

VELMA FLOCH

1967

**MICHIGAN
HEALTH STATISTICS**



**MICHIGAN DEPARTMENT
OF PUBLIC HEALTH**

7



MICHIGAN HEALTH STATISTICS

Annual Statistical Report

1967

MICHIGAN CENTER for HEALTH STATISTICS
MICHIGAN DEPARTMENT OF PUBLIC HEALTH
Lansing 48914

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INTRODUCTION

The Director of Public Health "... shall collect information concerning vital statistics, knowledge respecting diseases, and all useful information on the subject of hygiene, and through an annual report ... shall disseminate such information among the people ..." (From Act 81, P.A. 1873).

This report contains health statistics concerning communicable diseases, births, deaths, fetal deaths, marriages, and divorces in Michigan during 1967 and previous years. The first four tables in this report include reference information pertaining to the years 1900-1967; the remaining tables contain detailed statistics for 1967.

TECHNICAL NOTES

1) Incomplete and Delayed Registration:

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 received too late for inclusion in annual statistics are also of minor concern. All certificates for the current year which are received during the same year or the first three months of the following year are included in the annual statistics; those received subsequently are considered negligible for statistical purposes.

2) Population Trend:

Population figures for the census years are those issued by the U.S. Census Bureau as of April 1 of the particular year. For the intercensal years between 1900 and 1960, estimates of the total population of the state are those of the U.S. Census Bureau; from 1961 through 1964, they have been prepared by the University of Michigan Population Studies Center. The 1967 state population estimate was prepared by the Michigan Center for Health Statistics, Michigan Department of Public Health.

The 1967 county population estimates have been prepared by the Michigan Center for Health Sta-

tistics. These estimates are obtained using a ratio correlation procedure. Because the degree of inaccuracy for postcensal estimates tends to vary directly with the time elapsed since the census and inversely with the size of the population; the Center for Health Statistics has not prepared city population estimates for 1964 — 1967. Usually within three or four years time post-census the seriousness of the errors for any small population are, on the average, large enough to render most uncertain comparisons of vital rates from year to year or from place to place. The value of population estimates in their numerous other applications is also impaired.

In general, estimating procedures do not always adequately measure the full extent of extreme population changes and, therefore, population estimates may be either 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 vital events, 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. Intrastate allocation for all births and deaths occurring in Michigan began in 1935; interstate allocation was started in 1950. 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 in 1949. 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 the previous residence cannot be determined, allocation is to the place of occurrence of death. 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 principal cause of death was selected by means of an arbitrary set of rules. The Sixth Revision instituted a major 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 policy of the physician specifying the under-

lying cause of death provides statistics which more accurately reflect medical opinion. In Michigan both the revised certificate form and the Sixth Revision were used beginning in 1950. The Seventh Revision (1955) with only minor classification changes was used beginning with the 1958 statistics.

The comparability of cause of death statistics over a period of years is affected by changes in classification and 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 all registered fetal deaths and the infant deaths under one week of age.

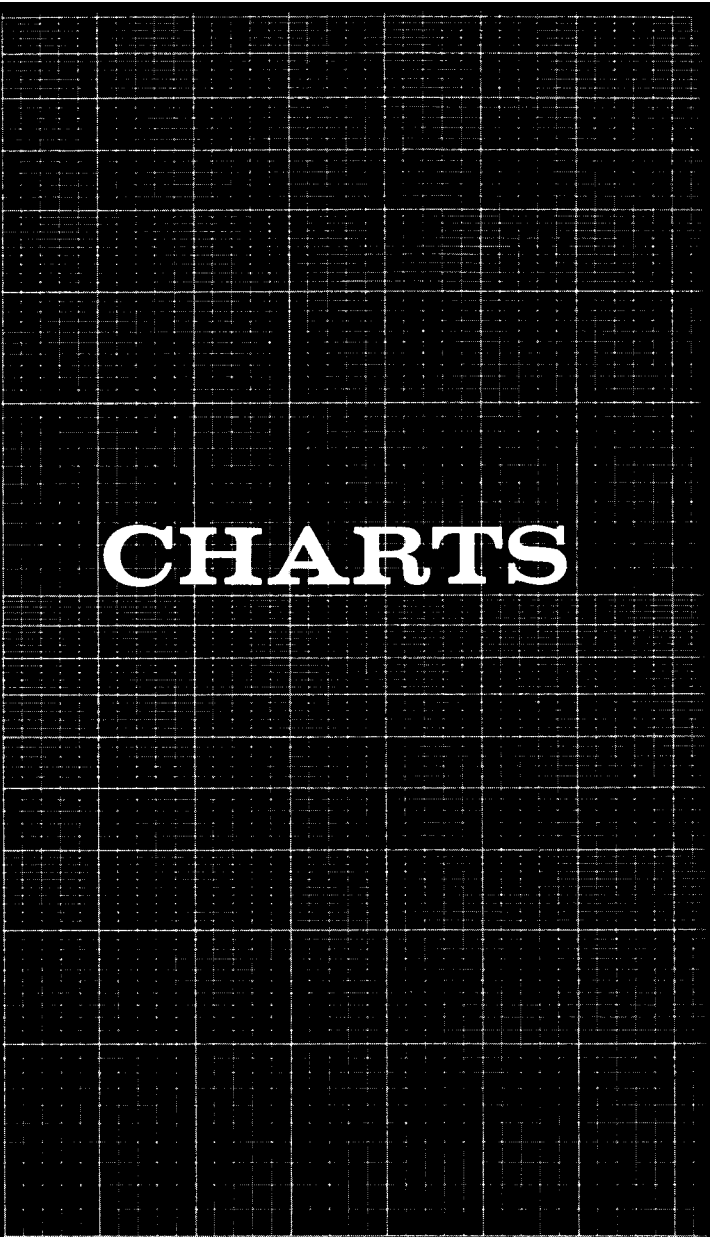
These rates were computed according to the following formula:

$$\frac{(\text{Fetal deaths} + \text{infant deaths under 1 week}) \times 1000}{\text{Fetal deaths} + \text{live births}}$$

6) Marriage and Divorce Data:

Marriage and divorce data are compiled only on the basis of occurrence in Michigan without regard to the place of residence of either of the persons involved. County data for marriages are based on the county of license and for divorces the county of decree.

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. Reports for the successive years have conformed with these revisions.



CHARTS

MICHIGAN'S HEALTH PICTURE

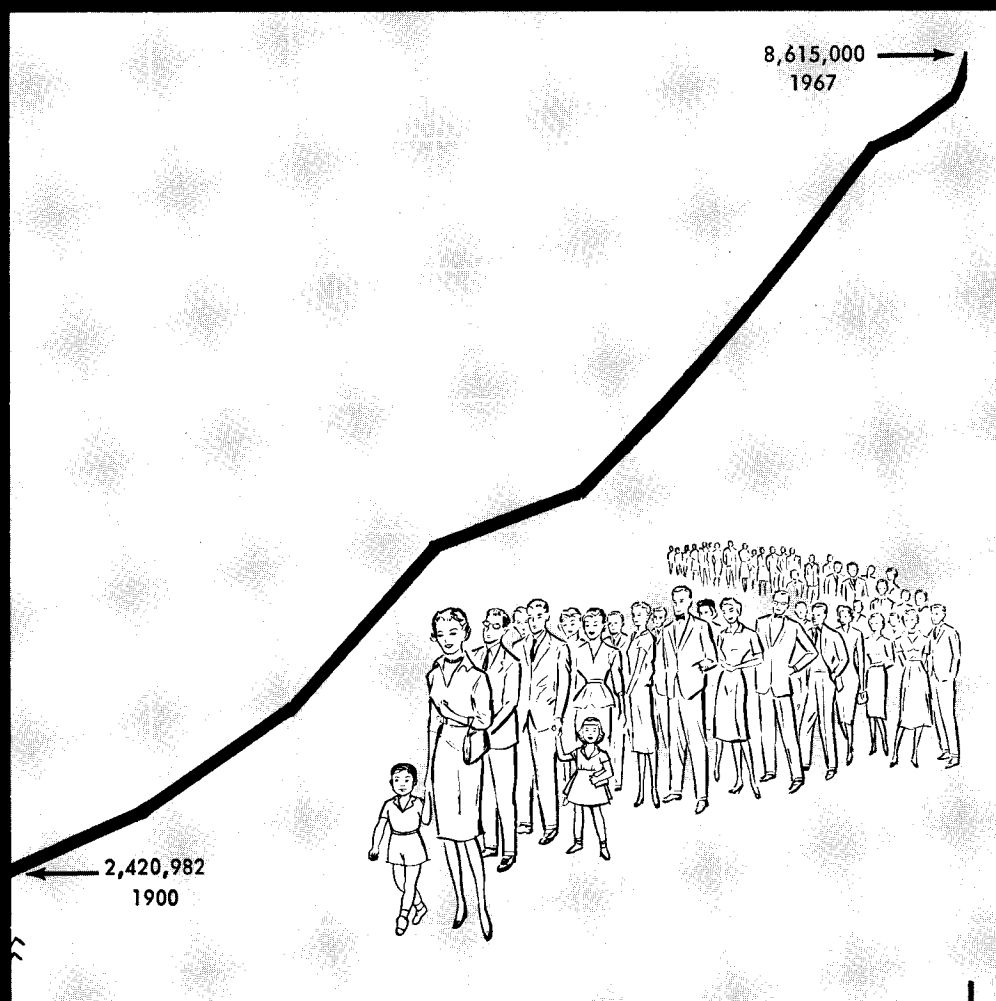
1950-1967



POPULATION	increased from 6,371,766 to 8,615,000 35% increase
LIVE BIRTHS	'50-'57 7 years uninterrupted increase '57 208,488 all time high '67 162,756 10th consecutive year of decline
BIRTHS IN HOSPITALS	97.0% in 1950; now 99.6%
ILLEGITIMACY RATIO	increased by 19.9%, from 27.6 to 82.4 <i>Handwritten: 199. 82.4 27.6 276/54.8 198.5</i>
DEATH RATE	fluctuating about the 1950 rate of 9.0; now 8.7
INFANT DEATH RATE	declined from 26.3 to 22.1; 16% decrease
MATERNAL DEATH RATE	substantial decrease of 44%, from 5.7 to 3.2
PERINATAL DEATH RATE	declined from 35.4 to 28.5
TUBERCULOSIS DEATH RATE	remarkable decrease of 87%, from 19.9 to 2.6
MARRIAGE RATE	increasing trend in last 9 years, now 19.6
DIVORCE RATE	increasing trend in last 6 years, now 5.5

(Death rate per 1,000 estimated population, illegitimacy ratio and 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 GROWING POPULATION



1967 POPULATION MORE THAN TRIPLES THAT OF 1900

Source of data: Bureau of Census decennial census counts for 1900–1960, University of Michigan Population Studies Center estimates for July 1, 1963 and July 1, 1964, Michigan Center for Health Statistics estimates for July 1, 1965 and July 1, 1966, Bureau of the Census estimate for July 1, 1967.

POPULATION TRENDS BY ECONOMIC AREAS

Michigan 1900-1967

Numerical Distribution

MICHIGAN	1900	1910	1920	1930	1940	1950	1960	1967
	2,420,982	2,810,173	3,668,412	4,842,325	5,256,106	6,371,766	7,823,194	8,615,000
TOTAL	261,362	325,628	332,556	318,676	323,544	302,258	305,952	297,400
Area 1	164,654	215,791	218,916	204,608	200,265	178,251	177,431	175,100
Area 2	96,708	109,837	113,640	114,068	123,279	124,007	128,521	122,300
TOTAL	351,673	385,609	332,837	297,318	334,343	358,788	390,260	415,900
Area 3	104,105	111,929	91,857	84,774	92,266	100,654	108,163	115,200
Area 4	247,568	273,680	240,980	212,544	242,077	258,134	282,097	300,700
TOTAL	1,807,947	2,098,936	3,003,019	4,226,331	4,598,219	5,710,720	7,126,982	7,901,700
Area 5, A, C	348,573	359,052	371,379	380,007	417,703	473,288	567,024	618,700
Area 6, B	327,668	423,971	423,971	532,676	566,566	685,967	867,838	952,600
Area 7, D, E, H	302,148	335,484	444,563	598,666	642,359	769,691	981,993	1,128,200
Area 8, F, J	562,572	743,745	1,450,442	2,592,981	2,592,981	3,318,068	4,143,121	4,406,000
Area 9, G	266,986	289,006	312,664	352,061	378,610	463,706	567,006	596,200
Metropolitan Areas	978,862	1,260,506	2,111,666	3,241,377	3,522,474	4,430,825	5,570,749	6,226,400
A - Saginaw	81,222	89,290	100,286	120,717	130,468	153,515	190,752	215,400
B - Kent	129,714	159,145	183,041	240,511	246,338	288,292	363,187	403,100
C - Bay	62,378	68,238	69,548	74,981	107,042	88,461	107,042	114,100
D - Genesee	41,804	64,555	125,668	211,641	227,944	270,963	374,313	433,400
E - Clinton, Eaton, Ingham	96,622	106,938	134,041	172,489	191,411	244,159	298,949	351,700
F - Macomb, Oakland, Wayne	426,829	613,773	1,305,798	2,177,343	2,377,329	3,016,197	3,762,360	4,172,000
G - Kalamazoo	44,310	60,427	71,225	91,368	100,085	126,707	169,712	187,300
H - Jackson	48,222	53,426	72,539	92,304	93,108	107,925	131,994	141,000
J - Washtenaw	47,761	44,714	49,520	65,530	80,810	134,606	172,440	208,000
Western (B, G)	174,024	219,572	254,266	331,879	346,423	414,999	532,899	590,400
Eastern (A, C, D, E, F, H, J)	804,838	1,040,934	1,857,400	2,909,498	3,176,051	4,015,826	5,037,850	5,636,000
Non-Metropolitan Areas	829,085	838,430	891,353	984,954	1,075,745	1,279,895	1,556,233	1,675,300
Muskegon*	37,036	40,577	62,362	84,630	94,501	121,545	149,943	154,800
All Other	792,049	797,853	828,991	900,324	981,244	1,158,350	1,406,290	1,520,500

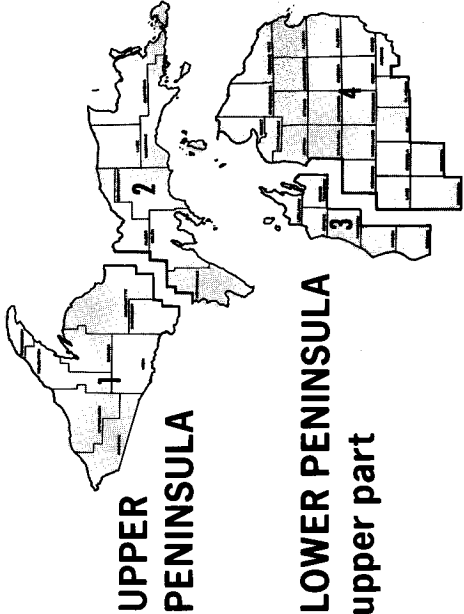
* Muskegon remained a standard metropolitan statistical area in 1960 but did not meet the 1960 census qualifications for a metropolitan economic area.

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 1967 was more than 4 times as large as in 1900. The metropolitan areas have been responsible for a considerable portion of this gain, increasing approximately sixfold from 978,862 in 1900 to 6,226,400 in 1967. Area F (Wayne, Oakland, and Macomb Counties) contributed most of the metropolitan area gain.

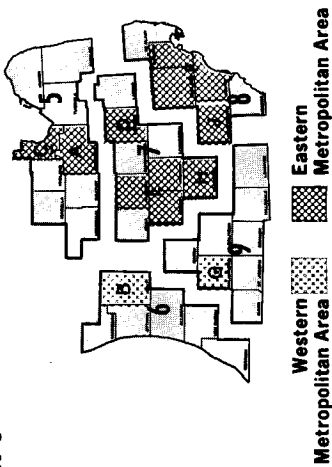
The population in the Upper Peninsula has fluctuated during the period 1900-1967.

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.

Source of data: Bureau of Census decennial census counts for 1900-1960.
Bureau of the Census estimate for July 1, 1967.



LOWER PENINSULA lower part



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

Percentage Distribution

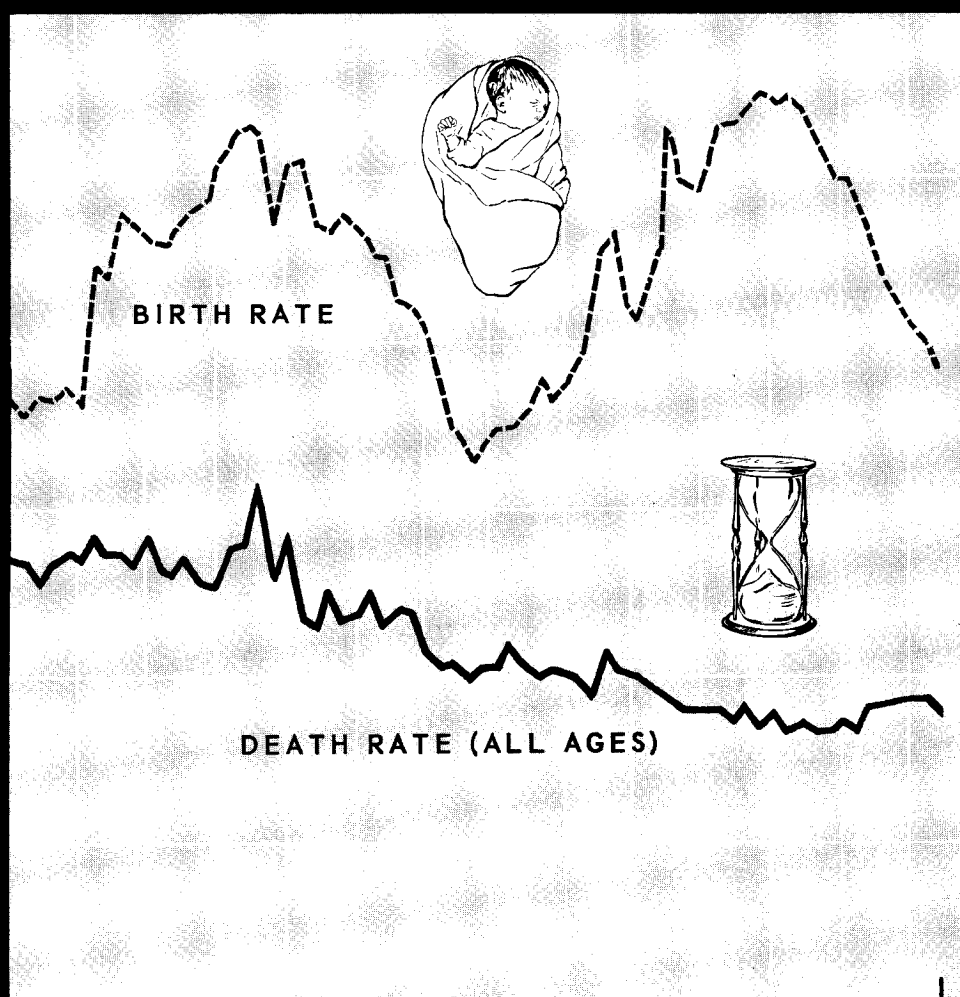
MICHIGAN	1900	1910	1920	1930	1940	1950	1960	1967
	100	100	100	100	100	100	100	100
TOTAL	10.8	11.6	9.1	6.6	6.1	4.7	3.9	3.5
Area 1	6.8	7.7	6.0	4.2	3.8	2.8	2.3	2.1
Area 2	4.0	3.9	3.1	2.4	2.3	1.9	1.6	1.4
TOTAL	14.5	13.7	9.1	6.2	6.4	5.7	5.0	4.8
Area 3	4.3	4.0	2.5	1.8	1.8	1.6	1.4	1.3
Area 4	10.2	9.7	6.6	4.4	4.6	4.1	3.6	3.5
TOTAL	74.7	74.7	81.8	87.2	87.5	89.6	91.1	91.7
Area 5, A, C	14.4	12.8	10.1	7.8	7.9	7.4	7.2	7.2
Area 6, B	13.5	13.2	11.6	11.0	10.8	10.8	11.1	11.0
Area 7, D, E, H	12.5	11.9	12.1	12.4	12.2	12.1	12.6	13.1
Area 8, F, J	23.2	26.5	39.5	48.7	49.4	52.0	53.0	53.5
Area 9, G	11.1	10.3	8.5	7.3	7.2	7.3	7.2	6.9
Metropolitan Areas	40.5	44.9	57.5	66.9	67.0	69.5	71.2	72.3
A - Saginaw	3.4	3.2	2.7	2.5	2.5	2.4	2.4	2.5
B - Kent	5.4	5.7	5.0	5.0	4.7	4.5	4.6	4.7
C - Bay	2.6	2.4	1.9	1.4	1.4	1.4	1.4	1.3
D - Genesee	1.7	2.3	3.4	4.4	4.3	4.3	4.8	5.0
E - Clinton, Eaton, Ingham	4.0	3.8	3.7	3.5	3.7	3.8	3.8	4.1
F - Macomb, Oakland, Wayne	17.6	21.8	35.6	45.0	45.2	47.3	48.1	48.4
G - Kalamazoo	1.8	2.2	1.9	1.9	1.9	2.0	2.2	2.2
H - Jackson	2.0	1.9	2.0	1.9	1.8	1.7	1.7	1.7
J - Washtenaw	2.0	1.6	1.3	1.3	1.5	2.1	2.2	2.4
Western (B, G)	7.2	7.9	6.9	6.8	6.6	6.5	6.8	6.9
Eastern (A, C, D, E, F, H, J)	33.3	37.0	50.6	60.1	60.4	63.0	64.4	65.4
Non-Metropolitan Areas	34.2	29.8	24.3	20.3	20.5	20.1	19.9	19.4
Muskegon	1.5	1.4	1.7	1.7	1.8	1.9	1.9	1.8
All Other	32.7	28.4	22.6	18.6	18.7	18.2	18.0	17.6

The distribution of Michigan's population is very uneven, with 91.7% 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. Of the remaining 8.3%, 3.5% is in the Upper Peninsula and 4.8% is in 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.

BIRTH and DEATH RATES

Michigan 1900 - 1967

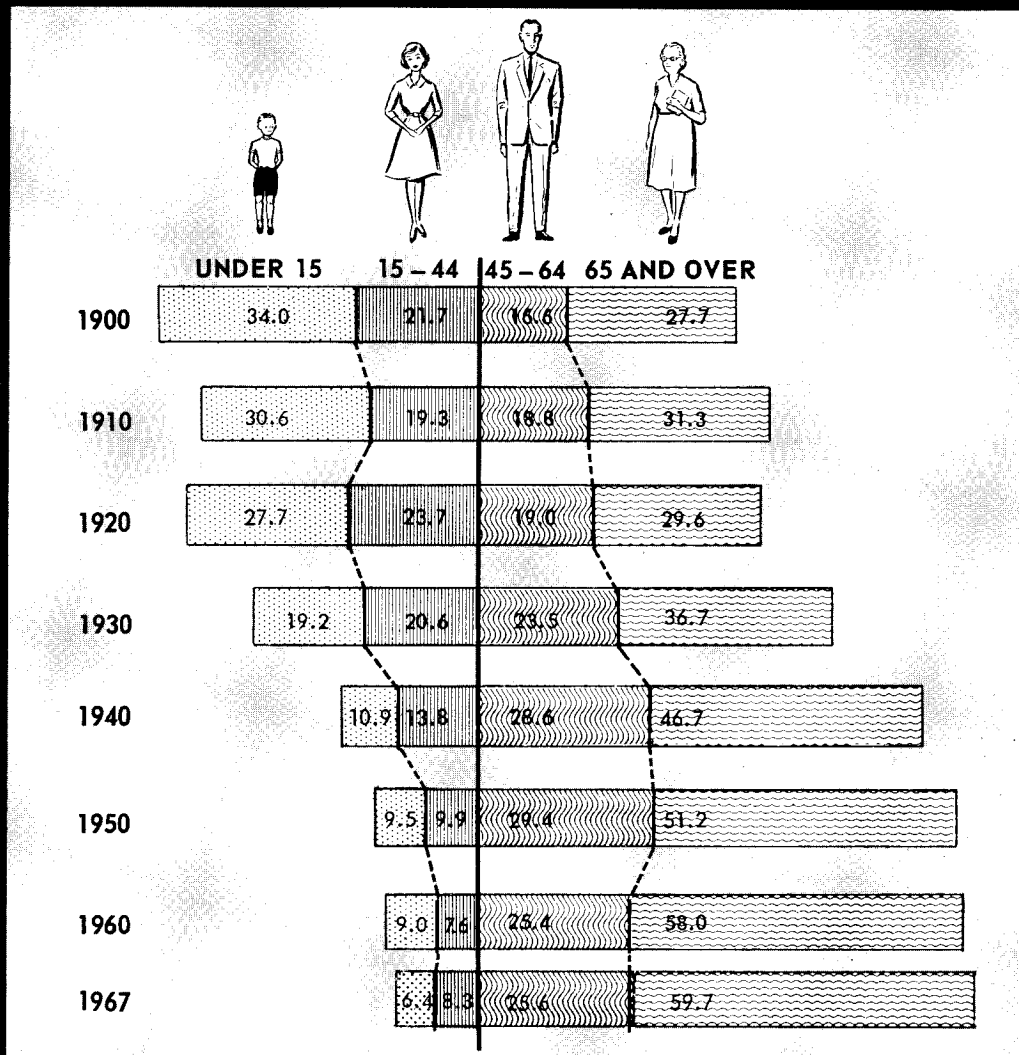


From the beginning of the century the birth rate trend was upward, reaching a high of 26.2 in 1916 and 1917. The rate then declined to an all time low of 16.2 during the depression year of 1933. With the exception of the 2 years at the close of the war 1944 and 1945, the trend continued upward again reaching an all time high of 27.4 in 1956. The trend then reversed with the rate declining to 24.9 in 1959, remaining the same in 1960, and declining to 18.9 in 1967.

In 1900 the death rate was 13.4 per 1,000 population. Since that time, the death rate trend has been downward in spite of one high point of 15.6 during 1918 as a result of the influenza epidemic following the first world war. The 1967 death rate of 8.7 represents a drop of 35% since 1900.

AGE AT DEATH - a changing pattern

Percentage Distribution - Michigan 1900-1967



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%
1967	15%	85%

The trend has been a gradual decrease in each of the age groups under 45 years and a gradual increase in the combined 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 approximately 1/13 at the present time. In contrast only slightly over 1/4 of all deaths occurred in the 65 & over age group in 1900; the proportion in 1967 has more than doubled.

During the last 36 years progress has been indicated by the fact that in 1967 the 65 & over age group alone accounted for almost the same proportion of deaths as the combined age groups 45-64 and 65 & over in 1930; approximately 60% in each instance.

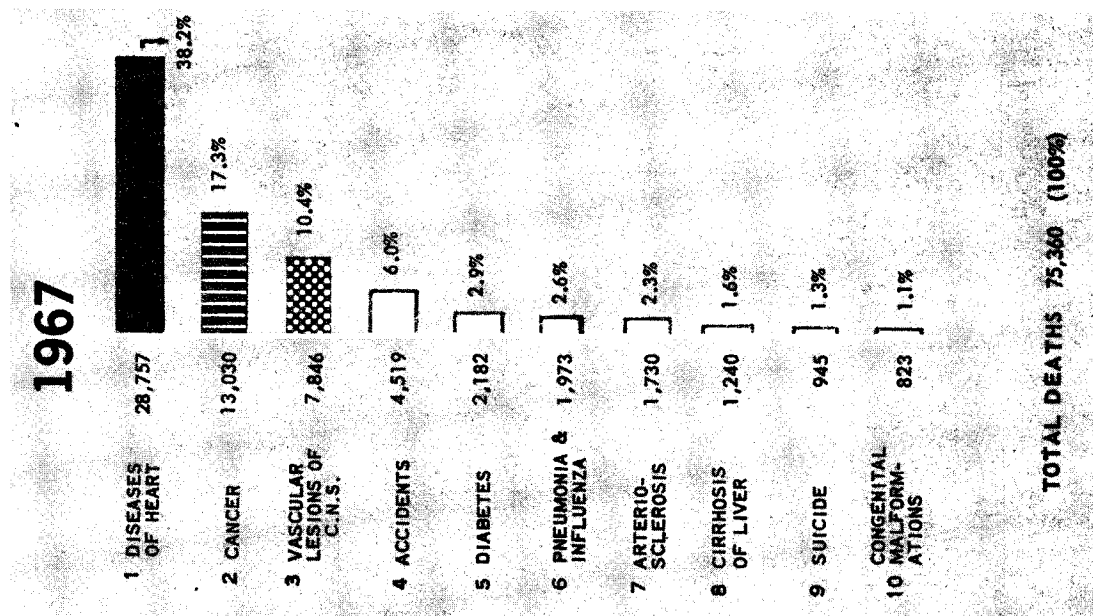
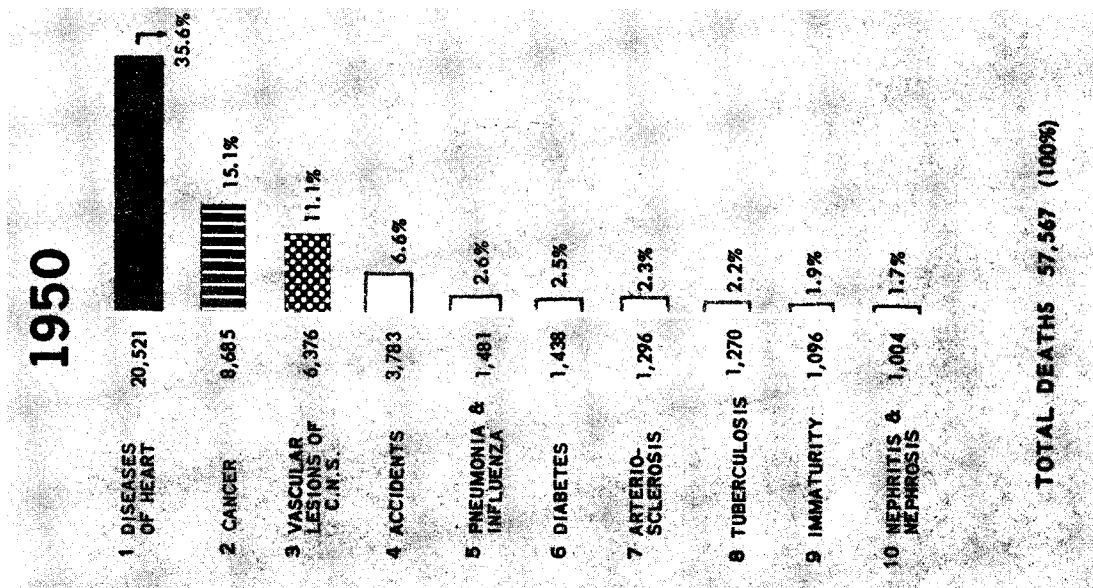
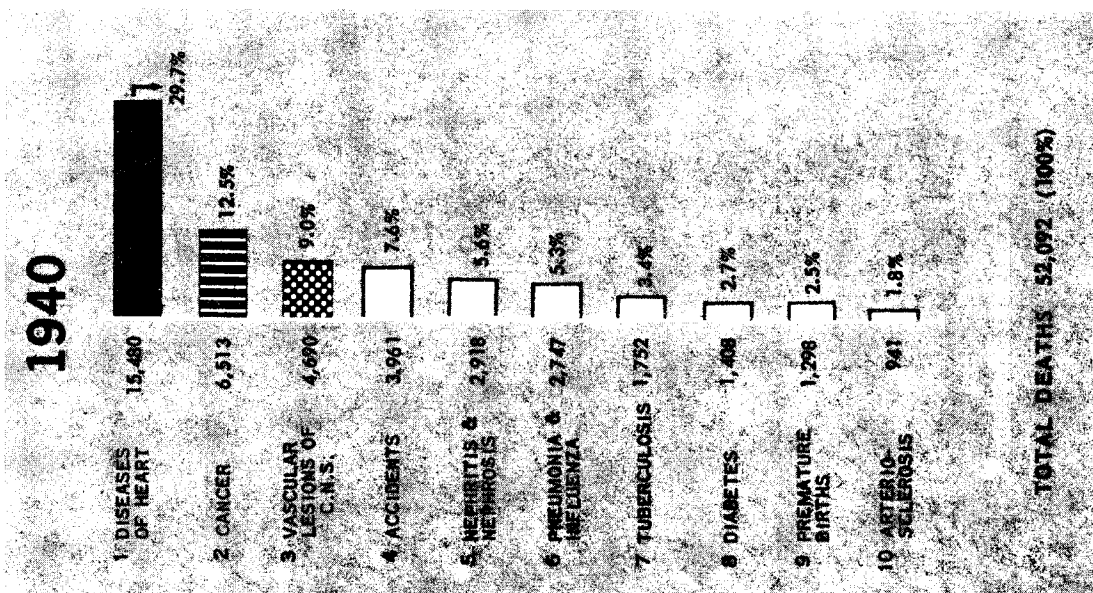
The above changes reflect 1) the decrease in deaths due to communicable diseases and other diseases of childhood, 2) an increase in those due to chronic diseases in the older age groups.

LEADING CAUSES OF DEATH

Michigan 1940, 1950, 1967

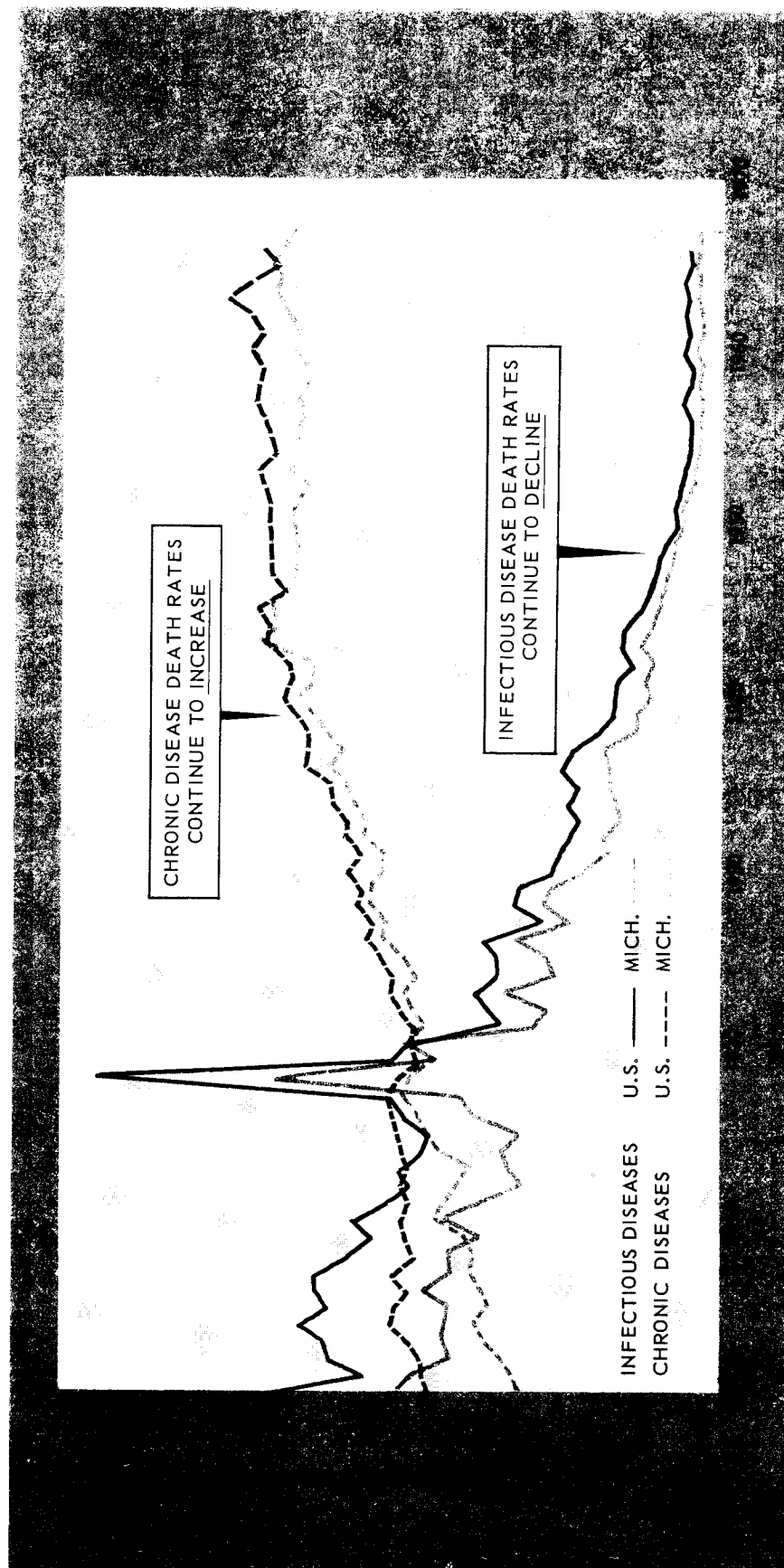
VI

Michigan Center for Health Statistics
Michigan Department of Public Health



DEATH RATES DUE TO CERTAIN CHRONIC & INFECTIOUS DISEASES*

MICHIGAN and UNITED STATES, 1900 - 1967



*Includes following diseases indicated by International Classification Seventh Revision Detailed List Numbers in parenthesis: Chronic Diseases — Cancer (140-205), Diabetes (260), Vascular lesions affecting central nervous system (330-334), Diseases of heart (400-443), 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 (50), Whooping cough (56), Diphtheria (55), Tuberculosis (1-19), Dysentery (45-48), Malaria (110-117), Syphilis (20-29), Measles (85), Pneumonia and 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. I, II.

