61	18.0	0	0	34	27	61	0	0	1	36	10.6	5	82.0	3	49.2
Balance of County	36,090	158	31.1	277	5.3	36,090	158	31.1	36,090	1,135	13	12	25	597	551	1,143	5	19	17	443	8.8	28	24.4	17	14.8
LIVINGSTON	36,090	545	15.1	280	7.8	36,090	545	15.1	36,090	915	11	10	21	487	439	920	6	14	21	338	9.4	20	21.6	11	11.9
Howell	5,890	508	86.2	119	20.2	5,890	508	86.2	5,890	144	4	4	8	77	69	146	6	6	4	70	11.9	2	13.7	1	6.8
Balance of County	38,200	37	1.2	161	5.3	38,200	37	1.2	38,200	771	9	8	17	410	370	774	6	8	17	268	8.9	18	23.1	10	12.8
LUCY	7,420	226	30.5	200	27.0	7,420	226	30.5	7,420	167	1	1	2	83	85	159	9	10	4	60	8.1	2	11.9	2	11.9
Balance of County	4,800	223	85.1	47	17.9	4,800	223	85.1	4,800	87	1	1	2	46	42	83	5	5	2	33	12.6	1	12.5	1	12.5
MACHECUM	10,120	247	24.4	88	8.7	10,120	247	24.4	10,120	285	6	6	12	165	126	284	7	7	3	121	12.0	6	20.6	4	13.7
St. Ignace	3,390	230	67.8	42	12.4	3,390	230	67.8	3,390	127	2	2	4	63	64	125	2	2	2	32	9.4	0	0	0	0
Balance of County	6,730	17	2.5	46	6.8	6,730	17	2.5	6,730	158	6	6	12	102	62	159	5	4	1	89	13.2	6	36.6	4	24.4
MACOMB	352,340	4,803	13.6	1,465	4.2	352,340	4,803	13.6	352,340	11,962	52	51	103	6,059	5,955	11,754	260	135	148	1,997	5.7	270	22.5	218	18.1
East Detroit	43,030	0	0	61	1.4	43,030	0	0	43,030	1,833	45	1	46	955	879	1,831	3	27	15	258	6.0	54	29.4	46	25.1
Mount Clemens	25,550	3,747	146.7	764	29.1	25,550	3,747	146.7	25,550	1,812	9	9	18	915	906	1,662	159	54	14	251	9.8	22	12.1	20	11.0
Roseville	41,760	4	0.1	37	0.9	41,760	4	0.1	41,760	1,729	7	7	14	849	887	1,721	15	14	25	197	4.7	39	22.5	27	15.6
St. Clair Shores	62,360	11	0.2	79	1.3	62,360	11	0.2	62,360	2,700	11	11	22	1,373	1,338	2,702	9	8	30	319	5.1	70	25.8	59	21.8
Centerline	10,930	1	0.1	7	0.6	10,930	1	0.1	10,930	572	3	4	7	289	287	576	0	0	6	70	6.4	8	13.9	0	0
Romeo	3,990	1,037	6.3	507	7.1	3,990	1,037	6.3	3,990	3,153	17	17	34	74	92	157	9	3	2	44	11.0	5	30.1	4	26.1
Balance of County	164,720	1,037	6.3	507	7.1	164,720	1,037	6.3	164,720	3,153	17	17	34	1,604	1,566	3,105	65	41	56	858	5.2	72	22.7	56	17.7
MANISTEE	19,690	389	19.8	241	12.2	19,690	389	19.8	19,690	428	3	3	6	209	222	421	10	6	10	251	12.7	15	34.8	7	16.2
Manistee	9,170	342	37.3	139	15.2	9,170	342	37.3	9,170	184	2	2	4	82	102	182	8	2	7	115	12.5	6	32.6	3	16.3
Balance of County	10,520	47	4.5	102	9.7	10,520	47	4.5	10,520	244	3	3	6	127	120	239	2	4	3	136	10.9	9	36.4	4	16.2
