

MICHIGAN HEALTH

Statistics
1954

MICHIGAN DEPARTMENT OF HEALTH

MICHIGAN
HEALTH STATISTICS

ANNUAL STATISTICAL REPORT

1954



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



MICHIGAN DEPARTMENT OF HEALTH

ALBERT E. HEUSTIS M.D., State Health Commissioner

LANSING 4, MICHIGAN
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Honorable G. Mennen Williams
Governor of Michigan
Lansing, Michigan

Dear Governor Williams:

I have the honor to submit to you our annual
statistical report for the calendar year 1954. This is
in compliance with Compilers Section 24.9, C. L. 1948.

Very respectfully yours,

Albert E. Heustis, M.D.
State Health Commissioner

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SYMBOLS USED IN THIS REPORT

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

INTRODUCTION

This report contains health statistics concerning communicable diseases, births, deaths, fetal deaths, marriages, and divorces in Michigan during 1954 and previous years. The first four tables in this report include information pertaining to the years 1900-1954; the remaining tables contain only 1954 statistics.

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

1) Incomplete Registration and Delay in Filing:

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

2) Population Trend:

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

3) Residence Allocation:

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

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

4) Changes in Classification of Causes of Death:

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

5) Perinatal Mortality Rates:

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

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

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

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

MICHIGAN'S RECORD HEALTH EVENTS

1954

Population

7,024,000

*Now over 7,000,000
Ranks 7th among the states*

Births

**192,104
273 per 1,000 population**

*Both (number & rate)
highest ever recorded*

Deaths

**8.6
per 1,000 population**

Lowest ever recorded

**Infant
Deaths**

**25.0
per 1,000 live births**

All time low

Fetal Deaths

**16.9
per 1,000 live births**

Another all time low

Vital Index

**316 births
per 100 deaths**

Tops all previous records

**Tuberculosis
Deaths**

**7.5 per
100,000 population**

*Accelerated decline } since
62% decrease in rate } 1950*

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 - 1954

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

N U M B E R

Year	Population	L I V E B I R T H S		D E A T H S							M a r r i a g e s	D i v o r c e s
		Total	Illegit- imate	All Ages	Under 1 Yr	Under 28 Days	Peri- natal	Due to Immaturity	Fetal	Maternal		
1900	2,420,982	43,699	332	32,453	6,866			620	1,325	452	23,295	2,435
1901	2,459,901	43,221	365	32,834	6,319			524	1,501	531	24,079	2,448
1902	2,498,820	45,546	383	31,472	5,949			608	1,793	468	25,653	2,828
1903	2,537,739	46,020	490	33,176	6,488			542	1,814	427	26,029	2,945
1904	2,576,658	47,508	562	34,494	6,419			632	1,911	436	24,918	2,808
1905	2,615,578	46,976	444	34,679	7,054			751	2,044	416	26,307	2,825
1906	2,654,497	58,599	1,090	37,033	7,952			830	2,358	400	27,519	3,192
1907	2,693,416	59,029	1,041	36,701	6,906			855	2,358	391	27,940	3,107
1908	2,732,335	64,772	888	36,761	7,697			975	2,694	440	25,765	3,020
1909	2,771,254	64,323	1,068	36,313	7,443			1,152	2,540	405	27,353	3,516
1910	2,810,173	64,109	1,054	39,913	7,998			2,050	2,559	431	29,039	3,716
1911	2,895,997	65,756	1,083	38,007	7,131			2,223	2,716	451	29,859	4,125
1912	2,981,021	69,537	1,222	36,804	6,985			2,340	2,906	396	31,694	3,838
1913	3,067,645	73,058	1,227	40,827	7,659			2,480	2,953	528	33,529	3,978
1914	3,153,469	76,761	1,192	39,906	7,431			2,391	3,113	507	35,316	4,395
1915	3,239,293	81,100	1,363	40,441	6,943			2,207	3,357	488	35,527	4,757
1916	3,325,116	87,062	1,351	46,047	8,415			2,498	3,689	503	40,143	5,540
1917	3,410,940	89,419	1,101	47,236	7,916			2,369	3,550	586	42,791	5,627
1918	3,496,764	91,261	1,142	54,617	8,197			2,362	3,686	709	33,260	5,493
1919	3,582,588	84,062	1,002	45,636	7,560			2,183	3,361	578	45,579	7,469
1920	3,668,412	92,245	1,445	51,982	8,587			2,512	3,770	795	50,805	8,679
1921	3,785,799	96,035	1,346	44,186	7,584			2,481	3,669	605	41,508	7,676
1922	3,903,186	90,042	1,180	43,817	6,730			1,793	3,779	551	43,561	7,591
1923	4,020,573	92,956	1,210	49,333	7,477			1,911	3,657	583	49,569	8,745
1924	4,137,960	98,187	1,443	47,304	7,088	4,119	6,791	1,970	3,703	636	49,788	9,400
1925	4,255,347	98,983	1,258	49,417	7,498	4,022	6,667	1,987	3,670	629	46,276	9,650
1926	4,372,734	98,289	1,669	54,080	7,620	4,054	6,773	1,986	3,816	631	39,788	9,795
1927	4,490,121	99,940	1,872	50,600	6,766	3,915	6,794	1,911	3,834	667	36,276	10,617
1928	4,607,508	97,462	1,853	54,755	6,806	3,739	6,594	1,846	3,701	603	37,300	10,615
1929	4,724,895	98,695	1,632	56,117	6,605	3,777	6,613	1,853	3,710	617	36,816	12,094
1930	4,842,325	98,882	1,600	51,561	6,213	3,624	6,518	1,805	3,714	597	29,482	10,639
1931	4,383,703	90,547	1,633	49,068	5,187	3,084	5,643	1,473	3,220	539	28,856	9,507
1932	4,925,081	85,254	1,697	49,569	4,630	2,798	5,210	1,372	2,980	493	28,552	7,889
1933	4,966,459	80,482	2,041	48,507	4,094	2,591	4,906	1,364	2,776	447	33,132	7,671
1934	5,007,837	83,944	2,124	50,440	4,377	2,717	4,781	1,419	2,607	450	43,241	10,124
1935	5,049,216	87,403	2,194	51,051	4,170	2,550	4,832	1,389	2,717	438	45,313	10,844
1936	5,090,594	88,457	2,157	54,777	4,479	2,647	4,726	1,395	2,625	425	47,023	11,419
1937	5,131,972	91,566	2,234	53,468	4,374	2,700	4,919	1,415	2,707	326	47,954	12,472
1938	5,173,350	96,962	2,331	50,678	4,319	2,734	4,984	1,484	2,732	345	30,105	10,646
1939	5,214,728	94,432	2,217	52,017	3,952	2,594	4,706	1,396	2,572	280	37,725	11,589
1940	5,256,106	99,106	2,280	52,092	4,022	2,629	4,749	1,298	2,602	292	46,342	12,054
1941	5,437,546	107,498	2,370	52,671	4,166	2,687	4,991	1,353	2,769	298	50,989	13,317
1942	5,538,857	124,068	2,532	52,738	4,606	3,091	5,581	1,575	3,067	260	51,582	14,085
1943	5,377,329	125,441	2,569	56,774	4,804	2,979	5,563	1,488	3,213	237	44,385	15,259
1944	5,377,329	113,586	3,115	54,016	4,326	2,784	5,140	1,412	2,874	198	41,678	18,356
1945	5,435,092	111,557	3,485	53,641	4,008	2,670	4,906	1,339	2,703	166	48,329	21,133
1946	5,708,415	138,572	3,908	54,856	4,541	3,323	5,978	1,735	3,168	163	78,808	29,158
1947	6,069,000	160,275	4,311	56,807	5,055	3,677	6,583	1,953	3,422	173	71,319	21,386
1948	6,195,000	153,726	4,310	56,520	4,617	3,352	5,968	1,820	3,132	120	61,986	16,017
1949	6,352,000	156,469	3,953	57,107	4,520	3,232	5,746	1,795	2,994	105	53,109	16,274
1950	6,371,766	160,055	4,425	57,567	4,214	3,043	5,781	1,096	3,095	91	58,180	15,979
1951	6,545,000	172,451	4,367	59,181	4,505	3,296	6,088	1,232	3,158	94	53,411	15,446
1952	6,708,000	177,835	4,513	59,138	4,689	3,414	6,266	1,256	3,224	82	50,487	14,925
1953	6,852,000	182,968	4,770	62,087	4,728	3,389	6,188	1,114	3,180	79	53,308	16,537
1954	7,024,000	192,104	5,610	60,706	4,795	3,560	6,415	1,298	3,249	94	51,243	16,281

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

TABLE 1B - LIVE BIRTH RATES - TOTAL AND ILLEGITIMATE; DEATH RATES - ALL AGES, INFANT, NEONATAL, PERINATAL, FETAL, MATERNAL AND DEATH RATES DUE TO IMMATURITY; MARRIAGE AND DIVORCE RATES
MICHIGAN, 1900 - 1954

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

Year	RATE										
	LIVE BIRTHS		DEATHS						PERSONS		
	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	13.6	96.7			28.7	42.4	57.8	24.1	3.3
1917	26.2	12.3	13.8	88.5			26.5	39.7	65.5	25.1	3.3
1918	26.1	12.5	15.6	89.8			25.9	40.4	77.7	19.0	3.1
1919	23.5	11.9	12.7	89.9			26.0	40.0	68.8	25.4	4.2
1920	25.1	15.7	14.2	93.1			27.2	40.9	86.2	27.7	4.7
1921	25.4	14.0	11.7	79.0			25.8	38.2	63.0	21.9	4.1
1922	23.1	13.1	11.2	74.7			19.9	42.0	61.2	22.3	3.9
1923	23.1	13.0	12.3	80.4			20.6	39.3	62.7	24.7	4.4
1924	23.7	14.7	11.4	72.2	41.9	66.7	20.1	37.7	64.8	24.1	4.5
1925	23.3	12.7	11.6	75.7	40.6	64.9	20.1	37.1	63.5	21.7	4.5
1926	22.5	17.0	12.4	77.5	41.2	66.3	20.2	38.8	64.2	18.7	4.5
1927	22.3	18.7	11.3	67.7	39.2	65.5	19.1	38.4	66.7	16.2	4.7
1928	21.2	19.0	11.9	69.8	38.4	65.2	18.9	38.0	61.9	16.2	4.6
1929	20.9	16.5	11.9	66.9	38.3	64.6	18.8	37.6	62.5	15.6	5.1
1930	20.4	16.2	10.6	62.8	36.6	63.5	18.3	37.6	60.4	12.2	4.4
1931	18.5	18.0	10.1	57.3	34.1	60.2	16.3	35.6	59.5	11.8	3.9
1932	17.3	19.9	10.1	54.3	32.8	59.0	16.1	35.0	57.8	11.6	3.2
1933	16.2	25.4	9.8	50.9	32.2	58.9	16.9	34.5	55.5	13.3	3.1
1934	16.8	25.3	10.1	52.1	32.4	55.2	16.9	31.1	53.6	17.3	4.0
1935	17.3	25.1	10.1	47.7	29.2	53.6	15.9	31.1	50.1	17.9	4.3
1936	17.4	24.4	10.8	50.6	29.9	51.9	15.8	29.7	48.0	18.5	4.5
1937	17.8	24.4	10.4	47.8	29.5	52.2	15.5	29.6	35.6	18.7	4.9
1938	18.7	24.0	9.8	44.5	28.2	50.0	15.3	28.2	35.6	11.6	4.1
1939	18.1	23.5	10.0	41.8	27.5	48.5	14.8	27.2	29.6	14.5	4.4
1940	18.9	23.0	9.9	40.6	26.5	46.7	13.1	26.3	29.5	17.6	4.6
1941	19.8	22.0	9.7	38.8	25.0	45.3	12.6	25.8	27.7	18.8	4.9
1942	22.4	20.4	9.5	37.1	24.9	43.9	12.7	24.7	21.0	18.6	5.1
1943	23.3	20.5	10.6	38.3	23.7	43.2	11.9	25.6	18.9	16.5	5.7
1944	21.1	27.4	10.0	38.1	24.5	44.1	12.4	25.3	17.4	15.5	6.8
1945	20.5	31.2	9.9	35.9	23.9	42.9	12.0	24.2	14.9	17.8	7.8
1946	24.3	28.2	9.6	32.8	24.0	42.2	12.5	22.9	11.8	27.6	10.2
1947	26.4	26.9	9.4	31.5	22.9	40.2	12.2	21.4	10.8	23.5	7.1
1948	24.8	28.0	9.1	30.0	21.8	38.0	11.8	20.4	7.8	20.0	5.2
1949	24.6	25.3	9.0	28.9	20.7	36.0	11.5	19.1	6.7	16.7	5.1
1950	25.1	27.6	9.0	26.3	19.0	35.4	6.8	19.3	5.7	18.3	5.0
1951	26.3	25.3	9.0	26.1	19.1	34.7	7.1	18.3	5.5	16.3	4.7
1952	26.5	25.4	8.8	26.4	19.2	34.6	7.1	18.1	4.6	15.1	4.4
1953	26.7	26.1	9.1	25.8	18.5	33.2	6.1	17.4	4.3	15.6	4.8
1954	27.3	29.2	8.6	25.0	18.5	32.8	6.8	16.9	4.9	14.6	4.6