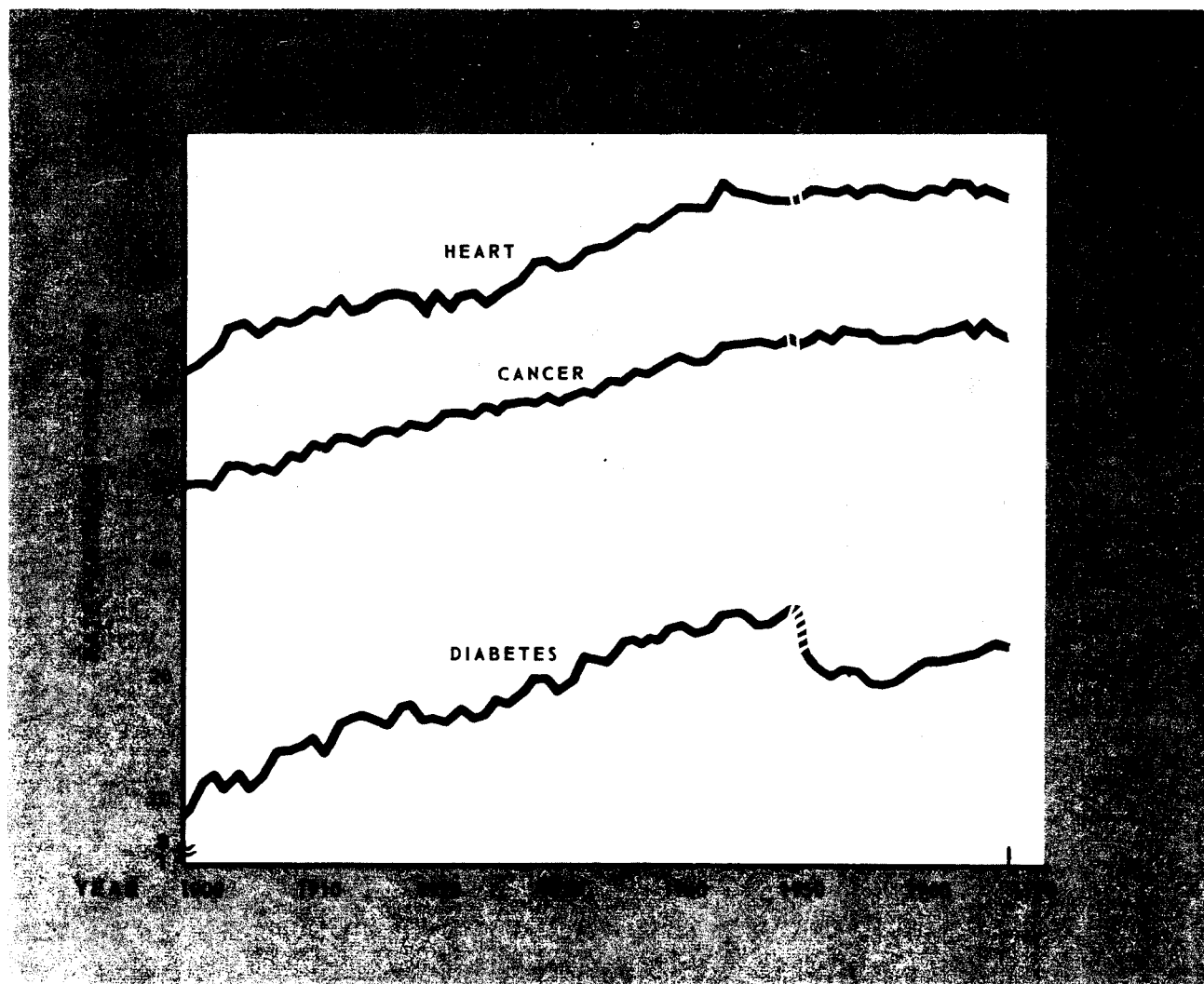
(U.S. data for 1967 not available)

Michigan Center for Health Statistics
Michigan Department of Public Health

MORTALITY TRENDS

heart, cancer, diabetes

Michigan 1900-1967



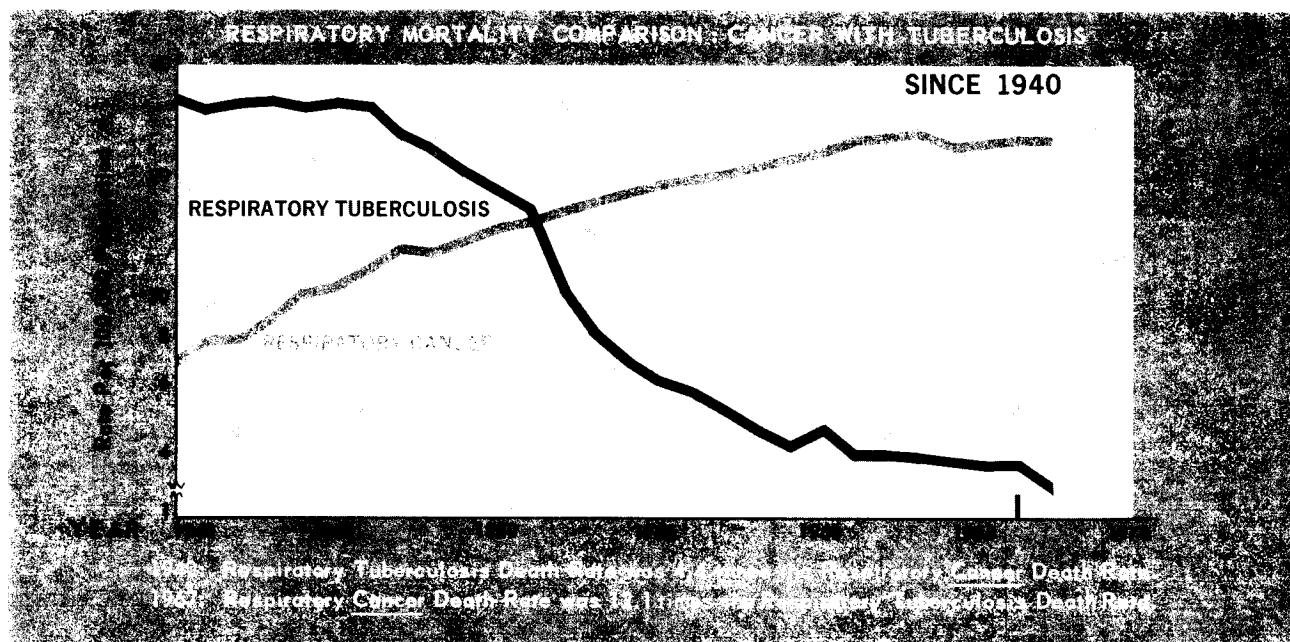
Heart disease, cancer, and diabetes are among the leading causes of death in Michigan accounting for 58% of all deaths. Between 1900-1949 the death rate trend of each of these has been progressively upward. However, during this period the death rates increased more rapidly for diabetes than for either heart disease or cancer; the increases were 219% for diabetes, 157% for heart disease, and 127% for cancer.

Beginning in 1950, the Sixth Revision Classification of Causes of Death was used which increased the number of deaths classified as due to heart disease by approximately 6% and decreased those due to cancer and diabetes by approximately 3% and 28% respectively.

Since 1950, although there have been minor fluctuations in both heart disease and cancer death rates, they have followed similar trend patterns. The diabetes death rate dropped noticeably in 1950 due largely to classification changes. Between 1950-1960 there were minor fluctuations; since then the trend has been increasing.

CANCER MORTALITY TRENDS

Michigan 1940 - 1967



CANCER MORTALITY BY SITE

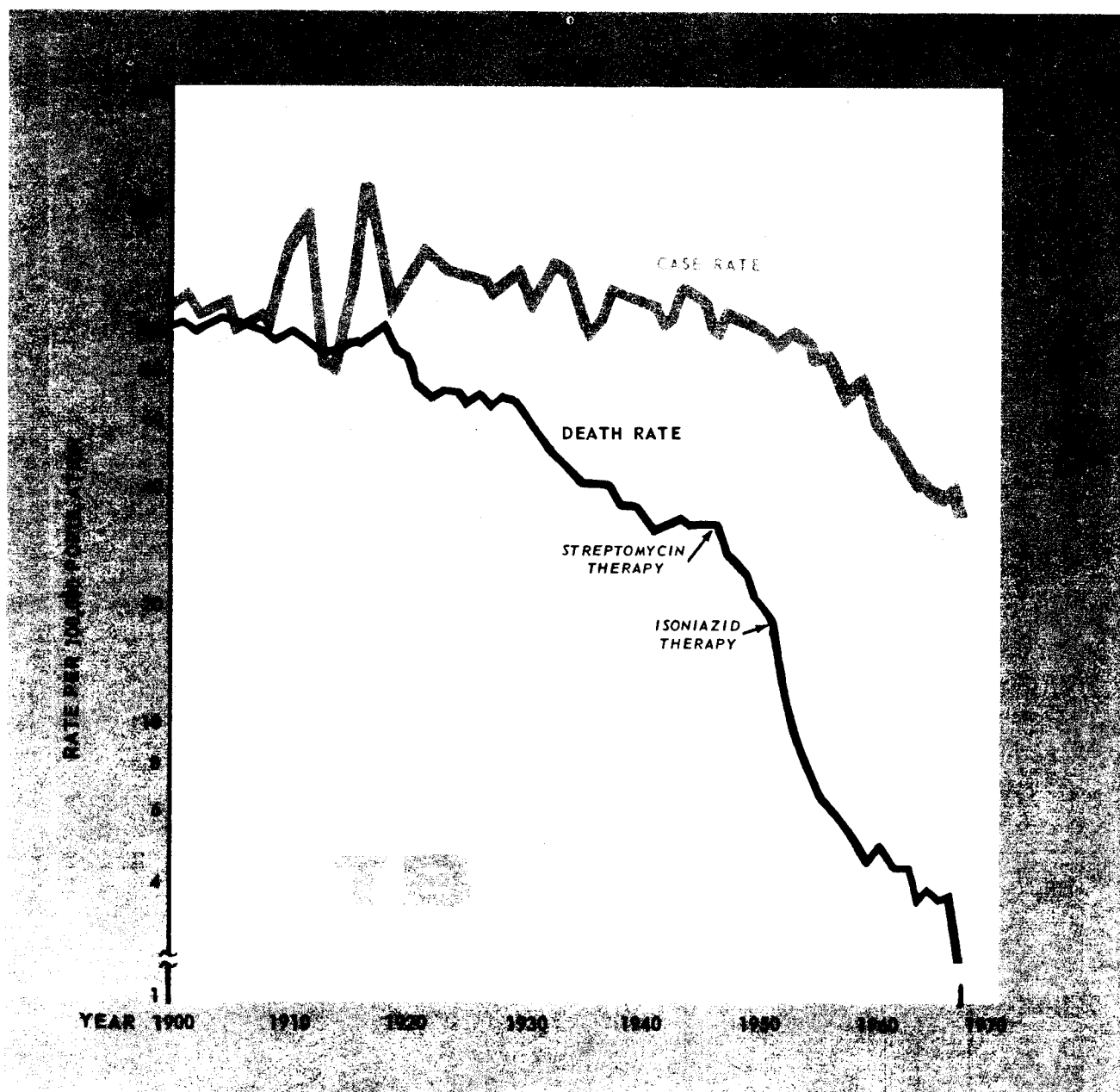
CAUSE	N U M B E R						RATE PER 100,000 POPULATION					
	1945	1950	1955	1960	1965	1967	1945	1950	1955	1960	1965	1967
TOTAL	7,486	8,685	10,297	11,331	12,419	13,030	137.7	136.3	142.3	144.8	151.5	151.2
Buccal cavity & pharynx	206	219	222	261	220	239	3.8	3.4	3.1	3.3	2.7	2.8
Digestive organs & peritoneum	3,227	3,464	3,880	3,935	4,048	3,973	59.4	54.4	53.6	50.3	49.4	46.1
Esophagus	125	134	216	195	242	256	2.3	2.1	3.0	2.5	3.0	3.0
Stomach	1,119	1,076	1,030	970	796	669	20.6	16.9	14.2	12.4	9.7	7.8
Intestines (including duodenum & rectum)	1,204	1,394	1,701	1,672	1,798	1,776	22.2	21.9	23.5	21.4	21.9	20.6
Liver & biliary passages	453	468	411	471	497	511	8.3	7.3	5.7	6.0	6.1	5.9
Pancreas	244	329	463	570	648	702	4.5	5.2	6.4	7.3	7.9	8.1
Other	82	63	59	57	67	59	1.5	1.0	0.8	0.7	0.8	0.7
Respiratory system	549	923	1,318	1,736	2,244	2,589	78.1	14.5	18.2	22.4	27.4	29.1
Breast & genito-urinary organs	2,396	2,520	2,975	3,262	3,363	3,582	44.1	39.5	41.1	41.7	41.0	41.6
Breast	671	774	878	985	1,096	1,187	12.3	12.1	12.1	12.6	13.4	13.8
Uterus	704	594	677	620	569	569	13.0	9.3	9.4	7.9	6.9	6.6
Other female genital organs	217	278	347	383	414	394	4.0	4.4	4.8	4.9	5.0	4.6
Male genital organs	462	451	602	648	677	719	8.5	7.1	8.3	8.3	8.3	8.3
Urinary organs	342	423	471	626	607	713	6.3	6.6	6.5	8.0	7.4	8.3
Other & unspecified sites	1,108	1,559	1,902	2,117	2,544	2,726	20.4	24.5	26.3	27.1	31.0	31.6
Skin	115	106	140	134	149	168	2.1	1.7	1.9	1.7	1.8	1.9
Leukemia & aleukemia	255	321	444	516	556	618	4.7	5.0	6.1	6.6	6.8	7.2
Hodgkin's disease	80	98	126	145	150	157	1.5	1.5	1.7	1.9	1.8	1.8
Other	658	1,034	1,192	1,322	1,689	1,784	12.1	16.2	16.5	16.9	20.6	20.7

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 23 years. For every 100,000 people there were four times as many people dying of cancer of the respiratory system in 1967 as in 1940; the rates were 29.1 and 6.6 respectively. Also cancer of the respiratory system has become an increasingly greater proportion of the total cancer problem representing 19% of all the cancer deaths in 1967 as compared with 7% in 1945.

At the same time, death rates for cancer of the pancreas have increased steadily while there has been a noticeable decrease in the death rate due to cancer of the stomach.

TUBERCULOSIS CASE & DEATH RATES

Michigan 1900-1967

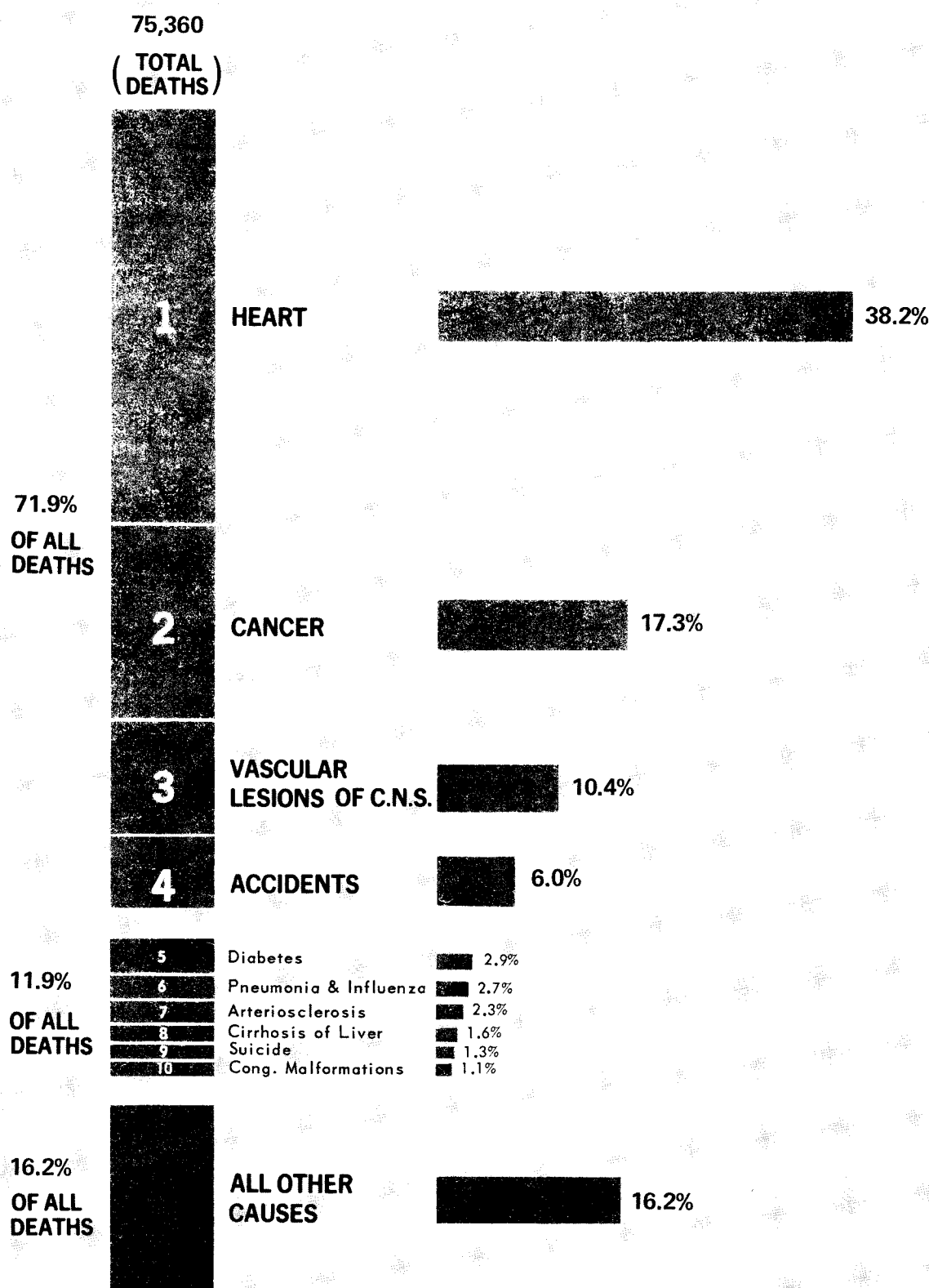


CASE RATE LINE: The major fluctuations in the earlier years probably represent the increased number of new cases found as a result of victims of pulmonary epidemics coming under medical care. Later fluctuations are undoubtedly due to variations in the intensity of case finding efforts and case reporting. In the mid-1940's the use of the miniature photo-fluorograph became widespread in mass screening. This accelerated program, together with general improvement in tuberculosis control and treatment methods, probably strongly stimulated the downward trend observed subsequent to 1945.

DEATH RATE LINE: The fluctuations in the earlier years of the death rate line are less marked than in the case rate line. The slight increase in the 1918 death rate probably represents the effect of the World War I influenza epidemic which added severe complications to the existent cases of tuberculosis. The later fairly constant downward trend reflects the effect of generally improved environmental conditions plus the tuberculosis treatment and control programs in operation. We can probably accept streptomycin and isoniazid as responsible for the fairly precipitous drops occurring after each was discovered and added to the treatment armamentarium.

LEADING CAUSES OF DEATH

Michigan 1967



TEN LEADING CAUSES OF DEATH

Distribution by Age Groups - Michigan 1967

CAUSE	TOTAL	PERCENT	NUMBER			PERCENT		
			Under 15 Yrs	15 44	45 64	Under 15 Yrs	15 44	45 64 Over *
All Causes	75,360	100	4,857	6,191	19,287	45,025	100	6.4 8.3 25.6 59.7
1. Diseases of heart	28,757	38.2	31	888	7,514	20,324	100	0.1 3.1 26.1 70.7
2. Cancer	13,030	17.3	204	957	4,805	7,064	100	1.6 7.3 36.9 54.2
3. Vascular lesions of c.n.s.	7,846	10.4	18	234	1,256	6,338	100	0.2 3.0 16.0 80.8
4. Accidents	4,519	6.0	625	1,784	989	1,121	100	13.8 39.5 21.9 24.8
5. Diabetes mellitus	2,182	2.9	5	90	568	1,519	100	0.2 4.1 26.1 69.6
6. Pneumonia and influenza**	2,051	2.7	286	127	327	1,311	100	13.9 6.3 15.9 63.9
7. Arteriosclerosis	1,730	2.3	-	3	77	1,650	100	0 0.2 4.6 95.2
8. Cirrhosis of liver	1,240	1.6	5	223	707	305	100	0.4 18.0 57.0 24.6
9. Suicide	945	1.3	6	403	382	154	100	0.6 42.6 40.4 16.4
10. Congenital malformations	823	1.1	664	86	49	24	100	80.7 10.4 6.0 2.9
All other causes	12,237	16.2	3,013	1,396	2,613	5,167	100	24.7 11.5 21.5 42.4

* Includes 6 of unknown age.

** Excluding pneumonia of newborn.

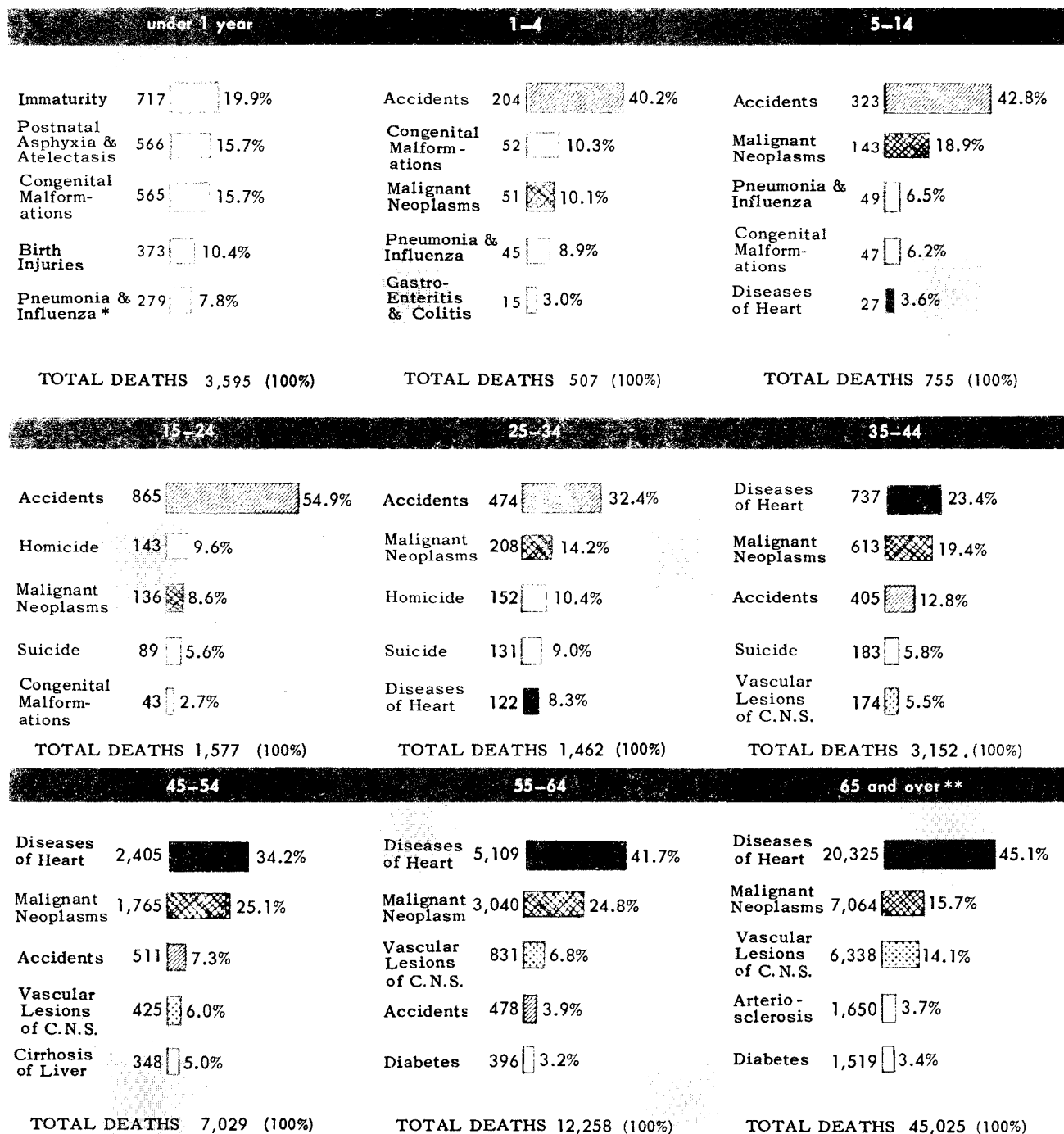
The four leading causes of death accounted for 72% of all deaths. The first three of these, heart, cancer, and vascular lesions occurred largely among the older age groups, with only 3%, 9%, and 3%, respectively, under 45 years of age.

However, in the fourth leading cause, accidental deaths, 53% were under 45 years of age. With the exception of deaths due to congenital malformations, which occur largely in infancy, accidental deaths is the only one of the ten leading causes with more than half (53%) of the deaths under 45 years of age. The sixth and ninth causes, pneumonia and influenza and suicide, follow in line in this respect with 20% and 43% respectively, of the deaths under 45 years of age.

It is interesting to note that diabetes, the fifth 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 1967



* Includes pneumonia of newborn.

** Includes six with age not stated.

Colored Bars represent the first four leading causes of death among all age groups.

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.

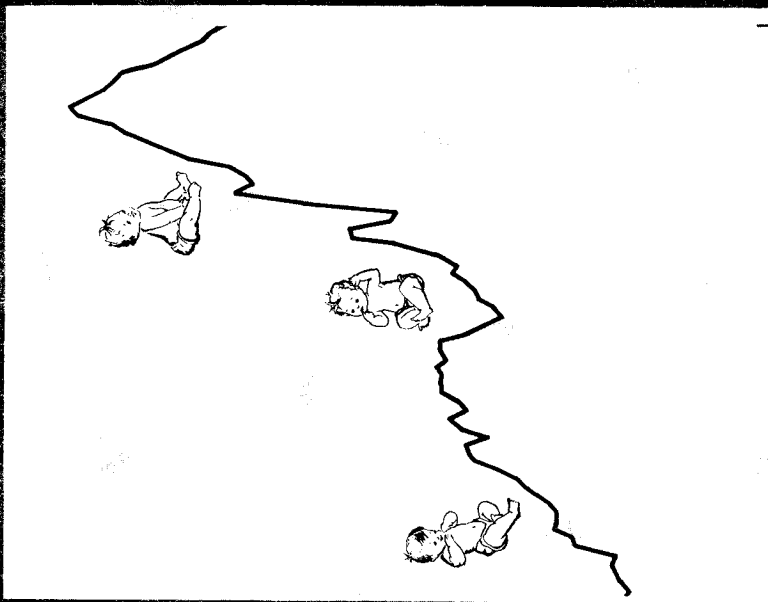
Accidents lead as a cause of death in all age groups under 35 years with the exception of infants under 1 year, and appear among the 5 leading causes in all age groups except the under 1 year and the 65 & over groups.

Malignant neoplasms first appear in the age group 1-4 years as the 3rd 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 except age group 15-24.

Michigan Center for Health Statistics
Michigan Department of Public Health

LIVE BIRTHS, INFANT, NEONATAL, & MATERNAL MORTALITY RATES Michigan 1900-1967

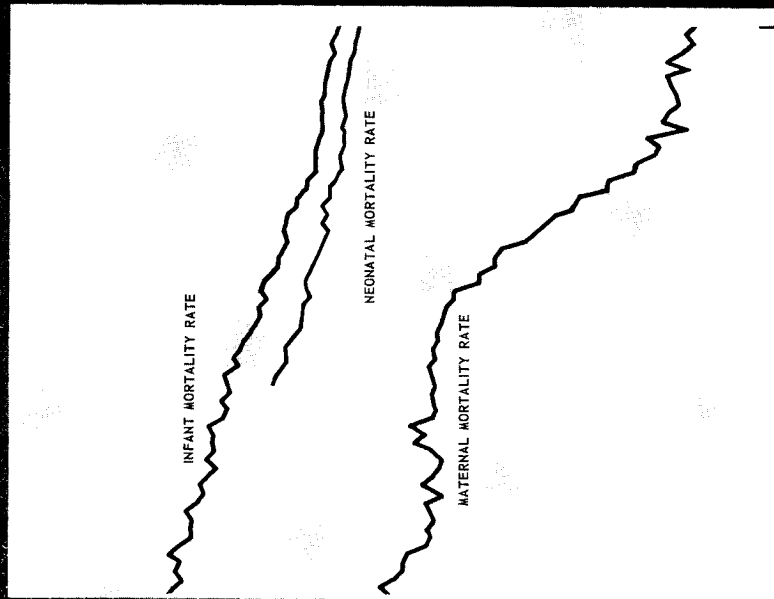
NUMBER OF LIVE BIRTHS



The number of live births has followed an increasingly upward trend since 1900 even though there were minor decreases during the depression years of the 1930's, and the World War II years of the mid 1940's. An all time high of 208,488 was reached in 1957 after 9 consecutive years of increase. The year 1958 marked the beginning of a decline which has continued through 1967.

The trends of both maternal and infant death rates have declined. However, the two patterns of decline have not been the same. From 1900-1934 the mortality rates decreased more for infants than for mothers, 67% and 48% respectively. Since 1935 the pattern has reversed; the mortality rate decreased almost twice as fast for mothers as for infants,

INFANT, NEONATAL, & MATERNAL MORTALITY RATES



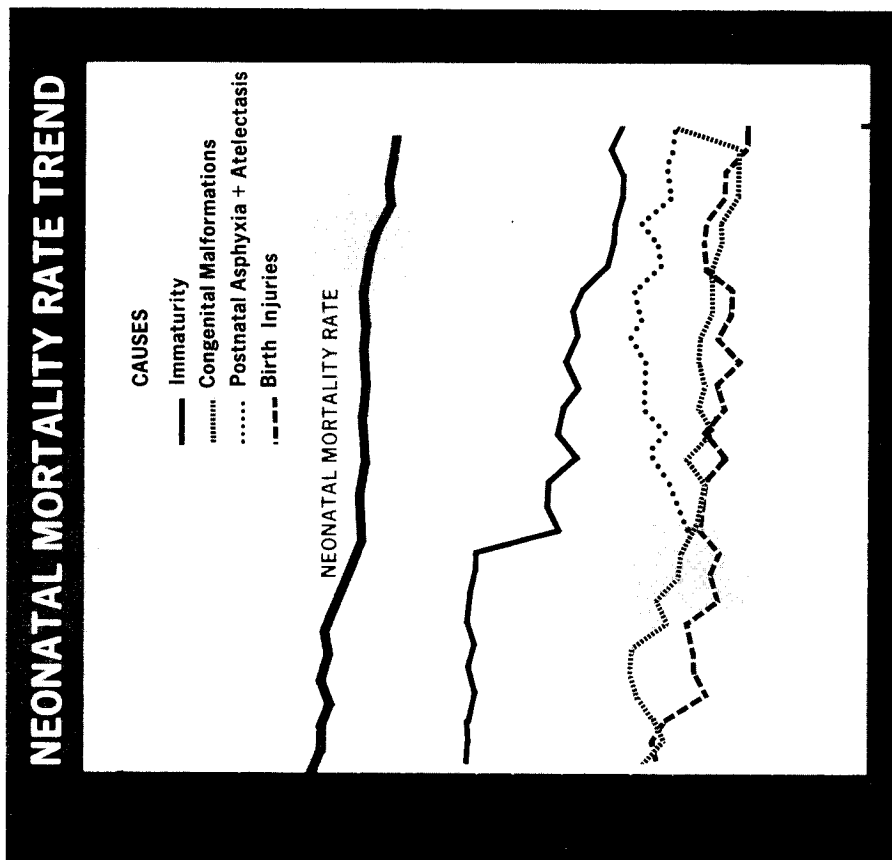
94% and 53% respectively.

Considerable progress, nevertheless, has been made in lowering the infant death rate with both the neonatal and postneonatal components contributing to the decline; however, the greater decline has been in the postneonatal age group. Since 1925 the postneonatal rate has declined by 85% from 35.1 to 5.4 as compared with a 59% decline in the neonatal rate from 40.6 to 16.7.

This progress in the reduction of the infant mortality rate has resulted in the number of neonatal deaths accounting for approximately 75% of all infant deaths in 1967 as compared with slightly over 50% in 1925.

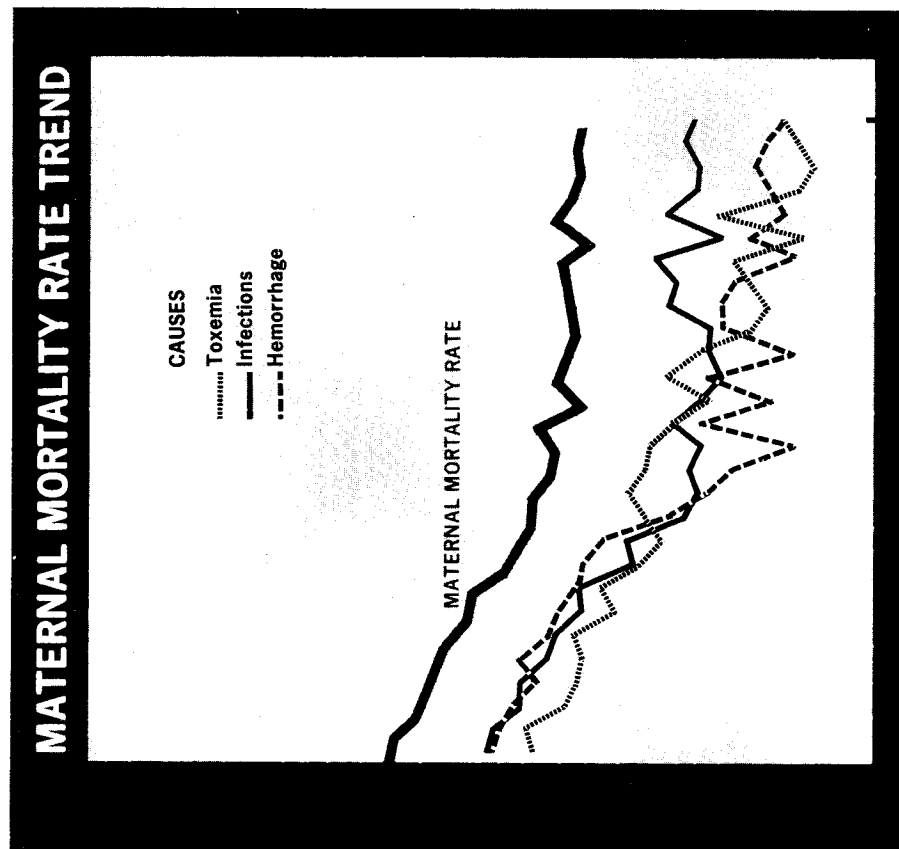
TREND of LEADING CAUSES of NEONATAL and MATERNAL MORTALITY

Michigan 1940 - 1967



The general trend of mortality rates for the above charted specific causes has been slowly downward with one exception. The exception Postnatal Asphyxia and Atelectasis has followed a slightly increasing trend, with minor fluctuations, since 1950. Immaturity, the leading cause of neonatal deaths, dropped suddenly in 1950 due largely to a change in coding classification.

Note: Neonatal deaths are deaths under 28 days of life.

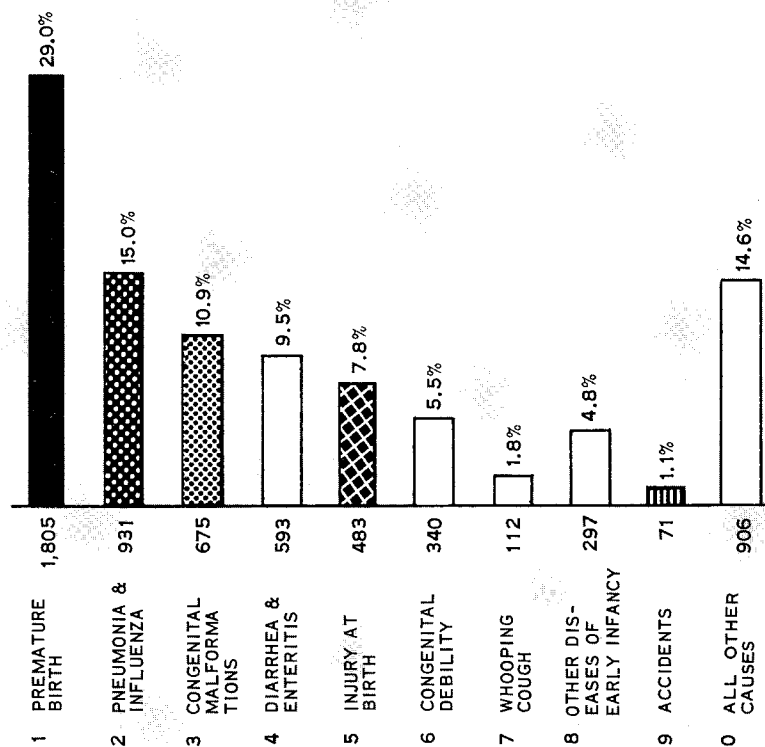


Prior to 1950 the mortality rates for Hemorrhage, Toxemia, and Infections, three major causes of Maternal deaths, followed a similar pattern of decline. Since then Toxemia and Hemorrhage, although following a fluctuating course, have continued to decline; conversely Infections, also with some fluctuation, have maintained an upward trend since 1956.