MARQUETTE	51,280	1,277	24.9	518	10.1	51,280	1,277	24.9	51,280	1,213	4	3	7	611	606	1,198	19	25	20	518	10.9	20	16.4	16	13.1
Marquette	18,700	832	44.5	262	12.9	18,700	832	44.5	18,700	459	4	4	8	235	225	447	13	12	6	186	9.9	8	17.4	8	15.2
Iskipping	9,690	443	45.7	162	16.7	9,690	443	45.7	9,690	257	1	1	2	139	119	257	7	5	2	101	10.4	2	7.8		

TABLE 13 - BIRTHS, DEATHS, AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE. DEATHS UNDER 1 YEAR, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (Continued)

AREA	O C C U R R E N C E										R E S I D E N C E															
	Live Births					Deaths					Live Births					Deaths										
	Number	Rate	Number	Rate	Rate	Number Born in Plural Births	Number Born in Triplets	Hospital Physician	Total	Phys.	Midwife	Other	Sex Male	Sex Female	Color White	Color Non-White	Illegitimacy	Fetal Deaths	All Ages Number	Rate	Infant Number	Rate	Neonatal Number	Rate	Maternal Number	Rate
ST. CLAIR	99,760	2,500	25.1	1,014	10.2	2,657	26.6	14	12	1	1	1,348	1,309	2,581	76	65	42	1,079	10.8	53	19.9	43	16.2	-	0	-
Fort Huron	38,530	1,645	42.7	619	16.1	195	5.0	2,643	2	2	1	477	461	890	48	34	4	413	10.7	16	17.1	16	17.1	-	0	-
Algonac	2,930	1	0.3	16	5.3	358	24.3	936	2	1	1	73	75	148	-	2	4	48	16.4	1	6.8	1	6.8	-	0	-
Marine City	4,950	-	-	32	6.3	189	38.2	189	-	-	-	103	86	189	-	1	-	58	11.7	1	5.3	1	5.3	-	0	-
Marysville	2,800	-	-	0	0	102	36.4	102	-	-	-	68	54	102	-	2	-	20	7.1	2	19.6	2	19.6	-	0	-
St. Clair	4,680	546	116.7	45	9.6	198	42.3	198	-	-	-	104	94	198	-	2	-	54	11.5	4	20.2	4	20.2	-	0	-
Balance of County	45,870	308	6.7	292	6.4	1,082	23.6	1,071	11	1	1	543	539	1,054	28	23	26	486	10.6	29	26.8	19	17.6	-	0	-
ST. JOSEPH	46,750	1,126	24.1	468	10.0	995	21.3	977	18	18	-	518	477	982	13	22	16	493	10.5	26	26.1	20	20.1	-	0	-
Sturgis	18,400	601	32.8	158	8.5	208	20.0	208	1	1	-	109	99	208	4	3	1	102	9.8	4	19.2	4	19.2	-	0	-
Three Rivers	8,870	510	57.8	156	17.6	170	19.2	169	1	1	-	101	69	166	4	6	1	91	10.3	1	5.9	1	5.9	-	0	-
Balance of County	27,480	15	0.5	154	5.6	617	22.5	600	17	17	-	308	309	608	9	13	15	300	10.9	21	34.0	15	24.3	-	0	-
SANTLAC	34,030	739	21.7	317	9.3	807	23.7	788	19	18	-	416	391	806	1	13	12	394	11.6	24	29.7	18	22.3	-	0	-
SCHOOLCRAFT	8,620	324	37.6	111	12.9	265	30.7	263	2	2	-	125	140	261	4	7	3	94	10.9	6	22.6	5	18.9	-	0	-
Manistiquette	4,780	324	67.8	94	19.7	176	36.8	174	2	-	-	80	96	173	3	6	2	58	12.1	3	17.0	3	17.0	-	0	-