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

MICHIGAN

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1954
RELATED
TO
1953

INCREASES

	<u>1953</u>	<u>1954</u>	<u>percent change</u>
POPULATION - 6,852,000	6,852,000	7,024,000	+2.5
BIRTH RATE	26.7	27.3	+2.2
VITAL INDEX	295	316	+7.1
MATERNAL DEATH RATE	4.3	4.9	+14.0

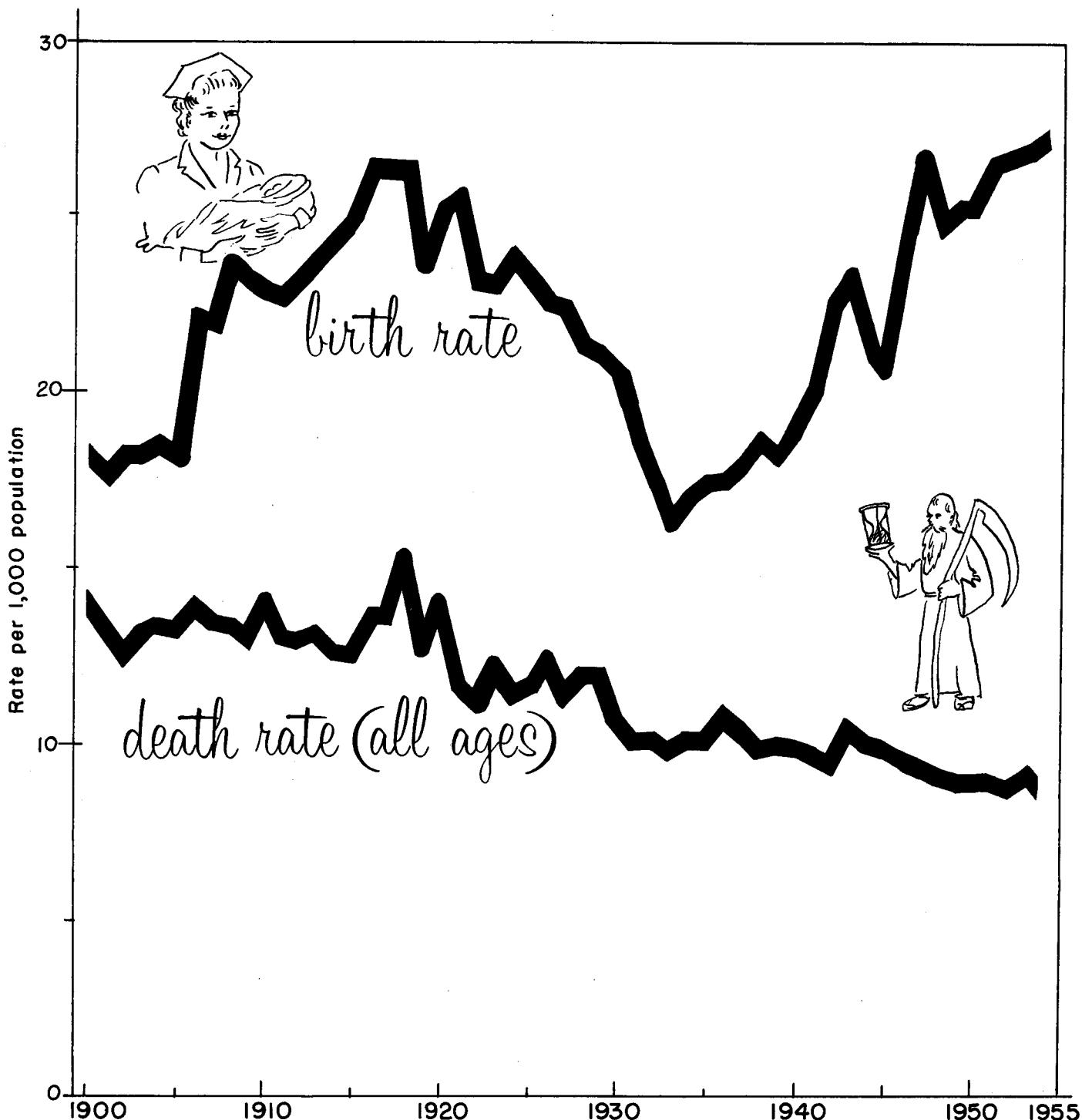
DECREASES

DEATH RATE	9.1	8.6	-5.5
INFANT DEATH RATE	25.8	25.0	-3.1
FETAL DEATH RATE	17.4	16.9	-2.9
MARRIAGE RATE (persons married)	15.6	14.6	-6.4
DIVORCE RATE (persons divorced)	4.8	4.6	-4.2

(Birth rate, death rate for all ages, rate of persons married and rate of persons divorced per 1,000 population.
 Infant death rate and fetal death rate per 1,000 live births. Maternal death rate per 10,000 live births. Vital index - number of births per 100 deaths.)

BIRTH AND DEATH RATES

MICHIGAN 1900 to date

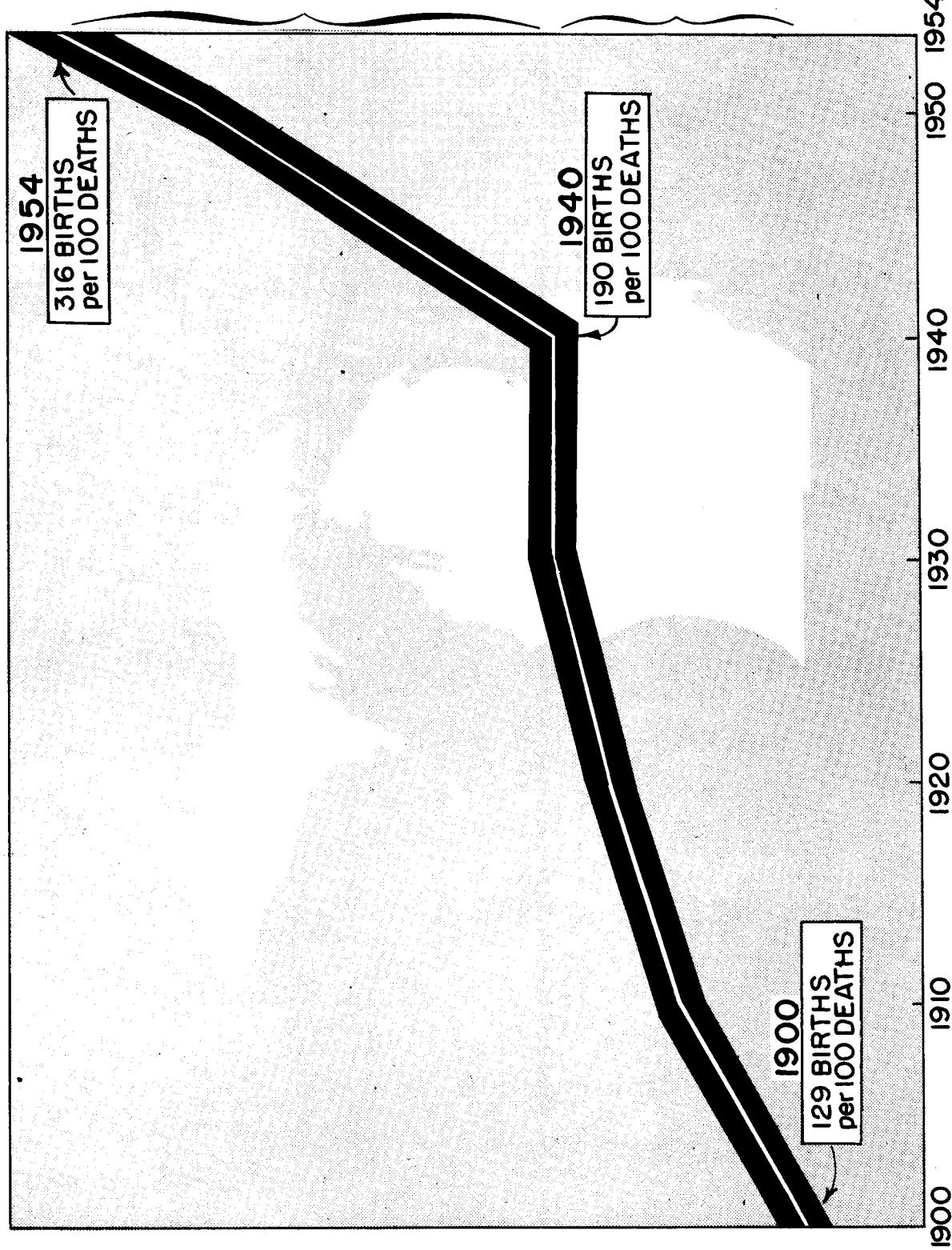


From the beginning of the century the birth rate trend was upward, reaching a high of 26.2 in 1916 and 1917. The rate then declined to an all-time low of 16.2 during the depression year of 1933. With the exception of the 2 years at the close of the war 1944 and 1945, the trend has continued upward again reaching an all-time high of 27.3 in 1954, surpassing the previous record rate of 26.4 in 1947. The 1954 Michigan rate of 27.3 is above the estimated 1954 rate of 25.0 for the United States.

Fourteen out of every 1,000 Michigan people died in 1900. Only 8.6 deaths occurred per 1,000 people in 1954. Mortality rates have dropped 39 per cent since 1900.