INFANT DEATHS: LEADING CAUSES

Michigan 1930 & 1967

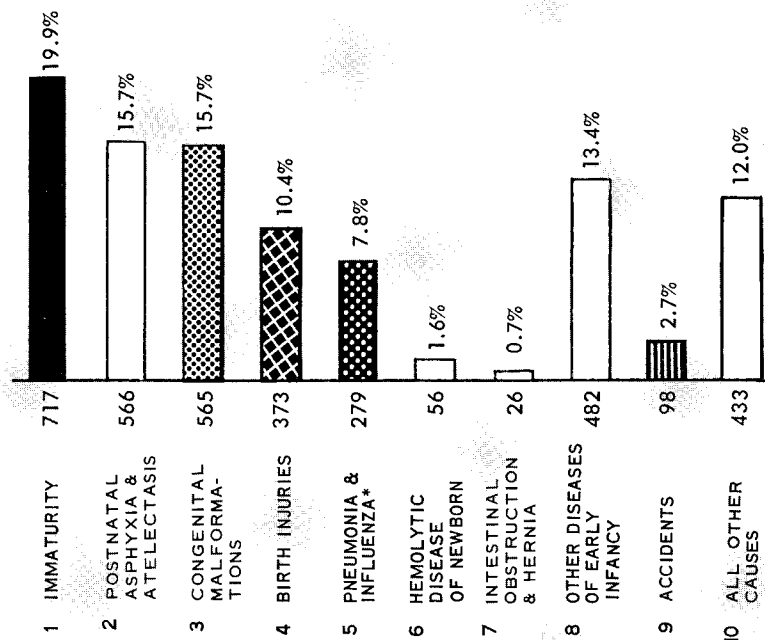
1930



Total Infant Deaths 6,213 (100%)

Infant deaths include deaths under 1 year of age.
Colored bars indicate leading causes of death common to both years.

1967



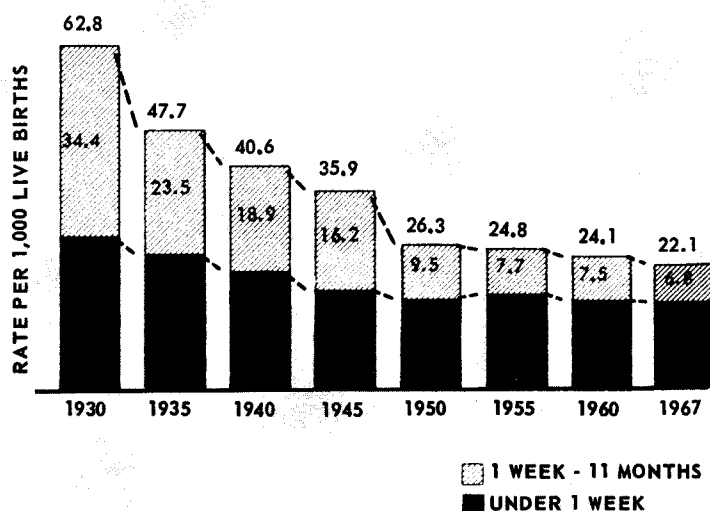
* Includes 85 pneumonia of newborn

Total Infant Deaths 3,595 (100%)

INFANT MORTALITY TRENDS

Michigan 1930-1967

COMPARISON OF DEATH RATES
UNDER 1 WEEK AND 1 WEEK-11 MONTHS

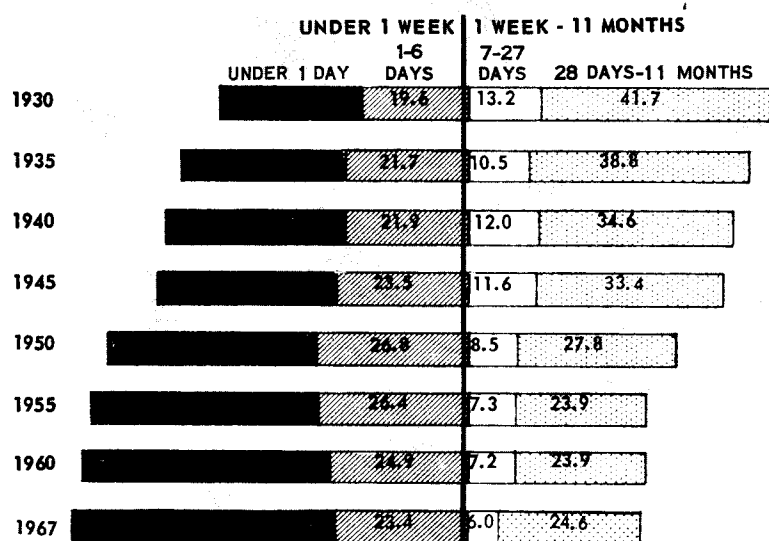


DURING PAST 37 YEARS

1 week - 11 months

under 1 week

AGE OF INFANT DEATHS - A SHIFTING PATTERN
PERCENTAGE DISTRIBUTION



INFANT DEATHS

PROPORTIONATELY
MORE AND MORE
DURING FIRST WEEK OF LIFE

45%: under 1 week

55%: 1 week - 11 months

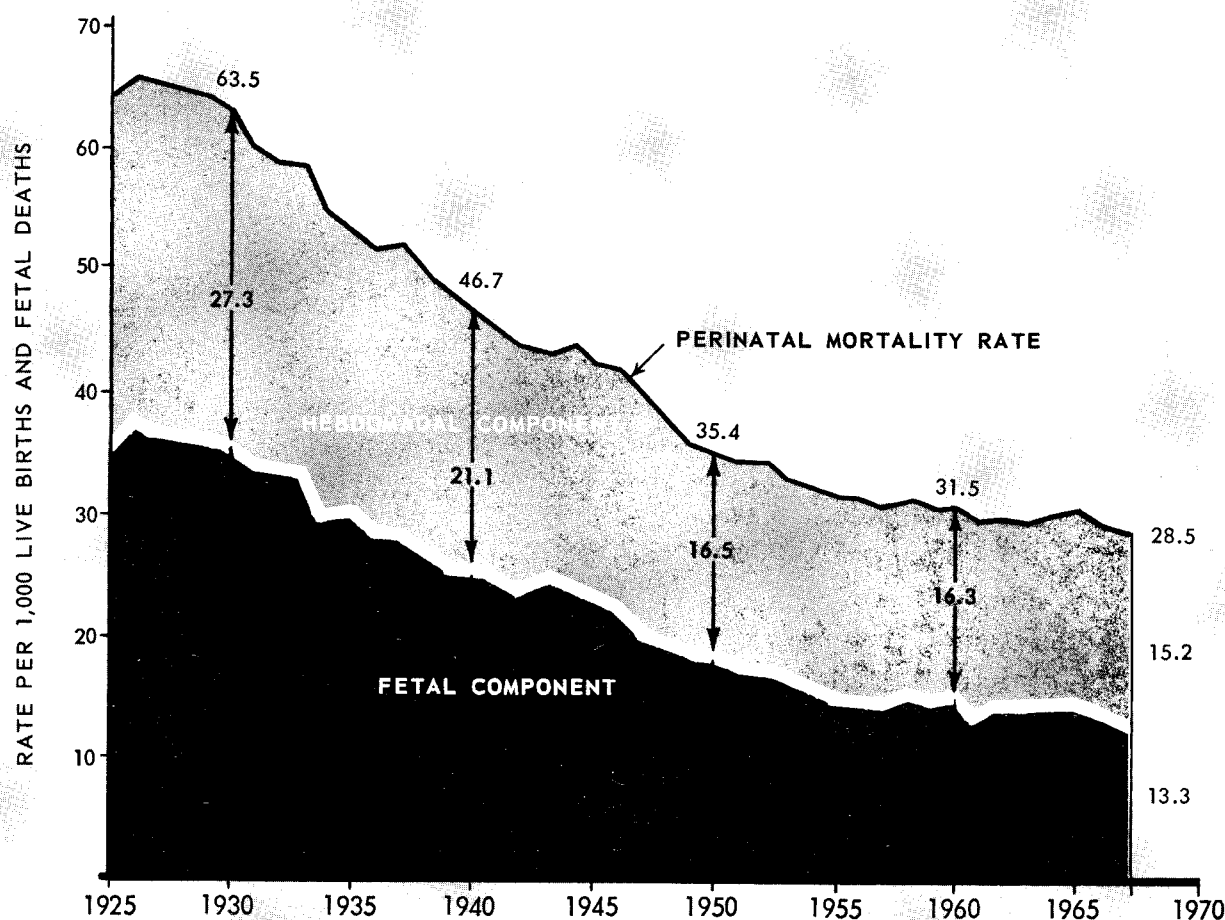
69%: under 1 week

31%: 1 week - 11 months

PERINATAL MORTALITY TRENDS

and RELATIONSHIP of COMPONENT PARTS

MICHIGAN 1925 - 1967



The trend of the perinatal mortality rate has been downward from 1925 - 1967 with both the fetal and hebdomadal components contributing to the decline. Since 1925 the perinatal mortality rate has decreased by 56% with a 63% decrease in the fetal component and a 48% decrease in the hebdomadal component.

During this same period there has been a reversal in the relationship of these component parts.

	PERINATAL MORTALITY RATE	COMPONENTS	
		Fetal	Hebdomadal
1925	64.9	35.7	29.2
1967	28.5	13.3	15.2
Percent Decrease '25 - '67	56%	63%	48%

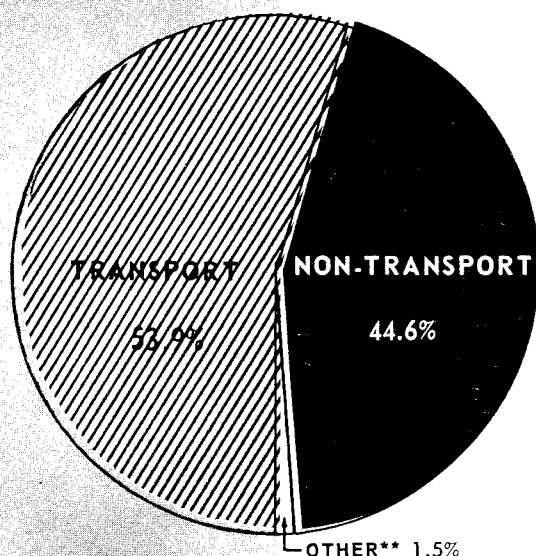
The fetal mortality rate was higher than the hebdomadal mortality rate in 1925. Since then the decreasing pattern of each of these two rates has resulted in a hebdomadal rate higher than the fetal rate from 1955 through 1967. Now the hebdomadal component of the perinatal problem is proportionately greater than the fetal.

*Note: Perinatal deaths include all reported fetal deaths and infant deaths under 1 week of age.
Hebdomadal deaths include all deaths under 1 week of age.*

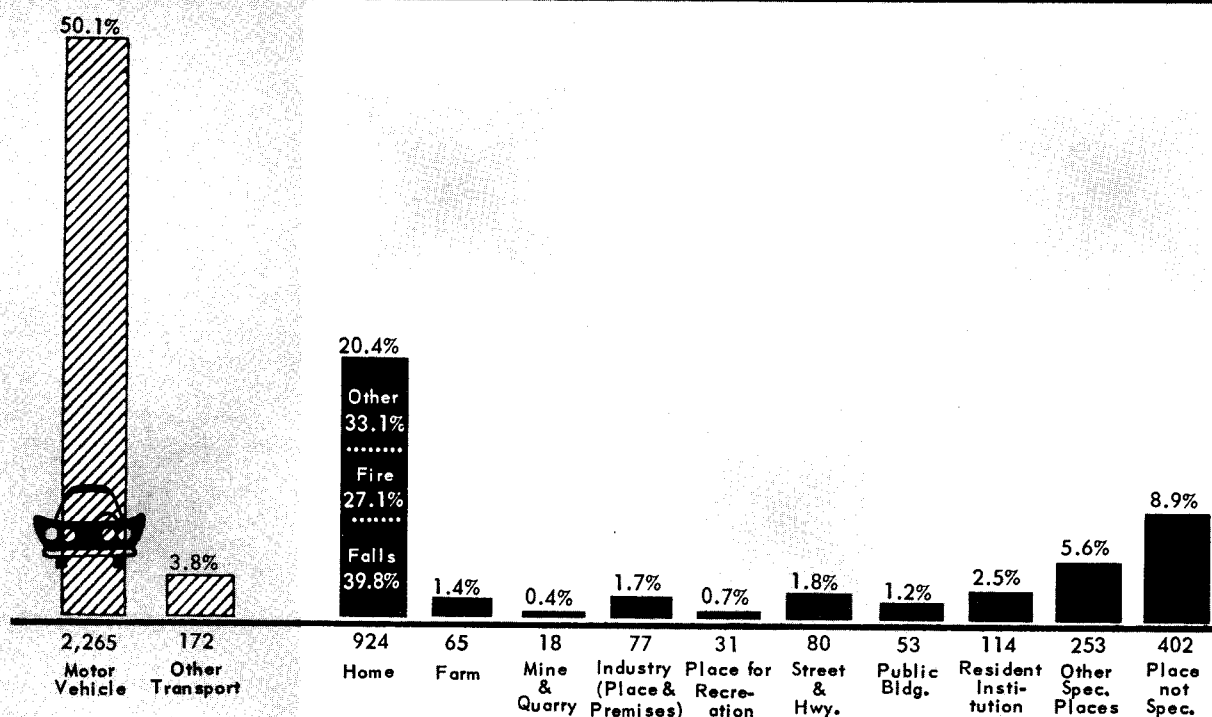
4,519 ACCIDENTAL DEATHS; 4th LEADING CAUSE OF DEATH

Michigan* 1967

(percentage distribution)



TRANSPORT NON-TRANSPORT



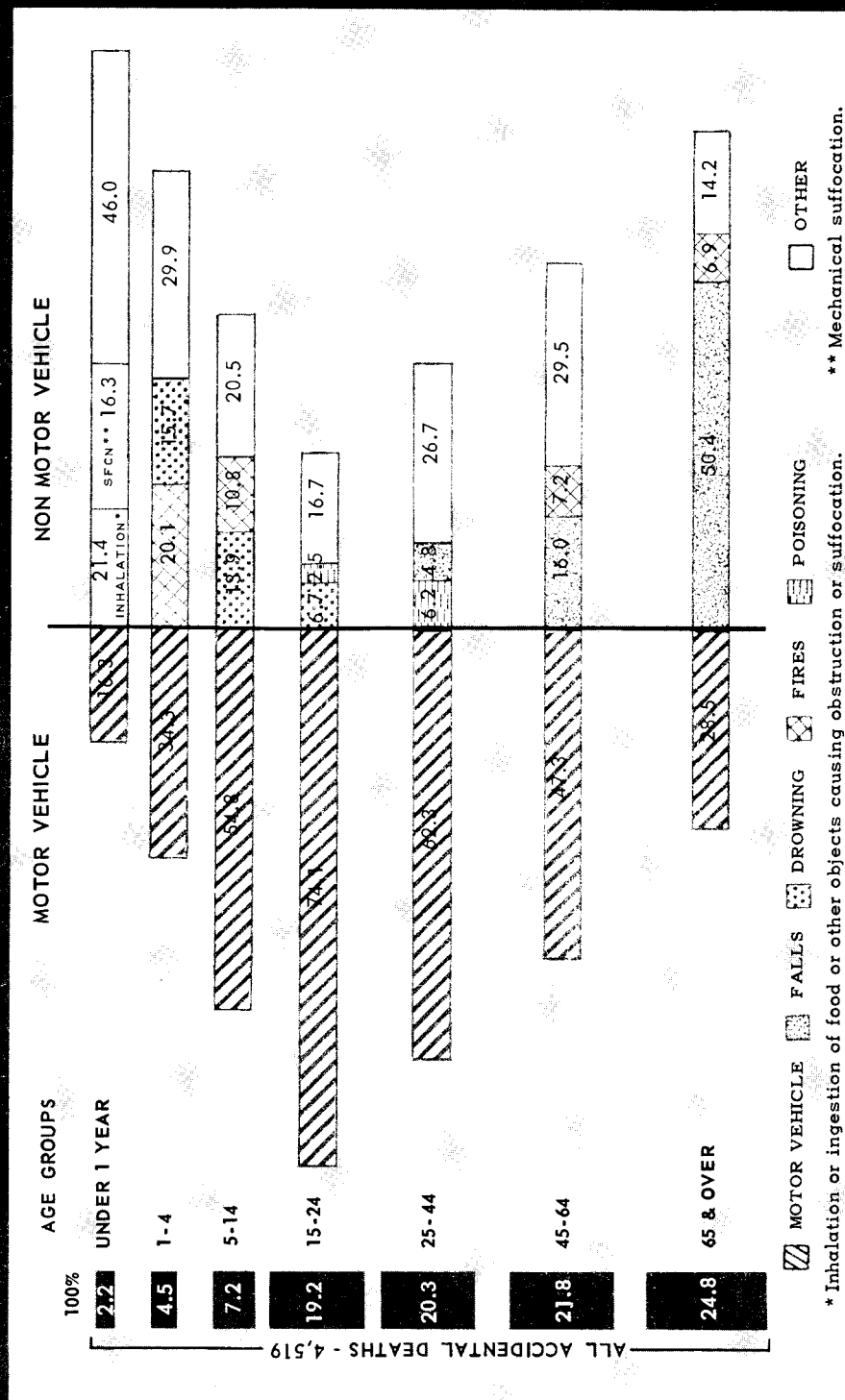
* By place of residence

** Includes therapeutic misadventures and late complications, complications of non-therapeutic procedures, late effects of injury and poisoning.

ACCIDENTAL DEATHS by age and leading causes

Percentage Distribution - Michigan 1967

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

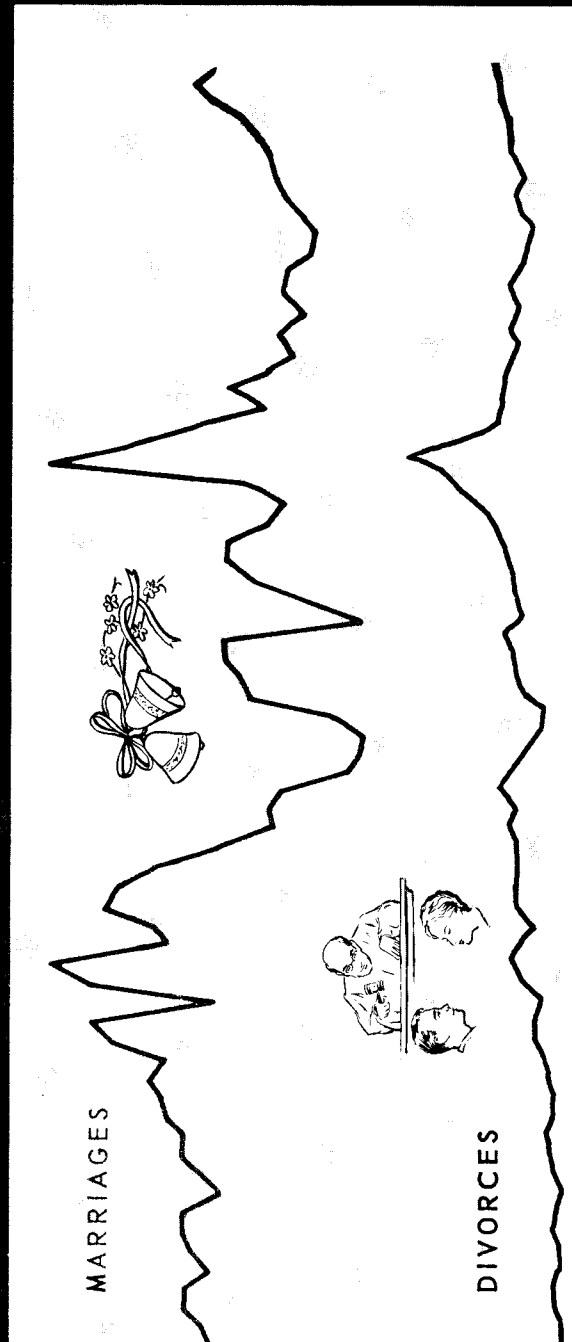


The proportion of motor vehicle accidental deaths increases with each advancing age group reaching a peak of 74% in the 15-24 year group; the proportion then decreases with each successively older age group.

Motor vehicle accidental deaths are the leading cause of accidental death in all but the two extreme age groups—Under 1 Year and 65 & Over. In the Under 1 Year group, Inhalation and Suffocation are leading causes. In the 65 & Over group, Falls are the leading cause accounting for 50% of all accidental deaths in this age group.

MARRIAGES and DIVORCES

Michigan 1900-1967



The two peak years for marriages were 1920 and 1946, with rates of 27.7 and 27.6, respectively, both of which reflects 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 there have been minor annual fluctuations in both marriage and divorce rates; however, there has been a consistent increase in the marriage rate over the last 9 years, while the divorce rate has increased over the last 6 years.

*Note: All rates refer to persons married or divorced.
Divorces includes annulments.*

BIRTHS

DEATHS

Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Perinatal	Due to Immaturity	Fetal
332	32,453	6,866			620	1,325
365	32,834	6,319			524	1,501
383	31,472	5,949			608	1,793
490	33,176	6,488			542	1,814
562	34,494	6,419			632	1,911
444	34,679	7,054			751	2,044
1,090	37,033	7,952			830	2,358
1,041	36,701	6,906			855	2,358
888	36,761	7,697			975	2,694
1,068	36,313	7,443			1,152	2,540
1,054	39,913	7,998			2,050	2,559
1,083	38,007	7,131			2,223	2,716
1,222	38,804	6,985			2,340	2,906
1,227	40,827	7,659			2,480	2,953
1,192	39,906	7,431			2,391	3,113
1,363	40,441	6,943			2,207	3,357
1,351	46,047	8,415			2,498	3,689
1,101					69	3,550
1,142					62	3,686
1,002					83	3,361
1,445	51,982	8,587			2,512	3,770
1,346	4				481	3,669
1,180	4				793	3,779
1,210	4				911	3,657
1,443	4				970	3,703
1,258	49,417	7,498	4,022	6,667	1,987	3,670
1,669	54,080	7,620	4,054	6,773	1,986	3,816
1,872	50,600	6,766	3,915	6,794	1,911	3,834
1,853	54,755	6,806	3,739	6,594	1,846	3,701
1,632	56,117	6,605	3,777	6,613	1,853	3,710
1,600	51,561	6,213	3,624	6,518	1,805	3,714
1,633	49,068	5,187	3,084	5,643	1,473	3,220
1,697	49,569	4,630	2,798	5,210	1,372	2,980
2,041	48,507	4,094	2,591	4,906	1,364	2,776
2,124	50,440	4,377	2,717	4,781	1,419	2,607
2,194	51,051	4,170	2,550	4,832	1,389	2,717
2,157	54,777	4,479	2,647	4,726	1,395	2,625
2,284	53,468	4,374	2,700	4,919	1,415	2,707
2,331	50,678	4,319	2,734	4,984	1,484	2,732
2,217	52,017	3,952	2,594	4,706	1,396	2,572
2,280	52,092	4,022	2,629	4,749	1,298	2,602
2,370	52,671	4,166	2,687	4,991	1,353	2,769
2,332	52,738	4,606	3,091	5,581	1,575	3,067
2,563	56,774	4,804	2,979	5,563	1,488	3,213
2,113	54,016	4,326	2,784	5,140	1,412	2,874
2,485	53,641	4,008	2,670	4,906	1,339	2,703
2,808	52,856	4,541	3,323	5,978	1,735	3,168
4,341	56,807	5,055	3,677	6,583	1,953	3,422
4,318	56,570	4,617	3,352	5,968	1,820	3,132
3,943	52,101	4,320	3,232	5,746	1,795	2,994

TABLES

1900-1967

8/26/70 - PROV. 1969 - REGISTERED 163,810
Total 1900 - 196 Lv. Bx 8,092,660 (F.g. given Act Taylor to day)

2

TABLE 1A - POPULATION; LIVE BIRTHS - TOTAL AND ILLEGITIMATE; DEATHS - ALL AGES, INFANT, NEONATAL, PERINATAL, FETAL, MATERNAL, AND DEATHS DUE TO IMMATURITY; MARRIAGES; AND DIVORCES
MICHIGAN, 1900 - 1967

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

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	466	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			2,420	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	8,507			2,512	3,770	795	50,805	8,679
1921	3,785,799	96,035	1,346	44,186	7,504			2,481	3,669	605	41,508	7,676
1922	3,903,186	90,042	1,180	43,811	5,730			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	98,963	1,258	49,417	7,498	4,022	6,657	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	3,616	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	6,006	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	6,813	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	2,773	447	33,132	7,671
1934	5,007,837	83,944	2,124	50,440	4,377	2,717	4,761	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	4,726	1,395	2,625	425	47,023	11,470
1937	5,131,972	91,566	2,234	53,466	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	36,105	10,646
1939	5,214,728	94,432	2,217	52,017	3,952	2,594	4,706	1,396	2,572	200	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	2,667	4,991	1,353	2,799	298	50,989	13,217
1942	5,538,857	124,068	2,532	52,738	4,606	3,091	5,581	1,575	3,067	200	51,582	14,085
1943	5,377,329	125,441	2,569	56,774	4,804	3,279	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	41,578	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	16,527
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
1958	7,866,000	202,690	6,816	65,899	4,980	3,789	6,516	1,208	3,101	69	55,159	14,040
1959	7,960,000	198,301	6,729	66,812	4,846	3,674	6,250	1,201	2,928	72	58,826	16,168
1960	7,823,194	195,056	7,200	67,912	4,702	3,580	6,247	1,148	3,008	75	61,090	16,656
1961	7,903,000	192,825	8,017	67,375	4,604	3,475	5,875	1,003	2,735	78	63,320	16,219
1962	7,939,000	182,790	7,998	70,049	4,367	3,251	5,669	907	2,703	56	65,002	17,500
1963	8,030,000	178,871	8,769	72,438	4,150	3,109	5,407	816	2,540	71	68,160	17,479
1964	8,100,000	175,103	9,724	72,129	4,043	3,071	5,293	807	2,466	62	73,911	19,400
1965	8,199,283	166,464	10,888	73,665	3,936	2,909	5,139	768	2,475	54	81,247	20,305
1966	8,314,070	165,794	12,299	74,596	3,751	2,830	4,909	819	2,295	54	83,903	21,727
1967	8,615,000	162,756	13,403	75,360	3,595	2,714	4,693	718	2,195	52	84,363	23,620

* 1900 - 1960: United States Bureau of Census April 1 Census counts and July 1 estimates.
1961 - 1964: University of Michigan Population Studies Center July 1 estimates.
1965 - 1967: Michigan Center for Health Statistics July 1 estimate.

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. For 1910 through 1921 deaths due to immaturity also include deaths from congenital debility.

Michigan Center for Health Statistics
Michigan Department of Public Health

WILS-News-CAST-4-7-70
INCREASE IN ILLEGITIMATES
UNDER AGE 17 - COMPARING YRS.
1940-1965. NO. MOTHERS UNDER
17 INCREASING - 1967

TABLE 13 - LIVE BIRTH RATES - TOTAL AND ILLEGITIMATE; DEATH RATES - ALL AGES, INFANT, NEONATAL, PERINATAL, FETAL, MATERNAL AND DEATH RATES DUE TO IMMATURITY; MARRIAGE AND DIVORCE RATES

MICHIGAN, 1900 - 1967

(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.)

R A T E											
Year	LIVE BIRTHS		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	25.5	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
1958	25.8	33.6	8.4	24.6	18.7	31.7	6.0	15.3	3.4	14.0	3.6
1959	24.9	33.9	8.4	24.4	18.5	31.1	6.7	14.8	3.6	14.8	4.1
1960	24.9	36.9	8.7	24.1	18.4	31.5	5.9	15.4	3.8	15.6	4.3
1961	24.4	41.6	8.5	23.9	18.0	30.0	5.2	14.2	4.0	16.0	4.1
1962	23.0	43.8	8.8	23.9	17.8	30.6	5.0	14.8	3.1	16.4	4.4
1963	22.3	49.0	9.0	23.2	17.4	29.8	4.6	14.2	4.0	17.0	4.4
1964	21.6	55.5	8.9	23.1	17.5	29.8	4.6	14.1	3.5	18.2	4.8
1965	20.3	65.4	9.0	23.6	17.5	30.4	4.6	14.9	3.2	19.8	5.0
1966	19.9	74.2	9.0	22.6	17.1	29.2	4.9	13.8	3.3	20.2	5.2
1967	18.9	82.4	8.7	22.1	16.7	28.4	4.4	13.5	3.2	19.6	5.5

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. For 1910 through 1921 deaths due to immaturity also include deaths from congenital debility.

TABLE 2A - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
MICHIGAN, 1900 - 1967

Year	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis	Tuberculosis (all forms)	Meningococcal infections	Polio-myelitis	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			
1919	7,896	6,269	2,381	1,254	1,829	8,885		4,231	75	155	3,077	7,910	186
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		6,348	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	5,447	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
1958	6	5,380	-	18	1,233	41,448	688	5,587	228	1,228	4,267	8,621	178
1959	3	9,452	-	8	3,001	12,234	1,136	4,743	141	448	3,421	8,033	136
1960	9	9,287	-	14	1,129	36,161	2,113	4,127	169	88	3,647	8,372	112
1961	3	8,347	-	7	639	29,391	4,607	3,838	253	40	3,309	9,505	102
1962	4	8,116	-	12	1,756	25,303	3,280	3,474	139	21	4,331	11,654	75
1963	5	11,964	-	14	1,410	48,752	2,661	3,298	104	18	5,512	11,043	98
1964	1	17,228	-	13	957	30,897	2,472	3,047	80	3	5,220	12,028	106
1965	-	14,622	-	7	612	28,132	2,625	3,069	107	1	5,638	14,319	95
1966	1	13,862	-	7	653	15,251	2,589	3,259	135	1	5,842	15,424	114
1967	1	13,269	-	8	1,058	1,048	1,915	2,951	76	3	5,581	17,088	78

Note: Meningococcal infections - Prior to 1952 data were for meningococcic meningitis.

TABLE 2B - CASE RATES OF CERTAIN REPORTED COMMUNICABLE DISEASES

MICHIGAN, 1900 - 1967

(Rates per 100,000 Population)

Year	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis	Tuberculosis (all forms)	Meningococcal infections	Poliomyelitis	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
1958	0.1	68.4	0	0.2	15.7	526.9	8.7	71.0	2.9	15.6	54.2	109.6	2.3
1959	0.0	118.7	0	0.1	37.7	153.7	14.3	59.6	1.8	5.6	43.0	100.9	1.7
1960	0.1	118.7	0	0.2	14.4	462.2	27.0	52.8	2.2	1.1	46.6	107.0	1.4
1961	0.0	105.6	0	0.1	8.1	371.9	58.3	48.6	3.2	0.5	41.9	120.3	1.3
1962	0.1	102.2	0	0.2	22.1	318.7	41.3	43.8	1.8	0.3	54.6	146.8	0.9
1963	0.1	149.0	0	0.2	17.6	607.1	33.1	41.1	1.3	0.2	68.6	137.5	1.2
1964	0.0	212.7	0	0.2	11.8	381.4	30.5	37.6	1.0	0.0	64.4	148.5	1.3
1965	0	178.3	0	0.1	7.5	343.1	32.0	37.4	1.3	0.0	68.8	174.6	1.2
1966	0.0	166.7	0	0.1	7.9	183.4	31.1	39.2	1.6	0.0	70.3	185.5	1.4
1967	0.0	154.0	0	0.1	12.3	12.2	22.2	34.2	0.9	0.0	64.8	198.4	0.9

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

Michigan Center for Health Statistics
Michigan Department of Public Health

TABLE 3 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES
MICHIGAN, 1900 - 1967

(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*		Gonorrhea	
	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	67	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	361	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															

TABLE 4 - DEATHS DUE TO SPECIFIED CAUSES, AND RATES
MICHIGAN, 1900 - 1967

(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		General Arterio-sclerosis	
	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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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	1,047	21.6
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	1,005	20.6
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	948	19.2
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	966	19.5
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	914	18.3
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	897	17.8
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	997	19.6
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	1,168	22.8
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	869	16.8
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	918	17.6
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	941	17.9
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	906	16.7
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	1,015	18.3
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	1,092	20.3
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	980	18.2
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	970	17.8
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	933	16.3
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	1,031	17.0
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	1,085	17.5
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	1,135	17.9
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	1,296	20.3
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	1,312	20.0
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	1,294	19.3
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	1,270	18.5
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	1,170	16.7
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	1,237	17.1
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	1,251	16.6
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	1,248	16.0

BIRTHS	DEATHS					
	All Ages	Under 1 Yr	Under 28 Days	Peri-natal	Due to Immaturity	Fetal
332	30,451	6,886			820	1,325
385	32,634	6,539			574	1,501
383	31,412	6,949			608	1,767
490	33,175	6,488			542	1,711
560	34,494	6,419			642	1,831
444	34,879	7,054			791	1,936
1,080	37,033	7,952			830	2,728
1,041	36,709	6,906			615	1,558
888	36,761	7,637			975	2,694
1,068	36,313	7,442			1,152	2,540
1,054	39,911	7,978			2,050	2,918
1,683	38,007	7,131			2,223	2,716
1,732	38,804	6,985			2,340	2,909
1,329	40,827	7,659			2,480	2,816
1,192	39,906	7,431			2,391	2,711
1,363	40,041	8,943			2,207	2,875
1,351	46,067	8,415			2,498	3,476
1,101					69	3,376
1,142					62	1,656
1,002					83	1,561
1,445	51,982	8,587			2,512	3,770
1,364	44,186	7			2,461	3,683
1,180	43,811	6			1,793	3,770
1,210	49,353	7			1,911	3,697
1,443	49,304	7			1,970	3,767
1,158	49,417	7,498	4,022	6,667	1,487	3,670
1,664	54,080	7,620	4,054	6,773	1,845	3,816
1,871	50,600	6,766	3,918	6,794	1,911	3,854
1,853	54,755	6,806	3,739	6,594	1,846	3,701
1,832	56,117	6,693	3,777	6,613	1,275	3,710
1,600	51,561	6,213	3,724	6,518	1,805	3,714
1,613	49,068	5,187	3,874	5,643	1,473	3,226
1,697	49,552	4,636	2,798	5,210	1,372	3,426
2,041	46,757	4,094	2,591	4,906	1,364	2,776
2,124	46,710	4,327	2,717	4,781	1,413	2,607
2,194	51,021	4,170	2,550	4,832	1,369	2,757
2,157	50,777	4,479	2,647	4,726	1,345	2,625
2,254	50,468	4,374	2,700	4,919	1,415	2,736
2,351	50,678	4,319	2,734	4,984	1,444	2,731
2,217	52,017	3,952	2,394	4,704	1,396	2,552
2,280	52,092	4,022	2,624	4,749	1,298	2,602
2,370	52,671	4,166	2,687	4,891	1,351	2,769
2,532	52,723	4,606	2,691	5,581	1,575	3,067
2,569	56,774	4,804	2,979	5,563	1,668	3,711
3,115	54,016	4,328	2,784	5,140	1,412	2,576
3,489	53,641	4,008	2,670	4,906	1,334	2,701
3,466	54,856	3,541	3,323	5,978	1,735	3,668
4,311	56,807	5,055	3,677	6,581	1,385	3,661
4,310	56,520	4,617	3,352	5,968	1,870	3,822
5,953	57,107	4,530	3,232	5,756	1,725	3,951

TABLES

1967

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE
MICHIGAN, 1967

(Place of residence according to rural and urban incorporated areas having a 1960 population of 2,500 or more.)