Balance of County	3,840	-	-	17	4.4	89	23.2	89	-	-	-	45	44	88	1	1	2	36	9.4	3	33.7	2	22.5	-	0	-
SHIAMSSEE	56,470	1,457	25.8	475	8.4	1,458	25.8	1,436	22	20	-	716	742	1,458	-	21	15	505	8.9	27	18.5	20	13.7	-	0	-
Oososis	19,910	1,264	62.5	247	12.4	514	26.2	514	7	7	-	259	282	521	-	8	2	186	9.3	7	13.4	5	9.6	-	0	-
Durand	3,910	196	50.1	54	13.8	94	24.0	94	-	-	-	48	65	94	-	2	1	41	10.5	3	31.9	2	21.3	-	0	-
Balance of County	32,650	17	0.5	174	5.3	828	25.8	828	15	13	-	408	435	843	-	11	7	278	8.5	17	20.2	13	15.4	-	0	-
TUSCOLA	45,420	633	13.9	407	9.0	1,091	24.0	1,075	16	14	-	562	529	1,084	7	18	16	451	9.9	26	23.8	19	17.4	-	0	-
Caro	4,050	293	72.3	62	15.3	81	20.0	81	-	-	-	40	61	81	2	3	3	51	12.6	4	49.4	4	49.4	-	0	-
Vassar	3,080	39	12.7	97	31.5	97	31.5	97	-	-	-	47	50	97	2	1	1	38	12.3	3	30.9	3	30.9	-	0	-
Balance of County	38,290	339	8.9	306	8.0	913	23.8	897	16	14	-	475	438	909	4	17	12	362	9.5	19	20.8	14	15.3	-	0	-
VAN BUREN	53,190	894	16.8	518	9.7	1,115	21.0	1,106	9	6	-	577	538	1,046	71	25	22	596	11.2	27	24.2	21	18.8	-	0	-
South Haven	7,670	454	59.2	147	19.2	115	15.1	115	1	1	-	68	48	102	14	20	17	79	10.3	11	64.8	10	86.2	-	0	-
Balance of County	45,520	440	9.7	371	8.2	999	21.9	991	8	5	-	509	490	942	57	20	15	517	11.4	16	16.0	11	11.0	-	0	-
WASHINGTON	155,970	7,151	45.8	2,284	14.6	4,601	29.5	4,586	15	15	-	2,299	2,302	4,171	430	136	63	1,128	7.2	96	20.9	73	15.9	-	0	-
Ann Arbor	54,460	3,818	70.1	1,231	22.6	4,581	29.0	4,576	5	5	-	807	774	1,437	124	41	20	414	7.6	30	19.0	26	16.4	-	0	-
Ypsilanti	22,780	2,781	121.7	279	12.2	804	35.2	802	2	2	-	403	401	618	186	56	3	205	9.0	21	26.1	14	17.4	-	0	-
Chelsea	2,780	1	0.4	54	19.4	92	33.5	92	1	1	-	47	46	92	2	2	2	49	17.6	2	21.5	2	21.5	-	0	-
Milam (Part)	2,370	-	-	0	0	80	34.2	80	1	1	-	43	38	80	3	3	2	24	10.1	2	24.7	2	24.7	-	0	-
Balance of County	73,510	551	7.5	712	9.7	2,042	27.8	2,036	6	6	-	999	1,043	1,926	116	34	29	436	5.9	41	20.1	29	14.2	-	0	-
WAYNE	2,843,890	83,431	29.3	23,992	8.4	71,567	25.2	70,971	596	575	9	36,821	34,746	54,970	16,597	3,612	1,235	23,810	8.4	1,901	26.6	1,507	21.1	-	39	5.4
Detroit	1,927,500	61,733	32.0	17,409	9.0	44,736	23.2	44,230	506	490	6	22,899	21,837	29,533	15,203	3,127	833	17,837	9.3	1,251	28.0	982	22.0	-	23	5.1
Dearborn	1,297,700	4,016	31.0	650	5.0	4,467	34.4	4,453	14	14	-	2,323	2,144	4,457	10	54	46	885	6.7	74	16.6	60	13.4	-	1	2.2
Hamtramck	39,500	929	23.5	372	9.4	899	22.5	899	4	4	-	492	411	741	162	21	23	482	11.7	29	32.1	16	13.0	-	0	-