MICHIGAN'S VITAL INDEX

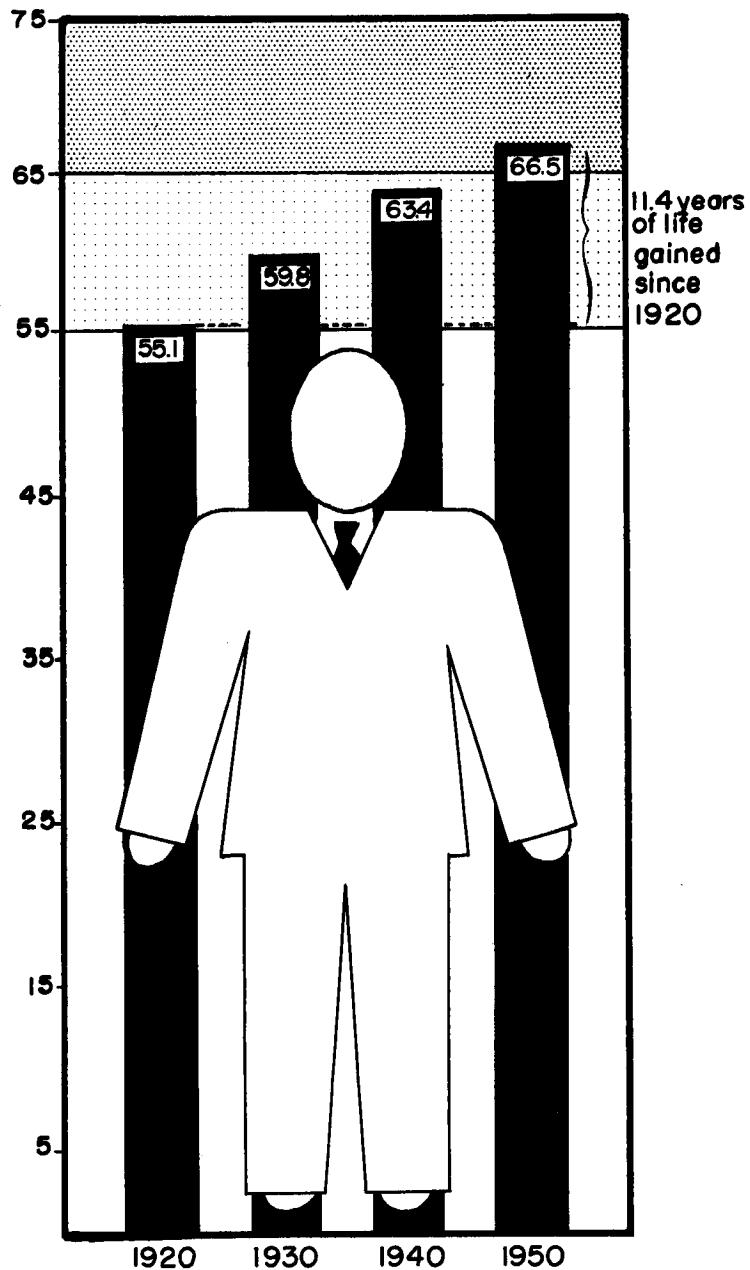
A GROWING LIFELINE



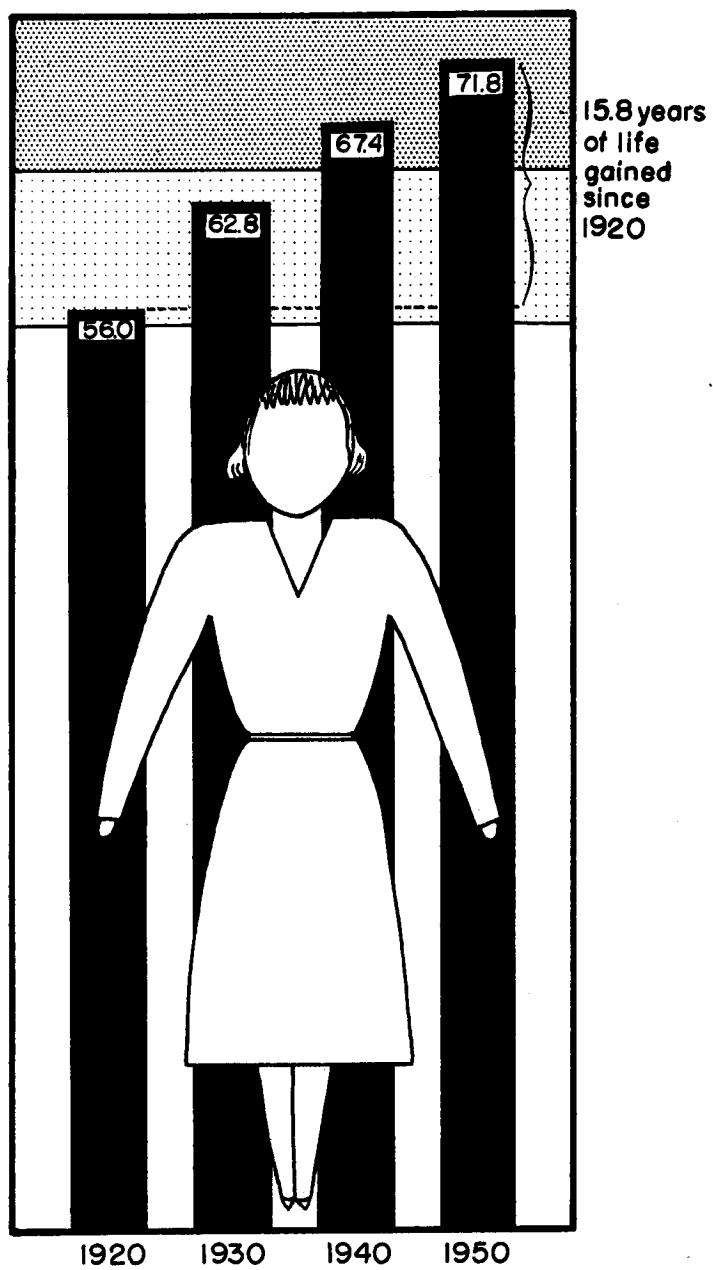
LIFE EXPECTANCY LENGTHENS

MICHIGAN, 1920---1950

white male

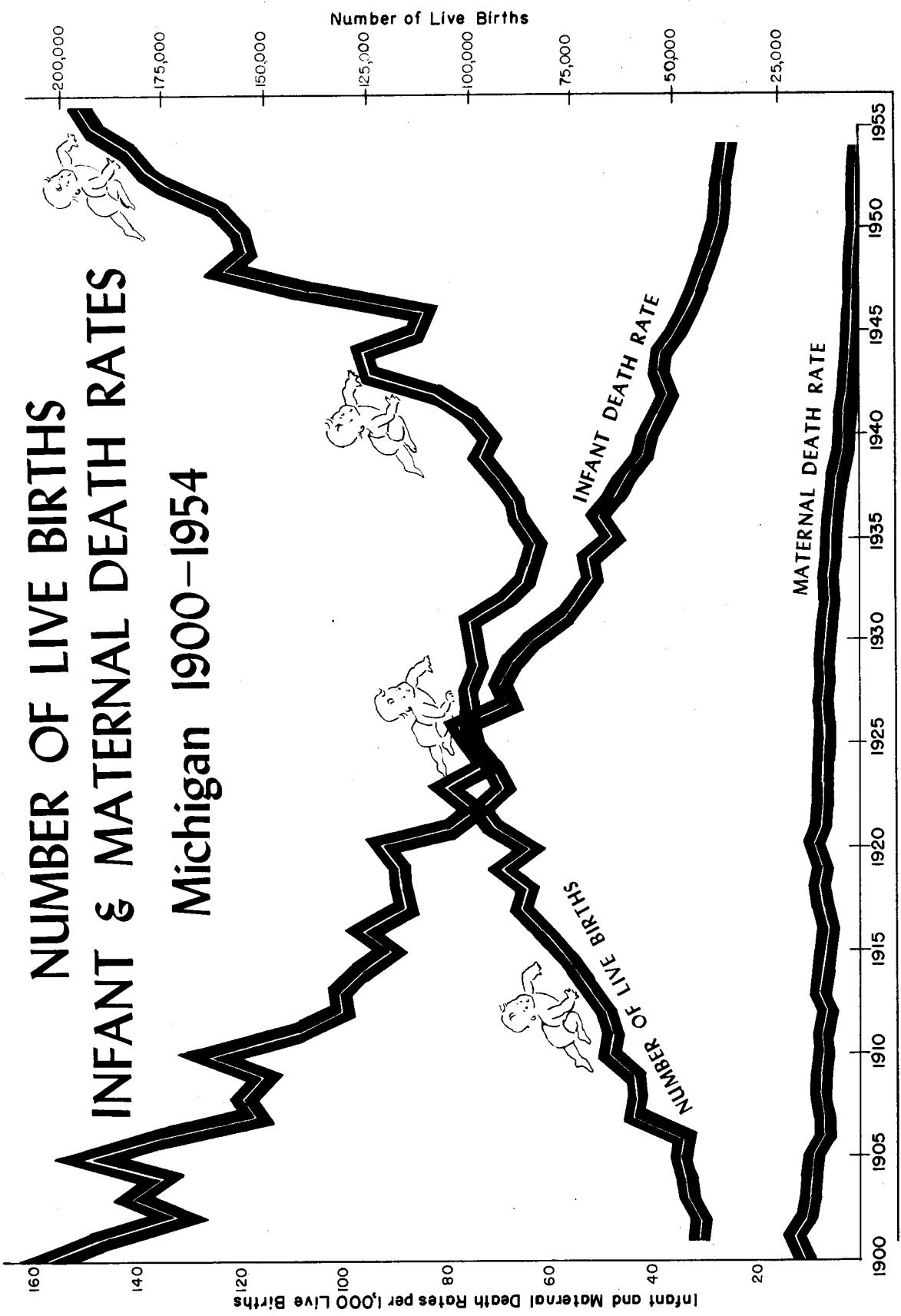


white female



Note: Data for total population not available for all years.

Source: U.S. Bureau of Census Life Tables.