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
STATE	112,476	1	13,269	8	1,058	1,915	1,048	76	3	993	2,951	5,581	17,088	68,485
ALCONA	5	-	-	-	-	-	-	-	-	-	-	1	-	4
ALGER	107	-	-	-	-	7	1	-	-	1	5	3	1	89
Munising	74	-	-	-	-	5	1	-	-	-	2	2	1	63
Balance of County	33	-	-	-	-	2	-	-	-	1	3	1	-	26
ALLEGAN	512	-	231	-	2	20	14	2	-	11	1	16	49	166
Allegan	48	-	19	-	-	-	1	-	-	-	1	4	2	21
Holland Pt.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Otsego	146	-	83	-	1	6	2	-	-	-	-	-	11	43
Plainwell	32	-	21	-	-	2	1	-	-	-	-	1	4	3
Balance of County	286	-	108	-	1	12	10	2	-	11	-	11	32	99
ALPENA	143	-	58	-	1	6	5	-	-	1	4	2	10	56
Alpena	101	-	56	-	-	1	3	-	-	-	3	2	7	29
Balance of County	42	-	2	-	1	5	2	-	-	1	1	-	3	27
ANTRIM	7	-	2	-	-	2	-	-	-	-	-	1	2	-
ARENAC	16	-	-	-	-	-	1	-	-	3	3	2	7	-
BARAGA	103	-	4	-	5	3	4	-	-	-	2	1	2	82
BARRY	538	-	102	-	2	8	2	-	-	2	2	5	37	378
Hastings	79	-	12	-	-	-	-	-	-	-	-	1	7	59
Balance of County	459	-	90	-	2	8	2	-	-	2	2	4	30	319
BAY	1,367	-	63	-	2	15	10	-	-	23	15	13	92	1,134
Bay City	702	-	25	-	1	2	3	-	-	-	13	11	64	583
Essexville	84	-	1	-	-	3	-	-	-	-	-	1	10	69
Balance of County	581	-	37	-	1	10	7	-	-	23	2	1	18	482
BENZIE	17	-	-	-	-	-	-	-	-	4	-	5	8	-
BERRIEN	347	-	-	-	-	16	-	-	-	7	30	95	199	-
Benton Harbor	151	-	-	-	-	2	-	-	-	-	8	56	85	-
Buchanan	6	-	-	-	-	-	-	-	-	-	-	-	6	-
Niles	46	-	-	-	-	-	-	-	-	-	6	8	32	-
St. Joseph	15	-	-	-	-	2	-	-	-	-	1	4	8	-
Balance of County	129	-	-	-	-	12	-	-	-	7	15	27	68	-
BRANCH	325	-	10	-	3	39	-	-	-	6	9	12	39	207
Coldwater	89	-	5	-	1	19	-	-	-	-	5	6	17	36
Balance of County	236	-	5	-	2	20	-	-	-	6	4	6	22	171
CALHOUN	1,607	-	82	-	8	75	24	3	-	18	41	76	265	1,015
Albion	235	-	1	-	-	14	7	-	-	-	8	14	45	146
Battle Creek	594	-	9	-	4	9	4	1	-	-	28	51	159	329
Marshall	82	-	3	-	-	4	2	-	-	-	1	2	17	53
Springfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	696	-	69	-	4	48	11	2	-	18	4	9	44	487
CASS	113	-	27	-	1	4	7	-	-	3	8	10	31	22
Dowagiac	18	-	-	-	-	-	-	-	-	-	2	5	11	-
Balance of County	95	-	27	-	1	4	7	-	-	3	6	5	20	22
CHARLEVOIX	33	-	1	-	-	1	-	-	-	2	2	1	24	2
Boyer City	3	-	-	-	-	-	-	-	-	-	-	1	2	-
Charlevoix	16	-	-	-	-	-	-	-	-	-	2	-	14	-
Balance of County	14	-	1	-	-	1	-	-	-	2	-	-	8	2
CHEBOYGAN	177	-	4	-	1	-	3	-	-	2	1	5	16	145
Cheboygan	73	-	2	-	-	-	1	-	-	-	-	4	14	52
Balance of County	104	-	2	-	1	-	2	-	-	2	1	1	2	93
CHIPPEWA	74	-	15	-	-	8	6	-	-	5	5	5	15	15
Sault Ste. Marie	23	-	-	-	-	1	-	-	-	-	4	2	13	3
Balance of County	51	-	15	-	-	7	6	-	-	5	1	3	2	12
CIARE	35	-	4	-	-	8	1	-	-	4	2	3	8	5
CLINTON	132	-	24	-	-	4	8	-	-	7	4	5	20	60
St. Johns	6	-	-	-	-	-	-	-	-	-	1	3	2	-
Balance of County	126	-	24	-	-	4	8	-	-	7	3	2	18	60
CRAWFORD	7	-	-	-	-	-	-	-	-	-	-	5	2	-
DELTA	688	-	282	-	3	2	8	-	-	11	11	4	17	350
Escanaba	643	-	277	-	3	2	8	-	-	-	5	3	8	337
Gladstone	3	-	-	-	-	-	-	-	-	-	-	-	2	-
Balance of County	42	-	5	-	-	-	-	-	-	11	5	1	7	13
DICKINSON	738	-	36	-	10	1	8	-	-	3	27	1	7	645
Iron Mountain	183	-	3	-	10	-	6	-	-	-	14	-	4	146
Kingsford	261	-	6	-	-	1	2	-	-	-	4	-	2	246
Norway	150	-	23	-	-	-	-	-	-	-	5	-	-	122
Balance of County	144	-	4	-	-	-	-	-	-	3	4	1	1	131

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	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
TON	567	-	135	-	-	26	1	-	-	3	4	7	63	328
Charlotte	432	-	132	-	-	4	1	-	-	-	2	2	18	273
Eaton Rapids	36	-	-	-	-	-	-	-	-	-	-	1	6	29
Grand Ledge	15	-	-	-	-	1	-	-	-	-	-	1	9	4
Balance of County	84	-	3	-	-	21	-	-	-	3	2	3	30	22
MET	25	-	-	-	-	-	-	-	-	1	3	9	9	3
Petoskey	11	-	-	-	-	-	-	-	-	-	2	4	4	1
Balance of County	14	-	-	-	-	-	-	-	-	1	1	5	5	2
NESEE	5,687	-	344	-	16	160	58	2	-	43	66	139	1,253	3,606
Davison	5	-	-	-	-	-	-	-	-	-	-	2	3	-
Fenton	6	-	-	-	-	-	-	-	-	-	1	2	3	-
Flint	3,542	-	142	-	3	83	47	1	-	27	55	127	1,193	1,864
Flushing	6	-	-	-	-	-	-	-	-	-	-	1	5	-
Mount Morris	21	-	-	-	-	-	-	-	-	-	1	3	17	-
Swartz Creek	3	-	-	-	-	-	-	-	-	-	1	-	2	-
Balance of County	2,104	-	202	-	13	77	11	1	-	16	8	4	30	1,742
ADWIN	33	-	3	-	-	2	2	-	-	8	2	3	5	8
CEBIC	411	-	23	-	-	3	3	1	-	6	13	13	12	337
Bessemer	39	-	-	-	-	-	1	-	-	-	1	2	-	35
Ironwood	194	-	11	-	-	3	1	-	-	-	8	7	2	162
Wakefield	70	-	10	-	-	-	-	-	-	-	4	1	2	53
Balance of County	108	-	2	-	-	-	1	1	-	6	-	3	8	87
RAND TRAVERSE	204	-	93	-	-	1	25	-	-	5	1	2	29	48
Traverse City	28	-	1	-	-	-	1	-	-	-	1	2	23	-
Balance of County	176	-	92	-	-	1	24	-	-	5	-	-	6	48
RATIOT	130	-	36	-	-	14	2	1	-	14	2	12	32	17
Alma	15	-	-	-	-	-	-	-	-	-	1	6	8	-
Ithaca	7	-	-	-	-	-	-	-	-	-	-	2	5	-
St. Louis	7	-	-	-	-	-	-	-	-	-	-	1	6	-
Balance of County	101	-	36	-	-	14	2	1	-	14	1	3	13	17
HILLSDALE	60	-	2	-	-	17	-	1	-	2	4	9	22	3
Hillsdale	26	-	2	-	-	9	-	-	-	-	1	4	9	1
Balance of County	34	-	-	-	-	8	-	1	-	2	3	5	13	2
HOUGHTON	411	-	9	-	1	-	4	-	-	5	28	13	13	338
Hancock	274	-	3	-	1	-	2	-	-	-	4	3	6	255
Houghton	31	-	3	-	-	-	-	-	-	-	8	2	4	14
Laurium	8	-	-	-	-	-	-	-	-	-	3	4	-	1
Balance of County	98	-	3	-	-	-	2	-	-	5	13	4	3	68
IRON	21	-	-	-	2	-	-	-	-	2	9	4	4	-
Bad Axe	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Balance of County	19	-	-	-	2	-	-	-	-	2	7	4	4	-
INGHAM	6,209	-	4,026	-	5	78	13	1	-	20	26	74	585	1,381
East Lansing	68	-	-	-	-	-	-	-	-	-	2	6	60	-
Lansing	5,024	-	3,362	-	5	63	13	-	-	-	21	62	467	1,031
Mason	138	-	78	-	-	2	-	-	-	-	-	1	11	46
Balance of County	979	-	586	-	-	13	-	1	-	20	3	5	47	304
IONIA	1,059	-	149	-	2	9	1	3	-	1	2	8	56	828
Belding	14	-	-	-	-	-	-	-	-	-	-	-	14	-
Ionia	489	-	49	-	2	5	1	-	-	-	2	7	22	401
Portland	4	-	-	-	-	-	-	-	-	-	-	-	4	-
Balance of County	552	-	100	-	-	4	-	3	-	1	-	1	16	427
OSCO	944	-	334	-	-	4	2	-	-	1	-	4	3	594
IRON	202	-	21	-	-	-	-	-	-	2	29	-	1	149
Iron River	11	-	-	-	-	-	-	-	-	-	11	-	-	-
Balance of County	191	-	21	-	-	-	-	-	-	2	18	-	1	149
ISABELLA	72	-	10	-	-	13	-	-	-	12	5	8	11	13
Mount Pleasant	30	-	1	-	-	4	-	-	-	-	4	8	10	3
Balance of County	42	-	9	-	-	9	-	-	-	12	1	-	1	10
JACKSON	623	-	85	-	2	28	-	1	-	13	26	71	132	265
Jackson	284	-	49	-	2	13	-	1	-	-	24	49	103	43
Balance of County	339	-	36	-	-	15	-	-	-	13	2	22	29	222
KALAMAZOO	3,796	-	191	-	12	36	19	1	-	12	12	53	697	2,763
Kalamazoo	1,843	-	92	-	9	16	14	1	-	-	10	47	678	976
Balance of County	1,953	-	99	-	3	20	5	-	-	12	2	6	19	1,787
KALKASKA	9	-	-	-	2	2	-	-	-	1	-	3	-	1
KENT	4,850	-	2,297	-	39	61	12	6	-	17	87	101	1,468	762
East Grand Rapids	673	-	563	-	7	3	1	-	-	-	-	-	2	97
Grand Rapids	2,607	-	600	-	15	21	6	5	-	-	74	95	1,341	450
Grandville	767	-	698	-	8	-	3	1	-	-	-	-	16	41
Lowell	11	-	1	-	-	-	-	-	-	-	5	-	5	-
Sparta	258	-	167	-	-	1	-	-	-	-	4	1	18	67
Wyoming	118	-	22	-	7	7	-	-	-	-	2	1	30	49
Balance of County	416	-	246	-	2	29	2	-	-	17	2	4	56	58

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	Hepatitis, infectious and serum	Measles	Meningococcal infections	Polomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
KEWEENAW	9	-	-	-	-	-	-	-	-	-	1	1	-	7
LAKE	13	-	-	-	-	-	-	-	-	1	2	4	6	-
Lapeer	496	-	35	-	7	16	1	-	-	5	4	8	23	397
Balance of County	20	-	-	-	-	1	-	-	-	-	2	1	11	5
	476	-	35	-	7	15	1	-	-	5	2	7	12	392
LEELANAU	10	-	-	-	-	-	-	-	-	2	2	2	4	-
LENAWEE	312	-	16	-	1	11	8	-	-	8	9	14	46	199
Adrian	121	-	2	-	-	3	4	-	-	-	5	10	24	73
Blissfield	9	-	2	-	-	-	1	-	-	-	2	-	-	4
Hudson	4	-	2	-	-	-	-	-	-	-	-	-	1	1
Tecumseh	25	-	3	-	-	5	-	-	-	-	1	1	6	9
Balance of County	153	-	7	-	1	3	3	-	-	8	1	3	15	112
LIVINGSTON	262	-	11	-	3	5	2	1	1	6	8	8	15	202
Howell	25	-	-	-	2	2	1	-	-	-	5	1	3	11
Balance of County	237	-	11	-	1	3	1	1	1	6	3	7	12	191
LUCE	52	-	-	-	-	2	2	-	-	8	-	3	1	36
Newberry	37	-	-	-	-	1	2	-	-	-	-	1	1	32
Balance of County	15	-	-	-	-	1	-	-	-	8	-	2	-	4
MACKINAC	70	-	-	-	-	3	-	-	-	6	2	6	9	44
St. Ignace	48	-	-	-	-	-	-	-	-	-	-	1	4	43
Balance of County	22	-	-	-	-	3	-	-	-	6	2	5	5	1
MACOMB	7,418	-	212	1	14	76	55	6	-	38	132	104	147	6,633
Center Line	256	-	4	-	1	1	1	-	-	-	4	3	1	241
East Detroit	77	-	-	-	1	7	3	1	-	-	16	7	3	39
Fraser	99	-	2	-	-	-	2	-	-	-	-	3	1	90
Mount Clemens	279	-	1	-	-	1	-	-	-	-	18	30	48	180
New Baltimore Pt.	49	-	1	-	-	-	1	-	-	-	2	2	3	40
Richmond	28	-	5	-	-	-	-	-	-	-	4	-	1	18
Romeo	52	-	1	-	-	1	-	-	-	-	-	-	-	46
Roseville	412	-	40	-	2	14	5	2	-	-	12	6	10	321
St. Clair Shores	1,324	-	29	-	2	9	23	-	-	-	20	8	9	1,224
Warren	3,255	-	93	1	2	21	18	1	-	-	40	32	47	3,000
Balance of County	1,587	-	35	-	6	22	2	2	-	38	11	15	22	1,434
MANISTEE	49	-	1	-	-	5	3	-	-	6	2	-	11	21
Manistee	36	-	1	-	-	3	3	-	-	-	-	-	8	21
Balance of County	13	-	-	-	-	2	-	-	-	6	2	-	3	-
MARQUETTE	432	-	18	-	2	2	30	1	-	3	23	10	34	309
Ishpeming	106	-	7	-	-	-	11	-	-	-	3	-	-	85
Marquette	155	-	5	-	2	2	17	1	-	-	11	6	30	81
Negaunee	21	-	-	-	-	-	-	-	-	-	3	1	-	17
Balance of County	150	-	6	-	-	-	2	-	-	3	6	3	4	126
MASON	80	-	1	-	-	4	1	-	-	5	3	7	10	49
Ludington	12	-	-	-	-	-	-	-	-	-	1	4	7	-
Balance of County	68	-	1	-	-	4	1	-	-	5	2	3	3	49
MECOSTA	464	-	44	-	-	2	-	1	-	2	5	1	21	388
Big Rapids	399	-	37	-	-	2	-	-	-	-	1	-	11	348
Balance of County	65	-	7	-	-	-	-	1	-	2	4	1	10	40
MENOMINEE	393	-	23	-	4	1	9	-	-	4	3	2	4	343
Menominee	127	-	12	-	2	1	-	-	-	-	3	2	1	106
Balance of County	266	-	11	-	2	-	9	-	-	4	-	-	3	237
MIDLAND	1,570	-	105	-	-	18	1	-	-	4	3	7	29	1,403
Midland	811	-	41	-	-	3	-	-	-	-	3	5	23	736
Balance of County	759	-	64	-	-	15	1	-	-	4	-	2	6	667
MISSAUKEE	10	-	1	-	-	1	-	-	-	1	1	-	1	5
MONROE	2,019	-	162	-	7	124	-	2	-	28	20	23	49	1,604
Milan Pt.	2	-	-	-	-	-	-	-	-	-	-	1	-	1
Monroe	685	-	46	-	-	35	-	-	-	-	11	11	35	547
Balance of County	1,332	-	116	-	7	89	-	2	-	28	9	11	14	1,056
MONTCALM	120	-	15	-	-	16	8	-	-	1	20	7	42	11
Greenville	27	-	-	-	-	1	-	-	-	-	2	1	23	-
Balance of County	93	-	15	-	-	15	8	-	-	1	18	6	19	11
MONTMORENCY	3	-	-	-	-	-	-	-	-	1	-	1	1	-
MUSKEGON	1,347	-	24	1	10	52	8	-	-	25	30	38	437	722
Muskegon	766	-	7	-	2	24	3	-	-	-	19	29	338	344
Muskegon Heights	208	-	1	-	3	3	-	-	-	-	7	5	67	122
North Muskegon	8	-	-	-	-	1	-	-	-	-	-	-	6	1
Roosevelt Park	2	-	-	-	-	-	-	-	-	-	-	-	-	2
Whitehall	22	-	4	-	-	7	-	-	-	-	-	-	2	9
Balance of County	341	-	12	1	5	17	5	-	-	25	4	4	24	244
NEWAYGO	40	-	-	-	-	3	-	-	-	6	3	5	23	-
Fremont	6	-	-	-	-	-	-	-	-	-	1	1	4	-
Balance of County	34	-	-	-	-	3	-	-	-	6	2	4	19	-

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	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Pollomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
OAKLAND	12,293	-	589	2	21	122	51	11	-	57	245	211	943	10,041
Berkley	404	-	37	-	-	1	-	-	-	-	5	2	8	351
Beverly Hills	29	-	1	-	-	3	-	-	-	-	-	-	-	25
Birmingham	1,071	-	83	-	-	6	8	-	-	-	11	10	18	935
Clawson	240	-	12	-	-	2	-	-	-	-	5	5	1	215
Farmington	470	-	33	-	-	10	4	1	-	-	7	9	16	390
Ferndale	350	-	9	-	1	3	1	2	-	-	11	15	17	291
Hazel Park	188	-	8	-	-	-	-	-	-	-	5	5	28	142
Holly	40	-	-	-	2	1	-	-	-	-	2	2	8	25
Huntington Woods	32	-	1	-	-	3	-	-	-	-	-	1	1	26
Keego Harbor	14	-	-	-	-	-	-	-	-	-	-	1	5	6
Lake Orion	114	-	3	-	3	5	-	1	-	-	2	1	7	91
Lathrup Village	47	-	-	-	1	-	1	-	-	-	3	1	-	42
Madison Heights	346	-	21	-	-	2	-	1	-	-	9	8	19	286
Milford	69	-	4	-	-	2	-	-	-	-	3	2	4	54
Northville Pt.	12	-	1	-	-	-	-	-	-	-	3	-	-	8
Novi	74	-	15	-	-	-	-	-	-	-	-	-	3	56
Oak Park	347	-	19	-	1	4	2	-	-	-	8	5	7	301
Pleasant Ridge	27	-	-	-	-	-	-	-	-	-	1	-	-	26
Pontiac	1,859	-	41	-	7	14	4	2	-	14	71	101	633	972
Rochester	180	-	18	-	-	5	1	-	-	-	9	5	14	128
Royal Oak	983	-	51	-	2	13	1	2	-	-	31	13	42	828
Southfield	1,338	-	33	-	-	6	8	1	-	-	22	4	20	1,244
Troy	316	-	5	-	-	2	2	-	-	-	7	3	16	281
Walled Lake	411	-	62	2	-	-	-	-	-	-	4	3	5	335
Balance of County	3,332	-	132	-	4	40	19	1	-	43	23	16	71	2,983
OCEANA	91	-	7	-	-	5	-	-	-	3	2	3	3	68
OGEAW	11	-	1	-	-	2	-	-	-	-	3	4	1	-
ONTONAGON	85	-	-	-	4	-	1	2	-	6	3	2	4	63
OSCEOLA	20	-	-	-	-	-	-	-	-	3	1	1	14	1
OSCODA	12	-	-	-	-	3	-	-	-	2	-	1	-	6
OTSEGO	6	-	-	-	-	-	-	-	-	3	-	-	2	1
Gaylord	2	-	-	-	-	-	-	-	-	-	-	-	2	-
Balance of County	4	-	-	-	-	-	-	-	-	3	-	-	-	1
OTTAWA	1,624	-	98	-	27	13	2	1	-	16	8	8	76	1,375
Grand Haven	170	-	6	-	-	1	1	-	-	-	1	-	12	149
Holland Pt.	139	-	6	-	-	1	-	-	-	-	4	6	22	100
Rudsonville	5	-	-	-	-	-	-	-	-	-	1	-	4	-
Zeeland	7	-	-	-	-	-	-	-	-	-	1	-	6	-
Balance of County	1,303	-	86	-	27	11	1	1	-	16	1	2	32	1,126
PRESQUE ISLE	47	-	-	-	-	-	1	-	-	4	4	2	2	34
Rogers City	21	-	-	-	-	-	-	-	-	-	-	1	-	20
Balance of County	26	-	-	-	-	-	1	-	-	4	4	1	2	14
ROSCOMMON	166	-	8	-	-	1	-	-	-	1	1	5	5	145
SAGINAW	2,332	-	146	-	9	131	70	-	1	11	41	82	390	1,451
Chesaning	2	-	-	-	-	-	-	-	-	-	1	-	1	-
Saginaw	1,379	-	44	-	5	41	59	-	-	8	34	75	359	754
Balance of County	951	-	102	-	4	90	11	-	1	3	6	7	30	697
ST. CLAIR	514	-	12	-	1	8	19	1	-	13	15	15	197	233
Algonac	28	-	-	-	-	-	2	-	-	-	-	1	1	24
Marine City	30	-	-	-	-	1	7	-	-	-	-	1	3	18
Marysville	15	-	-	-	-	-	-	-	-	-	-	1	9	5
New Baltimore Pt.	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Port Huron	319	-	8	-	-	1	6	1	-	-	9	7	172	115
St. Clair	32	-	-	-	1	1	-	-	-	-	1	-	7	22
Balance of County	89	-	4	-	-	5	4	-	-	13	5	4	5	49
ST. JOSEPH	283	-	22	-	-	1	7	-	-	6	6	24	37	180
Sturgis	13	-	-	-	-	1	-	-	-	-	1	6	5	-
Three Rivers	200	-	22	-	-	-	7	-	-	-	4	15	10	142
Balance of County	70	-	-	-	-	-	-	-	-	6	1	3	22	38
SANILAC	73	-	11	-	1	8	10	-	-	12	2	3	14	12
SCHOOLCRAFT	14	-	-	-	-	1	1	-	-	-	2	2	3	5
Manistique	4	-	-	-	-	-	1	-	-	-	1	-	2	-
Balance of County	10	-	-	-	-	1	-	-	-	-	1	2	1	5
SHIAWASSEE	165	-	6	-	-	3	1	-	-	11	4	8	42	90
Corunna	5	-	-	-	-	-	-	-	-	-	-	2	3	-
Durand	5	-	-	-	-	-	1	-	-	-	-	2	2	-
Owosso	36	-	-	-	-	-	-	-	-	-	3	4	29	-
Balance of County	119	-	6	-	-	3	-	-	-	11	1	-	8	90
TUSCOLA	267	-	5	-	10	63	19	-	-	36	6	8	10	110
Caro	28	-	-	-	-	12	3	-	-	-	-	-	1	12
Vassar	11	-	-	-	-	4	-	-	-	-	1	1	2	3
Balance of County	228	-	5	-	10	47	16	-	-	36	5	7	7	95

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	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Polio myelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
VAN BUREN	730	1	61	-	3	8	20	1	-	11	14	31	96	484
Paw Paw	86	-	-	-	-	-	2	-	-	-	-	1	6	77
South Haven	106	-	11	-	-	1	12	1	-	-	5	4	17	55
Balance of County	538	1	50	-	3	7	6	-	-	11	9	26	73	352
WASHTENAW	3,512	-	1,178	-	3	43	17	1	-	17	47	97	404	1,705
Ann Arbor	2,412	-	973	-	2	19	10	1	-	10	18	46	208	1,125
Chelsea	6	-	-	-	-	-	-	-	-	-	1	1	3	1
Milan Pt.	17	-	-	-	-	-	-	-	-	-	-	6	11	-
Ypsilanti	335	-	25	-	-	6	2	-	-	-	22	36	158	86
Balance of County	742	-	180	-	1	18	5	-	-	7	6	8	24	493
WAYNE	42,159	-	1,640	4	800	462	456	25	1	338	1,781	4,015	8,678	23,959
Allen Park	340	-	6	-	-	4	1	-	-	-	10	2	13	304
Dearborn	1,262	-	43	-	1	10	10	1	-	7	106	24	51	1,009
Detroit	28,813	-	730	2	745	276	379	21	-	206	1,272	3,643	7,916	13,623
Ecorse	95	-	1	-	2	8	-	-	-	-	7	39	26	12
Flat Rock	32	-	3	-	-	1	-	-	-	-	4	2	3	19
Garden City	509	-	11	2	1	7	4	-	-	-	16	5	11	452
Grosse Pointe	221	-	1	-	-	5	-	-	-	-	8	2	3	202
Grosse Pte. Farms	54	-	-	-	-	2	-	-	-	-	1	2	-	49
Grosse Pte. Park	80	-	2	-	-	3	-	-	-	-	2	-	1	72
Grosse Pte. Woods	50	-	2	-	-	4	-	-	-	-	1	2	4	37
Hamtramck	200	-	-	-	-	3	4	1	-	3	21	21	32	115
Harper Woods	149	-	4	-	-	-	1	-	-	-	8	2	3	131
Highland Park	566	-	9	-	4	4	4	-	-	5	15	37	105	383
Inkster	895	-	24	-	12	5	5	-	-	-	39	58	255	497
Lincoln Park	293	-	7	-	2	8	2	-	1	-	23	11	18	221
Livonia	1,095	-	55	-	5	7	2	-	-	-	33	9	17	967
Melvindale	60	-	3	-	-	3	-	-	-	-	3	6	4	41
Northville Pt.	128	-	87	-	-	1	-	-	-	-	4	5	5	26
Plymouth	418	-	279	-	-	1	1	-	-	-	11	6	10	110
River Rouge	518	-	14	-	-	6	1	-	-	-	14	44	19	420
Riverview	190	-	12	-	-	-	11	1	-	-	2	2	2	160
Southgate	284	-	10	-	3	3	2	-	-	-	17	1	8	240
Trenton	213	-	22	-	-	-	-	-	-	-	6	2	2	181
Wayne	233	-	22	-	-	15	2	-	-	-	15	17	47	115
Wyandotte	561	-	8	-	1	8	7	-	-	3	26	11	19	478
Balance of County	4,900	-	285	-	24	78	20	1	-	114	117	62	104	4,095
WEXFORD	75	-	30	-	-	6	-	-	-	2	-	4	8	25
Cadillac	47	-	22	-	-	3	-	-	-	-	-	2	4	16
Balance of County	28	-	8	-	-	3	-	-	-	2	-	2	4	9
State Homes	424	-	84	-	12	21	1	1	-	-	-	-	-	305

* Thirty-three of these were serum hepatitis.

** Includes:

Bites, Animal 28,189
 Chickenpox 12,649
 Diarrhea of newborn (under 28 days) 8
 Dysentery, amebic 5
 Dysentery, bacillary 417
 Encephalitis, infectious 113
 Erysipelas 18
 Food Poisonings 14
 Fungus, Infection (systemic) 594
 Impetigo 1,068

Infectious Mononucleosis 673
 Influenza 3,008
 Malaria 17
 Meningitis, aseptic 94
 Meningitis, influenzal 59
 Meningitis, other 156
 Mumps 18,022
 Pediculosis 109
 Pink eye 279
 Psittacosis 1
 Puerperal Streptococcal infection 1

Rabies in animals 25
 Rubella 2,338
 Salmonella infections 577
 Scabies 22
 Staphylococcal infection (neonatal or postpartum) 13
 Tetanus 7
 Trichinosis 1
 Undulant Fever 6
 Weil's Disease 2

Ringworm

TABLE 6A - ACCIDENTAL DEATHS BY CAUSE, SEX, AND AGE
MICHIGAN, 1967

(By place of residence. Cause of death classified according to Seventh Revision of International List, 1955.)

CAUSE OF DEATH	INT. LIST NUMBER	N U M B E R										P E R C E N T									
		A G E I N Y E A R S										A G E I N Y E A R S									
		All Ages	Under 1	1 4	5 14	15 24	25 44	45 64	65 74	75 & Over*	All Ages	Under 1	1 4	5 14	15 24	25 44	45 64	65 74	75 & Over		
GRAND TOTAL Male Female	E800-E962	4,519 3,131 1,388	98 61 37	204 121 83	323 219 104	865 690 175	919 725 194	989 722 267	441 274 167	680 319 361	100.0 100.0 100.0	2.2 1.9 2.7	4.5 3.9 6.0	7.2 7.0 7.5	19.1 22.0 12.6	20.3 23.2 14.0	21.9 23.1 19.2	9.8 8.7 12.0	15.0 10.2 26.0		
	E800-E866	2,437 1,771 666	16 9 7	73 47 26	187 124 63	683 531 152	621 477 144	527 371 156	202 124 78	128 88 40	53.9 39.2 14.7	16.3 9.2 7.1	35.8 23.0 12.8	57.9 38.4 19.5	79.0 61.4 17.6	67.6 51.9 15.7	53.3 37.5 15.8	45.8 28.1 17.7	18.8 12.9 5.9		
	E810-E835	2,265	16	70	177	641	573	468	196	124	50.1	16.3	34.3	54.8	74.1	62.3	47.3	44.5	18.2		
	E800-E802 E840-E845 E850-E858 E860-E866	33 7 78 54	- - - -	1 1 1 -	1 3 5 1	5 - 27 10	9 1 18 20	13 1 23 22	1 - 4 1	3 - - -	0.7 0.2 1.7 1.2	0 0 0 0	0.5 0.5 0.5 0	0.3 0.9 1.6 0.3	0.6 0 3.1 1.2	1.0 0 2.0 2.2	1.3 0.1 2.4 2.2	0.2 0 0.9 0.2	0.4 0 0 0		
NON-TRANSPORT TOTAL Male Female	E870-E936	2,017 1,324 693	80 44 36	131 81 50	136 95 41	178 156 22	290 241 49	440 339 101	227 143 84	535 225 310	44.6 29.3 15.3	81.6 44.9 36.7	64.2 39.7 24.5	42.1 29.4 12.7	20.5 18.0 2.5	31.5 26.2 5.3	44.5 34.3 10.2	51.5 32.4 19.1	78.7 33.1 45.6		
	E870-E895 E900-E904 E910 E912 E914 E916 E917,E918 E919 E921,E922 E923 E924,E925 E929	163 806 35 69 33 282 13 96 63 49 32 226 150	1 7 - - - 5 - - 21 12 16 2 16	9 11 2 1 41 7 3 6 2 3 32 11	6 6 - 3 35 - 18 2 2 3 5 45 10	22 14 6 10 11 42 - 34 8 2 2 58 11	57 45 12 23 15 42 1 21 18 4 3 34 25	48 158 11 19 8 71 1 15 4 11 7 40 39	9 132 2 9 - 34 5 - 4 7 - 17	11 433 2 4 1 43 3 - - 21 4 2 - 8 21	3.6 17.8 0.8 1.5 0.7 6.2 0.3 2.1 1.4 1.1 0.7 5.0 3.3	1.0 7.2 0 0 0 5.1 0 0 21.4 12.3 16.3 2.0 16.3	4.4 5.4 1.0 0.5 0.9 20.1 3.4 1.5 2.9 1.5 2.4 15.7 5.4	1.9 1.9 0 0.9 10.8 0 5.6 0.6 0.9 1.6 3.9 3.1	2.5 1.6 0.7 1.2 0.7 1.3 0 0.2 0.2 0.2 6.7 1.3	6.2 4.9 1.3 2.5 1.6 7.2 0.1 3.9 0.9 0.4 0.3 7.7 2.7	4.9 16.0 1.1 1.9 0.8 7.7 0.2 1.5 1.8 1.1 0.1 4.1 3.9	2.0 29.9 0.5 2.0 0 0.2 0.4 1.2 0.9 1.6 0.3 3.9	1.6 63.7 0.3 0.6 0.2 6.3 0.4 0 0.3 1.0 1.6 1.2 3.1		
	E940-E962	65	2	-	-	4	8	22	12	17	1.5	2.1	0	0	0.5	0.9	2.2	2.7	2.5		
	THERAPEUTIC MISADVENTURE & LATE COMPLICATION, COMPLICATIONS OF NONTHERAPEUTIC PROCEDURES, LATE EFFECTS OF INJURY & POISONING																				

* Includes 1 with age not stated.

** Thirty-four of these were non-traffic accidents.

*** Sixty-eight of these were drownings resulting from water transport accidents.

TABLE 6B - NON-TRANSPORT ACCIDENTAL DEATHS BY PLACE OF ACCIDENT AND CAUSE
MICHIGAN, 1967

(By place of residence. Cause of death classified according to Seventh Revision of International List, 1955.)

PLACE OF ACCIDENT	TOTAL	E870- E895 - Poisoning	E900- Falls	E910 Blows from falling objects	E912 Machinery	E914 Electric current	E916 Fire and explosion	E917, Hot substance, corrosive liquid, steam and radiation	E919 Firearm	E921, Inhalation and ingestion of food or other object causing obstruction or suffocation	E923 Foreign body entering other orifice	E924, Mechanical suffocation	E929 Drowning	Other
NON-TRANSPORT TOTAL	2,017	163	806	35	69	33	282	13	96	63	49	32	226	150
Home	924	87	368	11	5	12	250	13	54	25	5	21	30	43
Farm	65	1	7	3	26	3	3	-	8	-	-	3	5	6
Mine and quarry	18	-	2	4	2	-	2	-	2	-	-	-	4	2
Industrial place and premises	77	-	20	6	21	6	6	-	-	-	-	6	3	9
Place for recreation and sport	31	3	1	-	5	1	-	-	2	1	-	-	19	4
Street and highway	80	15	37	2	5	5	-	-	5	2	-	-	-	9
Public building	53	4	24	2	1	1	9	-	4	3	9	-	1	4
Resident institution	114	2	74	2	1	-	6	-	-	12	9	-	1	9
Other specified places	253	19	19	6	8	4	3	-	18	2	2	1	156	15
Place not specified	402	32	254	-	1	1	3	-	3	18	33	1	7	49
NON-TRANSPORT TOTAL	100	8.1	40.0	1.7	3.4	1.6	14.0	0.7	4.8	3.1	2.4	1.6	11.2	7.4
Home	100	9.4	39.8	1.2	0.5	1.3	27.1	1.4	5.8	2.7	0.5	2.3	3.3	4.7
Farm	100	1.6	10.8	4.6	40.0	4.6	4.6	-	12.3	-	-	4.6	7.7	9.2
Mine and quarry	100	-	11.1	22.2	11.1	-	11.1	-	11.1	-	-	-	22.2	11.1
Industrial place and premises	100	-	26.0	7.8	27.2	7.8	7.8	-	-	-	-	7.8	3.9	11.7
Place for recreation and sport	100	9.7	3.2	-	-	3.2	-	-	6.5	3.2	-	-	61.3	12.9
Street and highway	100	18.7	46.2	2.5	6.3	6.3	-	-	7.5	2.5	-	-	-	11.2
Public building	100	7.5	45.3	3.8	1.9	1.9	17.0	-	7.5	5.7	-	-	1.9	7.5
Resident institution	100	1.7	64.9	0.9	-	-	5.3	-	-	10.5	7.9	-	0.9	7.9
Other specified places	100	7.5	7.5	2.4	3.2	1.6	1.2	-	7.1	0.8	0.8	0.4	61.6	5.9
Place not specified	100	8.0	63.2	-	0.2	0.2	0.8	-	0.8	4.5	8.2	0.2	1.7	12.2

TABLE 6C - ACCIDENTAL DEATHS BY PLACE OF ACCIDENT AND LEADING CAUSES OF DEATH
MICHIGAN, 1967

(By place of residence. Cause of death classified according to Seventh Revision of International List, 1955.)

PLACE OF ACCIDENT AND LEADING CAUSES OF DEATH	Number	Percent	Percent of Total	
GRAND TOTAL	4,519		100	
TRANSPORT	2,437		53.9	
MOTOR VEHICLE	2,265	100		50.1
OTHER TRANSPORT	172	100		3.8
Water transportation	78	45.3		
Air transportation	54	31.4		
Railroad	33	19.2		
Other road vehicle	7	4.1		
NON-TRANSPORT	2,017		44.6	
HOME	924	100		20.4
Falls	368	39.8		
Fire and explosion of combustible material	250	27.1		
Poisoning	87	9.4		
Firearm	54	5.8		
Drowning	30	3.3		
Inhalation and ingestion of food or other objects causing obstruction or suffocation	25	2.7		
Mechanical suffocation	21	2.3		
Other	89	9.6		
FARM	65	100		1.4
Machinery	26	40.0		
Firearm	8	12.3		
Falls	7	10.8		
Drowning	5	7.7		
Other	19	29.2		
MINE AND QUARRY	18	100		0.4
Blow from falling object	4	22.2		
Drowning	4	22.2		
Other	10	55.6		
INDUSTRIAL PLACE AND PREMISES	77	100		1.7
Machinery	21	27.2		
Falls	20	26.0		
Other	36	46.8		
RECREATION AND SPORT	31	100		0.7
Drowning	19	61.3		
Poisoning	3	9.7		
Firearm	2	6.5		
Other	7	22.5		
STREET AND HIGHWAY	80	100		1.8
Falls	37	46.2		
Poisoning	15	18.7		
Machinery	5	6.3		
Electric current	5	6.3		
Firearm	5	6.3		
Other	13	16.2		
PUBLIC BUILDING	53	100		1.2
Falls	24	45.3		
Fire and explosion	9	17.0		
Poisoning	4	7.5		
Firearm	4	7.5		
Inhalation and ingestion of food or other objects causing obstruction or suffocation	3	5.7		
Other	9	17.0		
RESIDENT INSTITUTION	114	100		2.5
Falls	74	64.9		
Inhalation and ingestion of food or other objects causing obstruction or suffocation	12	10.5		
Foreign body entering other orifice	9	7.9		
Other	19	16.7		
OTHER SPECIFIED PLACES	253	100		5.6
Drowning	156	61.6		
Poisoning	19	7.5		
Falls	19	7.5		
Firearm	18	7.1		
Machinery	8	3.2		
Blow from falling object	6	2.4		
Other	27	10.7		
PLACE NOT SPECIFIED	402	100		8.9
Falls	254	63.2		
Foreign body entering other orifice	33	8.2		
Poisoning	32	8.0		
Inhalation and ingestion of food or other objects causing obstruction or suffocation	18	4.5		
Drowning	7	1.7		
Other	58	14.4		
THERAPEUTIC MISADVENTURE AND LATE COMPLICATIONS, COMPLICATIONS OF NONTHERAPEUTIC PROCEDURES, LATE EFFECTS OF INJURY AND POISONING	65		1.5	

TABLE 6D - NON-TRANSPORT ACCIDENTAL DEATHS BY PLACE OF ACCIDENT, AGE, AND CAUSE
MICHIGAN, 1967

(By place of residence. Cause of death classified according to Seventh Revision of International List, 1955.)