Highland Park	45,500	6,510	143.1	873	19.2	792	17.5	792	5	4	-	417	380	600	197	40	15	478	10.5	30	25.1	16	20.1	-	1	12.5
Lincold Park	54,080	273	5.0	129	2.4	1,478	27.3	1,474	4	3	-	756	722	1,476	3	16	14	301	5.6	33	23.7	26	17.6	-	1	6.8
Wyandotte	49,540	3,235	65.3	483	9.7	1,840	37.1	1,836	4	2	-	971	869	1,837	3	30	23	357	7.2	38	19.6	35	19.0	-	2	10.8
Allen Park	40,010	2	0.0	518	12.9	929	23.2	925	4	4	-	490	439	926	3	30	13	132	3.8	23	28.3	20	21.5	-	0	-
Ecorse	18,500	1	0.1	39	2.1	522	28.2	520	2	2	-	267	255	374	148	30	11	142	7.7	20	35.3	16	29.1	-	1	19.2
Grosse Pte. Park	15,910	-	-	0	0	191	12.0	191	-	-	-	109	82	191	-	-	3	159	10.0	9	47.1	9	47.1	-	0	-
Grosse Pte. Woods	17,440	-	-	0	0	60	3.8	60	-	-	-	171	119	290	-	-	3	99	5.7	2	6.2	2	6.2	-	0	-
Inkster	30,340	56	1.8	34	1.1	290	16.6	290	10	10	-	831	722	1,076	477	90	29	192	6.3	33	22.3	28	18.0	-	0	-
Livonia	48,910	3	0.1	140	2.9	1,553	31.0	1,543	4	4	-	911	830	1,740	1	12	16	244	5.0	36	20.7	30	17.2	-	1	5.7
River Rouge	21,330	415	19.5	70	3.3	1,741	35.6	1,737	4	4	-	310	288	405	193	48	15	181	8.5	21	35.1	18	30.1	-	0	-
Garden City	25,240	1,114	44.1	56	2.2	1,996	28.0	1,991	3	3	-	1,016	980	1,991	5	14	15	145	5.7	35	17.3	27	13.1	-	0	-
Grosse Pointe	10,320	1,464	141.9	274	26.6	261	25.3	261	4	4	-	135	126	261	-	4	4	124	12.0	4	15.3	4	15.3	-	0	-
Grosse Pte. Farms	14,350	881	61.1	179	12.5	130	9.1	129	1	1	-	70	60	130	-	-	4	87	6.1	3	23.1	3	23.1	-	0	-
Melvindale	14,420	-	-	0	0	376	26.1	376	1	1	-	183	193	372	4	7	10	66	4.6	13	34.6	10	26.6	-	0	-</

TABLE 14 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM
MICHIGAN, 1957

AGE (YEARS)	B R I D E						G R O O M					
	Total	Order of Marriage					Total	Order of Marriage				
		First	Second	Third	Fourth or More	Not Stated		First	Second	Third	Fourth or More	Not Stated
ALL AGES	55,121	43,258	9,418	2,098	320	27	55,121	43,714	9,225	1,848	298	36
15 - 19	21,232	20,885	329	4	-	14	7,166	7,141	22	-	-	3
20 - 24	18,529	16,879	1,543	94	4	9	24,252	23,310	891	26	2	23
25 - 29	5,191	3,298	1,676	195	20	2	10,472	8,729	1,627	102	6	8
30 - 34	2,813	1,127	1,351	291	44	-	4,097	2,427	1,447	203	20	-
35 - 39	2,075	509	1,178	336	51	1	2,395	985	1,134	238	38	-
40 - 44	1,559	255	947	303	54	-	1,705	490	927	246	41	1
45 - 49	1,260	145	785	289	41	-	1,348	267	772	260	48	1
50 - 54	881	80	572	195	34	-	1,072	145	685	204	38	-
55 - 59	620	33	415	141	31	-	846	97	528	192	29	-