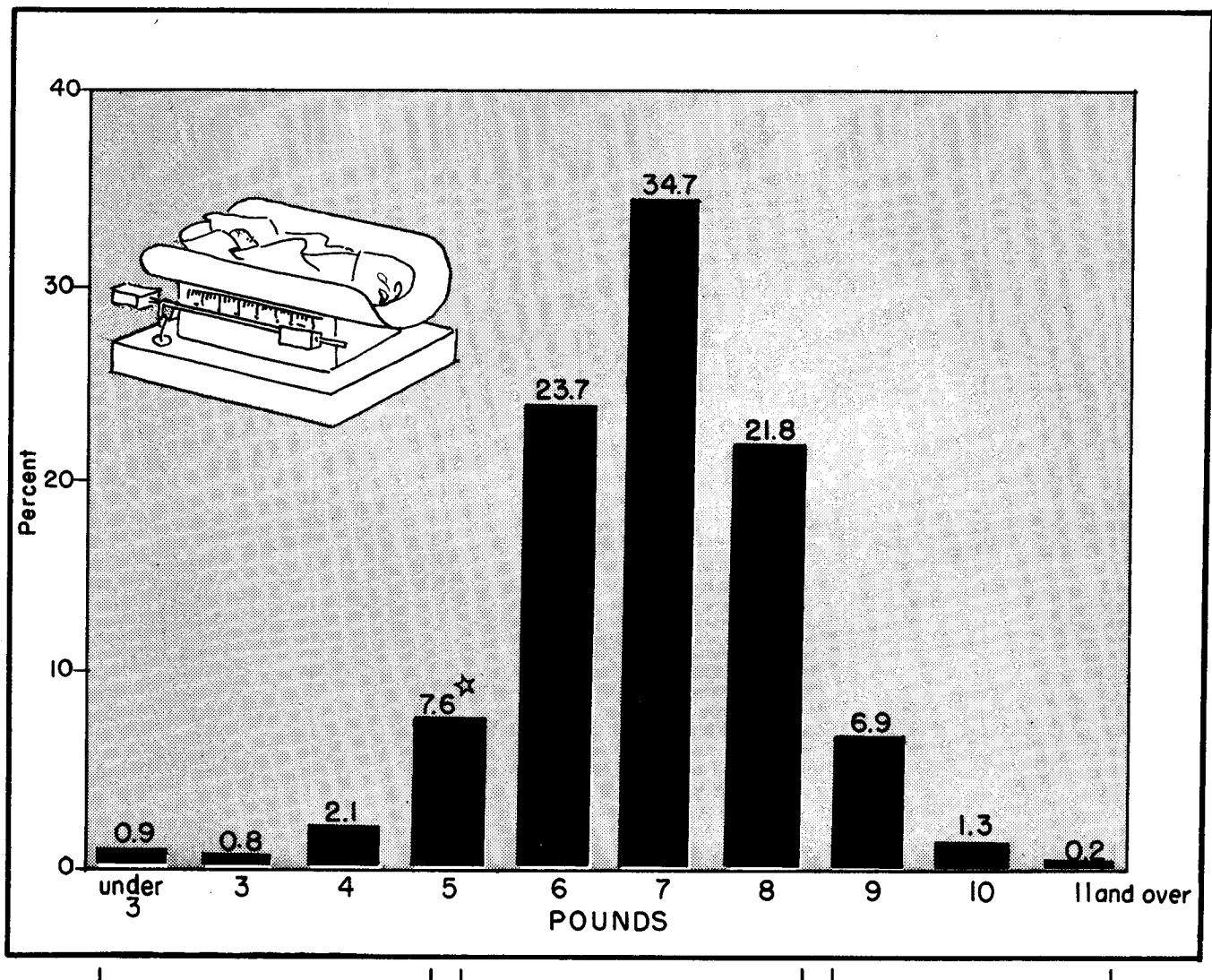


An all-time high of 192,104 Michigan births were recorded during 1954. In the last 6 years each year has shown an increase over the previous year with the 1954 figure approximately 25% greater than that of 6 years ago.

Along with this notable increase in births, the infant death rate reached an all-time low during 1954 of 25.0. The maternal death rate was 0.49 per 1,000 live births, a decrease of 37% in the last 6 years. The 1954 estimated United States infant mortality and maternal mortality rates were 26.8 and 0.53, respectively.

MICHIGAN'S 1954 BABIES

WEIGH IN



0 - 5 lb. 8 oz.

5 lb. 9 oz. - 8 lb.

9 lb. 8 over

7.1%
IMMATURE
(premature)

84.5%

8.4%

* 5 lb. subdivided into:

0oz.-8oz., 3.3%
9oz.-15oz., 4.3%

TABLE 2A - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES

MICHIGAN, 1900 - 1954

Year	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis	Tuberculosis (all forms)	Meningococcal infections	Poliomyelitis	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	5,077	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		6,248	1,864	180	16,606	9,661	333
1930	3,206	11,174	2,375	504	7,937	28,129		5,128	901	208	16,538	8,554	163
1931	1,831	13,023	915	424	11,448	6,212		6,132	293	1,137	14,662	7,843	170
1932	1,188	15,255	222	513	13,091	42,129		7,103	129	112	11,969	6,963	140
1933	1,152	16,419	46	453	11,720	21,654		6,624	86	93	7,691	6,447	85
1934	614	19,238	49	486	11,255	6,528		5,264	53	230	6,483	6,188	132
1935	645	11,849	16	355	13,427	79,061		4,642	113	614	6,416	6,372	110
1936	661	12,650	32	287	14,287	2,453		5,157	120	152	6,401	6,460	133
1937	842	24,798	152	241	11,426	6,154		6,469	87	421	8,708	7,072	244
1938	619	18,362	274	285	14,563	79,400		6,335	69	59	14,684	7,046	341
1939	452	15,836	371	177	8,997	12,948		6,119	46	904	13,144	6,364	286
1940	264	10,366	76	120	11,757	20,206		6,063	49	1,228	9,999	7,650	218
1941	342	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	8,191	-	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

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

TABLE 2B - CASE RATES OF CERTAIN REPORTED COMMUNICABLE DISEASES
MICHIGAN, 1900 - 1954

(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	216.1	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	433.2	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

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

TUBERCULOSIS CASE AND DEATH RATES

MICHIGAN 1920-1954

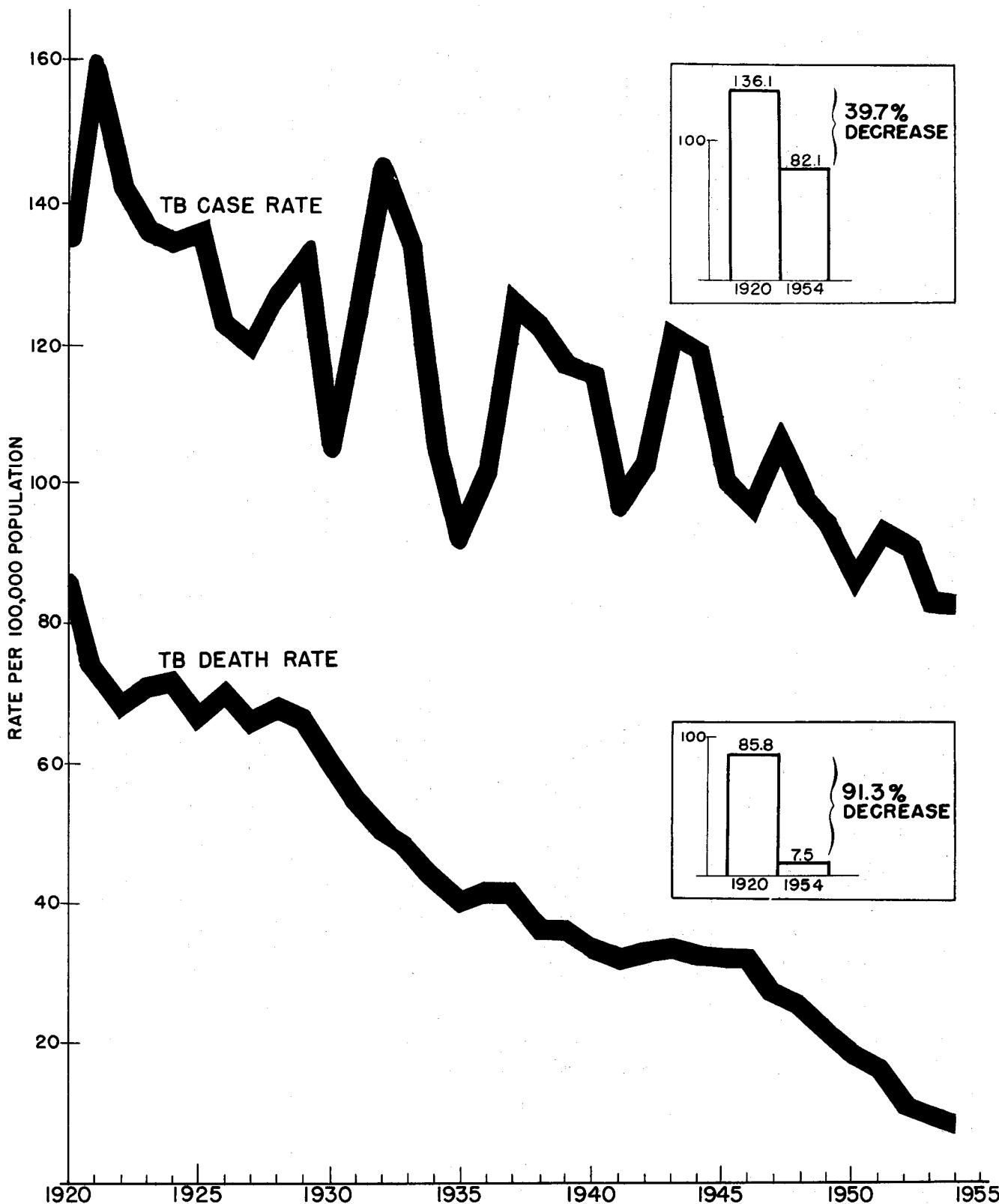


TABLE 3 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES
MICHIGAN, 1900 - 1954

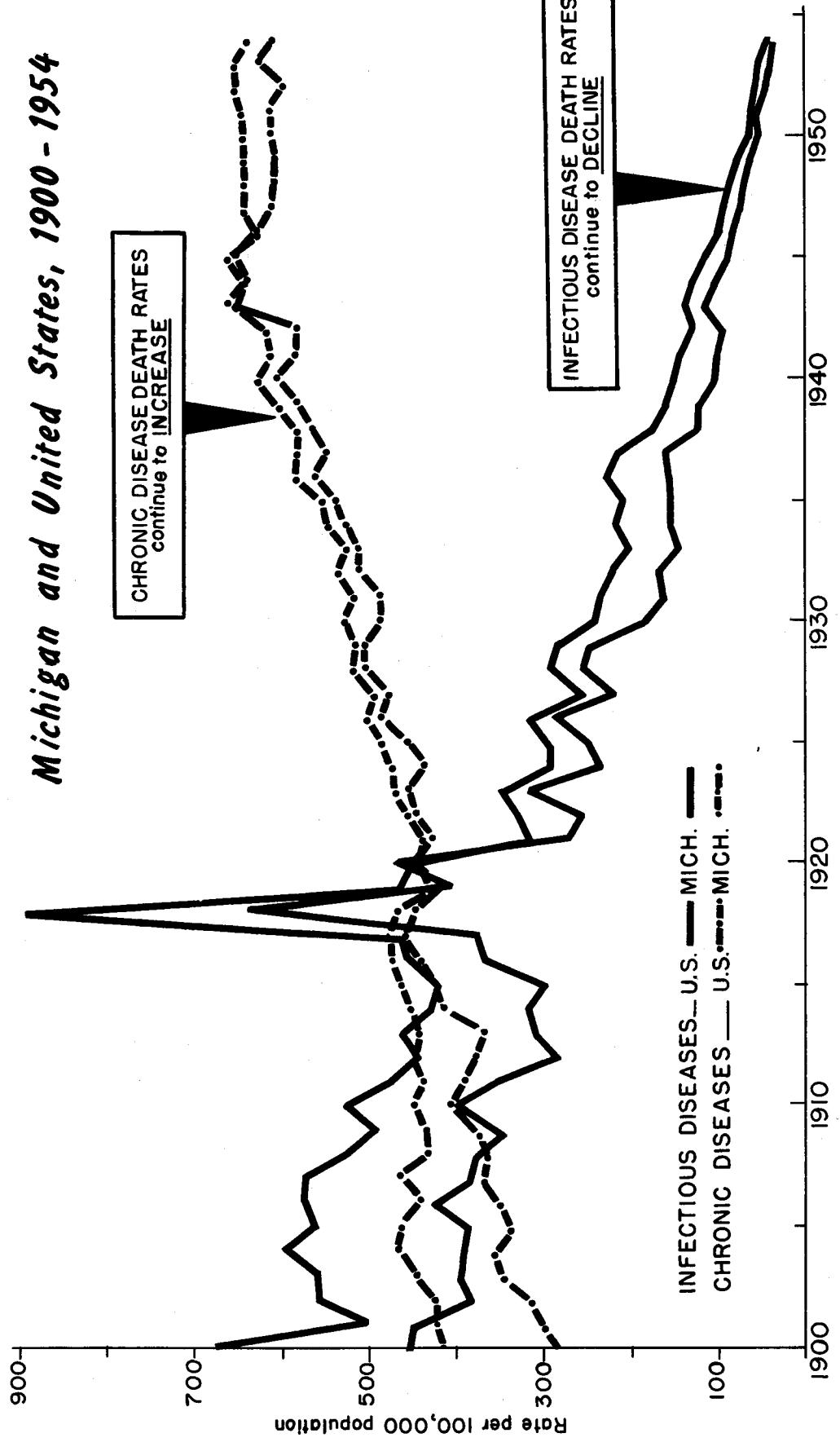
(Rates per 100,000 Population)