PLACE OF ACCIDENT AND AGE	TOTAL	SEX		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 obstruction or suffocation E921, E922	Foreign body entering other orifice E923	Mechanical suffocation E924, E925	Drowning E929	Other	
		Male	Female														
NON-TRANSPORT TOTAL	2,017	1,324	693	163	806	35	69	33	282	13	96	63	49	32	226	150	
HOME-ALL AGES	924	553	371	87	368	11	5	12	250	13	54	25	5	21	30	43	
Under 1	51	24	27	-	6	-	-	-	5	-	-	12	-	15	1	11	
1 - 4	102	62	40	7	8	-	-	-	40	7	3	5	2	5	18	5	
5 - 14	64	40	24	3	5	-	-	2	35	-	12	-	-	-	2	5	
15 - 24	67	38	9	5	5	2	-	2	10	-	19	-	-	-	1	3	
25 - 44	117	81	36	31	25	2	3	6	30	1	7	4	1	1	3	3	
45 - 64	207	146	61	32	81	3	2	1	61	1	10	3	3	-	3	10	
65 & Over	336	162	174	9	238	2	-	1	69	4	3	1	1	-	2	6	
FARM-ALL AGES	65	62	3	1	7	3	26	3	3	-	8	-	-	3	5	6	
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	4	2	2	-	-	-	1	-	-	-	-	-	-	-	1	2	
5 - 14	8	7	1	-	-	-	2	1	-	-	1	-	-	3	-	1	
15 - 24	6	6	-	-	1	-	2	-	-	-	2	-	-	-	1	-	
25 - 44	10	10	-	-	1	2	3	-	-	-	1	-	-	-	2	1	
45 - 64	16	16	-	1	2	1	6	2	-	-	2	-	-	-	1	1	
65 & Over	21	21	-	-	3	-	12	-	3	-	2	-	-	-	-	1	
MINE & QUARRY-ALL AGES	18	18	-	-	2	4	2	-	2	-	2	-	-	-	4	2	
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 14	2	2	-	-	-	-	-	-	-	-	1	-	-	-	1	-	
15 - 24	3	3	-	-	1	1	-	-	-	-	-	-	-	-	1	-	
25 - 44	7	7	-	-	-	2	2	-	1	-	1	-	-	-	1	-	
45 - 64	6	6	-	-	1	1	-	-	1	-	-	-	-	-	1	2	
65 & Over	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INDUSTRIAL PLACE & PREMISES-ALL AGES	77	76	1	-	20	6	21	6	6	-	-	-	-	6	3	9	
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 14	4	3	1	-	-	-	-	-	-	-	-	-	-	-	2	-	
15 - 24	13	13	-	-	3	1	5	-	-	-	-	-	-	-	1	1	
25 - 44	28	28	-	-	3	3	8	4	5	-	-	-	-	-	-	3	
45 - 64	29	29	-	-	12	2	8	2	1	-	-	-	-	-	-	4	
65 & Over	3	3	-	-	2	-	-	-	-	-	-	-	-	-	-	1	
PLACE FOR RECREATION & SPORT-ALL AGES	31	26	5	3	1	-	-	1	-	-	2	1	-	-	19	4	
Under 1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
5 - 14	7	5	2	-	1	-	-	-	-	-	-	-	-	-	5	1	
15 - 24	13	11	2	3	-	-	-	1	-	-	-	-	-	-	7	2	
25 - 44	6	5	1	-	-	-	-	-	-	-	2	-	-	-	4	-	
45 - 64	3	3	-	-	-	-	-	-	-	-	-	1	-	-	2	-	
65 & Over	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
STREET & HIGHWAY-ALL AGES	80	75	5	15	37	2	5	5	-	-	5	2	-	-	-	9	
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 14	1	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
15 - 24	10	9	1	4	-	-	2	2	-	-	2	-	-	-	-	4	
25 - 44	25	23	2	9	6	1	2	1	-	-	2	-	-	-	-	3	
45 - 64	25	24	1	2	15	1	1	2	-	-	-	-	-	-	-	-	
65 & Over	19	18	1	-	16	-	-	-	-	-	-	1	-	-	-	2	
PUBLIC BUILDING-ALL AGES	53	40	13	4	24	2	1	1	9	-	4	3	-	-	1	4	
Under 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 - 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15 - 24	6	5	1	1	1	1	-	-	1	-	1	-	-	-	1	-	
25 - 44	13	12	1	1	3	1	-	1	4	-	2	-	-	-	-	1	
45 - 64	15	14	1	1	7	-	-	-	3	-	1	2	-	-	-	1	
65 & Over	19	9	10	1	13	-	1	-	1	-	-	1	-	-	-	2	
RESIDENT INSTITUTION-ALL AGES	114	49	65	2	74	1	-	-	6	-	-	12	9	-	1	9	
Under 1	6	5	1	-	-	-	-	-	-	-	-	-	3	-	1	2	
1 - 4	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	
5 - 14	2	-	2	-	-	-	-	-	-	-	-	1	1	-	-	-	
15 - 24	3	1	2	-	1	-	-	-	-	-	-	1	1	-	-	-	
25 - 44	4	4	-	1	-	-	-	-	1	-	-	-	-	-	-	-	
45 - 64	15	7	8	-	4	-	-	-	2	-	-	7	1	-	-	1	
65 & Over	83	32	51	1	69	1	-	-	3	-	-	1	2	-	-	6	
OTHER SPECIFIED PLACES-ALL AGES	253	224	29	19	19	6	8	4	3	-	18	2	2	1	156	15	
Under 1	15	12	3	-	1	-	-	-	1	-	-	-	-	-	12	1	
1 - 4	40	32	8	2	-	-	-	-	-	-	3	-	-	-	33	2	
5 - 14	67	63	4	6	2	1	1	-	-	-	9	-	-	-	46	2	
15 - 24	53	50	3	7	4	1	5	3	1	-	5	2	-	-	22	3	
25 - 44	62	55	7	3	10	3	2	1	1	-	1	-	2	1	33	5	
45 - 64	62	55	7	3	10	3	2	1	1	-	1	-	2	1	33	5	
65 & Over	16	12	4	1	2	1	-	-	-	-	-	-	-	-	10	2	
PLACE NOT SPECIFIED-ALL AGES	402	201	201	32	254	-	1	1	3	-	3	18	33	1	7	49	
Under 1	23	15	8	1	1	-	-	-	-	-	-	9	8	1	-	3	
1 - 4	8	3	5	2	2	-	-	-	-	-	-	1	2	-	2	2	
5 - 14	8	5	3	1	-	-	1	-	-	-	-	1	2	-	2	1	
15 - 24	10	7	3	3	-	-	-	1	-	-	1	1	2	-	-	3	
25 - 44	27	21	6	3	3	-	-	-	-	-	1	1	2	-	2	10	
45 - 64	62	40	22	9	26	-	-	-	2	-	1	4	8	-	12	12	
65 & Over	264	110	154	8	222	-	-	-	1	-	-	2	11	-	2	18	

TABLE 6E - ACCIDENTAL DEATHS BY CAUSE AND COUNTY OF RESIDENCE
MICHIGAN, 1967

(By place of residence. Cause of death classified according to Seventh Revision of International List, 1955, Intermediate List of 150 Causes.
Rates per 100,000 population.)

COUNTY	T O T A L		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	All other accidental causes AE147
	Number	Rate										
STATE	4,519	52.5	2,265	172	163	806	69	282	13	96	226	427
Alcona	6	111.1	2	-	-	-	-	-	-	-	4	-
Alger	5	60.2	1	-	-	1	1	-	-	-	1	1
Allegan	52	87.4	26	1	-	7	2	10	-	1	1	4
Alpena	15	50.0	6	-	1	4	-	2	-	-	-	2
Antrim	13	127.5	8	-	-	-	1	1	-	-	2	1
Arenac	11	111.1	7	-	-	-	-	1	-	-	2	1
Baraga	6	75.9	4	-	-	-	-	-	-	-	-	2
Barry	18	59.2	15	-	-	2	1	-	-	-	-	-
Bay	62	54.3	32	2	3	16	-	3	1	-	-	5
Benzie	8	98.8	2	-	-	1	-	1	-	-	3	1
Berrien	109	65.5	48	4	4	27	1	4	-	3	5	13
Branch	23	68.0	9	-	-	7	1	2	-	-	1	3
Calhoun	73	49.9	43	1	-	12	-	-	-	2	3	12
Cass	34	93.9	15	2	-	8	-	3	-	2	1	3
Charlevoix	15	90.4	8	-	1	2	-	2	-	-	1	1
Cheboygan	8	53.7	2	3	-	1	1	-	-	-	-	1
Chippewa	20	61.7	7	2	-	4	-	1	-	2	-	4
Clare	14	106.1	5	-	-	2	3	-	-	1	1	2
Clinton	24	55.7	13	-	-	2	-	4	-	1	3	1
Crawford	3	50.8	1	1	-	-	-	-	-	-	1	-
Delta	28	82.8	15	1	2	9	-	-	-	-	1	-
Dickinson	12	49.8	6	-	1	4	-	-	-	-	-	1
Eaton	37	62.6	17	3	-	9	1	5	-	1	-	1
Emmet	10	57.8	5	-	-	1	-	1	-	1	2	-
Genesee	226	52.1	127	7	11	25	1	12	2	6	9	26
Gladwin	9	84.9	2	-	-	3	2	-	-	-	1	1
Gogebic	23	110.6	10	1	4	3	2	-	-	1	1	1
Gd. Traverse	23	58.1	12	1	-	5	1	1	-	-	1	2
Gratiot	25	64.6	13	-	-	1	2	2	-	1	2	4
Hillsdale	30	84.7	20	-	-	3	-	1	1	-	-	5
Houghton	27	81.1	9	-	-	7	1	1	-	1	2	6
Huron	15	43.6	8	2	-	3	-	1	-	1	-	-
Ingham	100	40.1	44	3	-	18	-	13	-	4	6	12
Ionia	34	75.1	22	-	-	6	-	2	-	3	-	1
Iosco	25	126.3	15	3	-	2	-	1	-	-	1	3
Iron	12	83.9	4	-	1	3	-	1	-	-	-	3
Isabella	31	85.9	19	1	-	6	1	1	-	-	-	3
Jackson	79	55.9	47	1	4	16	1	2	-	2	1	5
Kalamazoo	74	39.5	43	3	1	13	1	3	-	-	5	5
Kalkaska	3	60.0	2	-	-	-	-	-	-	-	1	-
Kent	187	46.4	105	11	6	32	1	9	-	2	7	14
Keeweenaw	1	43.5	1	-	-	-	-	-	-	-	-	-
Lake	4	93.0	-	-	-	2	-	1	-	-	-	1
Lapeer	37	76.0	26	-	-	7	1	-	-	-	1	2
Leelanau	12	120.0	7	-	2	-	-	1	-	1	1	-
Lenawee	57	69.8	35	2	1	12	1	3	-	1	1	1
Livingston	31	66.1	22	-	-	3	3	2	-	-	1	-
Luce	8	111.1	2	-	-	2	-	-	-	-	1	3
Mackinac	10	104.2	7	-	-	2	-	-	-	-	-	1
Macomb	195	32.7	106	6	4	31	4	8	1	5	15	15
Manistee	17	87.2	8	-	1	2	-	1	-	1	1	3
Marquette	47	76.4	22	5	-	6	1	5	-	1	3	4
Mason	11	50.2	6	2	1	-	-	-	-	-	2	-
Mecosta	11	46.8	6	-	-	3	1	-	-	-	1	-
Menominee	10	42.7	6	1	-	1	-	1	-	1	-	-
Midland	23	38.8	16	-	1	4	1	-	-	-	-	1
Missaukee	10	161.3	6	-	-	1	-	-	-	1	-	2
Monroe	75	67.0	40	3	4	6	2	5	-	-	6	9
Montcalm	36	87.8	17	4	2	9	1	2	-	-	-	1
Montmorency	3	68.2	3	-	-	-	-	-	-	-	-	-
Muskegon	90	58.1	49	2	2	17	-	4	-	4	6	6
Newaygo	25	98.0	12	1	1	5	1	-	-	-	1	4
Oakland	386	46.0	194	27	22	49	1	16	1	9	23	44
Oceana	10	62.1	4	-	1	2	1	-	-	-	1	1
Ogemaw	11	114.6	8	1	-	2	-	-	-	-	-	-
Ontonagon	7	64.2	2	-	-	1	-	1	-	-	-	3
Osceola	16	106.7	6	-	1	3	-	2	-	1	2	1
Oscoda	11	289.5	8	-	-	-	-	3	-	-	-	-
Otsego	5	51.0	3	-	1	1	-	-	-	-	-	-
Ottawa	45	39.3	26	2	2	5	-	3	-	-	4	3
Presque Isle	15	121.0	11	1	-	2	-	-	-	-	1	-
Roscommon	13	160.5	3	2	1	3	-	4	-	-	-	-
Saginaw	104	48.3	52	4	5	8	2	9	-	2	10	12
St. Clair	74	64.9	37	4	3	12	2	1	1	1	8	5
St. Joseph	31	68.9	17	3	-	7	1	2	-	-	-	1
Sanilac	23	69.9	12	-	1	6	2	-	-	-	-	2
Schoolcraft	11	144.7	3	-	1	4	1	1	-	-	-	1
Shiawassee	35	57.6	15	4	-	7	-	3	-	1	-	5
Tuscola	50	106.8	27	-	1	2	1	7	-	1	5	6
Van Buren	45	83.0	21	1	4	13	-	2	-	-	1	3
Washtenaw	76	36.5	47	3	1	11	2	7	-	-	1	4
Wayne	1,295	47.3	562	40	61	288	15	98	6	31	61	133
Wexford	14	72.5	11	1	-	2	-	-	-	-	-	-

TABLE 7A - DEATHS BY INTERMEDIATE LIST OF CAUSES, SEX, COLOR, AND AGE
MICHIGAN, 1967

By place of residence. Exclusive of fetal deaths. Cause of death classified according to Seventh Revision of International List, 1955, Intermediate List of 150 Causes with additional subdivisions indicated by detailed list numbers. Rate per 100,000 population.)

CAUSE OF DEATH	INT. LIST NO.	TOTAL	SEX		NON-WHITE	A G E										A T										D E A T H										90 & OVER	NOT STA-TED
			NUMBER	RATE		MALE	FEMALE	I N F A N T					C H I L D					40	45	50	55	60	65	70	75	80	85										
								1	5	10	15	20	25	30	35	40	45											50	55	60	65	70	75	80	85		
ALL CAUSES		75-360	874.8	43,422	31,938	7,859	1,655	2,498	2,714	3,595	507	385	370	780	798	673	789	1,206	1,946	2,861	4,168	5,398	6,860	8,090	9,644	10,195	8,716	5,433	2,950	6							
TUBERCULOSIS, ALL FORMS--A 1-A 5 RESPIRATORY SYSTEM MENINGES & CENTRAL NERVOUS SYSTEM INTESTINES, PERITONEUM & MESENTERIC GLANDS BONES AND JOINTS ALL OTHER FORMS	WHITE MALE	67,501					1,261	1,924	2,090	2,768	416	323	322	661	641	515	578	917	1,520	2,331	3,544	4,653	6,091	7,202	8,962	9,636	8,337	5,240	2,820	4							
	FEMALE						737	1,159	1,636	236	183	206	479	476	341	373	575	956	1,435	2,297	3,094	4,095	4,558	5,352	5,243	4,062	2,803	1,044	3								
	NONWHITE MALE						524	765	831	1,132	180	140	116	182	165	174	205	342	564	896	1,247	1,559	1,996	2,644	3,610	4,295	3,403	1,776	1								
	FEMALE						394	574	624	827	91	62	48	119	157	158	211	289	426	530	624	745	769	888	682	549	193	130	2								
							224	323	350	446	44	32	26	86	126	132	132	180	262	322	383	422	415	502	308	192	98	50									
							170	249	274	371	42	27	24	33	51	46	79	109	164	228	241	323	308	386	267	241	167	95	80	2							
	SYPHILIS, ALL FORMS--A 6-A10 CONGENITAL SYPHILIS EARLY SYPHILIS TABS DORSALIS GENERAL PARALYSIS OF INSANE ALL OTHER SYPHILIS	WHITE MALE																																			
		FEMALE																																			
		NONWHITE MALE																																			
		FEMALE																																			
GONORRHOEA, INFECTION TYPHOID FEVER TYPHOUS FEVER PARATYPHOID FEVER AND OTHER SALMONELLA INFECTIONS		WHITE MALE																																			
		FEMALE																																			
		NONWHITE MALE																																			
		FEMALE																																			
	CHOLERA BRUCELLOSIS--UNDULANT FEVER DYSENTERY, ALL FORMS SCARLET FEVER ERYSIPELAS SEPTICEMIA AND PYEMIA DIPHTHERIA WHOPPING COUGH MENINGOCOCCAL INFECTIONS PLAGUE LEPROSY TYPHOUS FEVER TYPHOUS HEPATITIS TYP																																				

[illegible]

CAUSE OF DEATH	INT. LIST NO.	TOTAL	SEX		NON-WHITE	A G E										D E A T H							NOT STA-TED					
			MALE	FEMALE		1	4	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79		84	89	90 & OVER		
																											IN-FANT UNDER 1 YEAR	
																											DAY	WEEK
PSYCHOSES-CON																												
PSYCHOSIS OF OTHER DEMONSTRABLE ETIOLOGY-CEN	.1	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
RESULTING FROM EPILEPSY & OTHER CONVULSIVE DISORDERS	.2	46	0.5	24	22	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OTHER & UNSPECIFIED PSYCHOSES	309	2	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PSYCHONEUROTIC DISORDERS-310-318																												
ANXIETY REACTION WITHOUT MENTION OF SOMATIC SYMPTOMS	310	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PHOBIC REACTION	311	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OBSSESSIVE-COMPULSIVE REACTION	312	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
NEUROTIC-DEPRESSIVE REACTION	313	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PSYCHONEUROSIS WITH SOMATIC SPECIFICATION	314	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SPECIFIC CIRCULATORY SYSTEM	315	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
NEUROCIRCULATORY ASTHENIA	.0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OTHER HEART MANIFESTATIONS SPECIFIED AS OF PSYCHOGENIC ORIGIN	.1	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OTHER CIRCULATORY MANIFESTATIONS OF PSYCHOGENIC ORIGIN	.2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PSYCHONEUROSIS WITH SOMATIC SPECIFICATION-SOMATOTYPE REACTION	316	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PELVIC DIGESTIVE SYSTEM																												
MUCOUS COLITIS SPECIFIED AS OF PSYCHOGENIC ORIGIN	.0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IRRITABILITY OF COLON SPECIFIED AS OF PSYCHOGENIC ORIGIN	.1	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
GASTRIC NEUROSES	.2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OTHER DIGESTIVE MANIFESTATIONS SPECIFIED AS OF PSYCHOGENIC ORIGIN	.3	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PSYCHONEUROSIS WITH SOMATIC SPECIFICATION-OTHER TYPES AFFECTING OTHER SYSTEMS	317	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PSYCHOGENIC REACTIONS AFFECTING RESPIRATORY SYSTEM	.0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PSYCHOGENIC REACTIONS AFFECTING GENITO-URINARY SYSTEM	.1	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PRURITUS OF PSYCHOGENIC ORIGIN	.2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OTHER CUTANEOUS NEUROSES	.3	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PARALYTIC EFFECTS ON MUSCULO-SKELETAL SYSTEM	.4	-	0	-	-	-																						

CAUSE OF DEATH	INT. LIST NO.	TOTAL	SEX		NON-WHITE	A G E										D E A T H										90 STA-TE OVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			SEX			INFRANT UNDER 1 YEAR			1		5		10		15		20		25		30		35		40		45		50		55		60		65		70		75		80		85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			MALE	FEMALE		DAY	WEEK	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, COLOR, AND AGE (Continued)

[illegible]

[illegible]

[illegible]

[illegible]

TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, COLOR, AND AGE (Continued)

[illegible]

TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, COLOR, AND AGE (Continued)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	Total	MALIGNANT NEOPLASMS																							
		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 & unspecified parts of uterus	A54 Prostate	A55 Skin	A56 Bone & connective tissue	A57 All other & unspecified sites	A58 Leukemia & leukemia	A59 Lymphosarcoma & other neoplasms lymphatic & hemopoietic system	A60 Benign neoplasms & neoplasms unspecified nature	A61 Nontoxic goiter	A62 Thyrotoxicosis with or without goiter	A63 Diabetes mellitus	A64 Avitaminosis & other deficiency states	A65 Anemias	A66 Allergic disorders, all other endocrine, metabolic & blood diseases	A67 Psychoses
STATE	13,030	239	256	669	1,341	435	133	2,263	1,187	313	256	685	168	138	3,617	618	712	183	5	19	2,182	67	147	545	105
ALCONA	10	-	-	-	1	-	-	1	-	-	-	-	-	1	6	-	1	-	-	-	2	-	-	1	-
ALGER	18	-	1	4	-	-	1	2	4	-	-	1	-	-	4	-	1	-	-	-	10	-	-	1	-
MUNISING	16	-	-	2	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
BALANCE OF COUNTY	12	-	1	2	-	-	1	1	1	-	-	-	-	-	4	-	1	-	-	-	7	-	-	-	-
ALLEGAN	94	3	1	7	11	3	1	13	3	1	-	2	2	-	33	6	8	1	-	-	30	2	3	2	1
ALLEGAN	6	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HELLAND PT.	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTSEGO	6	-	-	1	1	2	-	1	-	-	-	-	1	-	1	-	-	-	-	-	4	-	1	-	-
PLAINWELL	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	74	3	1	5	10	1	1	11	2	1	-	2	1	-	25	6	5	1	-	-	19	2	2	1	1
ALPENA	49	1	-	2	5	3	-	7	5	1	-	5	2	1	12	4	1	-	-	-	5	-	-	4	-
ALPENA	23	1	-	1	1	2	-	2	3	1	-	2	2	1	7	3	1	-	-	-	4	-	-	3	-
BALANCE OF COUNTY	26	-	-	1	4	2	-	5	2	1	-	-	-	-	5	3	1	-	-	-	1	-	-	1	-
ANTRIM	20	-	-	2	1	-	-	5	2	1	2	1	-	-	4	1	1	-	-	2	2	-	1	-	-
ARENAC	16	-	-	2	4	-	-	1	-	-	2	2	-	-	3	1	1	1	-	-	4	-	2	2	-
BARAGA	19	-	-	-	3	-	-	-	5	-	-	4	-	-	7	-	-	2	-	-	9	-	-	1	-
BARRY	58	-	1	1	2	4	1	7	8	-	1	8	1	-	21	1	2	-	-	-	6	-	-	3	-
HASTINGS	14	-	1	-	2	-	-	3	3	-	-	1	-	-	4	1	-	-	-	-	-	-	-	1	-
BALANCE OF COUNTY	44	-	1	1	1	4	1	4	5	-	1	7	1	-	17	1	2	-	-	-	5	-	-	2	-
BAY	184	3	2	16	27	4	4	28	12	2	4	7	2	1	52	9	11	-	1	-	35	1	-	4	2
BAY CITY	108	1	-	8	18	1	3	16	8	1	3	5	1	1	30	5	7	-	1	-	22	-	-	2	1
ESSEXVILLE	5	1	-	2	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-
BALANCE OF COUNTY	71	1	2	9	8	3	1	12	4	1	1	1	1	-	22	4	4	-	-	-	11	-	-	2	1
BENZIE	16	-	1	-	1	-	-	3	-	-	-	2	-	-	7	1	1	-	-	-	1	-	-	1	-
BERRIEN	269	5	6	16	35	4	3	51	23	6	2	12	4	1	71	10	20	3	1	1	40	2	3	9	1
BENTON HARBOR	51	3	-	2	9	-	1	9	3	2	1	1	1	1	12	2	4	-	-	-	5	-	1	1	-
BUCHANAN	35	1	-	-	-	-	-	4	1	-	-	1	-	-	2	1	-	-	-	-	-	-	-	-	-
CHARLEVOIX	24	-	1	2	4	2	-	6	4	-	-	2	-	-	9	1	2	-	-	-	1	-	-	2	-
ST. JOSEPH	25	-	1	2	3	-	-	4	4	-	-	1	-	-	9	1	-	-	-	-	1	-	-	1	-
BALANCE OF COUNTY	164	1	5	12	19	2	2	32	15	4	1	8	3	-	42	6	12	3	1	1	29	2	2	6	-
BRANCH	54	-	-	1	6	2	1	6	4	7	3	4	-	-	12	6	2	1	-	-	13	2	-	4	1
COLDWATER	11	-	-	1	-	-	1	1	1	2	1	1	-	-	3	2	2	1	-	-	4	-	-	2	2
BALANCE OF COUNTY	43	-	-	1	6	2	1	5	3	5	3	3	-	-	9	4	2	1	-	-	9	2	-	2	1
CALHOUN	226	6	2	12	24	7	1	30	28	8	10	13	3	1	55	13	13	1	-	-	47	1	3	13	-
CLINTON	18	-	-	1	11	4	1	13	13	4	8	7	2	-	25	3	10	1	-	-	2	-	2	1	-
BATTLE CREEK	109	5	2	4	11	4	1	1	13	4	8	7	1	-	26	4	6	-	-	-	25	-	2	1	-
PARSHALL	10	-	-	1	2	-	-	1	1	1	-	-	-	-	3	-	-	-	-	-	3	-	-	1	-
SPRINGFIELD	4	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
BALANCE OF COUNTY	88	1	-	6	9	3	-	12	11	2	2	5	-	1	25	6	5	-	-	-	16	1	1	4	-
CASS	51	1	1	2	7	-	1	10	4	2	-	2	1	-	13	3	4	-	-	1	12	-	4	-	2
DOWAGIAC	8	-	-	-	1	-	-	3	-	1	-	2	1	-	12	3	4	-	-	1	1	-	-	-	-
BALANCE OF COUNTY	43	1	1	1	6	-	1	7	4	1	-	2	1	-	11	3	4	-	-	1	10	-	3	-	1
CHARLEVOIX	28	-	-	-	-	1	1	4	5	1	-	2	1	-	8	1	1	-	-	-	3	-	-	-	-
BOYNE CITY	6	-	-	-	-	-	-	2	1	-	-	-	-	-	4	1	-	-	-	-	1	-	-	-	-
CHARLEVOIX	8	-	-	-	-	-	-	1	1	-	-	1	-	-	4	1	-	-	-	-	1	-	-	-	-
BALANCE OF COUNTY	14	-	-	-	-	-	-	-	3	1	-	1	1	-	3	3	1	-	-	-	1	-	-	-	-
CHEBOYGAN	28	-	-	-	6	-	-	8	-	-	-	2	-	-	10	-	2	1	-	-	3	-	-	1	-
CHEBOYGAN	10	-	-	-	5	-	-	3	-	-	-	1	-	-	8	-	1	-	-	-	2	-	-	1	-
BALANCE OF COUNTY	18	-	-	-	5	-	-	3	-	-	-	1	-	-	8	-	1	-	-	-	2	-	-	1	-

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 & unspecified parts of uterus	A54 Prostate	A55 Skin	A56 Bone & connective tissue	A57 All other & unspecified sites	A58 Leukemia & aleukemia	A59 Lymphosarcoma & other neoplasms lymphatic & hematopoietic system	A60 Benign neoplasms & nature	A61 Nontoxic goiter	A62 Thyrotoxicosis with or without goiter	A63 Diabetes mellitus	A64 Avitaminosis & other deficiency states	A65 Anemias	A66 Allergic disorders; other endocrine, metabolic & blood diseases		A67 Psychoses
CHIPPEWA	2	-	2	4	2	1	12	5	1	2	3	-	2	12	2	2	-	-	-	1	13	-	-	-	1
SAULT STE. MARIE	1	-	2	3	1	1	7	4	1	2	5	-	2	4	-	2	-	-	-	1	9	-	-	-	1
BALANCE OF COUNTY	1	-	2	3	1	1	5	1	1	-	-	-	-	4	-	2	-	-	-	1	4	-	-	-	1
CLARE	1	-	2	2	1	1	5	1	-	-	-	1	-	9	-	1	-	-	-	5	5	-	1	2	
CLINTON	1	2	-	7	3	-	4	7	1	2	3	1	-	12	2	3	1	-	-	1	1	1	-	1	
ST. JOHNS	1	-	-	1	1	-	4	1	1	2	3	1	-	11	1	3	1	-	-	4	4	1	-	1	
BALANCE OF COUNTY	2	2	-	9	2	-	4	6	1	2	3	-	-	11	1	3	-	-	-	1	1	-	-	1	
CRAMFORD	-	-	1	2	1	1	4	3	-	1	1	-	-	4	1	1	-	-	-	1	1	-	-	-	
DELTA	2	3	6	4	2	1	12	2	-	2	-	-	-	15	4	6	4	-	-	15	-	-	-	-	
ESCANABA	1	2	2	2	1	1	2	1	-	1	-	-	-	8	1	3	3	-	-	1	1	-	-	-	
GLADSTONE	1	1	3	1	1	1	4	1	-	1	-	-	-	1	1	1	-	-	-	6	-	-	-	-	
BALANCE OF COUNTY	21	1	1	1	1	-	6	1	-	1	-	-	-	6	1	3	1	-	-	7	-	-	-	-	
DICKINSON	1	1	2	7	2	-	11	4	-	1	3	-	1	16	2	5	-	-	-	7	-	-	-	-	
IRON MOUNTAIN	-	-	1	3	1	-	3	2	-	1	-	-	-	10	2	2	-	-	-	1	1	-	-	-	
KINGSFORD	-	-	-	1	1	-	3	2	-	-	-	-	-	4	1	1	-	-	-	3	3	-	-	-	
NORMAN	-	-	1	1	1	-	4	-	-	-	3	-	-	1	-	-	-	-	-	2	2	-	-	-	
BALANCE OF COUNTY	10	-	1	1	-	-	4	-	-	-	3	-	-	1	-	-	-	-	-	11	1	-	-	-	
EATON	3	-	6	8	2	-	12	6	1	2	5	3	1	25	5	8	-	-	-	11	1	-	-	-	
CHARLOTTE	1	-	2	1	-	-	1	1	-	-	1	-	-	5	-	1	-	-	-	2	-	-	-	-	
EATON RAPIDS	1	-	2	1	-	-	1	1	-	-	-	-	-	1	-	1	-	-	-	2	-	-	-	-	
GRAND LEDGE	1	-	2	5	2	-	9	4	1	2	4	3	1	17	3	6	-	-	-	6	1	-	-	-	
BALANCE OF COUNTY	59	1	2	5	2	-	9	4	-	2	-	-	-	17	3	6	-	-	-	9	-	-	-	-	
EMMET	2	3	-	6	2	-	3	1	-	2	1	-	-	12	2	3	-	-	-	2	-	-	-	-	
PETOSKEY	2	2	-	4	-	-	2	-	-	1	1	-	-	5	2	2	-	-	-	7	-	-	-	-	
BALANCE OF COUNTY	20	2	-	4	-	-	2	-	-	1	-	-	-	5	2	2	-	-	-	7	-	-	-	-	
GENESEE	9	10	29	57	12	6	90	56	16	10	34	3	7	142	31	35	6	-	-	77	4	-	35	2	
DAVISON	3	-	-	5	-	-	1	-	-	-	-	-	-	4	-	-	-	-	-	1	-	-	1	-	
FENTON	1	-	-	3	-	-	1	-	-	-	-	-	-	4	-	-	-	-	-	7	-	-	2	-	
FLINT	4	5	16	33	8	4	55	31	7	6	21	2	4	79	14	21	5	-	-	90	4	-	12	-	
FLUSHING	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	2	-	
MOUNT MORRIS	6	-	1	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	1	-	
SHARITZ CREEK	3	-	1	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	16	-	-	1	-	
BALANCE OF COUNTY	206	5	9	19	4	2	92	23	8	4	11	1	3	54	15	12	1	-	-	16	-	-	11	1	
GLADWIN	-	-	-	4	1	-	11	2	-	1	3	-	2	8	-	-	-	-	-	4	-	-	1	-	
GOGEBIC	2	1	8	4	1	2	4	6	1	2	1	1	-	11	2	2	-	-	-	9	-	-	-	-	
BESSEMER	6	1	1	1	1	-	1	1	-	-	-	-	-	7	-	-	-	-	-	7	-	-	-	-	
IRONWOOD	25	2	3	2	-	-	2	4	1	1	1	-	-	7	-	-	-	-	-	7	-	-	-	-	
MAKESFIELD	3	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BALANCE OF COUNTY	14	-	2	2	-	2	1	1	-	-	-	-	-	3	-	1	1	-	-	1	-	-	-	-	
GRAND TRAVERSE	54	1	7	7	-	-	11	3	1	1	1	-	-	14	2	4	1	-	-	4	-	-	3	1	
TRAVERSE CITY	31	1	4	2	-	-	6	2	-	-	-	-	-	9	2	1	1	-	-	3	-	-	3	1	
BALANCE OF COUNTY	23	2	1	2	-	-	5	2	-	-	-	-	-	5	2	1	1	-	-	3	-	-	-	-	
GRATIOT	65	1	1	7	-	-	9	7	3	2	4	1	1	21	3	4	2	-	-	3	-	-	-	-	
ALMA	14	-	-	2	-	-	3	2	1	1	1	-	-	4	1	1	1	-	-	1	-	-	-	-	
ITHACA	6	-	-	1	-	-	1	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	
ST. LOUIS	5	-	1	1	4	-	5	5	2	1	3	1	1	11	2	3	1	-	-	2	-	-	-	-	
BALANCE OF COUNTY	40	-	-	5	-	-	7	3	1	-	3	-	-	15	2	4	-	-	-	5	-	-	-	-	
HILLSDALE	45	-	1	5	3	1	1	3	1	-	-	-	-	10	2	4	-	-	-	4	-	-	-	-	
HILLSDALE	38	-	1	5	3	1	6	3	-	-	3	-	-	28	4	4	-	-	-	6	-	-	-	-	
BALANCE OF COUNTY	38	-	1	5	3	1	6	3	-	-	3	-	-	28	4	4	-	-	-	6	-	-	-	-	
HOUGHTON	87	-	6	7	6	1	10	10	2	3	9	-	1	2	1	1	3	-	-	20	1	-	1	-	
HANCOCK	15	-	1	2	-	-	2	2	-	-	1	-	-	2	-	-	-	-	-	1	-	-	-	-	
HOUGHTON	9	-	1	1	1	-	1	4	-	-	1	-	-	1	-	-	-	-	-	6	-	-	-	-	
LAURITUM	9	-	1	1	-	-	1	4	-	-	1	-	-	1	-	-	-	-	-	1	-	-	-	-	
BALANCE OF COUNTY	54	-	2	4	5	-	6	4	2	3	5	-	-	19	4	-	-	-	-	13	-	-	-	-	

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

[illegible]