60 - 64	465	27	295	127	16	-	722	64	487	147	24	-
65 - 69	287	12	192	72	11	-	606	39	415	129	23	-
70 - 74	140	3	97	32	7	1	296	13	204	66	13	-
75 & Over	65	4	36	18	7	-	138	7	80	35	16	-
Not Stated	4	1	2	1	-	-	6	-	6	-	-	-

TABLE 15 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM
MICHIGAN, 1957

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	55,121	100
Both bride and groom resident of State	51,006	92.5
Bride resident, groom nonresident of State	2,227	4.1
Groom resident, bride nonresident of State	565	1.0
Both bride and groom nonresident of State	1,323	2.4
Residence status of either or both not stated	-	0

TABLE 16 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE
MICHIGAN, 1957

AREA	Divorces & Annulments	Annulments	D I V O R C E S											
			Total	Cases Contested	Granted to -		Children						5 or More	Not Stated
					Husband	Wife	0	1	2	3	4			
STATE	15,442	198	15,244	1,723	4,030	11,214	7,737	3,321	2,387	1,049	491	258	1	
Alcona	4	1	3	1	2	1	1	1	-	-	-	1	-	
Alger	4	-	4	-	1	3	3	-	-	1	-	-	-	
Allegan	65	-	65	22	21	44	30	16	6	6	3	4	-	
Alpena	21	-	21	3	8	13	11	6	1	1	2	-	-	
Antrim	16	-	16	-	5	11	10	-	-	2	3	1	-	
Arenac	11	-	11	-	3	8	7	2	1	-	1	-	-	
Baraga	5	-	5	2	2	3	4	-	-	-	-	1	-	
Barry	67	1	66	14	23	43	29	16	11	3	4	3	-	
Bay	139	-	139	35	31	108	66	26	25	8	8	5	1	
Benzie	12	-	12	3	5	7	5	-	6	-	-	1	-	
Berrien	318	1	317	25	91	226	157	65	55	24	9	7	-	
Branch	56	-	56	9	15	41	17	17	10	6	5	1	-	
Calhoun	370	-	370	96	87	283	173	92	65	22	12	6	-	
Cass	13	-	13	-	4	9	5	4	1	2	1	-	-	
Charlevoix	17	1	16	8	5	11	5	1	7	1	2	-	-	
Cheboygan	20	-	20	-	5	15	12	4	-	2	2	-	-	
Chippewa	39	-	39	-	11	28	20	2	10	5	1	1	-	
Clare	12	-	12	1	6	6	10	1	1	-	-	-	-	
Clinton	54	-	54	10	16	38	17	8	17	6	2	4	-	
Crawford	7	-	7	-	4	3	4	1	2	-	-	-	-	
Delta	36	-	36	-	11	25	14	11	4	5	1	1	-	
Dickinson	28	-	28	2	7	21	14	3	7	1	1	2	-	
Eaton	70	-	70	13	19	51	29	15	18	7	1	-	-	
Emmet	20	1	19	2	5	14	10	5	4	-	-	-	-	
Genesee	939	12	927	240	258	669	465	206	160	66	26	4	-	
Gladwin	10	-	10	1	2	8	4	2	3	1	-	-	-	
Gogebic	26	-	26	14	8	18	13	6	4	1	2	-	-	
Grand Traverse	42	-	42	6	9	33	16	15	5	3	2	1	-	
Gratiot	62	-	62	1	22	40	25	9	15	6	3	4	-	
Hillsdale	66	2	64	14	17	47	29	16	11	3	1	4	-	
Houghton	22	-	22	8	5	17	10	7	3	-	2	-	-	
Huron	27	-	27	10	7	20	8	5	8	2	3	1	-	
Ingham	498	7	491	58	99	392	239	102	82	34	26	8	-	
Ionia	74	1	73	9	25	48	35	19	10	5	3	1	-	