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			88	3.6		
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			114	4.6		
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			130	5.2		
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			101	4.0		
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						
1905	478	18.3	123	4.7	74	2.8	636	24.3	131	5.0	123	4.7	2,288	87.5	2,732	104.4			89	3.5		
1906	472	17.8	227	8.6	3	0.1	721	27.2	469	17.7	251	9.5	2,303	86.8	2,737	103.1			89	3.4		
1907	421	15.6	159	5.9	8	0.3	594	22.1	223	8.3	256	9.5	2,338	86.8	2,728	101.3			94	3.6		
1908	343	12.6	194	7.1	11	0.4	687	25.1	305	11.2	121	4.4	2,249	82.3	2,706	99.0			118	4.5		
1909	395	14.3	275	9.9	4	0.1	653	23.6	217	7.8	270	9.7	2,237	80.7	2,629	94.9			127	4.8		
1910	495	17.6	297	10.6	121	4.3	654	23.3	318	11.3	251	8.9	2,273	80.9	2,756	98.1	52	1.9	65	2.3		
1911	473	16.3	208	7.2	7	0.2	551	19.0	254	8.8	200	6.9	2,284	78.9	2,766	95.5	55	1.9	104	3.6		
1912	465	15.6	186	6.2	3	0.1	534	17.9	252	8.5	118	4.0	2,289	76.8	2,744	92.0	48	1.7	90	3.1		
1913	676	22.0	283	9.2	5	0.2	538	17.5	292	9.5	258	8.4	2,243	73.1	2,703	88.1	43	1.5	136	4.6		
1914	507	16.1	177	5.6	2	0.1	400	12.7	304	9.6	180	5.7	2,325	73.7	2,799	88.8	41	1.4	160	5.3		
1915	354	10.9	107	3.3	5	0.2	353	10.9	236	7.3	101	3.1	2,527	78.0	2,986	92.2	36	1.2	163	5.3		
1916	507	15.2	177	5.3	2	0.1	424	12.8	228	6.9	363	10.9	2,573	77.4	3,070	92.3	141	4.6	206	6.7		
1917	851	24.9	340	10.0	9	0.3	386	11.3	360	10.6	259	7.6	2,779	81.5	3,310	97.0	44	1.4	224	7.1		
1918	686	19.6	181	5.2	18	0.5	337	9.6	496	14.2	270	7.7	3,059	87.5	3,612	103.3	58	1.8	290	9.1		
1919	764	21.3	179	5.0	10	0.3	272	7.6	172	4.8	183	5.1	2,620	73.1	3,127	87.3	80	2.2	299	8.2		
1920	888	24.2	305	8.3	14	0.4	297	8.1	511	13.9	436	11.9	2,645	72.1	3,149	85.8	30	0.8	314	8.4		
1921	954	25.2	334	8.8	12	0.3	285	7.5	316	8.3	58	1.5	2,285	60.4	2,736	72.3	100	2.6	226	5.9	14	0.4
1922	620	15.9	217	5.6	20	0.5	192	4.9	232	5.9	232	5.9	2,232	57.2	2,654	68.0	21	0.5	186	4.7	6	0.2
1923	675	16.8	304	7.6	13	0.3	202	5.0	323	8.0	258	6.4	2,410	59.9	2,837	70.6	18	0.5	262	6.8	5	0.1
1924	470	11.4	265	6.4	226	5.5	149	3.6	169	4.1	221	5.3	2,474	59.8	2,952	71.3	116	3.0	271	7.0	13	0.3
1925	358	8.4	208	4.9	22	0.5	157	3.7	260	6.1	69	1.6	2,410	56.6	2,830	66.5	31	0.7	282	6.6	27	0.6
1926	677	15.5	235	5.4	4	0.1	119	2.7	355	8.1	577	13.2	2,601	59.5	3,041	69.5	34	0.8	327	7.5	12	0.3
1927	516	11.5	168	3.7	-	0	94	2.1	201	4.5	67	1.5	2,514	56.0	2,952	65.7	69	1.5	305	6.8	16	0.4
1928	384	8.3	178	3.9	2	0.0	83	1.8	219	4.8	303	6.6	2,647	57.4	3,108	67.5	27	0.6	384	8.4	19	0.4
1929	498	10.5	145	3.1	9	0.2	81	1.7	255	5.4	146	3.1	2,685	56.8	3,140	66.5	50	1.1	397	8.4	19	0.4
1930	299	6.2	130	2.7	9	0.2	87	1.8	176	3.6	231	4.8	2,443	50.5	2,912	60.1	39	0.8	395	8.2	12	0.2
1931	172	3.5	122	2.5	4	0.1	73	1.5	190	3.9	28	0.6	2,263	46.3	2,660	54.5	108	2.2	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	-	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

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

DEATH RATES DUE TO CERTAIN CHRONIC & INFECTIOUS DISEASES*

Michigan and United States, 1900 - 1954



CHRONIC DISEASE DEATH RATES
continue to INCREASE

INFECTIOUS DISEASE DEATH RATES
continue to DECLINE

INFECTIOUS DISEASES — U.S. —— MICH. —
CHRONIC DISEASES — U.S. ···· MICH. ···

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

Chronic Diseases — Cancer (140-205), Diabetes (260), Vascular lesions affecting central nervous system (330-334), Diseases of heart (410-443), Chronic and unspecified nephritis (592-594), Ulcer of stomach or duodenum (540-541), and Cirrhosis of liver (581).

Infectious Diseases — Typhoid fever (40), Scarlet fever (50), Whooping cough (56), Diphtheria (55), Tuberculosis (1-19), Dysentery (45-48), Malaria (110-117), Syphilis (20-29), Measles (85), Pneumonia & influenza (480-493), Diarrhea, enteritis, and ulceration of intestines (543,571,572).

Source of United States data: Building America's Health, Vol. III, Table 36, and Vital Statistics of United States, Vol. II, III.

TABLE 4 - DEATHS DUE TO SPECIFIED CAUSES, AND RATES

MICHIGAN, 1900 - 1954

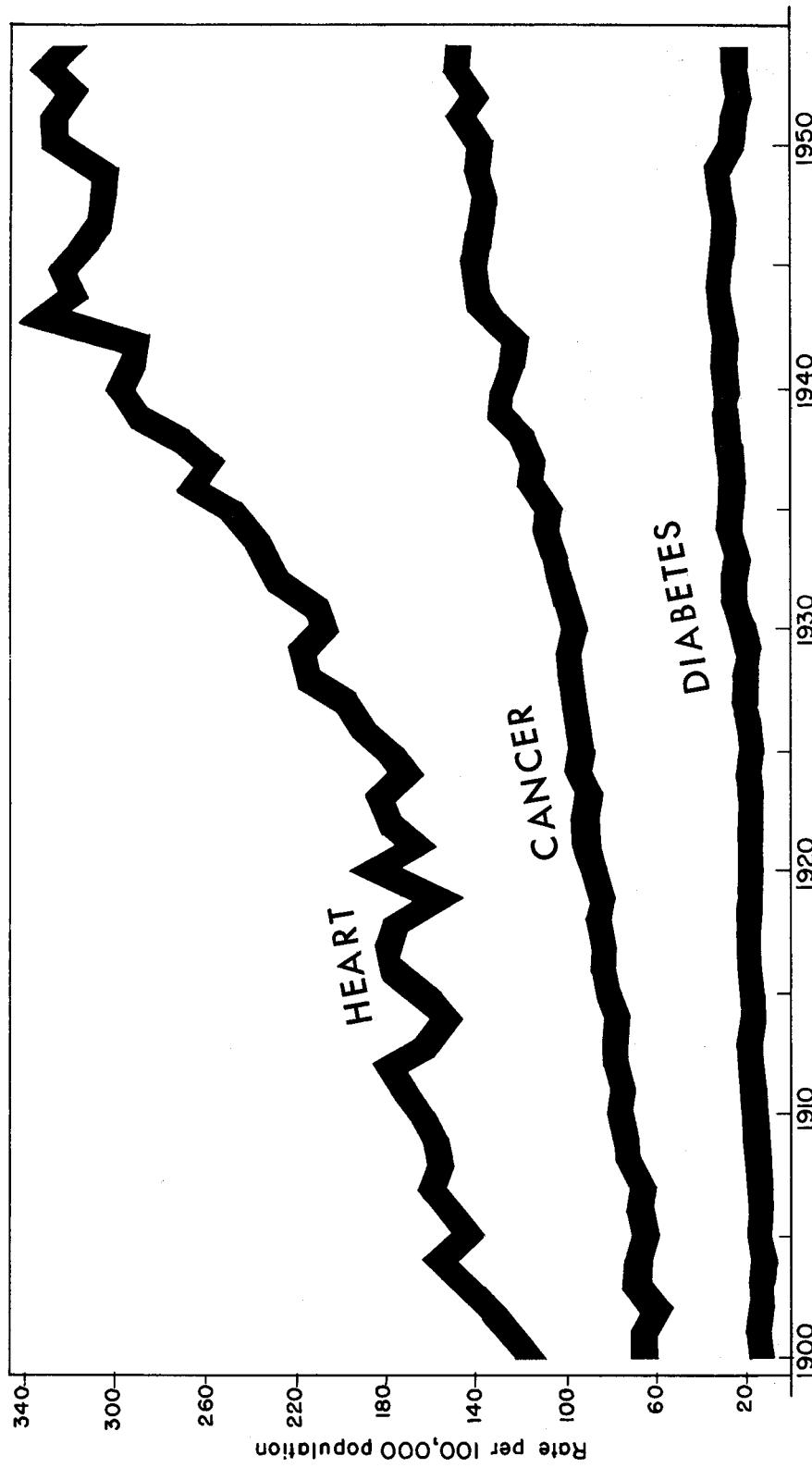
(Rates per 100,000 Population)