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A66 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Meningoencephalitis	A72 Multiple sclerosis	A73 Epilepsy	A74 Inflammatory diseases of eye	A75 Cataract	A76 Glaucoma	A77 Otitis media & mastoiditis	A78 All other diseases of nervous system & sense organs	HEART DISEASE										A87 Acute upper respiratory infections	A88 Influenza			
												A79 Rheumatic fever	A80 Chronic rheumatic heart disease	A81 Arteriosclerotic & degenerative heart disease	A82 Other diseases of heart	A83 Hypertension with heart disease	A84 Hypertension without mention of heart	A85 Diseases of arteries	A86 Other diseases of circulatory system	A87 Acute upper respiratory infections	A88 Influenza					
STATE	123	23	7,846	69	84	93	1	1	-	7	389	28,757	9	653	25,296	23,763	1,533	1,137	1,662	468	2,497	1,730	767	454	18	78
ALCONA	-	-	8	-	-	-	-	-	-	-	-	35	-	-	-	32	31	1	1	2	1	7	4	3	-	1
ALGER	-	-	13	-	-	-	-	-	-	-	-	34	-	-	29	29	-	4	1	-	-	4	2	2	1	-
BALANCE OF COUNTY	-	-	6	-	-	-	-	-	-	-	-	15	-	-	13	13	-	2	-	-	-	3	1	2	1	-
ALLEGAN	1	-	70	-	1	1	-	-	-	-	4	189	-	1	170	166	4	6	12	5	23	17	6	4	1	-
ALLEGAN HOLLAND PT.	-	-	7	-	-	-	-	-	-	-	-	22	-	-	20	20	-	1	1	-	2	1	1	1	-	-
OTSEGO	-	-	2	-	-	-	-	-	-	-	-	9	-	-	4	4	-	1	1	2	-	1	1	1	1	-
PLAINWELL	-	-	3	-	-	-	-	-	-	-	-	12	-	-	9	9	-	1	1	-	-	1	1	1	1	-
BALANCE OF COUNTY	1	-	58	-	1	1	-	-	-	-	4	142	-	-	128	124	4	4	10	2	19	15	1	2	1	-
ALPENA	-	-	36	-	-	-	-	-	-	-	-	109	-	2	106	104	2	1	-	2	14	11	3	3	-	-
ALPENA BALANCE OF COUNTY	-	-	17	-	-	1	-	-	-	-	1	60	-	1	59	57	-	1	-	1	9	6	3	-	-	-
ANTRIM	1	-	15	-	-	-	-	-	-	-	-	68	-	-	47	47	-	1	-	1	5	5	-	-	-	-
AREMAC	-	-	16	-	-	-	-	-	-	-	2	40	-	-	36	34	2	2	2	2	4	2	2	1	-	-
BARAGA	-	-	12	-	-	-	-	-	-	-	-	37	-	1	35	34	1	-	1	4	1	1	-	-	-	-
BARRY	-	-	33	-	-	-	-	-	-	-	4	132	-	-	115	112	3	12	4	4	18	14	4	3	-	-
HASTINGS	-	-	25	-	1	-	-	-	-	-	1	29	-	1	24	24	-	3	2	2	2	2	2	2	-	-
BALANCE OF COUNTY	-	-	8	-	-	-	-	-	-	-	3	103	-	1	91	88	3	9	2	2	14	12	2	3	-	-
BAY	2	-	106	-	3	3	-	-	-	-	3	339	-	-	7	302	273	25	13	17	4	54	38	16	11	-
BAY CITY	1	-	59	-	3	1	-	-	-	-	1	201	-	-	5	177	163	14	10	1	2	38	28	10	5	-
ESSEXVILLE	1	-	4	-	-	-	-	-	-	-	1	9	-	-	7	7	-	2	7	2	12	10	4	6	-	-
BALANCE OF COUNTY	1	-	43	-	2	-	-	-	-	-	1	129	-	2	118	103	15	2	7	2	12	10	4	9	-	-
BENZIE	-	-	10	-	-	-	-	-	-	-	-	47	-	-	46	40	6	-	1	-	7	5	2	1	-	-
BERRIEN	3	-	205	-	2	3	-	-	-	-	3	608	-	1	19	518	498	20	33	37	14	71	53	18	6	-
BENTON HARBOR	1	-	35	-	-	-	-	-	-	-	1	79	-	-	170	69	1	3	6	1	1	16	13	3	3	-
BUCHANAN	-	-	8	-	-	-	-	-	-	-	1	20	-	-	1	70	65	5	5	-	1	3	2	1	-	-
NILES	1	-	22	-	-	-	-	-	-	-	-	80	-	-	1	70	65	5	5	-	1	3	2	1	-	-
ST. JOSEPH	-	-	19	-	-	-	-	-	-	-	-	55	-	-	2	47	45	2	3	4	1	13	9	4	1	-
BALANCE OF COUNTY	1	-	121	-	2	1	-	-	-	-	2	374	-	1	15	314	303	11	20	24	11	33	25	8	2	-
BRANCH	-	-	45	-	-	-	-	-	-	-	1	129	-	-	1	112	104	8	14	2	2	21	21	-	-	-
COLDWATER	-	-	12	-	-	-	-	-	-	-	1	32	-	-	-	27	27	-	4	1	2	14	14	-	-	-
BALANCE OF COUNTY	-	-	33	-	1	-	-	-	-	-	1	97	-	-	1	85	77	8	10	1	2	14	14	-	-	-
CALHOUN	2	-	144	-	2	1	-	-	-	-	9	493	-	9	435	377	48	26	33	12	56	42	14	12	-	-
ALBION	-	-	14	-	-	-	-	-	-	-	9	40	-	-	1	33	28	4	3	6	5	5	4	1	2	-
BATTLE CREEK	2	-	66	-	2	-	-	-	-	-	7	225	-	6	189	167	22	12	12	8	27	17	6	3	-	-
BRIDGEVIEW	-	-	5	-	-	-	-	-	-	-	-	24	-	-	21	16	5	1	2	-	5	4	1	2	-	-
BALANCE OF COUNTY	-	-	44	-	-	-	-	-	-	-	2	193	-	2	171	157	14	10	10	4	20	14	6	5	-	-
CASS	-	-	41	-	-	-	-	-	-	-	1	160	-	3	142	137	5	9	6	1	24	18	6	7	-	-
DONAGIAC	-	-	15	-	-	-	-	-	-	-	1	127	-	2	111	106	5	9	5	1	18	14	4	6	-	-
BALANCE OF COUNTY	-	-	26	-	-	-	-	-	-	-	1	127	-	2	111	106	5	9	5	1	18	14	4	6	-	-
CHARLEVOIX	1	-	22	-	-	-	-	-	-	-	3	61	-	4	49	44	5	-	8	3	8	5	3	-	-	-
CORRE CITY	-	-	3	-	-	-	-	-	-	-	2	18	-	-	16	14	2	-	1	2	2	2	1	-	-	-
BALANCE OF COUNTY	1	-	14	-	-	-	-	-	-	-	1	31	-	3	25	24	1	-	3	2	5	3	2	-	-	-
CHEBOYGAN	-	-	21	-	-	-	-	-	-	-	1	73	-	-	68	62	6	-	5	2	10	6	4	2	-	-
CHEBOYGAN BALANCE OF COUNTY	-	-	11	-	-	-	-	-	-	-	1	49	-	-	47	44	3	-	2	-	7	4	1	2	-	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A68 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Meningoencephalitis	A72 Multiple sclerosis	A73 Epilepsy	A74 Inflammatory diseases of eye	A75 Cataract	A76 Glaucoma	A77 Optic media & mesothelitis	A78 All other diseases of nervous system & sense organs	HEART DISEASE								A84 Hypertension without mention of heart	A85 Diseases of arteries	A86 Other diseases of circulatory system	A87 Acute upper respiratory infections	A88 Influenza	
												A79 Rheumatic fever	A80 Chronic rheumatic heart disease	A81 Atherosclerotic & degenerative heart disease including coronary disease	A82 Other diseases of heart	A83 Hypertension with heart disease									
CHIPPEWA BALANCE OF COUNTY			38								2	125	96	90	6	8	17	3	6	11	11	4	4	2	
CLARE		1	21								1	87	81	80	1	3	2	5	8	6	2	2	3	1	
CLINTON BALANCE OF COUNTY			48			1	1				1	138	115	110	5	3	12	4	12	14	1	1	1	1	2
CRAWFORD			41			1	1				1	113	96	92	4	3	8		6	13	1	1	1	1	2
DELTA			4									25	23	23		1	1	1	1	2	2			1	1
ESCAMABA BALANCE OF COUNTY		1	48				2					144	122	111	11	11	8	6	6	14	5	3	3		
GLADSTONE		1	22									40	47	45	2	6	2	4	2	2	2	4	1	1	
GRAND LEDGE BALANCE OF COUNTY			17				1					57	51	44	7	4		1	1	9	2	2	2	2	
DICKINSON		1	27								2	119	102	95	7	11	1	2	11	11	9	2	3	3	
IRON MOUNTAIN			11								1	45	43	39	4			1	1	7	5	2	2	1	
KINGSFORD			4								1	25	23	21	1	2		1	1	2	2	1	1	1	
MURRAY		1	6								1	18	12	11	1	4		1	1	2	2	2	2	2	
BALANCE OF COUNTY			6									31	24	22	2	4		1	1	2	1	1	1	1	5
EATON			61				1				1	193	169	164	5	6	15	2	15	13	9	4	5		
CHARLOTTE			20								1	36	27	27	2			7	7	3	4	1	1	1	
EATON RAPIDS			9									28	24	21	3			3	1	3	2	1	1	1	
GRAND LEDGE BALANCE OF COUNTY			28				1					109	98	98		5		5	1	1	3	2	3	3	
EMMET			19								1	92	79	74	5	1	10	2	4	13	12	1	1	1	
PETOSKEY			5								1	31	26	25	4	1	6	1	6	7	6	6	1	1	
BALANCE OF COUNTY			14									61	53	49	4	1	23	23	134	103	31	23	3	2	
GENESSEE		1	318				5				13	1,131	996	28	28	47									
DAVISON			3									3	3	3		2			2	1	1	1	1	1	
FENTON			4									28	24	20	1	2			2	2	2	2	2	2	
FLINT		1	207				3				9	659	599	579	20	17	31	16	83	63	20	12	12	1	
FLOTHING			5									18	16	15	1				4	4	4	4	4	4	
MOUNT MORRIS			3									17	14	13	1				1	1	1	1	1	1	
SWARTZ CREEK BALANCE OF COUNTY		1	89				2				3	357	360	355	5	9	13	7	7	31	10	10	1	2	
GLADWIN			21								1	42	38	34	4	3	1		2	2	1	1	1	1	
GOGERIC			28									140	131	125	2	5	2	1	6	5	5	1	1	1	
BESSEMER			6									23	23	23				1	2	2	1	1	1	1	
IRONWOOD			13									67	60	60					1	1	1	1	1	1	
MAKETO BALANCE OF COUNTY			6									34	32	30	2				1	2	2	2	2	2	
GRAND TRAVERSE			48								5	141	130	125	5	4	2	2	13	8	5	3	3	3	
TRAVERSE CITY BALANCE OF COUNTY			26								3	61	75	72	3	2	1	2	9	6	2	2	2	2	
GRATIOT			63								4	146	117	109	8	10	18	1	15	10	5	1	1	1	
ALMA			14									37	31	30	1	2	3		4	4	3	1	1	1	
ITHACA			18								1	21	14	13	1	1	1		1	2	2	2	2	2	
ST. LOUIS BALANCE OF COUNTY			33									72	57	54	3	5	10		9	5	4	4	4	4	
HILLSDALE			39								3	122	106	106	2	8	3	1	23	21	2	1	1	1	
HILLSDALE BALANCE OF COUNTY			32									96	85	83	2	7	2	1	15	13	2	2	2	2	
HOUGHTON			59								4	216	184	179	15	11	7	3	21	15	6	4	4	4	
HANCOCK			10								1	23	22	20	1	2	1		3	3	3	3	3	3	
LAUREL			2									23	21	20	1	1			2	2	2	2	2	2	
BALANCE OF COUNTY		1	43								1	146	130	121	5	6	2		14	9	5	5	5	5	

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1 = 2

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13 = 13

2 = 2

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TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A68 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Nonmeningococcal meningitis	A72 Multiple sclerosis	A73 Epilepsy	A74 Inflammatory diseases of eye	A75 Cataract	A76 Glaucoma	A77 Otitis media & myositis	A78 All other diseases of nervous system & sense organs	HEART DISEASE							A84 Hypertension without mention of heart	A85 Diseases of arteries	A86 Other diseases of circulatory system	A87 Acute upper respiratory infections	A88 Influenza	
												A79 Rheumatic fever	A80 Chronic rheumatic heart disease	A81 Arteriosclerotic & degenerative heart disease	A82 Other diseases of heart	A83 heart disease with hypertension								
MURON			19								2	146	3	124	118	6	14	5	1	12	12			
BAD AXE			57								2	130	3	113	106	5	11	5		10	10			
BALANCE OF COUNTY			174								9	609	21	490	472	18	42	56	11	87	62	25	6	
INGHAM			117								8	386	13	307	294	13	23	43	10	51	35	16	3	
EAST LANSING			36									167	9	143	140	3	8	10	2	3	2	1	2	
MASON			62									167	3	143	134	9	15	6	3	26	18	8	1	
BALANCE OF CCOUNTY			7									24		21	20	1	6	2	1	5	3	2		
IONIA			13									9		5	22	3	6		1	4	3	1		
BELOING			38									103	3	88	83	5	8	4	2	15	11	4	1	
PORTLAND			4									73	1	61	59	2	9	2		11	7	4	2	
BALANCE OF COUNTY			13									96	1	81	75	6	6	8		20	18	2		
IRON			27								1	64	1	28	27	1	5	5		4	3	1		
BALANCE CF COUNTY			31								2	100	2	95	92	3	2	1		16	15	1		
ISABELLA			23								1	62	1	36	35	1	2	1		9	5	4	1	
MOUNT PLEASANT			141								4	537	18	462	427	35	15	42	6	55	42	13	10	
BALANCE CF CCOUNTY			71								1	266	6	230	214	16	3	27	3	34	26	8	4	
JACKSON			70								3	271	12	232	213	19	12	15	3	21	16	5	6	
BALANCE CF CCOUNTY			139								11	589	18	501	473	28	30	39	8	73	51	22	11	
KALAMAZOO			79								7	333	14	276	259	17	14	29	5	43	33	10	6	
BALANCE CF COUNTY			60								4	256	1	4	225	214	11	10	5	30	18	12	5	
KALKASKA			9									28	1	25	24	1		2	1	3	3			
KENT			408								26	1,232	22	1,089	1,035	54	59	62	25	161	119	42	26	
EAST GRAND RAPIDS			7								18	837	15	744	714	30	35	43	23	114	87	27	19	
GRAND RAPIDS			275									24	1	21	19	2	1	1	1	9	7	2		
GRANDVILLE			6									937		18	18		1	2		2	2	1		
LOWELL			5									21		11	10	1	1	1		3	2	1		
SPARTA			9									16	1	11	10	3	1	1		2	2	1		
HYDING			27								4	95	1	82	78	4	5	7		13	9	4		
BALANCE OF COUNTY			19								4	227	4	200	186	14	15	8	1	25	18	7	4	
KENEENAW			8								1	24	1	23	22	1			1					
LAKE			10									48		42	39	3	4	2		5	3	2		
LAPEER			51									148	3	135	126	9	7	3	2	9	7	2		
BALANCE OF COUNTY			43									115	2	105	96	9	9	2	1	8	6	2		
LEELANAU			18								1	56		51	43	8	1	4	2	3	2	1		
LENAUE			85								7	275	4	237	219	18	19	15	3	32	27	5	6	
ADRIAN			22								3	85	2	70	64	6	5	8	1	12	9	3		
BLISSFIELD			5									16		14	14		1	1		3	3			
HUDSON			2								1	13		13	10	3	1	1		3	3			
TECUMSEH			51								3	150	2	132	124	8	11	5	2	14	12	2	4	
BALANCE OF CCOUNTY			51								1	167	8	147	142	5	9	3	2	13	7	6	1	
LIVINGSTON			30								1	25	2	22	21	1	1	1		2	2	2		
HOWELL			25								1	142	6	125	121	4	8	3	2	11	5	6	1	
BALANCE CF COUNTY			25																					
LUCE			6									22		16	11	5	6			1				
NEWBERRY			5									12		10	7	3	2							
BALANCE OF CCOUNTY			1									10		6	4	2	4							

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52 = 53
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9 = 10
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1 = 1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A68 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Meningitis	A72 Multiple sclerosis	A73 Epilepsy	A74 Inflammatory diseases of eye	A75 Cataract	A76 Glaucoma	A77 Otitis media & mastoiditis	A78 All other diseases of nervous system & sense organs	HEART DISEASE										A84 Hypertension without mention of heart	A85 Diseases of arteries	A86 Other diseases of circulatory system	A87 Acute upper respiratory infections	A88 Influenza
												A79 Rheumatic fever	A80 Chronic rheumatic heart disease	A81 Arteriosclerotic & degenerative heart disease	A82 Other diseases of heart	A83 Hypertension with heart disease										
MACKINAC ST. IGNACE BALANCE OF COUNTY	-	-	15	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	
MACOMB	-	-	10	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	
CENTER LINE	1	-	274	2	6	1	-	-	-	-	-	-	1,110	19	16	74	40	45	11	135	90	35	14	1	1	
EAST DETROIT	-	-	25	-	-	-	-	-	-	-	-	-	32	5	4	1	2	6	1	11	6	2	5	-	-	
FRASER CLEMENS	-	-	34	-	-	-	-	-	-	-	-	-	106	99	87	12	1	2	1	11	3	2	1	-	-	
NEW BALTIMORE PT.	-	-	16	-	-	-	-	-	-	-	-	-	17	91	91	4	6	1	1	15	2	1	1	-	-	
RICHMOND	-	-	3	-	-	-	-	-	-	-	-	-	105	12	14	1	-	1	2	16	3	1	1	-	-	
ROSELAND	-	-	4	-	-	-	-	-	-	-	-	-	16	8	1	1	-	1	1	4	3	1	1	-	-	
ROSEVILLE	-	-	23	-	-	-	-	-	-	-	-	-	21	20	16	4	1	1	1	9	8	1	1	-	-	
ST. CLAIR SHORES	-	-	45	-	2	-	-	-	-	-	-	-	91	83	8	1	5	1	1	12	17	5	5	-	-	
WARREN	-	-	289	1	2	-	-	-	-	-	-	-	173	150	139	11	7	6	4	24	17	7	1	-	-	
BALANCE OF COUNTY	1	-	70	1	1	-	-	-	-	-	-	-	236	210	190	20	12	11	4	24	19	5	1	-	-	
MANISTEE	-	-	27	-	-	-	-	-	-	-	-	-	120	113	109	4	2	3	1	6	5	1	2	-	-	
MANISTEE	-	-	9	-	-	-	-	-	-	-	-	-	42	44	42	2	2	1	1	2	4	1	1	-	-	
BALANCE OF COUNTY	-	-	18	-	-	-	-	-	-	-	-	-	74	69	67	2	2	2	-	4	4	1	1	-	-	
MARQUETTE	-	-	68	-	-	-	-	-	-	-	-	-	236	200	178	22	10	24	2	15	10	5	1	-	-	
ISHPEMING	-	-	13	-	-	-	-	-	-	-	-	-	48	36	30	6	4	7	-	4	4	1	3	-	-	
MARQUETTE	-	-	25	-	-	-	-	-	-	-	-	-	85	76	67	5	4	7	2	2	2	1	1	-	-	
MEGAUNEE	-	-	15	-	-	-	-	-	-	-	-	-	33	24	22	2	2	6	-	4	4	1	1	-	-	
BALANCE OF COUNTY	-	-	15	-	-	-	-	-	-	-	-	-	70	64	59	5	-	9	-	5	4	1	1	-	-	
MASON	-	-	23	-	-	-	-	-	-	-	-	-	123	113	99	14	2	4	2	12	6	6	2	-	-	
LUDINGTON	-	-	10	-	-	-	-	-	-	-	-	-	68	48	40	8	2	2	2	5	2	3	3	-	-	
BALANCE OF COUNTY	-	-	16	-	-	-	-	-	-	-	-	-	97	87	77	10	5	3	1	12	11	4	1	-	-	
MECOSTA	-	-	12	-	-	-	-	-	-	-	-	-	30	26	22	4	3	2	-	8	7	1	1	-	-	
BIG RAPIDS	-	-	4	-	-	-	-	-	-	-	-	-	67	61	55	6	3	2	-	4	4	1	1	-	-	
BALANCE OF COUNTY	-	-	12	-	-	-	-	-	-	-	-	-	132	125	88	41	1	2	2	3	3	1	1	-	-	
MENOMINEE	-	-	32	-	-	-	-	-	-	-	-	-	61	68	56	12	1	2	2	15	10	5	1	-	-	
MENOMINEE	-	-	20	-	-	-	-	-	-	-	-	-	61	61	32	29	-	1	1	9	5	4	1	-	-	
BALANCE OF COUNTY	-	-	12	-	-	-	-	-	-	-	-	-	3	56	93	3	6	2	2	15	10	5	1	-	-	
MIDLAND	-	-	45	-	-	-	-	-	-	-	-	-	107	107	93	3	3	1	1	19	15	4	2	-	-	
BALANCE OF COUNTY	-	-	21	-	-	-	-	-	-	-	-	-	50	45	43	2	3	1	1	16	13	3	2	-	-	
MISSAUKIE	-	-	24	-	-	-	-	-	-	-	-	-	57	51	50	1	3	1	1	3	3	1	1	-	-	
MCNABE	-	-	4	-	-	-	-	-	-	-	-	-	24	22	17	5	1	1	-	3	1	2	1	-	-	
MILAN PT.	3	-	88	1	1	2	-	-	-	-	-	-	317	290	273	17	14	11	4	19	13	6	5	-	-	
MONROE	-	-	30	-	-	-	-	-	-	-	-	-	87	80	73	7	3	4	2	14	9	4	1	-	-	
BALANCE OF COUNTY	3	-	57	-	-	-	-	-	-	-	-	-	227	207	197	10	11	7	2	15	4	5	3	-	-	
MONTICALLY	-	-	48	-	-	-	-	-	-	-	-	-	179	146	132	14	25	5	2	19	15	4	2	-	-	
GREENVILLE	-	-	39	-	-	-	-	-	-	-	-	-	31	24	21	3	1	2	2	16	13	3	2	-	-	
BALANCE OF COUNTY	-	-	11	-	-	-	-	-	-	-	-	-	31	29	28	1	2	-	-	4	4	1	1	-	-	
MONTMORENCY	-	-	165	-	-	-	-	-	-	-	-	-	496	463	450	13	16	10	9	41	30	11	12	-	-	
MUSKOGON	-	-	70	-	-	2	-	-	-	-	-	-	216	201	195	6	4	7	4	16	13	3	3	-	-	
MUSKOGON HEIGHTS	-	-	18	-	-	-	-	-	-	-	-	-	55	51	50	1	4	3	3	6	3	2	2	-	-	
NORTH MUSKOGON	-	-	3	-	-	-	-	-	-	-	-	-	20	15	17	2	1	-	-	-	-	1	1	-	-	
ROOSEVELT PARK	-	-	10	-	-	-	-	-	-	-	-	-	8	6	6	6	-	-	-	-	-	1	1	-	-	
WHITEHALL	-	-	58	-	-	-	-	-	-	-	-	-	191	178	174	4	7	3	1	16	10	6	6	-	-	
BALANCE OF COUNTY	-	-	27	-	-	-	-	-	-	-	-	-	101	81	76	5	12	4	3	14	6	8	1	-	-	
NEWAYGO	-	-	2	-	-	-	-	-	-	-	-	-	16	10	8	2	3	1	3	2	2	4	1	-	-	
BALANCE OF COUNTY	-	-	25	-	-	-	-	-	-	-	-	-	85	71	68	3	9	3	-	12	4	8	1	-	-	

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TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A66 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Meningitis	A72 Multiple sclerosis	A73 Epilepsy	A74 Inflammatory diseases of eye	A75 Cataract	A76 Glaucoma	A77 Otitis media & mastoiditis	A78 All other diseases of nervous system & sense organs	HEART DISEASE							A84 Hypertension without mention of heart	A85 Diseases of arteries	A90 General arteriosclerosis	A91-456 Other diseases of arteries	A86 Other diseases of circulatory system	A87 Acute upper respiratory infections	A88 Influenza	
												A79 Rheumatic fever	A80 Chronic rheumatic heart disease	A81 Arteriosclerotic & degenerative heart disease	A82 Arteriosclerotic & degenerative heart disease including coronary disease	A83 Other diseases of heart	A83 Hypertension with heart disease									
OAKLAND	10	2	524	3	6	5					40	2,066	2	68	1,813	1,687	126	78	105	30	155	86	69	25		4
BERKELEY		1	15								3	55	7	7	46	12	4	4	2			1	2			
BEVERLY HILLS		1	3									19	9	15	15	6	2	2	8	2		1	3	1		
BIRMINGHAM		1	24								1	124	9	103	97	6	2	4	2	1	11	2	1	1		
CLAMSON			17									35	3	28	26	2	2	2	2	1	3	5	1	1		
CLAYTON			11									44	3	36	36	2	2	2	2	2	2	2	3	1		
FERNDLE	2		31									109	6	91	88	3	3	5	7	2	3	3	3	1		
HAZEL PARK			15								2	17	1	66	62	4	4	5	5	2	6	3	3	1		
HOLLY			10									17	1	13	13	2	1	2	2	2	1	1	1	1		
HUNTINGTON WOODS			9									11	1	13	13	1	1	1	2	2	1	1	1	2		
KEEOG HARBOR			1									16	1	15	14	1	1	1	1	1	1	1	1	1		
LAKE ORION			12									19	1	18	17	1	1	1	1	1	1	1	1	1		
LATHRUP VILLAGE			16									58	5	48	44	4	3	2	1	1	1	1	1	1		
MADISON HEIGHTS			15								1	18	5	16	16	4	3	1	1	1	1	1	1	1		
MILFORD	1		5									5	1	16	16	4	3	1	1	1	1	1	1	1		
MONTICELLO PT.			2									13	4	5	4	1	1	1	1	1	1	1	1	1		
MONTICELLO			19									10	4	13	12	1	1	1	1	1	1	1	1	1		
OAK PARK			4									261	2	231	202	2	11	17	10	1	7	2	2	6		
PLEASANT RIDGE			90	1	1	1					9	32	1	19	25	4	4	2	2	2	2	10	10	6		
PONTIAC	3		5									228	1	194	183	11	14	13	3	3	18	10	8	1		
ROCHESTER			55								6	123	6	123	118	5	7	3	2	1	7	3	4	1		
ROYAL OAK	1		33	1								58	1	50	43	7	3	2	1	1	7	3	4	1		
SCOTSFIELD	1		9									2	2	9	8	1	1	1	1	4	4	1	1	1		
THOYD LAKE	3		141	1	2	1					12	595	9	598	504	34	26	22	4	4	46	19	27	11		
WALLED LAKE												68	1	58	55	3	6	3	3	3	16	14	2	1		
BALANCE OF COUNTY			30			1					1	39		37	37		2				8	6	2			
OCEANA			30								1	55		53	50	3	1				7	7				
OCEANAM			15								1	58		51	46	5	4	3	2	2	6	5	1			
ONTONAGON			15									22		22	22						2	2				
OSCEOLA			13		2							31		28	26	2	2				4	2	2			
OSCODA			4									13		12	11	1	1				2	1	1			
OTSEGO			4									18		16	15	1	1				2	1	1			
GAYLORD																										
BALANCE OF COUNTY																										
OTTAWA		1	104			1					4	328	10	296	280	16	11	11	11	4	33	26	7	3		
GRAND HAVEN	1	1	25								1	43	1	40	39	1	1	2	1	1	6	6	2			
CLARK			21			1					1	95	1	91	82	9	1	4	4	1	5	3	2			
HUSCONVILLE			8									6		5	4	1	1	1	1	2	2	2				
HUSCONVILLE			8								2	26	4	21	20	4	1	1	1	1	4	4				
ZELEND			48		2							158	5	139	135	4	9	5	5	2	16	11	5	3		
BALANCE OF COUNTY																										
PRESQUE ISLE			11								1	62		55	54	1	1	5	1	8	6	2				
ROGERS CITY			5								1	18		16	16	1	1	1	1	7	5	2				
BALANCE OF COUNTY			6								1	44	1	39	38	1	1	4	3	1	1	1				
ROSCOMMON			16									51		44	42	2	5	2	3	1	1					
SAGINAW	1	1	161	1	3						11	665	1	604	543	61	32	19	15	70	56	14				
CHESAMING			96		2						7	381	1	36	31	6	21	9	8	1	39	31	8			
SAGINAW	1	1	64	1	1						4	267	1	253	220	23	10	10	7	30	25	5				
BALANCE OF COUNTY																										
ST. CLAIR			127	1	2						5	479	10	416	396	20	18	35	9	45	29	16				
ALGONAC			4									26	2	19	17	2	3	2	1	1	1					
MARINE CITY			1									27		24	24	1	1	2	1	1						
MARYSVILLE			3									6		6	6											
NEWBERRY PT.			61									154	4	154	149	3	6	1			14	6	8			
PORT HURON			61									144	4	144	144	2	6	16	4	4	26	20				
ST. CLAIR			54		2						2	219	4	196	185	11	7	12	4	4	2	2				
BALANCE OF COUNTY																										

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A68 Psychoneuroses & disorders of personality	A69 Mental deficiency	A70 Vascular lesions affecting central nervous system	A71 Meningoencephalitis	A72 Multiple sclerosis	A73 Epilepsy	A74 Inflammatory diseases of eye	A75 Cataract	A76 Glaucoma	A77 Otitis media & mastoiditis	A78 All other diseases of nervous system & sense organs	HEART DISEASE						A84 Hypertension without mention of heart	A85 Diseases of arteries	A90 General arteriosclerosis	A91-956 Other diseases of arteries	A86 Other diseases of circulatory system	A87 Acute upper respiratory infections	A88 Influenza
												A79 Rheumatic fever	A80 Chronic rheumatic heart disease	A81 Arteriosclerotic & degenerative heart disease	A82 Arteriosclerotic heart disease including coronary disease	A83 Other diseases of heart	A83 Hypertension with heart disease							
ST. JOSEPH			69								4	183	2	162	150	12	9	3	14	7	7	8		1
STURGIS			24								4	37	1	34	33	1	1	6		1	1	2		1
THREE RIVERS			35								3	105	1	37	36	1	1	3	2	12	5	5		1
BALANCE OF COUNTY											1	153	2	139	127	12	7	5	4	10	2	1		2
SANILAC			80								1													
SCHOOLCRAFT			11								1	49		43	29	14	2	4		3	2	1		
MANISTIQUE			7								1	35		32	21	11	12	2		1	1	1		
BALANCE OF COUNTY											1	14		11	8	3	1	2		1	1			
SHIANTASSEE			72								1	195	10	168	160	8	7	10	5	14	9	5		
CORUNNA			6								1	15	1	11	10	1	1	1	1	1	1	1		
DURAND			32								1	69	1	62	58	3	2	1	2	7	2	2		
CHASSO			31								1	98	1	83	88	3	4	4	5	1	1	1		
BALANCE OF COUNTY											1													
TUSCOLA			69								2	200	2	187	146	41	4	7	1	22	14	8		
VASSAR			7								1	15		24	18	6	1	1	1	1	1	1		
CARE			4								1	194	2	149	117	32	4	5	1	20	13	7		
BALANCE OF COUNTY											1	160	4	204	195	9	10	15	8	26	21	5		
VAN BUREN			74									233		11	10	1	3	2	1	3	3	1		
PAN PAM			20									27	2	120	19	7	6	13	7	22	17	5		
SOUTH BEND			50									194	4	173	168	7	9	10	5	39	27	12		
BALANCE OF COUNTY																								
WASHTENAW			160								10	387	10	348	331	17	19	10	5	20	14	6		
ANN ARBOR			53									16	4	127	122	5	8	4	2	13	12	3		
CHELSEA			24									7	1	13	13	1	1	2	2	2	2	1		
PILAN PT.			5									52	1	7	7	2	4	1	1	2	2	1		
YPSILANTI			47								2	169	5	154	144	10	9	4	2	15	9	6		
BALANCE OF COUNTY																								
WAYNE	78	6	2,467	33	24	51	1	1			2	10,528	243	9,017	8,728	489	298	769	158	567	341	226	171	17
ALLEN PARK			20		2							95	12	88	86	4	4	5		3			12	
DEARBORN	1		78		2							11	320	305	15	17	25	4	26	16	10	13		
DETROIT	69	5	1,811	24	17	48	1	1			2	7,555	175	6,595	6,244	351	211	573	118	410	250	160	11	
ECCRESE			13									54		48	46	2	3	3	12	6	5	1		
FLAT ROCK			1									25		22	20	2	1	2	2	2	2	2		
GARDEN CITY			11									62	1	56	49	7	1	4		4	2	1		
GROSSE POINTE			12									49	1	42	37	5	3	4		5	3	3		
GROSSE PTE. PARK			13									53	1	45	43	6	2	8		4	3	3		
GROSSE PTE. PARK			12									76	3	65	46	4	5	1		6	3	3		
GROSSE PTE. WOODS			46									49	2	180	175	5	5	15		9	6	3		
HAMTRAC			19									202	2	76	71	5	2	4		4	1	1		
HARPER WOODS			22									175	3	145	136	9	11	16		12	8	4		
HIGHLAND PARK			49									95	4	83	82	1	3	5		4	1	1		
INKSTER			22									128	3	117	112	5	3	5		3	3	3		
LINCOLN PARK			29									189	5	171	158	13	7	7		2	2	2		
LIVONIA			47									43	3	34	31	3	1	3		3	1	1		
MELVINDALE			6									46		42	37	5	1	1		3	2	2		
NORTHVILLE PT.			11									72		17	16	1	2	3		3	3	3		
PLYMOUTH			15									58		42	37	5	1	1		3	3	3		
RIVER ROUGE			5									54		52	51	1	1	2		4	1	1		
RIVERSIDE			11									75		47	45	2	2	4		3	3	3		
SOUTHGATE			15									175		64	61	3	5	2		3	3	3		
TRENTON			15									702		155	155	4	13	45		34	10	18		
WAYNE			159								6		19	625	598	27	13	45	9	34	10	18		
WYANDOTTE			31									79		54	56	7	11	5	3	6	3	3		
BALANCE OF COUNTY																								
WEXFORD			32									46		53	39	5	8	3		2	2	1		
SACILAC			18									33		28	23	2	3	2		4				
BALANCE OF COUNTY																								