Iosco	30	-	30	7	17	13	17	6	3	2	-	2	-	
Iron	17	-	17	5	2	15	5	6	2	2	2	-	-	
Isabella	49	-	49	-	13	36	23	13	7	2	2	2	-	
Jackson	321	2	319	7	87	232	165	69	45	24	10	6	-	
Kalamazoo	362	-	362	3	84	278	171	73	56	37	18	7	-	
Kalkaska	9	-	9	2	-	9	1	4	-	3	-	1	-	
Kent	695	19	676	212	134	542	317	160	109	53	24	13	-	
Keweenaw	1	-	1	-	-	1	1	-	-	-	-	-	-	
Lake	8	-	8	-	-	8	4	2	1	1	-	-	-	
Lapeer	59	-	59	14	16	43	21	16	14	3	3	2	-	
Leelanau	7	-	7	-	1	6	3	2	1	-	-	1	-	
Lenawee	138	2	136	39	45	91	65	30	22	7	8	4	-	
Livingston	58	-	58	-	22	36	25	16	7	5	1	4	-	
Luce	5	-	5	-	-	5	1	-	1	3	-	-	-	
Mackinac	16	-	16	6	4	12	6	4	2	2	2	-	-	
Macomb	640	5	635	26	145	490	296	142	112	57	20	8	-	
Manistee	12	-	12	1	5	7	8	2	-	1	1	-	-	
Marquette	53	1	52	1	17	35	19	13	13	-	6	1	-	
Mason	27	-	27	4	11	16	16	1	4	4	1	1	-	
Mecosta	9	-	9	1	2	7	2	2	1	-	1	3	-	
Memominee	20	-	20	4	8	12	8	3	5	2	1	1	-	

TABLE 16 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE (Continued)

AREA	Divorces & Annulments	Annulments	D I V O R C E S												
			Total	Cases Contested	Granted to -		Children							5 or More	Not Stated
					Husband	Wife	0	1	2	3	4				
Midland	46	-	46	2	12	34	25	11	5	2	2	1	-		
Missaukee	8	-	8	3	4	4	4	1	2	1	-	-	-		
Monroe	103	-	103	24	26	77	39	19	23	11	10	1	-		
Montcalm	67	2	65	4	19	46	29	13	12	8	2	1	-		
Montmorency	8	-	8	-	2	6	3	2	1	1	1	-	-		
Muskegon	344	6	338	33	97	241	164	70	44	33	16	11	-		
Newaygo	41	-	41	2	13	28	20	7	7	3	3	1	-		
Oakland	1,342	18	1,324	226	332	992	606	323	229	106	37	23	-		
Oceana	23	-	23	6	6	17	10	9	2	1	1	-	-		
Ogemaw	9	-	9	-	2	7	7	2	-	-	-	-	-		
Ontonagon	10	-	10	1	4	6	5	1	1	2	1	-	-		
Osceola	12	-	12	-	1	11	5	1	3	2	-	1	-		
Oscoda	3	-	3	-	1	2	3	-	-	-	-	-	-		
Otsego	4	-	4	1	1	3	1	3	-	-	-	-	-		
Ottawa	85	-	85	2	22	63	43	20	11	6	2	3	-		
Presque Isle	5	-	5	2	-	5	2	1	1	-	1	-	-		
Roscommon	10	-	10	-	3	7	5	1	2	-	2	-	-		
Saginaw	225	1	224	41	64	160	108	47	48	12	5	4	-		
St. Clair	208	3	205	60	52	153	100	47	25	25	3	5	-		
St. Joseph	90	2	88	46	25	63	38	20	21	6	3	-	-		
Sanilac	32	-	32	11	8	24	14	8	5	2	2	1	-		
Schoolcraft	12	-	12	1	4	8	4	4	4	-	-	-	-		
Shiawassee	109	-	109	11	28	81	52	28	16	9	4	-	-		
Tuscola	56	-	56	12	17	39	25	11	9	3	5	3	-		
Van Buren	84	-	84	2	21	63	39	16	18	2	7	2	-		
Washtenaw	307	5	302	119	63	239	167	62	39	17	12	5	-		
Wayne	6,471	105	6,366	168	1,744	4,622	3,535	1,343	900	364	145	79	-		
Wexford	22	-	22	7	7	15	13	4	2	2	1	-	-		