Year	Heart Disease		Cancer (all forms)		Vascular Lesions Affecting Central Nervous System		Accidents (all forms)		Motor Vehicle Accidents		Diabetes		Pneumonia		Immaturity		Nephritis (all forms)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1900	2,836	117.1	1,460	60.3	2,136	88.2	1,740	71.9			224	9.3	2,388	98.6	620	25.6	1,061	43.8
1901	3,040	123.6	1,484	60.3	2,147	87.3	1,901	77.3			264	10.7	2,901	117.9	524	21.3	1,121	45.6
1902	3,302	132.1	1,483	59.3	2,097	83.9	1,796	71.9			289	11.6	2,637	105.5	608	24.3	1,287	51.5
1903	3,702	145.9	1,694	66.8	2,321	91.5	2,017	79.5			265	10.4	2,607	102.7	542	21.4	1,413	55.7
1904	3,981	154.5	1,728	67.1	2,431	94.3	2,035	79.0			298	11.6	2,646	102.7	632	24.5	1,498	58.1
1905	3,715	142.0	1,693	64.7	2,405	91.9	2,034	77.8			267	10.2	2,417	92.4	751	28.7	1,434	54.8
1906	3,933	148.2	1,736	65.4	2,554	96.2	2,126	80.1			311	11.7	2,621	98.7	830	31.3	1,448	54.5
1907	4,269	158.5	1,747	64.9	2,690	99.9	2,209	82.0			352	13.1	3,018	112.0	655	31.7	1,499	55.7
1908	4,202	153.8	1,921	70.3	2,630	96.3	2,036	74.5			359	13.1	2,313	84.7	975	35.7	1,487	54.4
1909	4,354	157.1	1,948	70.3	2,739	98.8	1,903	68.7			374	13.5	2,265	81.7	1,152	41.6	1,521	54.9
1910	4,581	163.0	2,105	74.9	3,091	110.0	2,158	76.8	49	1.7	398	14.2	2,785	99.1	2,050	72.9	2,078	73.9
1911	4,639	160.2	2,142	74.0	2,916	100.7	2,121	73.2	44	1.5	373	12.9	2,763	95.4	2,223	76.8	1,952	67.4
1912	5,324	178.5	2,291	76.8	2,707	90.8	2,005	67.2	75	2.5	448	15.0	2,796	93.8	2,340	78.5	2,081	69.8
1913	4,908	160.0	2,388	77.8	2,834	92.4	2,333	76.1	132	4.3	483	15.7	3,082	100.5	2,480	80.8	2,332	76.0
1914	5,124	162.5	2,414	76.6	2,993	94.9	2,108	66.8	120	3.8	503	16.0	2,909	92.2	2,391	75.8	2,259	71.6
1915	5,538	171.0	2,567	79.2	3,384	104.5	2,219	68.5	190	5.9	498	15.4	3,229	99.7	2,207	68.1	2,264	69.9
1916	5,819	175.0	2,710	81.5	3,559	107.0	2,853	85.8	257	7.7	500	15.0	3,698	111.2	2,498	75.1	2,398	72.1
1917	6,103	170.9	2,765	81.1	3,703	108.6	2,925	85.8	335	9.8	569	16.7	4,455	130.6	2,369	69.5	2,765	81.1
1918	6,091	174.2	2,931	83.8	3,493	99.9	2,599	74.3	279	8.0	591	16.9	7,238	207.0	2,362	67.5	2,614	74.8
1919	5,651	157.7	2,990	83.5	3,483	97.2	2,612	72.9	328	9.2	559	15.6	4,081	113.9	2,183	60.9	2,352	65.6
1920	6,732	183.5	3,158	86.1	3,876	105.7	2,646	72.1	397	10.8	577	15.7	5,794	157.9	2,512	68.5	2,420	66.0
1921	6,176	163.1	3,373	89.1	3,931	103.8	2,476	65.4	403	10.6	586	15.5	2,849	75.3	2,481	65.5	2,362	62.4
1922	6,897	176.7	3,481	89.2	4,041	103.5	2,475	63.4	529	13.6	650	16.7	3,728	95.5	1,793	45.9	2,383	61.1
1923	7,266	180.7	3,545	88.2	4,420	109.9	2,826	70.3	677	16.8	635	15.8	4,719	117.4	1,911	47.5	2,527	62.9
1924	6,985	168.8	3,824	92.4	4,241	102.5	3,090	74.7	1,001	24.2	661	16.0	3,332	80.5	1,970	47.6	2,466	59.6
1925	7,540	177.2	3,858	90.7	4,623	108.6	3,278	77.0	1,103	25.9	746	17.5	3,294	77.4	1,987	46.7	2,554	60.0
1926	8,281	189.4	4,087	93.5	4,663	106.6	3,557	81.3	1,221	27.9	743	17.0	4,440	101.5	1,986	45.4	3,330	76.2
1927	8,780	195.5	4,264	95.0	4,378	97.5	3,634	80.9	1,389	30.9	819	18.2	3,543	78.9	1,911	42.6	3,101	69.1
1928	9,786	212.4	4,381	95.1	4,718	102.4	3,704	80.4	1,429	31.0	905	19.6	4,518	98.1	1,846	40.1	3,413	74.1
1929	10,185	215.6	4,571	96.7	4,694	99.3	3,913	82.8	1,552	32.8	935	19.8	4,216	89.2	1,853	39.2	3,137	66.4
1930	9,947	205.4	4,572	94.4	4,533	93.6	3,805	78.6	1,572	32.5	880	18.2	3,321	68.6	1,805	37.3	3,098	64.0
1931	10,206	209.0	4,763	97.5	4,388	89.8	3,630	74.3	1,516	31.0	950	19.5	2,883	59.0	1,473	30.2	2,934	60.1
1932	11,162	226.6	4,935	100.2	4,518	91.7	3,179	64.5	1,229	25.0	1,121	22.8	3,238	65.7	1,372	27.9	2,953	60.0
1933	11,509	231.7	5,055	101.8	4,318	86.9	3,304	66.5	1,278	25.7	1,103	22.2	2,756	55.5	1,364	27.5	3,008	60.6
1934	11,824	236.1	5,370	107.2	4,485	89.6	3,774	75.4	1,511	30.2	1,100	22.0	3,466	69.2	1,419	28.3	3,096	61.8
1935	12,456	246.7	5,399	106.9	4,420	87.5	3,771	74.7	1,676	33.2	1,228	24.3	3,801	75.3	1,389	27.5	2,974	58.9
1936	13,374	262.7	5,752	113.0	4,705	92.4	5,246	103.1	1,924	37.8	1,266	24.9	4,096	80.5	1,395	27.4	3,033	59.6
1937	13,233	257.8	5,732	111.7	4,378	85.3	4,500	89.2	2,187	42.6	1,255	24.5	4,098	79.8	1,415	27.6	2,931	57.1
1938	13,887	268.4	6,059	117.1	4,543	87.8	3,608	69.7	1,490	28.8	1,283	24.8	2,869	55.5	1,484	28.7	2,770	53.5
1939	14,898	285.7	6,296	120.7	4,415	84.7	3,761	72.1	1,553	29.8	1,360	26.1	2,803	53.8	1,396	26.8	2,808	53.8
1940	15,480	294.5	6,513	123.9	4,690	89.2	3,961	75.4	1,743	33.2	1,408	26.8	2,478	47.1	1,298	24.7	2,918	55.5
1941	15,761	209.8	6,551	120.5	4,698	86.4	4,450	81.8	2,156	39.6	1,382	25.4	2,235	41.1	1,353	24.9	2,853	52.5
1942	16,016	209.2	6,646	120.0	4,841	87.4	3,685	66.5	1,368	24.7	1,448	26.1	2,349	42.4	1,575	28.4	2,731	49.3
1943	17,816	331.3	7,127	132.5	5,311	98.8	3,480	64.7	1,025	19.1	1,535	28.5	2,931	54.5	1,488	27.7	2,950	54.9
1944	17,004	316.2	7,277	135.3	4,954	92.1	3,350	62.3	1,103	20.5	1,554	28.9	2,369	44.1	1,412	26.3	2,739	50.9
1945	17,421	320.5	7,486	137.7	5,295	97.4	3,432	63.1	1,199	22.1	1,561	28.7	1,932	35.5	1,339	24.6	2,655	48.8
1946	17,691	309.9	7,045	137.4	5,224	91.5	3,776	60.1	1,506	26.4	1,530	26.8	1,891	33.1	1,735	30.4	2,530	44.3
1947	19,412	303.4	8,188	134.9	5,426	89.4	3,848	63.4	1,499	24.7	1,618	26.7	2,089	34.4	1,953	32.2	2,567	42.3
1948	18,726	302.3	8,336	134.6	5,272	85.1	4,017	64.8	1,545	24.9	1,771	28.6	1,853	29.9	1,820	29.4	2,473	39.9
1949	19,137	301.3	8,697	136.9	5,438	85.6	3,838	60.4	1,493	23.5	1,884	29.7	1,885	29.7	1,795	28.3	2,435	38.3
1950	20,521	322.1	8,686	136.3	6,376	100.1	3,783	59.4	1,680	26.4	1,438	22.6	1,358	21.3	1,096	17.2	1,004	15.8
1951	21,118	322.6	9,187	140.4	6,579	100.5	3,916	59.8	1,806	27.6	1,374	21.0	1,619	24.7	1,232	18.8	1,005	15.4
1952	21,247	316.8	9,256	138.0	6,521	97.2	3,901	58.2	1,815	27.1	1,339	20.0	1,571	23.4	1,256	18.7	873	13.0
1953	22,425	327.3	9,904	144.5	7,045	102.8	4,375	63.8	2,051	29.9	1,419	20.7	1,538	22.4	1,114	16.3	820	12.0
1954	22,362	318.4	10,105	143.9	6,964	99.1	3,948	56.2	1,916	27.3	1,469	20.9	1,380	19.6	1,298	18.5	749	10.7

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

Mortality Trends, HEART - CANCER - DIABETES

MICHIGAN 1900 - 1954



Heart The leading cause of death throughout the past half century has been diseases of the heart; the highest death rate of 331.3 was reached during the war year of 1943, and was followed by a downward trend until 1950. The sudden increase in 1950 reflects the change in classification* of causes of death. Since 1950 there have been minor fluctuations with a rate of 318.4 in 1954.

Cancer The cancer death rates of the past twenty-four years, with minor fluctuations, have continued the upward trend of the previous thirty years. The 1954 rate of 143.9 is 52% higher than that of 94.4 for 1930.

Diabetes In 1900 the death rate due to diabetes was 9.3. By 1930 it had nearly doubled with a rate of 18.2 and was ranked as the tenth leading cause of death. Since that time the trend continued upward until 1950. The lower rates since that date are largely due to the change in classification* of causes of death. However, even with these slightly lower rates (20.9 in 1954) diabetes is now the fifth leading cause of death.