18 = 19

7 = 9

5 = 5

10 = 10

7 = 9

15 = 17

49 = 50

17 810 = 827

18 = 18

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	PNEUMONIA				A 92 Acute bronchitis	A 93 Bronchitis, chronic & unqualified	A 94 Hypertrophy of tonsils & adenoids	A 95 Empyema & abscess of lung	A 96 Pleurisy	A 97 All other respiratory diseases	A 98 Diseases of teeth & supporting structures	A 99 Ulcer of stomach	A100 Ulcer of duodenum	A101 Gastritis & duodenitis	A102 Appendicitis	A103 Intestinal obstruction & hernia	A104 Gastro-enteritis & colitis, except diarrhea of newborn	A105 Cirrhosis of liver	A106 Cholelithiasis & cholecystitis	A107 Other diseases of digestive system	NEPHRITIS & NEPHROSIS					
	Total	A 89 Lobar pneumonia	A 90 Bronchopneumonia	A 91 Primary atypical, other & unspecified pneumonia																	Total	A108 Acute nephritis	A109 Chronic, other & unspecified nephritis	591 Nephritis with edema, including unspecified nephritis	592-594 Chronic & unspecified nephritis & other renal sclerosis	A110 Infections of kidney
STATE	1,973	294	778	901	49	219	3	22	9	1,379	1	227	175	21	58	400	291	1,240	194	455	406	12	394	27	367	327
ALCONA	1	1	-	-	-	-	-	-	-	4	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-
ALGER	2	-	2	-	-	-	-	-	-	3	-	1	-	-	-	-	-	3	-	-	1	-	-	-	-	-
BALANCE OF COUNTY	2	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
ALLEGAN	9	1	2	6	1	2	-	-	-	8	4	4	2	-	-	2	1	3	2	0	1	2	-	-	-	4
HOLLAND PT.	2	1	1	1	-	-	-	-	-	2	1	1	1	-	-	1	1	1	1	1	1	1	-	-	-	1
OTSEGO	1	1	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	1	1	1	-	-	-	1
PLAINWELL	1	1	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	1	1	1	-	-	-	1
BALANCE OF COUNTY	5	-	-	5	1	2	-	-	-	6	3	3	1	-	-	1	1	3	1	3	3	1	-	-	-	4
ALPENA	5	2	1	2	1	-	-	-	-	7	-	-	-	-	-	2	1	1	1	1	1	1	-	-	-	4
BALANCE OF COUNTY	4	1	-	2	1	-	-	-	-	4	-	-	-	-	-	2	1	2	1	1	1	-	-	-	-	1
ANTRIM	3	-	-	3	-	-	-	1	1	3	-	1	2	-	-	3	-	3	1	1	1	-	-	-	-	-
AREMAC	4	1	2	1	-	1	-	1	1	2	-	1	-	-	-	3	-	1	1	1	1	-	-	-	-	-
BARAGA	5	1	1	3	-	-	-	-	-	3	-	-	-	-	-	-	-	2	1	1	1	-	-	-	-	-
BARRY	4	-	2	2	-	-	-	-	-	16	-	-	1	-	-	1	3	2	1	-	-	-	-	-	-	3
HASTINGS	1	-	1	-	-	-	-	-	-	12	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	1
BALANCE OF COUNTY	3	-	1	2	-	-	-	-	-	12	-	-	-	-	-	2	1	3	1	-	-	-	-	-	-	2
BAY CITY	28	5	14	9	3	3	-	9	1	16	4	6	4	-	1	8	7	11	7	4	5	3	-	-	-	8
ESSEXVILLE	21	4	11	6	2	2	-	5	-	5	-	4	3	-	1	4	6	9	4	4	1	1	-	-	-	5
BALANCE OF COUNTY	9	1	2	3	1	1	-	6	-	5	-	2	1	-	-	3	2	1	3	3	8	5	-	-	-	2
BENZIE	3	-	1	2	-	-	-	2	-	2	-	2	-	-	-	1	-	1	1	1	1	2	-	-	-	-
BERRIEN	37	5	15	17	1	4	-	1	-	25	-	4	1	-	-	5	2	20	4	12	12	-	-	-	-	4
BENTON HARBOR	12	2	6	4	-	-	-	-	-	2	-	-	-	-	-	1	1	1	1	1	2	2	1	1	1	2
BUCHANAN	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1
WILES	4	-	2	2	-	-	-	-	-	2	-	2	-	-	-	2	1	2	-	1	1	2	2	2	2	2
ST. JOSEPH	3	1	2	1	-	-	-	1	-	2	-	1	-	-	-	1	1	1	-	1	1	2	2	2	2	2
BALANCE OF COUNTY	17	2	6	9	1	3	-	1	-	20	1	1	1	-	-	1	1	13	3	8	5	-	-	-	-	2
BRANCH	9	1	1	7	-	-	-	-	-	10	-	1	1	-	-	3	3	3	1	1	1	2	-	-	-	2
COLDWATER	3	-	-	-	-	-	-	-	-	8	-	1	1	-	-	1	2	2	1	1	1	-	-	-	-	2
BALANCE OF COUNTY	6	1	1	4	-	-	-	-	-	8	-	1	-	-	-	2	2	2	1	1	1	-	-	-	-	2
CALHOUN	43	6	17	20	-	5	-	2	1	27	-	3	1	2	1	11	13	21	5	8	12	-	-	-	-	5
ALBION	6	-	1	5	-	-	-	-	-	2	-	1	-	-	-	1	2	2	1	1	1	-	-	-	-	1
CHARLEVOIX	18	3	7	8	-	2	-	2	1	13	-	1	-	1	1	5	4	8	4	6	4	-	-	-	-	3
SPRINGFIELD	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	2	2	1	1	1	-	-	-	-	1
BALANCE OF COUNTY	18	3	8	7	-	3	-	-	-	10	-	2	1	1	-	5	5	10	1	2	7	-	-	-	-	2
CASS	25	1	18	6	-	1	-	1	-	8	-	-	2	-	1	2	2	7	1	3	3	-	-	-	-	3
DONAGIAC	2	-	1	1	-	-	-	-	-	1	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	-
BALANCE OF COUNTY	23	1	17	5	-	1	-	-	-	7	-	-	2	-	-	1	2	1	1	2	2	-	-	-	-	3
CHARLEVOIX	8	1	6	1	-	-	-	-	-	2	-	1	-	-	-	3	3	1	2	2	2	-	-	-	-	1
BOYNE CITY	3	-	1	1	-	-	-	-	-	1	-	1	-	-	-	1	1	1	1	1	1	-	-	-	-	-
CHARLEVOIX	2	-	1	1	-	-	-	-	-	1	-	1	-	-	-	2	3	1	1	1	1	-	-	-	-	1
BALANCE OF COUNTY	3	1	2	-	-	-	-	-	-	1	-	1	-	-	-	2	3	1	2	2	2	-	-	-	-	1
CHEBOYGAN	2	-	-	2	-	2	-	-	-	2	-	-	1	-	-	1	-	4	-	-	-	-	-	-	-	3
CHEBOYGAN	1	-	-	1	-	1	-	-	-	1	-	-	1	-	-	1	-	3	-	-	-	-	-	-	-	2
BALANCE OF COUNTY	1	-	-	1	-	1	-	-	-	1	-	-	1	-	-	1	-	3	-	-	-	-	-	-	-	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	PNEUMONIA				A 92 Acute bronchitis	A 93 Bronchitis, chronic & unqualified	A 94 Hypertrophy of tonsils & adenoids	A 95 Empyema & abscess of lung	A 96 Pleurisy	A 97 All other respiratory diseases	A 98 Diseases of teeth & supporting structures	A 99 Ulcer of stomach	A 100 Ulcer of duodenum	A 101 Gastritis & duodenitis	A 102 Appendicitis	A 103 Intestinal obstruction & hernia	A 104 Gastro-enteritis & colitis, except diarrhea of newborn	A 105 Cirrhosis of liver	A 106 Cholelithiasis & cholecystitis	A 107 Other diseases of digestive system	NEPHRITIS & NEPHROSIS				A 110 Infections of kidney																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Total	A 89 Lobar pneumonia	A 90 Bronchopneumonia	A 91 Primary atypical, other & unspecified pneumonia																	Total	A 108 Acute nephritis	A 109 Chronic, other & unspecified nephritis	591 Nephritis with edema, including nephrosis		592-594 Chronic & unspecified nephritis & other renal sclerosis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
MURCIN	7		3	4	1	1						3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	PNEUMONIA				A 92 Acute bronchitis	A 93 Bronchitis, chronic & unqualified	A 94 Hypertrophy of tonsils & adenoids	A 95 Empyema & abscess of lung	A 96 Pleurisy	A 97 All other respiratory diseases	A 98 Diseases of teeth & supporting structures	A 99 Ulcer of stomach	A 100 Ulcer of duodenum	A 101 Gastritis & duodenitis	A 102 Appendicitis	A 103 Intestinal obstruction & hernia	A 104 Gastro-enteritis & colitis, except diarrhoea of newborn	A 105 Cirrhosis of liver	A 106 Cholelithiasis & cholecystitis	A 107 Other diseases of digestive system	NEPHRITIS & NEPHROSIS				A 110 Infections of kidney	
	Total			Total																	A 108 Acute nephritis	A 109 Chronic, other & unspecified nephritis	591 Nephritis with edema, including unspecified nephritis	592-594 Chronic & unspecified nephritis & other renal sclerosis		
	A 89 Lobar pneumonia	A 90 Bronchopneumonia	A 91 Primary atypical, other & unspecified pneumonia																							
ST. JOSEPH	18	4	7	7																						
STURGIS	4	1	2	1																						
THREE RIVERS	2	1	1	1																						
BALANCE OF COUNTY	12	2	4	6																						
SANILAC	7	1	1	5																						
SCHOOLCRAFT	5	1	2	2																						
MANISTIQUE	1	1	1	2																						
BALANCE OF COUNTY	4	1	1	2																						
SHIAWASSEE	10	3	4	3																						
CORUNNA	1	1	1	1																						
DURAND	1	2	3	1																						
CHASSC	5	1	1	1																						
BALANCE OF COUNTY	9	1	1	1																						
TUSCOLA	7	4	4	3																						
CARGO	7	4	4	3																						
VASSAR	7	4	4	3																						
BALANCE OF COUNTY	7	4	4	3																						
VAN BUREN	15	9	9	6																						
PAN PAM	3	1	1	1																						
SOUTH HAVEN	3	1	1	1																						
BALANCE OF COUNTY	12	7	7	5																						
WASHTENAW	49	6	17	26																						
ANN ARBOR	10	4	4	6																						
CHELSEA	3	1	1	2																						
MILAN PT.	3	2	2	1																						
YPSILANTI	14	2	4	6																						
BALANCE OF COUNTY	19	4	9	6																						
WAYNE	810	135	287	388	20	74	1	8	3	435	16	71	56	6	16	135	83	644	54	191	141	7	134	11	123	137
ALLEN PARK	3	1	2	1								2	2	1	1	2	2	3	13	4	1	1	1	1	1	3
DEARBORN	33	8	15	10								4	2	1	1	10	67	495	41	132	114	5	109	9	100	106
DETROIT	608	105	215	288	13	52	1	5	2	310	10	47	33	4	10	100	62	495	41	132	114	5	109	9	100	106
ECCRESE	7	1	2	4								1	1							1						
FLAT ROCK	7	1	2	4								1	1							1						
GARDEN CITY	5	1	1	4									1							1						
GROSSE POINTE	2	2	2	2									1													
GROSSE POINTE PARKS	4	2	2	2									1													
GROSSE PTE. PARK	4	4	3	3									2													
GROSSE PTE. WOODS	12	4	3	5									2													
HARTZMCK	15	2	4	9									2													
HARPER WOODS	8	3	4	5									1													
HIGHLAND PARK	11	3	4	5									2													
INKSTER	15	2	4	9									1													
LINCOLN PARK	11	3	4	5									2													
LIVONIA	2	1	1	1									1													
METROPOLE	5	1	1	1									1													
METROPOLE PT.	2	1	1	1									1													
METROPOLE PARK	6	2	2	4									3													
PLYMOUTH	4	1	1	1									1													
RIVER ROUGE	6	2	2	4									1													
RIVERVIEW	5	1	1	1									1													
SOUTHGATE	5	1	1	1									1													
TRENTON	13	1	1	1									1													
WAYNE	45	9	12	22	3	4							5	1	2	12	2	29	4	15	10	1	9	1	8	10
WYANDOTTE	18	11	18	7																						
BALANCE OF COUNTY	11	3	3	4																						
WECFO	18	11	18	7																						
WECADILLAC	11	3	3	4																						
BALANCE OF COUNTY	7	3	3	4																						

AREA	MATERNAL DEATHS						CONGENITAL MALFORMATIONS																	
	A111 Calculi of urinary system	A112 Hypertplasia of prostate	A113 Diseases of breast	A114 Other diseases of genito-urinary system	Total	A115 Sepsis of pregnancy, childbirth & puerperium	A116 Toxemia of pregnancy & puerperium	A117 Hemorrhage of pregnancy & childbirth	A118 Abortion without mention sepsis or toxemia	A119 Abortion with sepsis	A120 Other complications pregnancy, childbirth & puerperium, delivery without mention of complication	A121 Infections of skin & sub-cutaneous tissue	A122 Arthritis & spondylitis	A123 Muscular rheumatism & rheumatism unspecified	A124 Osteomyelitis & periostitis	A125 Ankylosis & 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	A130 Birth injuries	A131 Postnatal asphyxia & electrocisis	
ST. JOSEPH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STURGIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THREE RIVERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SANTILAC	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	1	4	1	1	2	2	-
SCHOOLCRAFT	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANISTIQUE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHIMASSEE	-	1	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	10	1	7	3	3	2	1
CORUNNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DURAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OMOSSO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TULSCOLA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VASSAR	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VAN BUREN	-	1	-	-	1	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-
PAPAIAHVEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH HAVEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MASHITAN	-	2	-	-	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ANN ARBOR	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHELSEA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILAN PT.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YPSILANTI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MAYNE	6	43	-	55	22	2	4	1	6	9	2	20	5	1	45	1	30	151	257	15	135	107	121	199
ALLEN PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEARBORN	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DETROIT	5	29	-	39	16	2	3	-	3	6	2	14	2	1	1	1	1	8	3	81	62	89	138	138
ECORSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLAT ROCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GARDEN CITY	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND BLAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROSSE PTE. PARKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROSSE PTE. PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROSSE PTE. WOODS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTRANCH	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARPER WOODS	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HIGHLAND PARK	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INKSTER	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUTHERVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUNTAINDALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHVILLE PT.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLYMOUTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVER ROUGE	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERVIEW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHWAYE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRENTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAYNE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHITEHAWKE	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	5	-	3	3	-	1	-	1	1	1	-	1	-	-	-	8	26	4	2	16	8	11	23
WEXFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CADILLAC	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	A 132 Infections of newborn	763 Pneumonia of newborn	764 Diarrhea of newborn	765-768 Other infections of newborn	A 133 Hemolytic disease of newborn	A 134 All other defined diseases of early infancy	A 135 Ill-defined diseases peculiar to early infancy & immaturity	773 Ill-defined diseases	774-776 Immaturity	A 136 Senility without mention of psychosis	A 137 Ill-defined & unknown causes of mortality	ACCIDENTS								AE149 Homicide & injury inflicted by other persons (not in war)	AE150 Injury resulting from operations of war																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
												AE138 Motor vehicle accidents	AE139 Other transport accidents	AE140 Accidental poisoning	AE141 Accidental falls	AE142 Accident caused by machinery	AE143 Accident caused by fire & explosion of combustible material	AE144 Accident caused by hot substance, steam & radiation	AE145 Accident caused by firearm			AE146 Accidental drowning & submersion	AE147 All other accidental causes	AE148 Suicide & self-inflicted injury																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
MACKINAC ST. IGNACE												10	7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ACCIDENTS																								
	A 132 Infections of newborn	763 Pneumonia of newborn	764 Diarrhoea of newborn	765-768 Other infections of newborn	A 133 Hemolytic disease of newborn	A 134 All other defined diseases of early infancy	A 135 Ill-defined diseases peculiar to early infancy & immaturity unqualified	773 Ill-defined diseases	774-776 Immaturity	A 136 Sentility without mention of psychosis	A 137 Ill-defined & unknown causes of mortality	Total	AE138 Motor vehicle accidents	AE139 Other transport accidents	AE140 Accidental poisoning	AE141 Accidental falls	AE142 Accident caused by machinery	AE143 Accident caused by fire & explosion of combustible material	AE144 Accident caused by hot substance, corrosive liquid, steam & radiation	AE145 Accident caused by firearm	AE146 Accidental drowning & submersion	AE147 All other accidental causes	AE148 Suicide & self-inflicted injury	AE149 Homicide & injury by other persons (not in war)	AE150 Injury resulting from operations of war
ST. JOSEPH	1	1	1	1	1	1	2	1	1	1	1	31	17	3	1	1	1	2	1	1	1	1	1	1	1
STURGIS	1	1	1	1	1	1	2	1	1	1	1	6	4	3	1	2	1	1	1	1	1	1	1	1	1
THREE RIVERS	1	1	1	1	1	1	2	1	1	1	1	10	4	3	1	2	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	4	1	3	1	4	23	12	1	1	6	2	1	1	1	1	1	1	1	1
SARILAC	1	1	1	1	1	1	2	1	1	1	1	11	3	1	1	4	1	1	1	1	1	1	1	1	1
SCHOOLCRAFT	1	1	1	1	1	1	2	1	1	1	1	5	2	1	1	4	1	1	1	1	1	1	1	1	1
HANISTIQUE	1	1	1	1	1	1	2	1	1	1	1	6	1	1	1	4	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	4	2	2	1	1	35	15	4	1	7	1	2	1	1	1	1	1	1	1
SHIAPASSEE	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	2	1	1	1	1	1	1	1	1	1
CORUNNA	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
DURAND	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
OWASSO	1	1	1	1	1	1	1	1	1	1	1	20	9	2	1	4	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	3	1	2	1	1	50	27	2	1	2	1	7	1	1	1	1	1	1	1
TUSCOLA	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
CARO	1	1	1	1	1	1	1	1	1	1	1	44	24	1	1	1	1	1	1	1	1	1	1	1	1
VASSAR	1	1	1	1	1	1	1	1	1	1	1	45	21	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	7	1	6	1	17	45	21	1	4	13	1	2	1	1	1	1	1	1	1
VAN BUREN	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1
PAN PAN	1	1	1	1	1	1	1	1	1	1	15	35	15	1	4	10	1	2	1	1	1	1	1	1	1
SOUTH HAVEN	1	1	1	1	1	1	6	1	1	1	1	25	15	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	38	25	1	1	1	1	1	1	1	1	1	1	1	1
MASHTENAN	4	2	2	2	1	1	23	6	17	1	7	76	47	3	1	11	2	7	1	1	1	1	1	1	1
ANN ARBOR	2	1	1	1	1	1	11	3	8	1	2	25	15	1	1	1	1	1	1	1	1	1	1	1	1
CHELSEA	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MILAN PT.	1	1	1	1	1	1	1	1	1	1	1	12	6	1	1	1	1	1	1	1	1	1	1	1	1
YPSILANTI	2	1	1	1	1	1	7	2	3	1	4	38	25	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	44	18	1	25	20	21	412	124	288	6	143	1,295	562	40	61	288	15	98	6	31	61	133	305	363	1
MAYNE	2	2	2	2	2	2	7	1	4	1	1	14	8	4	3	11	1	1	1	3	2	3	15	1	1
DEARBORN	2	2	2	2	2	2	10	2	5	1	108	52	25	20	44	207	6	45	1	23	43	90	191	393	1
DETROIT	34	11	1	22	10	17	262	77	185	4	108	810	313	20	1	4	1	2	4	1	2	43	15	393	1
ECORSE	1	1	1	1	1	1	2	1	1	1	1	10	7	1	1	4	1	1	1	1	1	1	5	8	1
FLAT ROCK	1	1	1	1	1	1	3	1	1	1	1	19	7	1	1	1	1	1	1	1	1	1	3	3	1
GARDEN CITY	1	1	1	1	1	1	2	1	2	1	1	14	6	2	2	2	1	1	1	1	1	1	1	1	1
GROSSE POINTE	1	1	1	1	1	1	2	1	2	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1
GROSSE PTE. PARKS	1	1	1	1	1	1	3	1	2	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1
GROSSE PTE. PARK	1	1	1	1	1	1	1	1	2	1	1	8	12	1	1	3	3	1	1	1	1	1	1	1	1
HANTRAWICK	1	1	1	1	1	1	4	1	4	1	1	26	11	1	1	4	1	1	1	1	1	1	1	1	1
HARPER WOODS	1	1	1	1	1	1	2	1	1	1	1	19	5	1	1	3	1	1	1	1	1	1	1	1	1
HIGHLAND PARK	1	1	1	1	1	1	10	3	7	1	1	15	7	1	1	3	1	1	1	1	1	1	1	1	1
IMKSTER	2	1	1	1	1	1	11	3	12	1	1	14	8	2	1	2	1	1	1	1	1	1	1	1	1
LIVONIA	1	1	1	1	1	1	15	3	3	1	1	33	25	2	1	2	1	1	1	1	1	1	1	1	1
LIVONIA	1	1	1	1	1	1	2	2	2	1	1	7	3	1	1	1	1	1	1	1	1	1	1	1	1
MELVINDALE	1	1	1	1	1	1	2	2	2	1	1	10	7	1	1	1	1	1	1	1	1	1	1	1	1
MONTGOMERY	1	1	1	1	1	1	7	1	1	1	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1
NORTH HAVEN	1	1	1	1	1	1	1	1	1	1	1	13	9	1	1	2	1	1	1	1	1	1	1	1	1
RIVER ROUGE	1	1	1	1	1	1	2	1	2	1	1	16	1	1	1	2	1	1	1	1	1	1	1	1	1
RIVERVIEW	1	1	1	1	1	1	2	1	2	1	1	17	11	1	2	3	1	1	1	1	1	1	1	1	1
SOUTHGATE	1	1	1	1	1	1	10	5	2	1	1	25	9	1	1	1	1	1	1	1	1	1	1	1	1
TRENTON	1	1	1	1	1	1	40	18	22	1	10	148	79	8	5	18	3	15	1	1	1	1	1	1	1
WYANDOTTE	2	1	1	1	4	2	4	3	1	2	2	14	11	1	1	1	2	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1	1	1	1	2	14	3	1	1	1	1	1	1	1	1	1	1	1	1
WEXFORD	1	1	1	1	1	1	1	1	1	1	2	10	8	1	1	1	1	1	1	1	1	1	1	1	1
CADILLAC	1	1	1	1	1	1	1	1	1	1	2	10	8	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	3	2	1	1	2	10	8	1	1	1	1	1	1	1	1	1	1	1	1

TABLE 9 - LIVE BIRTHS, DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES, AND RATES BY COUNTY: POPULATION MICHIGAN, 1967

(Deaths exclusive of fetal deaths. Births and deaths by county of occurrence and residence. Fetal deaths by county of residence. Marriages by county of license. Divorces by county of decree. Birth rates, death rates, rates of persons married, and rates of persons divorced per 1,000 population. Fetal death ratios per 1,000 live births.)

AREA	POPULATION ESTIMATES July 1, 1967	LIVE BIRTHS				DEATHS				FETAL DEATHS		MARRIAGES		DIVORCES *	
		Occurrence Number	Rate	Residence Number	Rate	Occurrence Number	Rate	Residence Number	Rate	Residence Number	Ratio	Number	Rate Persons Married	Number	Rate Persons Divorced
STATE	8,615,000	161,623	18.8	162,756	18.9	74,542	8.7	75,360	8.7	2,195	13.5	84,363	19.6	23,620	5.5
Alcona	5,400	9	1.7	74	13.7	45	8.3	80	14.8	2	27.0	52	19.3	11	4.1
Alger	8,300	90	10.8	122	14.7	81	9.8	106	12.8	2	16.4	84	20.2	-	0
Allegan	59,500	765	12.9	1,178	19.8	462	7.8	566	9.5	17	14.4	565	19.0	135	4.5
Alpena	30,000	654	21.8	549	18.3	297	9.9	272	9.1	12	21.9	299	19.9	38	2.5
Antrim	10,200	1	0.1	208	20.4	87	8.5	150	14.7	3	14.4	111	21.8	34	6.7
Arenac	9,900	97	9.8	169	17.1	110	11.1	123	12.4	5	29.6	99	20.0	27	5.5
Baraga	7,900	164	20.8	136	17.2	122	15.4	110	13.9	1	7.4	45	11.4	17	4.3
Barry	30,400	444	14.6	626	20.6	269	8.8	334	11.0	6	9.6	328	21.6	118	7.8
Bay	114,100	2,322	20.4	2,287	20.0	979	8.6	1,013	8.9	25	10.9	1,158	20.3	287	5.0
Benzie	8,100	127	15.7	144	17.8	93	11.5	108	13.3	-	0	100	24.7	15	3.7
Berrien	166,500	3,377	20.3	3,362	20.2	1,560	9.4	1,602	9.6	45	13.4	2,670	32.1	477	5.7
Branch	33,800	611	18.1	567	16.8	349	10.3	363	10.7	5	8.8	395	23.4	101	6.0
Calhoun	146,400	2,838	19.4	2,593	17.7	1,478	10.1	1,373	9.4	47	18.1	1,496	20.4	557	7.6
Cass	36,200	227	6.3	605	16.7	274	7.6	429	11.9	9	14.9	398	22.0	130	7.2
Charlevoix	16,600	206	12.4	301	18.1	142	8.6	181	10.9	6	19.9	164	19.8	33	4.0
Cheboygan	14,900	242	16.2	308	20.7	147	9.9	180	12.1	8	26.0	156	20.9	29	3.9
Chippewa	32,400	730	22.5	734	22.7	286	8.8	301	9.3	14	19.1	339	20.9	76	4.7
Clare	13,200	221	16.7	241	18.3	164	12.4	191	14.5	1	4.1	169	25.6	29	4.4
Clinton	43,100	248	5.8	929	21.6	251	5.8	345	8.0	6	6.5	314	14.6	69	3.2
Crawford	5,900	197	33.4	106	18.0	127	21.5	66	11.2	2	18.9	60	20.3	15	5.1
Delta	33,800	551	16.3	544	16.1	338	10.0	384	11.4	-	0	300	17.8	57	3.4
Dickinson	24,100	486	20.2	339	14.1	395	16.4	284	11.8	3	8.8	261	21.7	42	3.5
Eaton	59,100	579	9.8	1,110	18.8	364	6.2	498	8.4	12	10.8	468	15.8	121	4.1
Emmet	17,300	548	31.7	293	16.9	329	19.0	211	12.2	6	20.5	209	24.2	53	6.1
Genesee	433,400	9,614	22.2	9,225	21.3	3,119	7.2	3,135	7.2	139	15.1	4,147	19.1	1,427	6.6
Gladwin	10,600	110	10.4	208	19.6	114	10.8	135	12.7	3	14.4	117	22.1	11	2.1
Gogebic	20,800	336	16.2	274	13.2	328	15.8	298	14.3	5	18.2	363	34.9	26	2.5
Gd. Traverse	39,600	1,005	25.4	664	16.8	715	18.1	359	9.1	7	10.5	408	20.6	106	5.4
Gratiot	38,700	749	19.4	805	20.8	431	11.1	390	10.1	8	9.9	391	20.2	69	3.6
Hillsdale	35,400	367	10.4	642	18.1	245	6.9	333	9.4	4	6.2	381	21.5	101	5.7
Houghton	33,300	541	16.2	518	15.6	483	14.5	523	15.7	9	17.4	254	15.3	60	3.6
Huron	34,400	564	16.4	610	17.7	338	9.8	396	11.5	11	18.0	283	16.5	43	2.5
Ingham	249,500	6,319	25.3	5,141	20.6	1,762	7.1	1,678	6.7	60	11.7	3,023	24.2	835	6.7
Ionia	45,300	482	10.6	824	18.2	354	7.8	467	10.3	14	17.0	398	17.6	115	5.1
Iosco	19,800	508	25.7	499	25.2	189	9.5	206	10.4	6	12.0	167	16.9	33	3.3
Iron	14,300	123	8.6	142	9.9	221	15.5	235	16.4	2	14.1	148	20.7	35	4.9
Isabella	36,100	687	19.0	730	20.2	292	8.1	290	8.0	15	20.5	364	20.2	57	3.2
Jackson	141,400	2,680	19.0	2,578	18.2	1,306	9.2	1,355	9.6	37	14.4	1,424	20.1	518	7.3
Kalamazoo	187,300	3,800	20.3	3,589	19.2	1,701	9.1	1,530	8.2	33	9.2	2,032	21.7	593	6.3
Kalamazoo	5,000	105	21.0	88	17.6	50	10.0	73	14.6	-	0	46	18.4	4	1.6
Kent	403,100	8,404	20.8	7,549	18.7	3,746	9.3	3,478	8.6	94	12.5	4,017	19.9	1,161	5.8
Keeweenaw	2,300	-	0	35	15.2	15	6.5	44	19.1	-	0	13	11.3	1	0.9
Lake	4,300	-	0	61	14.2	33	7.7	104	24.2	-	16.4	46	21.4	-	0
Lapeer	48,700	987	20.3	974	20.0	356	7.3	393	8.1	12	12.3	422	17.3	114	4.7
Leelanau	10,000	43	4.3	140	14.0	55	5.5	128	12.8	-	0	87	17.4	22	4.4
Lenawee	81,700	1,750	21.4	1,522	18.6	715	8.8	759	9.3	19	12.5	894	21.9	259	6.3
Livingston	46,900	634	13.5	890	19.0	321	6.8	399	8.5	9	10.1	438	18.7	130	5.5
Luce	7,200	61	8.5	73	10.1	129	17.9	60	8.3	1	13.7	65	18.1	13	3.6
Mackinac	9,600	129	13.4	162	16.9	64	6.7	91	9.5	5	30.9	84	17.5	22	4.6
Macomb	596,700	6,526	10.9	11,868	19.9	2,417	4.1	3,051	5.1	146	12.3	4,124	13.8	1,029	3.4
Manistee	19,500	317	16.3	308	15.8	257	13.2	271	13.9	4	13.0	165	16.9	27	2.8
Marquette	61,500	1,248	20.3	1,202	19.5	602	9.8	592	9.6	15	12.5	635	20.7	114	3.7
Mason	21,900	296	13.5	313	14.3	236	10.8	266	12.1	3	9.6	198	18.1	46	4.2
Mecosta	23,500	423	18.0	467	19.9	186	7.9	226	9.6	1	2.1	212	18.0	48	4.1
Menominee	23,400	483	20.6	385	16.5	310	13.2	290	12.4	10	26.0	443	37.9	23	2.0
Midland	59,300	1,360	22.9	1,256	21.2	303	5.1	344	5.8	17	13.5	561	18.9	145	4.9
Missaukee	6,200	-	0	102	16.5	21	3.4	78	12.6	2	19.6	51	16.5	7	2.3
Monroe	112,000	1,311	11.7	2,171	19.4	574	5.1	832	7.4	17	7.8	3,074	54.9	245	4.4
Montcalm	41,000	1,249	30.5	699	17.0	473	11.5	454	11.1	18	25.8	356	17.4	108	5.3
Montmorency	4,400	3	0.7	59	13.4	27	6.1	63	14.3	-	0	31	14.1	9	4.1
Muskegon	154,800	2,948	19.0	3,026	19.5	1,299	8.4	1,359	8.8	29	9.6	1,616	20.9	444	5.7
Newaygo	25,500	487	19.1	460	18.0	279	10.9	284	11.1	6	13.0	235	18.4	67	5.3
Oakland	838,500	15,533	18.5	15,545	18.5	5,330	6.4	5,458	6.5	186	12.0	6,973	16.6	2,541	6.1
Oceana	16,100	404	25.1	321	19.9	197	12.2	195	12.1	-	0	159	19.8	48	6.0
Ogemaw	9,600	293	30.5	150	15.6	186	19.4	144	15.0	3	20.0	116	24.2	13	2.7
Ontonagon	10,900	116	10.6	159	14.6	90	8.3	124	11.4	4	25.2	73	13.4	9	1.7
Osceola	15,000	174	11.6	239	15.9	140	9.3	145	9.7	3	12.6	138	18.4	-	0
Oscoda	3,800	2	0.5	64	16.8	64	16.8	65	17.1	-	0	53	27.9	8	4.2
Otsego	9,800	163	16.6	188	19.2	105	10.7	81	8.3	4	21.3	86	17.6	18	3.7
Ottawa	114,500	1,874	16.4	2,275	19.9	763	6.7	826	7.2	16	7.0	1,015	17.7	213	3.7
Presque Isle	12,400	215	17.3	216	17.4	116	9.4	139	11.2	1	4.6	92	14.8	15	2.4
Roscommon	8,100	-	0	104	12.8	50	6.2	122	15.1	-	0	66	16.3	18	4.4
Saginaw	215,400	4,837	22.5	4,664	21.7	1,874	8.7	1,673	7.8	61	13.1	1,858	17.3	511	4.7
St. Clair	114,000	1,956	17.2	2,058	18.1	1,053	9.2	1,190	10.4	32	15.5	1,125	19.7	299	5.2
St. Joseph	45,000	812	18.0	849	18.9	454	10.1	481	10.7	11	13.0	478	21.2	123	5.5
Sanilac	32,900	407	12.4	570	17.3	301	9.1	410	12.5	12	21.1	273	16.6	48	2.9
Schoolcraft	7,600	177	23.3	135	17.8	109	14.3	119	15.7	1	7.4	91	23.9	12	3.2
Shiawassee	60,800	1,212	19.9	1,339	22.0	423	7.0	516	8.5	15	11.2	581	19.1	166	5.5
Tuscola	46,800	448	9.6	903	19.3	452	9.7	508	10.9	13	14.4	387	16.5	82	3.5
Van Buren	54,200	628	11.6	955	17.6	441	8.1	639	11.8	13	13.6	502	18.5	136	5.0
Washtenaw	208,000	5,221	25.1	4,085	19.6	2,480	11.9	1,219	5.9	45	11.0	2,389	23.0	686	6.6
Wayne	2,736,800	54,288	19.8	49,808	18.2	26,846	9.8	26,833	9.8	769	15.4	25,787	18.8	8,072	5.9
Wexford	19,300	480	24.9	345	17.9	253	13.1	234	12.1	7	20.3	168	17.4	64	6.6

TABLE 10 - LIVE BIRTHS BY LEGITIMACY AND IMMATURITY, FETAL DEATHS, DEATHS UNDER 1 YEAR BY AGE GROUPS, MATERNAL DEATHS, AND RATES BY COUNTY OF RESIDENCE
MICHIGAN, 1967

(Illegitimate and immature birth ratios, fetal death ratios, and death rates under 1 year by age groups per 1,000 live births.)																		
Maternal death rates per 10,000 live births.)																		
AREA	LIVE BIRTHS				FETAL DEATHS		DEATHS											
	Total	Illegitimate		Immature*			Infant					Maternal						
	Number	Number	Ratio	Number	Ratio	Number	Ratio	Under 1 Day Number Rate	Under 1 Week Number Rate	Under 28 Days Number Rate	Under 1 Year Number Rate	Number	Rate					
STATE	162,756	13,403	82.4	12,849	78.9	2,195	13.5	1,655	10.2	2,498	15.3	2,714	16.7	3,595	22.1	52	3.2	
Alcona	74	11	148.6	3	40.5	2	27.0	-	0	-	0	-	0	-	0	-	0	
Alger	122	3	24.6	4	32.8	2	16.4	-	0	-	0	-	0	1	8.2	-	0	
Allegan	1,178	51	43.3	80	67.9	17	14.4	9	7.6	15	12.7	17	14.4	27	22.9	-	0	
Alpena	549	22	40.1	42	76.5	12	21.9	7	12.8	7	12.8	7	12.8	9	16.4	-	0	
Antrim	208	15	72.1	8	38.5	3	14.4	2	9.6	3	14.4	3	14.4	5	24.0	1	48.1	
Arenac	169	8	47.3	2	11.8	5	29.6	-	0	-	0	-	0	1	5.9	1	59.2	
Baraga	136	6	44.1	9	66.2	1	7.4	2	14.7	2	14.7	2	14.7	3	22.1	2	147.1	
Barry	626	26	41.5	50	79.9	6	9.6	4	6.4	8	12.8	9	14.4	11	17.6	-	0	
Bay	2,287	102	44.6	182	79.6	25	10.9	27	11.8	43	18.8	49	21.4	65	28.4	1	4.4	
Benzie	144	9	62.5	10	69.4	-	0	2	13.9	2	13.9	2	13.9	2	13.9	-	0	
Berrien	3,362	326	97.0	235	69.9	45	13.4	32	9.5	48	14.3	53	15.8	77	22.9	1	3.0	
Branch	567	30	52.9	37	65.3	5	8.8	7	12.3	10	17.6	10	17.6	11	19.4	-	0	
Calhoun	2,593	230	88.7	206	79.4	47	18.1	36	13.9	48	18.5	52	20.1	65	25.1	1	3.9	
Cass	605	27	44.6	38	62.8	9	14.9	4	6.6	10	16.5	10	16.5	15	24.8	-	0	
Charlevoix	301	21	69.8	14	46.5	6	19.9	1	3.3	3	10.0	4	13.3	5	16.6	-	0	
Cheboygan	308	23	74.7	27	87.7	8	26.0	3	9.7	5	16.2	5	16.2	6	19.5	1	32.5	
Chippewa	734	34	46.3	59	80.4	14	19.1	5	6.8	8	10.9	8	10.9	9	12.3	-	0	
Clare	241	12	49.8	16	66.4	1	4.1	2	8.3	4	16.6	5	20.7	9	37.3	-	0	
Clinton	929	36	38.8	36	38.8	6	6.5	7	7.5	11	11.8	13	14.0	16	17.2	-	0	
Crawford	106	8	75.5	9	84.9	2	18.9	-	0	1	9.4	1	9.4	1	9.4	-	0	
Delta	544	29	53.3	27	49.6	-	0	4	7.4	8	14.7	9	16.5	9	16.5	-	0	
Dickinson	339	10	29.5	20	59.0	3	8.8	5	14.7	5	14.7	6	17.7	9	26.5	1	29.5	
Eaton	1,110	61	55.0	66	59.5	12	10.8	8	7.2	13	11.7	14	12.6	20	18.0	-	0	
Emmet	293	20	68.3	24	81.9	6	20.5	3	10.2	4	13.7	6	20.5	6	20.5	-	0	
Genesee	9,225	841	91.2	739	80.1	139	15.1	103	11.2	159	17.2	169	18.3	210	22.8	1	1.1	
Gladwin	208	10	48.1	12	57.7	3	14.4	1	4.8	2	9.6	2	9.6	5	24.0	-	0	
Gogebic	274	9	32.8	18	65.7	5	18.2	2	7.3	5	18.2	5	18.2	7	25.5	-	0	
Gd. Traverse	664	45	67.8	47	70.8	7	10.5	9	13.6	15	22.6	17	25.6	22	33.1	-	0	
Gratiot	805	37	46.0	54	67.1	8	9.9	11	13.7	11	13.7	13	16.1	21	26.1	-	0	
Hillsdale	642	36	56.1	55	85.7	4	6.2	5	7.8	6	9.3	10	15.6	14	21.8	2	31.2	
Houghton	518	12	23.2	27	52.1	9	17.4	2	3.9	6	11.6	6	11.6	12	23.2	-	0	
Huron	610	24	39.3	30	49.2	11	18.0	11	18.0	14	23.0	16	26.2	19	31.1	2	32.8	
Ingham	5,141	394	76.6	341	66.3	60	11.7	38	7.4	77	15.0	83	16.1	110	21.4	1	1.9	
Ionia	824	39	47.3	58	70.4	14	17.0	10	12.1	14	17.0	16	19.4	22	26.7	-	0	
Iosco	499	12	24.0	27	54.1	6	12.0	7	14.0	9	18.0	12	24.0	15	30.1	-	0	
Iron	142	5	35.2	4	28.2	2	14.1	2	14.1	2	14.1	2	14.1	3	21.1	-	0	
Isabella	730	34	46.6	54	74.0	15	20.5	9	12.3	14	19.2	15	20.5	18	24.7	1	13.7	
Jackson	2,578	151	58.6	192	74.5	37	14.4	28	10.9	42	16.3	43	16.7	56	21.7	-	0	
Kalamazoo	3,589	285	79.4	278	77.5	33	9.2	30	8.4	47	13.1	52	14.5	76	21.2	-	0	
Kalkaska	88	2	22.7	3	34.1	-	0	-	0	1	11.4	1	11.4	2	22.7	-	0	
Kent	7,549	566	75.0	524	69.4	94	12.5	63	8.3	103	13.6	113	15.0	158	20.9	1	1.3	
Keweenaw	35	-	0	3	85.7	-	0	2	57.1	2	57.1	2	57.1	2	57.1	-	0	
Lake	61	8	131.1	3	49.2	1	16.4	-	0	-	0	-	0	1	16.4	-	0	
Lapeer	974	39	40.0	63	64.7	12	12.3	13	13.3	18	18.5	19	19.5	26	26.7	-	0	
Leelanau	140	6	42.9	7	50.0	-	0	1	7.1	1	7.1	1	7.1	1	7.1	-	0	
Lenawee	1,522	73	48.0	117	76.9	19	12.5	11	7.2	26	17.1	26	17.1	33	21.7	1	6.6	
Livingston	890	52	58.4	69	77.5	9	10.1	17	19.1	21	23.6	22	24.7	25	28.1	-	0	
Luce	73	8	109.6	3	41.1	1	13.7	-	0	1	13.7	1	13.7	1	13.7	-	0	
Mackinac	162	9	55.6	5	30.9	5	30.9	-	0	1	6.2	2	12.3	4	24.7	-	0	
Macomb	11,868	432	36.4	843	71.0	146	12.3	112	9.4	154	13.0	169	14.2	213	17.9	1	0.8	
Manistee	308	18	58.4	14	45.5	4	13.0	2	6.5	2	6.5	3	9.7	6	19.5	-	0	
Marquette	1,202	43	35.8	81	67.4	15	12.5	16	13.3	22	18.3	23	19.1	32	26.6	-	0	
Mason	313	19	60.7	19	60.7	3	9.6	1	3.2	2	6.4	2	6.4	2	6.4	-	0	
Mecosta	467	23	49.3	25	53.5	1	2.1	4	8.6	4	8.6	4	8.6	4	8.6	-	0	
Menominee	385	6	15.6	32	83.1	10	26.0	3	7.8	5	13.0	5	13.0	8	20.8	-	0	
Midland	1,256	48	38.2	61	48.6	17	13.5	11	8.8	18	14.3	19	15.1	20	15.9	1	8.0	
Missaukee	102	4	39.2	5	49.0	2	19.6	-	0	1	9.8	1	9.8	1	9.8	-	0	
Monroe	2,171	78	35.9	144	66.3	17	7.8	16	7.4	23	10.6	26	12.0	33	15.2	1	4.6	
Montcalm	699	39	55.8	40	57.2	18	25.8	6	8.6	9	12.9	9	12.9	17	24.3	-	0	
Montmorency	59	7	118.6	2	33.9	-	0	-	0	-	0	-	0	-	0	-	0	
Muskegon	3,026	344	113.7	204	67.4	29	9.6	26	8.6	46	15.2	52	17.2	68	22.5	-	0	
Newaygo	460	24	52.2	23	50.0	6	13.0	4	8.7	9	19.6	9	19.6	11	23.9	-	0	
Oakland	15,545	873	56.2	1,123	72.2	186	12.0	144	9.3	213	13.7	240	15.4	313	20.1	4	2.6	
Oceana	321	16	49.8	10	31.2	-	0	2	6.2	6	18.7	7	21.8	9	28.0	-	0	
Ogemaw	150	9	60.0	16	106.7	3	20.0	2	13.3	4	26.7	5	33.3	5	33.3	-	0	
Ontonagon	159	7	44.0	5	31.4	4	25.2	2	12.6	2	12.6	2	12.6	2	12.6	1	62.9	
Osceola	239	16	66.9	15	62.8	3	12.6	1	4.2	2	8.4	2	8.4	3	12.6	-	0	
Oscoda	64	1	15.6	6	93.8	-	0	1	15.6	1	15.6	1	15.6	2	31.3	-	0	
Otsego	188	11	58.5	11	58.5	4	21.3	2	10.6	3	16.0	3	16.0	4	21.3	-	0	
Ottawa	2,275	74	32.5	104	45.7	16	7.0	15	6.6	21	9.2	21	9.2	32	14.1	-	0	
Presque Isle	216	3	13.9	13	60.2	1	4.6	5	23.1	6	27.8	6	27.8	6	27.8	-	0	
Roscommon	104	7	67.3	7	67.3	-	0	-	0	-	0	-	0	-	0	-	0	
Saginaw	4,664	420</																

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: DEATHS BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION MICHIGAN, 1967

(Deaths exclusive of fetal deaths. Birth and death rates per 1,000 population. Place of residence according to rural areas and urban incorporated areas having a population of 2,500 or more.)