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

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE
MICHIGAN, 1954

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

AREA	Total	Diphtheria	Streptococcal sore throat (incl. scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*	
	130,609	57	5,142	30	5,620	1,419	604	150	2,168	111	5,764	4,686	9,940	94,918	
ALCONA	67	-	-	-	1	-	-	-	-	-	-	1	-	65	
ALGER	113	-	-	-	2	-	-	1	-	-	12	3	1	94	
Munising	49	-	-	-	-	-	-	-	-	-	5	-	-	42	
Balance of County	64	-	-	-	2	-	-	1	-	-	7	1	1	52	
ALLEGAN	143	-	10	-	9	1	-	-	26	-	11	10	4	72	
Allegan	12	-	4	-	-	-	-	-	2	-	2	-	2	2	
Otsego	10	-	-	-	-	-	-	-	2	-	2	-	1	7	
Plainwell	8	-	-	-	-	-	-	-	22	-	7	8	1	3	
Balance of County	113	-	6	-	7	1	-	-	-	-	-	-	2	60	
ALPENA	475	-	28	-	5	-	-	2	7	-	5	7	2	419	
Alipena	390	-	28	-	4	-	-	-	5	-	4	6	1	340	
Balance of County	85	-	-	-	1	-	-	-	2	-	1	1	1	79	
ANTRIM	67	1	3	-	-	13	3	-	2	-	-	-	4	3	38
ARENAC	27	-	2	-	4	-	3	-	1	2	5	2	-	8	
BARAGA	20	-	-	-	-	-	-	-	-	-	6	1	-	13	
BARRY	688	-	11	-	52	-	3	1	8	-	9	3	12	589	
Hastings	183	-	-	-	9	-	-	-	1	-	2	-	6	165	
Balance of County	505	-	11	-	43	-	3	1	7	-	7	3	6	424	
BAY	1,698	-	120	-	28	88	3	1	20	1	33	17	27	1,360	
Bay City	1,347	-	92	-	24	50	3	-	13	-	23	9	22	1,111	
Essexville	3	-	-	-	-	-	-	-	-	-	3	-	-	-	
Balance of County	346	-	28	-	4	38	-	1	7	1	7	8	5	249	
BENZIE	21	-	-	-	1	-	-	-	6	-	6	1	-	7	
BERRIEN	517	1	19	-	2	3	-	1	55	-	68	114	83	171	
Benton Harbor	160	-	-	-	1	-	-	-	14	-	37	54	55	-	
Niles	129	-	1	-	-	-	-	1	10	-	5	14	5	92	
St. Joseph	23	-	-	8	1	3	-	-	6	-	8	5	4	-	
Buchanan	89	-	-	-	-	-	-	-	-	-	2	3	4	68	
Balance of County	116	1	10	-	-	-	-	-	25	-	16	38	15	11	
BRANCH	674	-	14	-	12	8	6	1	11	3	14	9	6	590	
Coldwater	333	-	3	-	2	1	3	-	8	-	6	3	2	305	
Balance of County	341	-	11	-	10	7	3	1	3	3	8	6	4	285	
CALHOUN	1,304	1	57	-	15	8	10	2	52	-	65	100	137	857	
Battle Creek	490	-	17	-	2	3	-	2	13	-	42	62	124	225	
Albion	173	1	1	-	4	-	4	-	9	-	12	17	1	124	
Marshall	198	-	5	-	-	1	2	-	2	-	3	3	1	171	
Balance of County	453	-	34	-	9	4	4	-	28	-	8	18	11	337	
CASS	546	-	29	1	15	3	-	1	14	-	14	15	3	451	
Dowagiac	92	-	7	-	-	-	-	-	1	-	6	7	2	19	
Balance of County	454	-	22	1	15	3	-	1	13	-	8	8	1	382	
CHARLEVOIX	80	-	-	-	-	-	-	-	2	-	5	2	3	68	
Boyne City	2	-	-	-	-	-	-	-	-	-	2	1	1	-	
Charlevoix	2	-	-	-	-	-	-	-	2	-	3	1	2	68	
Balance of County	76	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEBOYGAN	98	-	-	-	-	-	-	1	1	-	6	7	5	77	
Cheboygan	45	-	-	-	-	-	-	1	1	-	4	3	4	32	
Balance of County	53	-	-	-	-	-	-	-	1	-	2	4	1	45	
CHIPEWA	862	-	540	-	15	17	2	-	10	-	15	11	10	242	
Sault Ste. Marie	521	-	301	-	1	15	1	-	8	-	10	7	8	170	
Balance of County	341	-	239	-	14	2	1	-	2	-	5	4	2	72	
CLARE	9	-	-	-	-	-	-	-	2	-	1	3	2	1	
CLINTON	155	-	37	-	4	19	1	-	8	3	6	12	9	56	
St. Johns	49	-	6	-	-	19	-	-	4	-	-	-	1	19	
Balance of County	106	-	31	-	4	-	1	-	4	3	6	12	8	37	
CRAWFORD	34	-	3	-	4	2	1	-	-	-	3	-	-	21	

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

AREA	Total	Diphtheria	Streptococcal sore throat (incl. scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
DELTA	129	-	1	1	1	-	-	-	1	-	34	6	1	84
Escanaba	81	-	-	-	-	-	-	-	-	-	20	3	1	57
Gladstone	8	-	1	-	1	-	-	-	-	-	3	2	-	2
Balance of County	40	-	-	1	-	1	-	-	-	-	11	1	-	25
DICKINSON	796	1	28	-	-	-	-	-	-	-	14	4	1	747
Iron Mountain	281	1	4	-	-	-	-	-	-	-	6	2	1	267
Kingsford	340	-	4	-	-	-	-	-	-	-	2	-	-	333
Norway	43	-	17	-	-	-	-	-	-	-	2	-	-	24
Balance of County	132	-	3	-	-	-	-	-	-	-	4	1	-	123
EATON	606	-	6	1	2	10	1	6	27	13	12	10	10	517
Charlotte	297	-	2	-	-	5	1	2	10	4	5	3	3	265
Eaton Rapids	51	-	-	-	-	1	-	1	1	1	1	1	-	45
Grand Ledge	26	-	2	1	2	2	2	3	10	7	6	5	5	13
Balance of County	232	-	2	-	-	2	-	-	-	7	-	6	-	194
EMMET	66	-	1	1	1	-	-	-	7	-	3	8	3	42
Petoskey	35	-	-	1	1	-	-	-	4	-	1	2	3	23
Balance of County	31	-	1	-	-	-	-	-	3	-	2	6	-	19
GENESEE	2,916	2	113	1	259	31	47	10	68	1	127	194	650	1,413
Flint	1,403	1	67	-	51	17	20	10	45	1	105	181	624	281
Fenton	184	-	2	-	33	-	-	-	1	-	3	-	-	145
Mount Morris	5	-	-	-	-	-	-	-	-	-	4	-	1	-
Balance of County	1,324	1	44	1	175	14	27	-	22	-	15	13	25	987
GLADWIN	27	-	13	-	1	-	-	-	3	-	2	1	-	7
GOEBIC	576	-	26	-	26	-	-	-	-	-	16	10	-	497
Ironwood	395	-	7	-	5	-	-	-	-	-	3	7	-	372
Bessemer	102	-	-	-	21	-	-	-	-	-	3	1	-	77
Wakefield	43	-	19	-	-	-	-	-	-	-	-	-	-	24
Balance of County	36	-	-	-	-	-	-	-	-	-	10	2	-	24
GRAND TRAVERSE	319	-	21	-	22	10	-	-	9	-	8	10	8	231
Traverse City	255	-	12	-	20	3	-	-	5	-	6	3	7	198
Balance of County	64	-	9	-	2	7	-	-	3	-	2	7	1	33
GRATIOT	268	-	19	-	13	6	3	-	2	1	18	7	5	194
Alma	120	-	15	-	11	6	-	-	1	-	10	2	2	73
St. Louis	23	-	-	-	-	-	-	-	-	-	2	1	1	19
Balance of County	125	-	4	-	2	-	3	-	1	1	6	4	2	102
HILLSDALE	444	-	33	-	46	20	5	-	10	2	9	5	1	313
Hillsdale	148	-	9	-	3	4	3	-	8	-	3	-	-	119
Balance of County	296	-	24	-	38	16	2	-	2	2	6	5	-	194
HOUGHTON	109	1	28	2	-	-	-	2	-	-	30	11	-	35
Hancock	8	-	-	-	-	-	-	1	-	-	5	3	-	-
Houghton	6	-	2	-	-	-	-	1	-	-	2	-	-	1
Laurium	4	-	-	-	-	-	-	1	-	-	4	-	-	-
Balance of County	91	1	26	2	-	-	-	1	-	-	21	6	-	34
HURON	24	-	-	-	-	-	-	-	6	12	2	2	-	2
Bad Axe	3	-	-	-	-	-	-	-	6	12	1	2	-	-
Balance of County	21	-	-	-	-	-	-	-	6	12	1	-	-	2
INGHAM	4,727	-	380	1	156	103	6	2	64	2	92	99	236	3,586
Lansing	2,947	-	232	1	37	47	4	-	49	1	61	81	216	2,218
East Lansing	330	-	32	-	4	5	-	-	6	1	9	6	7	261
Mason	64	-	17	-	3	1	-	-	2	1	-	1	2	37
Balance of County	1,386	-	99	-	112	50	2	2	7	-	22	11	11	1,070
IONIA	285	-	5	-	6	11	-	-	12	1	10	10	5	225
Belding	87	-	-	-	2	-	-	-	-	-	1	2	-	82
Ionia	32	-	-	-	2	6	-	-	5	-	4	3	2	10
Portland	139	-	4	-	2	4	-	-	-	-	-	-	-	129
Balance of County	27	-	1	-	1	1	-	-	7	1	5	5	3	4
IOSCO	13	-	-	-	-	-	-	-	8	2	2	1	-	-
IRON	139	-	2	-	-	-	-	-	-	-	18	8	-	110
Iron River	7	-	-	-	-	-	-	-	-	-	4	3	-	-
Balance of County	132	-	2	-	-	-	-	-	-	-	14	5	-	110
ISABELLA	271	9	29	-	23	116	1	-	13	5	8	14	1	52
Mount Pleasant	107	6	2	-	9	47	1	-	4	1	4	6	-	27
Balance of County	164	3	27	-	14	69	-	-	9	4	4	8	1	25