AREA	POPULATION ESTIMATES July 1, 1966	LIVE BIRTHS										DEATHS																			
		Occurrence					Residence					FETAL DEATHS					Residence														
		Number	Rate	Number	Rate	Sex	Male	Female	Nonwhite	Other	Twins	Plural Births	Number Born in Michigan	Place of Delivery	Physician	Hospital	Nonwhite	Other	Immature Births*	Number	Rate	Number	Rate	Nonwhite	Other	Under Day	Under Week	Under Year	Maternal		
STATE	8,615,000	161,623	18.8	162,756	18.9	83,574	79,182	41	22,357	678	3,473	64	162,132	542	82	13,403	12,849	2	2	3	2,195	8.7	75,360	8.7	7,736	123	1,655	2,498	2,714	3,595	52
ALCONA	5,400	9	1.7	74	13.7	33	41				2		66	8						3	45	8.3	80	14.8							
ALGER	8,300	90	10.8	122	14.7	59	63				2		121	1						4	81	9.8	106	12.8							
BALANCE OF COUNTY		90	10.8	122	14.7	59	63				2		121	1						4	81	9.8	106	12.8							
ALLEGAN	59,500	765	12.9	1,178	19.8	622	556	15	15	1	25		1,176	4						80	462	7.8	566	9.5	11						
ALLEGAN		324	0	83	43	20	23				2		43							5	145		59								
HOLLAND PT.			0	43	20	23					2		43							4	12		6								
OTSEGO			0	87	45	42					1		86	1						4	10		30								
PLAINFELL		302	69	69	69	41	28						69							7	112		36								
BALANCE OF COUNTY		139		896		467	429				22		893	3						14	193		435		10						
ALPENA	30,000	654	21.8	549	18.3	266	283				16		549							42	297	9.9	272	9.1							
ALPENA		654	21.8	549	18.3	266	283				16		549							42	297	9.9	272	9.1							
BALANCE OF COUNTY			0	295		141	155				8		296							15	252		155								
ANTRIM	10,200	1	0.1	208	20.4	97	111				2		207	1						3	87	8.5	150	14.7							
ARENAC	9,900	97	9.8	169	17.1	92	77						168	1						2	110	11.1	123	12.4							
BARAGA	7,900	164	20.8	136	17.2	70	66						136							9	122	15.4	110	13.9							
BARRY	30,400	444	14.6	626	20.6	321	305				10		621	4						50	269	8.8	334	11.0							
BALANCE OF COUNTY		441		626		321	305				10		621	4						50	269	8.8	334	11.0							
BAY CITY	114,100	2,322	20.4	2,287	20.0	1,180	1,107	20	20	1	63		2,284	1						25	979	8.6	1,013	8.9							
ESSEXVILLE		2,321	0	1,059	83	570	486	19	1		27		1,058							16	796		596		4						
BALANCE OF COUNTY		1		1,145		563	582	1			32		1,143	1						9	179		380								
BENZIE	8,100	127	15.7	144	17.8	69	75				2		141	3							93	11.5	108	13.3							
BERRIEN	166,500	3,377	20.3	3,362	20.2	1,726	1,636	647	12		61		3,347	13						45	1,560	9.4	1,602	9.6							
BENTON HARBOR		761	0	107	10.7	54	53				14		702	4						12	373		253		164						
BUCHANAN			0	102		54	48				2		100	2						9	10		59		71						
NILES		697		338		201	137	25	1		6		337	1						3	296		186		16						
ST. JOSEPH		929		283		143	140				10		283							10	17		131		1						
BALANCE OF COUNTY		990		1,932		974	958	255	7		29		1,925	6						25	672		973		72						
BRANCH	33,800	611	18.1	567	16.8	295	272				14		563	4						5	349	10.3	363	10.7							
COLDWATER		608		150		75	75						150							4	204		99								
BALANCE OF COUNTY		3		417		220	197				14		413							4	145		264								
CALHOUN	146,400	2,838	19.4	2,593	17.7	1,349	1,244	279	8		61		2,584	8						47	1,478	10.1	1,373	9.4							
ALBION		403		244		115	129				3		243	1						6	135		110		99						
BATTLE CREEK		1,814		909		491	418	186	3		16		905	3						21	814		617		15						
MARSHALL		270		127		63	64				2		126	1						1	98		81		81						
SPRINGFIELD			0	56		30	26				4		56							1	75		34		1						
BALANCE OF COUNTY		351		1,257		650	607	17	4		16		1,254	3						18	366		531		4						
CASS	36,200	227	6.3	605	16.7	303	302	75			6		601	3						9	274	7.6	429	11.9							
DOHAGIAC		226		123		55	64						123							38	135		132		75						
BALANCE OF COUNTY		1		476		238	238	44					474	2						5	139		337		63						
CHARLEVOIX	16,600	206	12.4	301	18.1	157	144				6		299	2						6	142	8.6	181	10.9							
BYCINE CITY			0	50		23	27						50							2	8		45		3						
CHARLEVOIX			0	59		31	28						59							2	3		45		3						
BALANCE OF COUNTY		206		192		103	89	2	3		6		190	2						2	131		91		1						
CHEBOYGAN	14,900	242	16.2	308	20.7	160	148				14		306	1						8	147	9.9	180	12.1							
CHEBOYGAN		241		120		66	54				2		119	1						4	112		69								
BALANCE OF COUNTY		1		188		94	94				12		187	1						4	35		111		1						
CHIPPENAW	32,400	730	22.5	734	22.7	356	378				14		731	2						14	286	8.8	301	9.3							
SAULT STE. MARIE		379		309		156	153				6		309							10	247		186		2						
BALANCE OF COUNTY		351		425		200	225	20	3		8		422	2						4	39		115		2						

PERINATAL
Fetal + 1st
divided by Total DX
+ FETAL

Infant
Under Week
Under Year

Nonwhite
Negro
Other

Residence

Number
Rate

Occurrence

FETAL DEATHS
Residence
Number

Immature Births*

Illegitimacy

Place of Delivery
Physician
Hospital
Nonwhite
Other

Twins
Plural Births

Number Born in Michigan

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE, LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE; FETAL DEATHS BY RESIDENCE; DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE. POPULATION (Continued)

AREA	POPULATION ESTIMATES July 1, 1966	LIVE BIRTHS										FETAL DEATHS		DEATHS																	
		Occurrence		Residence						Occurrence		Residence		Occurrence		Residence															
		Number	Rate	Male	Female	Sex	Non-white	Plurals	Twins	Triplets	Hospital	Physician	Non-Hospital	Other	Illig- imacy	Immature Births	Number	Rate	Number	Rate	Non-white	Negro	Other	Under 1 Day	Under 1 Week	Under 28 Days	Year	Maternal			
CLARE	13,200	221	16.7	241	18.3	136	105	-	-	3	-	-	-	241	1	16	1	164	12.4	191	14.5	-	-	2	4	5	9	-			
CLINTON	43,100	248	5.8	929	21.6	492	437	1	1	10	-	-	-	925	6	36	6	251	5.8	365	8.0	-	-	7	11	13	16	-			
ST. JOHNS	-	246	-	137	-	70	67	-	-	4	-	-	-	137	5	28	5	129	-	286	-	-	-	7	11	13	16	-			
BALANCE OF COUNTY	-	2	-	792	-	422	370	1	1	6	-	-	-	788	1	32	2	127	21.5	66	11.2	-	-	-	1	1	1	-	-		
CRAWFORD	5,900	197	33.4	106	18.0	57	49	-	3	2	-	-	-	105	2	9	2	338	10.0	384	11.4	-	-	4	6	9	9	-			
DELTA	33,800	551	16.3	544	16.1	299	245	-	10	4	-	-	-	541	-	27	-	257	-	172	-	-	-	4	6	9	9	-			
ESCANABA	-	550	-	290	-	156	134	-	2	2	-	-	-	288	-	12	-	26	-	172	-	-	-	1	1	1	1	-			
GLADSTONE	-	-	0	130	-	73	57	-	2	2	-	-	-	130	-	8	-	55	-	151	-	-	-	1	1	1	1	-			
BALANCE OF COUNTY	-	1	-	124	-	70	54	-	6	-	-	-	-	123	-	7	-	395	16.4	284	11.8	-	-	5	5	6	9	1			
DICKINSON	24,100	486	20.2	339	14.1	196	143	-	1	6	-	-	-	338	3	20	3	312	-	120	-	-	-	1	1	1	1	-			
IRON MOUNTAIN	-	360	-	119	-	71	48	-	-	-	-	-	-	119	1	5	1	7	-	58	-	-	-	1	1	1	1	-			
KINGSFORD	-	126	-	48	-	29	19	-	1	-	-	-	-	109	-	5	6	57	-	44	-	-	-	2	2	3	3	1			
BALANCE OF COUNTY	-	-	0	63	-	39	24	-	-	4	-	-	-	62	1	4	1	19	-	62	-	-	-	-	2	3	3	1			
EATON	59,100	579	9.8	1,110	18.8	536	574	2	1	22	-	-	-	1,107	12	66	12	364	6.2	498	8.4	-	-	8	13	14	20	-			
CHARLOTTE	-	351	-	196	-	90	106	-	-	4	-	-	-	196	-	15	3	23	-	106	-	-	-	1	2	2	2	-			
EATON RAPIDS	-	225	-	100	-	52	48	1	-	2	-	-	-	100	-	10	2	74	-	62	-	-	-	-	-	-	-	-			
GRAND LEDGE	-	-	0	151	-	70	81	-	-	-	-	-	-	151	-	8	10	10	-	49	-	-	-	-	-	-	-	-			
BALANCE OF COUNTY	-	3	-	663	-	324	339	1	1	16	-	-	-	660	6	34	7	74	-	283	-	-	-	5	6	6	11	-			
EMMET	17,300	548	31.7	293	16.9	162	131	-	11	2	-	-	-	292	6	24	6	329	19.0	211	12.2	-	-	1	13	4	6	5	-		
PETOSKEY	-	548	-	117	-	61	56	-	5	-	-	-	-	117	2	16	2	68	-	135	-	-	-	1	11	2	3	3	-		
BALANCE OF COUNTY	-	-	0	176	-	101	75	-	6	2	-	-	-	175	4	16	4	8	-	76	-	-	-	1	2	3	3	3	-		
GENESSEE	433,400	9,614	22.2	9,225	21.3	4,748	4,477	1	1,543	17	-	-	-	9,209	139	739	139	3,119	7.2	3,135	7.2	-	-	103	159	169	210	1	1		
DAVISON	-	-	0	252	-	136	116	-	-	4	-	-	-	252	-	22	2	61	-	19	-	-	-	-	2	2	2	2	-		
FENTON	-	-	0	213	-	97	116	-	-	-	-	-	-	213	-	22	2	61	-	70	-	-	-	-	2	3	3	3	-		
FLINT	-	9,502	-	4,791	-	2,408	2,353	1	1,416	13	-	-	-	4,782	85	445	85	2,661	-	1,829	-	-	-	58	90	96	118	1	1		
FLORENCE	-	-	0	446	-	235	211	-	-	10	-	-	-	446	-	9	2	29	-	42	-	-	-	1	1	1	1	2	-		
FLUSHING	-	-	0	202	-	112	90	-	-	7	-	-	-	202	-	28	5	2	-	39	-	-	-	2	4	4	4	3	-		
MOUNT MORRIS	-	-	0	202	-	112	90	-	-	1	-	-	-	202	-	15	2	1	-	29	-	-	-	3	5	6	6	7	-		
SWANSEA	-	-	0	202	-	112	90	-	-	3	-	-	-	202	-	204	4	363	-	1,107	-	-	-	13	56	60	78	-	-		
BALANCE OF COUNTY	-	111	-	3,118	-	1,582	1,536	105	3	65	6	-	-	3,112	5	1	4	114	10.8	135	12.7	-	-	1	2	2	5	-	-		
GLADWIN	10,600	110	10.4	208	19.6	98	110	-	1	6	-	-	-	207	3	12	3	328	15.8	298	14.3	-	-	3	2	5	7	-	-		
GOGEBIC	20,800	336	16.2	274	13.2	142	132	1	2	2	-	-	-	274	5	18	5	10	-	43	-	-	-	2	5	5	7	-	-		
BESSEMER	-	-	0	129	-	65	62	-	-	-	-	-	-	127	-	11	1	28	-	151	-	-	-	1	2	2	4	-	-		
IRONWOOD	-	177	-	46	-	26	20	-	-	-	-	-	-	46	-	3	2	124	-	27	-	-	-	2	2	2	4	-	-		
MAKINETO	-	159	-	73	-	35	38	1	2	2	-	-	-	73	-	3	2	166	-	77	-	-	-	-	3	3	3	-	-		
BALANCE OF COUNTY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GRAND TRAVERSE	39,600	1,005	25.4	664	16.8	345	319	1	4	22	-	-	-	663	7	47	7	715	18.1	359	9.1	-	-	3	2	9	15	17	22	-	
TRAVERSE CITY	-	1,005	-	337	-	172	165	1	1	16	-	-	-	337	-	34	3	665	-	195	-	-	-	1	2	7	12	14	18	-	
BALANCE OF COUNTY	-	-	0	327	-	173	154	1	2	6	-	-	-	327	4	13	4	50	-	164	-	-	-	2	2	3	3	4	-	-	
GRATIOT	38,700	749	19.4	805	20.8	416	389	1	1	24	-	-	-	798	8	54	8	431	11.1	390	10.1	-	-	1	1	1	1	1	2	-	
ALMA	-	743	-	162	-	85	77	-	-	5	-	-	-	161	1	37	2	295	-	94	-	-	-	-	1	1	2	4	-	-	
ALMA	-	2	-	52	-	26	26	-	-	2	-	-	-	50	2	3	2	5	-	36	-	-	-	-	1	1	2	4	-	-	
ST. LOUIS	-	-	0	61	-	31	30	-	-	-	-	-	-	60	1	2	2	37	-	218	-	-	-	-	1	1	1	1	2	-	
BALANCE OF COUNTY	-	4	-	530	-	274	256	1	1	17	-	-	-	527	2	40	5	94	-	218	-	-	-	9	9	10	15	-	-	-	
HILLSDALE	35,400	367	10.4	642	18.1	337	305	-	1	19	-	-	-	641	-	55	4	245	6.9	333	9.4	-	-	5	6	10	14	2	2	-	
HILLSDALE	-	366	-	121	-	59	62	-	-	-	-	-	-	121	8	47	1	132	-	71	-	-	-	5	6	9	13	2	-	-	
BALANCE OF COUNTY	-	1	-	521	-	278	243	-	-	16	-	-	-	520	-	27	9	113	-	262	-	-	-	5	6	9	13	2	-	-	
HOUGHTON	33,300	541	16.2	518	15.6	272	246	1	-	10	-	-	-	517	1	27	9	483	14.5	523	15.7	-	-	1	2	6	6	12	-	-	
HOUGHTON	-	322	-	84	-	41	43	-	-	3	-	-	-	84	4	4	3	235	-	47	-	-	-	1	1	2	2	4	-	-	
HOUGHTON	-	-	0	99	-	59	40	-	-	-	-	-	-	99	-	2	2	174	-	47	-	-	-	1	1	1	1	2	-	-	
LAUREL	-	218	-	52	-	24	28	-	-	-	-	-	-	52	-	19	5	65	-	347	-	-	-	-	3	3	6	-	-	-	
BALANCE OF COUNTY	-	1	-	283	-	148	135	-	-	7	-	-	-	282	1	6	5	65	-	347	-	-	-	-	-	3	3	6	-	-	-
HURON	34,400	564	16.4	610	17.7	364	306	-	-	5	-	-	-	607	3	30	11	338	9.8	396	11.5	-	-	11	14	16	19	2	2	-	-
BAD AXE	-	268	-</																												

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: FETAL DEATHS BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION (Continued)

AREA	POPULATION ESTIMATES			LIVE BIRTHS										FETAL DEATHS			DEATHS												
	July 1, 1946	Occurrence		Residence							Occurrence		Residence		Occurrence		Residence		Occurrence					Residence					
		Number	Rate	Number	Male	Female	Non-white	Twins	Plural Births	Hospital Plurals	Place of Delivery	Non-Hospital Plurals	Other	Immature Births *	Number	Rate	Number	Non-white	Other	Number	Rate	Number	Non-white	Other	Under 1 Day	Under 1 Week	Under 28 Days	Under 1 Year	Maternal
MANISTEE	19,500	317	16.3	308	15.8	159	149	—	1	10	—	308	—	—	18	14	257	13.2	271	13.9	2	2	2	2	2	3	6	—	
MANISTEE	—	221	—	146	—	8	8	—	—	—	—	146	—	—	8	7	—	—	103	—	2	2	1	1	1	1	2	—	
BALANCE OF COUNTY	—	96	—	162	—	81	81	—	1	6	—	162	—	—	10	7	138	—	168	—	2	2	1	1	1	2	4	—	
MARQUETTE	61,500	1,248	20.3	1,202	19.5	634	568	27	10	17	—	1,198	3	1	43	81	602	9.8	592	9.6	2	1	16	22	23	32	—	—	
SPRING LAKE	—	328	—	177	—	96	81	—	6	—	—	177	—	—	6	12	2	—	206	—	—	—	3	3	3	3	5	—	
SPRING LAKE	—	586	—	367	—	181	186	—	1	3	4	366	—	—	19	21	1	—	266	—	—	—	4	6	7	9	—	—	
NEGAUNEE	—	1	—	104	—	73	31	—	3	—	—	103	—	—	10	4	1	—	76	—	—	—	1	1	1	1	—	—	
BALANCE OF COUNTY	—	333	—	554	—	284	270	26	6	4	—	552	2	—	8	44	5	—	201	—	—	—	8	12	12	17	—	—	
MASON	21,900	296	13.5	313	14.3	157	156	1	—	6	—	312	—	—	19	19	3	236	10.8	266	12.1	—	1	2	2	2	—	—	
MASON	—	296	—	145	—	16	16	—	—	—	—	144	—	—	11	9	—	—	191	—	125	—	—	1	1	1	—	—	
LUDINGTON	—	—	0	145	—	81	87	1	—	2	—	168	—	—	8	9	3	45	—	141	—	—	—	—	—	—	—	—	
BALANCE OF COUNTY	—	—	—	168	—	81	87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
NECOSTA	23,500	423	18.0	467	19.9	238	229	10	1	6	—	465	2	—	23	25	1	186	7.9	226	9.6	4	—	4	4	4	4	—	—
BIG RAPIDS	—	353	—	175	—	92	83	2	—	—	—	174	—	—	7	9	1	96	—	61	—	—	2	2	2	2	—	—	
BALANCE OF COUNTY	—	70	—	292	—	146	146	8	1	4	—	291	1	—	16	16	—	90	—	165	—	—	—	—	—	—	—	—	
MENOMINEE	23,400	483	20.6	385	16.5	201	184	—	4	16	—	383	2	—	6	32	10	310	13.2	290	12.4	—	—	3	5	5	8	—	—
MENOMINEE	—	482	—	230	—	117	113	—	3	8	—	229	1	—	—	20	6	225	—	160	—	—	—	2	3	3	3	—	—
BALANCE OF COUNTY	—	1	—	155	—	84	71	—	—	—	—	154	—	—	—	12	4	85	—	130	—	—	—	1	2	2	5	—	—
MIDLAND	59,300	1,360	22.9	1,256	21.2	680	576	1	14	24	—	1,250	5	1	48	61	17	303	5.1	344	5.8	1	1	11	18	19	20	1	—
MIDLAND	—	1,360	—	711	—	376	342	1	13	18	—	713	4	1	24	35	11	244	—	157	—	—	—	4	9	10	10	1	—
BALANCE OF COUNTY	—	—	0	538	—	304	234	—	1	2	—	537	1	—	24	26	6	59	—	187	—	—	—	7	9	10	1	—	—
MISSAUKIE	6,200	—	0	102	16.5	57	45	—	—	—	—	102	—	—	4	5	2	21	3.4	78	12.6	—	—	—	1	1	1	—	—
MONROE	112,000	1,311	11.7	2,171	19.4	1,137	1,034	37	7	52	3	2,166	5	—	78	144	17	574	5.1	832	7.4	22	—	16	23	26	33	1	—
MILAN PT.	—	—	0	22	—	11	11	4	—	—	—	22	—	—	1	—	—	2	—	20	—	—	—	—	—	—	—	—	—
MONROE	—	732	—	644	—	350	294	18	2	20	3	613	1	—	37	41	6	266	—	237	—	8	—	2	4	5	7	—	—
BALANCE OF COUNTY	—	579	—	1,505	—	776	729	15	5	30	—	1,501	4	—	40	102	11	306	—	585	—	12	—	14	19	21	26	1	—
MUSKEGON	41,000	1,249	30.5	699	17.0	358	341	2	1	13	—	695	4	—	39	40	18	473	11.5	454	11.1	1	—	6	9	9	17	—	—
MUSKEGON	—	1,249	—	444	—	69	82	—	—	—	—	151	—	—	16	6	5	104	—	80	—	—	—	2	4	4	11	—	—
BALANCE OF COUNTY	—	805	—	548	—	289	259	2	1	13	—	544	4	—	23	34	13	369	—	374	—	1	—	4	5	5	11	—	—
MONTMORENCY	4,400	3	0.7	59	13.4	31	28	—	—	—	—	56	1	2	7	2	—	27	6.1	63	14.3	—	—	—	—	—	—	—	—
MUSKEGON	154,800	2,948	19.0	3,026	19.5	1,537	1,489	460	2	50	1	3,020	3	3	344	204	29	1,299	8.4	1,359	8.8	111	2	26	46	52	68	—	—
MUSKEGON	—	2,947	—	1,459	—	726	733	21	2	28	3	1,456	2	1	197	104	16	965	—	553	—	55	—	7	17	20	24	—	—
MUSKEGON HEIGHTS	—	1	—	403	—	239	184	198	—	—	—	401	1	1	34	34	4	82	—	179	—	43	1	3	6	8	—	—	—
NORTH MUSKEGON	—	—	0	20	—	13	7	—	—	—	—	77	—	—	3	1	—	30	—	47	—	—	—	1	1	1	—	—	—
ROOSEVELT PARK	—	—	0	20	—	13	7	—	—	—	—	—	—	—	1	1	1	20	—	20	—	—	—	1	1	1	—	—	—
WHITEHALL	—	—	0	75	—	31	44	—	—	4	—	75	—	—	4	8	—	14	—	35	—	—	—	1	1	1	—	—	—
BALANCE OF COUNTY	—	—	0	992	—	523	469	29	—	12	—	991	—	—	5	54	4	188	—	525	—	13	1	14	21	24	34	—	—
NEWAYGO	25,500	487	19.1	460	18.0	243	217	8	—	3	—	457	2	1	24	23	6	279	10.9	284	11.1	13	—	4	9	9	11	—	—
FREMONT	—	378	—	80	—	45	35	—	—	—	—	80	—	—	4	4	3	125	—	37	—	—	—	—	—	—	—	—	—
BALANCE OF COUNTY	—	109	—	380	—	198	182	8	—	3	—	377	2	1	20	20	5	154	—	247	—	13	—	4	9	9	11	—	—
OAKLAND	838,500	15,533	18.5	15,545	18.5	7,957	7,589	717	57	364	—	15,513	27	5	873	1,123	186	5,330	6.4	5,458	6.5	228	2	144	213	240	313	4	—
BEVERLY HILLS	—	—	0	54	—	205	179	—	—	10	—	384	—	—	9	31	1	15	—	149	—	—	—	2	2	3	4	—	—
BEVERLY HILLS	—	1	—	19	—	10	9	—	—	—	—	18	1	—	—	—	—	34	—	40	—	—	—	—	—	—	—	—	—
DIXINGHAM	—	—	0	680	—	330	350	—	3	26	—	680	—	—	28	55	8	29	—	305	—	—	—	7	7	8	12	2	—
DIXINGHAM	—	—	0	347	—	179	168	—	—	6	—	347	—	—	16	22	—	4	12	—	—	—	1	2	3	5	—	—	—
FARMINGTON	—	—	0	704	—	379	325	2	2	17	—	701	3	—	34	45	2	74	—	280	—	—	—	4	8	10	13	1	—
FARMINGTON	—	—	0	645	—	346	299	88	2	10	—	645	—	—	52	38	6	24	—	178	—	—	—	4	1	1	1	—	—
FERNDALE	—	249	—	479	—	252	227	—	3	20	—	479	—	—	18	15	1	19	—	54	—	—	—	3	6	6	6	—	—
HAZEL PARK	—	—	0	155	—	81	74	—	—	6	—	177	—	—	2	6	—	10	—	29	—	—	—	1	1	1	1	—	—
HOLLY	—	—	0	77	—	38	24	—	—	—	—	77	—	—	8	5	3	3	—	29	—	—	—	3	3	3	3	—	—
HUNTINGTON WOODS	—	—	0	123	—	63	58	—	—	4	—	121	—	—	—	—	—	12	—	40	—	—	—	—	—	—	—	—	—
KEEOG HARBOR	—	—	0	38	—	23	15	—	—	5	—	38	—	—	8	7	1	6	—	147	—	—	—	6	8	10	11	—	—
LAKE ORION	—	—	0	883	—	446	437	—	8	24	—	882	1	—	39	58	11	310	—	147	—	—	—	—	—	—	—	—	—
LATHROP VILLAGE	—	919	—	138	—	71	67	—	—	6	—	138	—	—	6	13	5	7	—	12	—	—	—	4	5	5	5	—	—
MAJISON HEIGHTS	—	—	0	48	—	25	23	—	—	4	—	48	—	—	3	3	2	29	—	34	—	—	—	—	—	—	—	—	—
NORTHVILLE PT.	—	—	0	81	—	294	281	—	—	12	—	81	—	—	13	36	7	18	—	231	—	—	—	6	8	9	11	1	—
NOVI	—	—	0	575	—	21	25	—	—	44	—	575	—	—	4	3	—	4	—	28	—	—	—	—	—	—	—	—	—
OAK PARK	—	—	0	46	—	1,256	1,262	602	6	44	—	2,451	7	2	284	222	45	2,052	—	821	—	176	—	27	39	44	63	—	—
PLEASANT RIDGE	—	1	—	2,460	—	1,261	1,261	—	—	10	—	318	—	—	14	16	4	8	—	70	—	—	—	1	2				

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: FETAL DEATHS BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION (Continued)

AREA	POPULATION ESTIMATES			LIVE BIRTHS												FETAL DEATHS		DEATHS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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	July 1, 1966			Occurrence			Sex			Nonwhite			Number Born in			Place of Delivery			Immature Births		Occurrence			Number			Rate			Nonwhite			Under 1			Under 28			Under 1 Year			Maternal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Number	Rate	Ratio	Male	Female	Negro	Other	Twins	Plurals	Hospital	Physician	Non-Hospital	Physician	Other	Illegitimacy	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate	Ratio	Negro	Other	Under 1	Under 28	Under 1 Year	Number	Rate

* Defined by the World Health Organization for statistical purposes as all infants weighing 5 lb. 8 oz. (2,500 grams) or less.

Source of Population Estimates: State and County - Michigan Center for Health Statistics, July 1 estimates.

TABLE 12 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM
MICHIGAN, 1967

AGE (YEARS)	BRIDE						GROOM					
	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	84,363	64,849	15,264	3,510	704	36	84,363	64,619	15,955	3,157	600	32
Under 15	54	53	-	-	-	1	-	-	-	-	-	-
15 - 19	32,118	31,588	503	5	-	22	16,506	16,429	62	-	-	15
20 - 24	30,733	27,395	3,127	198	9	4	36,212	34,269	1,873	54	5	11
25 - 29	7,291	3,818	3,016	409	44	4	12,851	9,480	3,099	250	19	3
30 - 34	3,472	905	2,019	459	88	1	5,004	2,154	2,433	380	36	1
35 - 39	2,732	451	1,646	504	130	1	3,503	950	2,028	458	67	-
40 - 44	2,384	241	1,495	530	117	1	2,938	592	1,760	479	106	1
45 - 49	1,903	173	1,149	454	126	1	2,127	307	1,326	399	95	-
50 - 54	1,352	92	854	338	68	-	1,633	181	1,016	360	76	-
55 - 59	970	65	606	249	50	-	1,275	104	822	285	64	-
60 - 64	616	38	389	154	34	1	959	71	625	209	54	-
65 - 69	419	15	257	124	23	-	615	47	408	138	22	-
70 & Over	305	7	198	85	15	-	730	31	499	144	55	1
Not stated	14	8	5	1	-	-	10	4	4	1	1	-

TABLE 13 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM
MICHIGAN, 1967

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	84,363	100
Both bride and groom resident of State	74,652	88.5
Bride resident, groom nonresident of State	3,467	4.1
Groom resident, bride nonresident of State	968	1.1
Both bride and groom nonresident of State	5,276	6.3
Residence status of either or both not stated	-	0

TABLE 15 - DIVORCES AND ANNULMENTS BY LEGAL GROUNDS FOR DECREE
MICHIGAN, 1967

LEGAL GROUNDS FOR DECREE	NUMBER	PERCENT
TOTAL	23,620	100
Cruelty	22,486	95.2
Desertion	472	2.0
Fraud	169	0.7
Nonsupport	146	0.6
Bigamy	25	0.1
Drunkenness	17	0.1
Adultery	16	0.1
Conviction of Crime	13	0.1
Other Causes	31	0.1
Not Stated	245	1.0

TABLE 16 - DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE
MICHIGAN, 1967

DURATION (YEARS)	NUMBER	PERCENT
TOTAL	23,620	100
Under 1 year	320	1.4
1 - 4	7,416	31.4
5 - 9	5,755	24.4
10 - 14	3,762	15.9
15 - 19	2,562	10.8
20 - 24	2,047	8.7
25 - 29	967	4.1
30 - 34	457	1.9
35 - 39	177	0.8
40 - 44	75	0.3
45 - 49	33	0.1
50 & over	9	0.0
Not stated	40	0.2

TABLE 17 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE
MICHIGAN, 1967

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	23,620	282	23,338	2,012	5,766	17,507	9,277	4,986	4,147	2,558	1,321	1,049	-	
Alcona	11	1	10	-	4	6	5	2	2	1	-	-	-	
Alger	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allegan	135	1	134	55	28	105	43	31	23	22	7	8	-	
Alpena	38	-	38	14	6	32	12	2	9	7	5	3	-	
Antrim	34	1	33	1	8	25	14	5	8	5	1	-	-	
Arenac	27	1	26	-	8	18	12	5	3	3	1	2	-	
Baraga	17	-	17	-	7	10	7	4	-	4	1	1	-	
Barry	118	-	118	13	23	92	49	22	25	12	8	2	-	
Bay	287	7	280	41	50	230	90	70	48	36	18	18	-	
Benzie	15	-	15	4	10	5	8	1	1	2	3	-	-	
Berrien	477	2	475	19	111	363	171	113	107	46	21	17	-	
Branch	101	-	101	21	30	71	37	22	27	5	7	3	-	
Calhoun	557	4	553	156	156	396	203	108	109	68	32	33	-	
Cass	130	-	130	33	35	94	55	27	23	14	5	6	-	
Charlevoix	33	1	32	13	9	23	8	9	7	4	3	1	-	
Cheboygan	29	-	29	5	5	24	7	7	3	3	5	4	-	
Chippewa	76	-	76	1	26	50	24	19	15	8	4	6	-	
Clare	29	-	29	2	9	20	13	5	3	2	2	4	-	
Clinton	69	-	69	22	15	54	25	13	12	9	3	7	-	
Crawford	15	-	15	-	9	6	5	5	-	2	-	3	-	
Delta	57	-	57	-	9	48	14	17	6	12	4	4	-	
Dickinson	42	1	41	3	8	33	14	6	8	4	3	6	-	
Eaton	121	-	121	29	30	91	38	29	24	14	7	9	-	
Emmet	53	-	53	7	8	42	20	14	7	5	5	2	-	
Genesee	1,427	8	1,419	130	411	1,008	562	310	227	151	92	77	-	
Gladwin	11	-	11	2	2	9	6	2	2	1	-	-	-	
Gogebic	26	-	26	12	5	21	8	4	4	4	1	1	-	
Grand Traverse	106	3	103	6	26	77	35	23	17	16	6	6	-	
Gratiot	69	-	69	-	20	48	18	16	12	13	2	8	-	
Hillsdale	101	1	100	13	30	70	36	18	25	12	6	3	-	
Houghton	60	2	58	12	10	48	24	8	17	7	1	1	-	
Huron	43	-	43	12	7	36	13	12	3	9	2	4	-	
Ingham	835	11	824	152	183	641	306	189	152	88	52	37	-	
Ionia	115	1	114	2	29	85	35	20	24	11	13	11	-	
Iosco	33	-	33	1	8	21	17	5	5	3	2	1	-	
Iron	35	-	35	3	9	25	10	4	12	4	3	2	-	
Isabella	57	1	56	-	14	42	18	14	7	10	4	3	-	
Jackson	518	1	517	11	114	403	198	127	80	60	30	22	-	
Kalamazoo	593	9	584	7	136	447	207	145	111	70	25	26	-	
Kalkaska	4	-	4	-	-	4	2	-	1	-	1	-	-	
Kent	1,161	15	1,146	42	224	922	440	236	188	135	77	70	-	
Keweenaw	1	-	1	-	1	-	-	1	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lapeer	114	1	113	31	25	88	39	25	25	14	6	4	-	
Leelanau	22	-	22	4	8	14	6	3	5	3	2	3	-	
Lenawee	259	3	256	133	57	198	91	63	49	35	8	10	-	
Livingston	130	-	130	3	37	93	53	28	25	14	5	5	-	
Luce	13	-	13	-	2	11	5	1	2	-	3	2	-	
Mackinac	22	-	22	-	7	15	5	4	6	4	3	-	-	
Macomb	1,029	24	1,005	3	201	804	340	203	227	120	68	47	-	
Manistee	27	-	27	6	5	22	7	6	9	-	4	1	-	
Marquette	114	2	112	4	32	80	30	20	26	18	13	5	-	
Mason	46	-	46	3	17	28	16	9	14	5	2	-	-	
Mecosta	48	1	47	13	15	32	25	8	4	5	1	4	-	
Menominee	23	-	23	7	3	19	8	1	4	6	1	3	-	
Midland	145	-	145	28	30	114	59	31	25	13	8	9	-	
Missaukee	7	-	7	1	2	5	4	1	-	1	-	1	-	
Monroe	245	4	241	20	50	190	80	53	51	27	12	18	-	
Montcalm	108	-	108	25	29	78	45	25	15	10	8	5	-	
Montmorency	9	-	9	-	1	8	6	2	1	-	-	-	-	
Muskegon	444	5	439	-	109	330	170	91	83	46	32	17	-	
Newaygo	67	-	67	-	16	51	26	10	20	4	4	3	-	
Oakland	2,541	34	2,507	106	506	2,000	960	536	468	295	145	103	-	
Oceana	48	1	47	12	13	33	20	9	7	4	3	4	-	
Ogemaw	13	-	13	-	5	8	4	3	1	1	2	2	-	
Ontonagon	9	-	9	1	3	6	-	-	4	2	2	1	-	
Osceola	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oscoda	8	-	8	3	2	6	3	3	-	1	1	-	-	
Otsego	18	-	18	1	5	13	10	4	-	3	1	-	-	
Ottawa	213	3	210	10	48	162	207	1	-	1	1	-	-	
Presque Isle	15	-	15	-	3	12	5	4	1	3	-	2	-	
Roscommon	18	-	18	2	6	12	8	-	7	2	-	1	-	
Saginaw	511	8	503	86	116	385	165	117	92	65	40	24	-	
St. Clair	299	-	299	16	72	226	110	68	58	28	21	14	-	
St. Joseph	123	-	123	51	37	86	48	14	27	18	9	7	-	
Sanilac	48	-	48	14	14	34	15	9	14	6	-	4	-	
Schoolcraft	12	-	12	-	5	6	2	2	2	4	2	-	-	
Shiawassee	166	2	164	14	33	131	48	44	31	20	15	6	-	
Tuscola	82	-	82	14	27	54	22	14	15	15	10	6	-	
Van Buren	136	-	136	4	38	96	56	29	28	13	6	4	-	
Washtenaw	686	11	675	124	137	533	293	135	133	61	25	28	-	
Wayne	8,072	112	7,960	429	2,202	5,730	3,453	1,723	1,301	802	393	288	-	
Wexford	64	-	64	-	15	49	24	13	10	7	3	7	-	

1968
Per-Vision Edmund
Dr. Henderson Radke
only 35% children
born blind - 10 times
more sight impairment
due eye-or-visual
problems (35)