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

AREA	Total	Diphtheria	Streptococcal sore throat (incl. scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhoea	All other diseases*
JACKSON	1,236	-	46	-	35	11	6	-	19	3	61	14	71	970
Jackson	1,144	-	42	-	33	10	6	-	7	-	42	9	52	943
Balance of County	92	-	4	-	2	1	-	-	12	3	19	5	19	27
KALAMAZOO	3,126	-	83	1	36	17	13	-	26	-	44	35	92	2,779
Kalamazoo	1,116	-	28	1	19	5	3	-	10	-	37	28	75	910
Balance of County	2,010	-	55	-	17	12	10	-	16	-	7	7	17	1,869
KALKASKA	38	-	1	-	-	-	-	-	7	-	-	3	1	26
KENT	6,942	12	229	2	229	23	3	5	102	10	144	164	437	5,582
Grand Rapids	4,578	8	135	1	114	16	-	3	59	2	107	134	414	3,585
E. Grand Rapids	17	-	-	-	-	-	-	-	3	-	-	-	-	14
Balance of County	2,347	4	94	1	115	7	3	2	40	8	37	30	23	1,983
KEWENAW	5	-	-	-	-	-	-	-	1	-	-	-	-	1
LAKE	19	-	4	-	-	-	-	-	1	-	1	8	5	-
LAPEER	312	-	23	1	13	32	-	1	3	3	6	7	5	218
Lapeer	181	-	3	-	10	25	-	1	1	-	1	2	2	136
Balance of County	131	-	20	1	3	7	-	-	2	3	5	5	3	82
LEELANAU	96	5	5	-	7	-	-	-	-	-	7	3	-	69
LENAWEE	706	-	9	1	3	1	-	2	28	1	23	15	6	617
Adrian	510	-	2	-	2	-	-	-	8	-	15	5	1	477
Hudson	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Tecumseh	31	-	-	-	1	-	-	-	-	-	2	-	1	27
Balance of County	164	-	7	1	-	1	-	2	20	1	6	9	4	113
LIVINGSTON	41	-	-	-	-	1	-	-	11	3	12	4	2	8
Howell	10	-	-	-	-	1	-	-	3	-	4	2	1	-
Balance of County	31	-	-	-	-	1	-	-	8	3	8	2	1	8
LUCE	279	-	1	-	1	3	-	2	-	-	11	1	-	260
Newberry	264	-	1	-	1	3	-	1	-	-	6	-	-	253
Balance of County	15	-	-	-	1	-	-	1	-	-	5	1	-	7
MACKINAC	279	-	1	-	1	30	1	1	4	-	7	-	3	231
St. Ignace	223	-	1	-	1	30	1	1	1	-	3	-	3	182
Balance of County	56	-	-	-	-	-	-	3	-	-	4	-	-	49
MACOMB	4,078	-	128	3	255	23	26	5	103	7	153	56	46	3,273
East Detroit	772	-	7	-	35	1	1	-	18	-	25	2	3	680
Mount Clemens	239	-	3	1	10	-	1	-	5	-	32	7	154	
Roseville	426	-	15	-	30	-	2	-	10	3	21	5	1	339
St. Clair Shores	723	-	43	-	36	4	3	-	20	-	18	7	4	588
Centerline	151	-	11	-	9	1	-	-	2	-	9	1	7	111
Romeo	53	-	2	-	8	1	-	-	-	-	5	1	3	33
Balance of County	1,714	-	47	2	127	16	19	5	48	4	43	14	21	1,368
MANISTEE	305	-	-	-	3	4	-	-	16	-	2	2	2	276
Manistee	281	-	-	-	3	4	-	-	10	-	1	2	2	268
Balance of County	24	-	-	-	-	-	-	-	6	-	1	-	-	8
MARQUETTE	1,172	-	16	-	13	-	-	1	5	-	47	1	1	1,088
Marquette	977	-	16	-	5	-	-	2	2	-	14	1	-	939
Ishpeming	167	-	-	-	8	-	-	1	-	-	12	4	-	146
Negaunee	6	-	-	-	-	-	-	-	1	-	-	-	-	1
Balance of County	22	-	-	-	-	-	-	-	2	-	17	-	1	2
MASON	166	-	2	-	10	-	2	-	3	-	7	5	10	127
Ludington	83	-	1	-	2	-	-	-	3	-	5	4	8	60
Balance of County	83	-	1	-	8	-	2	-	-	-	2	4	2	67
MECOSTA	277	-	3	-	5	-	1	-	1	-	8	6	3	250
Big Rapids	175	-	1	-	-	-	-	-	-	-	2	3	1	168
Balance of County	102	-	2	-	5	-	1	-	1	-	6	3	2	82
MENOMINEE	121	-	13	-	1	-	2	-	3	1	16	8	1	76
Menominee	62	-	1	-	-	-	1	-	2	1	6	6	1	44
Balance of County	59	-	12	-	1	-	1	-	1	-	10	2	-	32
MIDLAND	2,179	-	54	-	36	34	22	3	6	-	11	-	3	2,010
Midland	1,217	-	27	-	13	16	6	2	2	-	6	-	3	1,142
Balance of County	962	-	27	-	23	18	16	1	4	-	5	-	-	868
MISSAUKEE	71	-	5	-	1	-	-	-	-	5	-	-	-	60

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

AREA	Total	Diphtheria	Streptococcal sore throat (incl. scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
MONROE	659	-	69	-	25	59	7	13	21	-	58	17	17	373
Monroe	268	-	11	-	6	9	2	7	5	-	27	12	12	177
Milan (Part)	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Balance of County	390	-	58	-	19	50	5	6	16	-	30	5	5	196
MONTCALM	51	-	-	-	-	1	-	1	3	3	14	15	3	11
Greenville	14	-	-	-	-	-	-	-	2	-	6	4	2	-
Balance of County	37	-	-	-	-	1	-	1	1	3	8	11	1	11
MONTMORENCY	19	-	-	-	-	-	-	-	-	-	1	-	1	17
MUSKEGON	3,886	-	41	-	107	50	1	2	32	1	69	102	411	3,070
Muskegon	1,715	-	14	-	13	5	-	1	12	-	44	59	199	1,368
Muskegon Heights	864	-	6	-	14	1	-	-	2	-	12	25	179	625
Balance of County	1,307	-	21	-	80	44	1	1	18	1	13	18	33	1,077
NEWAYGO	461	-	12	1	54	1	-	-	15	-	8	10	8	352
Fremont	25	-	-	-	-	-	-	-	7	-	1	3	4	10
Balance of County	436	-	12	1	54	1	-	-	8	-	7	7	4	342
OAKLAND	14,810	-	477	1	393	124	21	8	207	1	345	204	601	12,428
Pontiac	2,169	-	40	-	75	1	1	1	8	-	74	73	420	1,476
Ferndale	1,402	-	45	-	17	-	4	1	15	1	35	23	18	1,243
Royal Oak	2,370	-	90	-	25	7	-	1	46	-	51	18	17	2,115
Berkley	613	-	28	-	14	-	2	-	11	-	15	3	4	536
Birmingham	1,790	-	77	-	16	1	2	-	12	-	9	13	2	1,658
Hazel Park	29	-	-	-	-	-	-	-	3	-	11	8	7	-
Clawson	218	-	12	-	1	-	-	-	4	-	10	-	-	190
Holly	8	-	-	-	-	-	-	-	-	-	8	-	-	-
Huntington Woods	5	-	-	-	-	-	-	-	-	-	3	1	-	-
Northville (Part)	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Oak Park	15	-	-	-	-	-	-	-	-	-	11	2	-	-
Pleasant Ridge	105	-	-	-	-	-	-	-	-	-	2	-	1	102
Rochester	82	-	2	-	2	-	-	-	10	-	14	3	3	48
Balance of County	6,003	-	183	1	243	115	11	5	95	-	101	60	129	5,060
OCEANA	45	-	-	-	-	1	-	-	7	1	4	3	4	21
OGEMAW	51	-	-	-	-	-	-	-	1	2	5	7	-	36
ONTONAGON	23	-	-	-	-	-	-	-	2	-	7	4	-	10
OSCEOLA	235	-	24	-	4	-	1	-	7	1	1	4	1	192
OSCODA	64	-	2	-	-	-	-	-	-	-	1	3	-	58
OTSEGO	101	-	1	-	-	1	-	-	-	-	5	-	2	92
OTTAWA	3,042	-	46	-	22	27	5	5	32	6	20	13	36	2,830
Holland	693	-	4	-	2	1	1	-	7	-	4	4	9	661
Grand Haven	879	-	9	-	2	1	-	1	4	-	4	3	10	845
Zeeland	60	-	1	-	-	1	-	-	2	-	1	-	4	51
Balance of County	1,410	-	32	-	18	24	4	4	19	6	11	6	13	1,273
PRESQUE ISLE	72	-	1	-	11	-	-	-	4	-	2	-	-	54
Rogers City	27	-	-	-	4	-	-	-	2	-	1	-	-	20
Balance of County	45	-	1	-	7	-	-	-	2	-	1	-	-	34
ROSCOMMON	36	-	-	-	-	1	3	-	-	1	-	-	-	31
SAGINAW	2,215	-	148	1	282	107	15	-	35	2	59	130	165	1,271
Saginaw	1,181	-	90	-	72	43	7	-	20	-	49	118	156	626
Balance of County	1,034	-	58	1	210	64	8	-	15	2	10	12	9	645
ST. CLAIR	1,321	-	236	1	69	6	-	-	28	5	35	18	30	893
Port Huron	791	-	190	1	19	1	-	-	8	-	14	12	21	525
Algonac	6	-	-	-	-	-	-	-	-	-	4	2	-	-
Marine City	27	-	5	-	-	1	-	-	7	-	4	1	-	9
Marysville	4	-	-	-	4	-	-	-	-	-	-	-	-	-
St. Clair	186	-	-	-	24	-	-	-	13	5	11	2	-	160
Balance of County	307	-	41	-	22	4	-	-	13	5	11	3	9	199
ST. JOSEPH	1,101	-	48	1	9	9	5	-	10	3	6	7	4	998
Sturgis	153	-	2	-	-	5	-	-	6	-	1	1	-	138
Three Rivers	367	-	-	-	8	4	5	-	2	3	4	3	2	350
Balance of County	581	-	46	1	1	-	-	-	2	3	4	3	2	510
SANILAC	122	-	13	-	9	16	-	-	7	5	5	3	17	47

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

AREA	Total	Diphtheria	Streptococcal sore throat (incl. scarlet fever)	Typhoid fever	Whooping cough	Infectious hepatitis (incl. serum hepatitis)	Rheumatic fever	Meningococcal infections	Polyomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
SCHOOLCRAFT	86	-	-	-	-	22	-	-	3	-	5	-	1	55
Manistique	32	-	-	-	-	-	-	-	2	-	3	-	1	26
Balance of County	54	-	-	-	-	22	-	-	1	-	2	-	-	29
SHIAWASSEE	136	-	25	1	5	11	1	-	6	3	22	3	6	53
Owosso	66	-	21	-	3	5	-	-	2	-	11	1	2	21
Durand	6	-	1	-	1	-	-	-	4	3	2	-	-	2
Balance of County	64	-	3	1	1	6	1	-	7	9	9	2	4	30
TUSCOLA	107	-	8	-	14	1	1	-	8	1	7	10	3	54
Caro	3	-	-	-	-	-	-	-	-	-	1	1	-	-
Vassar	70	-	3	-	13	-	1	-	1	1	-	-	1	51
Balance of County	34	-	5	-	1	-	1	-	7	-	6	9	2	3
VAN BUREN	527	1	29	-	9	7	2	-	15	-	15	21	15	413
South Haven	5	-	-	-	-	-	-	-	-	-	1	1	3	-
Balance of County	522	1	29	-	9	7	2	-	15	-	14	20	12	413
WASHTENAW	2,927	-	55	1	95	25	-	9	79	4	67	61	125	2,406
Ann Arbor	1,155	-	14	-	16	10	-	1	39	2	34	27	21	991
Ypsilanti	663	-	16	-	28	3	-	1	15	-	14	14	61	511
Chelsea	3	-	-	-	-	-	-	-	-	-	3	-	-	-
Milan (Part)	2	-	-	-	-	-	-	-	-	-	1	1	-	-
Balance of County	1,104	-	25	1	51	12	-	7	25	2	15	19	43	904
WAYNE	57,338	23	1,705	7	3,133	299	368	59	846	2	3,746	2,990	6,564	37,596
Detroit	39,818	23	1,055	7	2,591	170	271	38	552	2	3,072	2,723	6,275	23,039
Dearborn	2,024	-	75	-	36	2	7	3	34	-	87	33	26	1,721
Hamtramck	367	-	5	-	17	-	2	-	3	-	56	24	41	219
Highland Park	465	-	7	-	19	1	3	-	13	-	46	17	16	343
**Lincoln Park	49	-	-	-	-	-	-	-	-	-	30	16	3	-
**Wyandotte	62	-	-	-	-	-	-	-	-	-	37	13	12	-
**Allen Park	28	-	-	-	-	-	-	-	-	-	16	4	2	6
**Ecorse	101	-	-	-	-	-	-	-	-	-	28	37	36	-
**Grosse Pte. Park	4	-	-	-	-	-	-	-	-	-	4	-	-	-
**Grosse Pte. Woods	7	-	-	-	-	-	-	-	-	-	5	2	-	-
**Inkster	120	-	-	-	-	-	-	-	-	-	38	29	53	-
**Livonia	43	-	-	-	-	-	-	-	-	-	41	2	-	-
**River Rouge	124	-	-	-	-	-	-	-	-	-	31	26	67	-
**Garden City	17	-	-	-	-	-	-	-	-	-	14	1	2	-
**Grosse Pte.	17	-	-	-	-	-	-	-	-	-	11	6	-	-
**Grosse Pte. Farms	2	-	-	-	-	-	-	-	-	-	2	-	-	-
**Melvindale	12	-	-	-	-	-	-	-	-	-	7	5	-	-
**Northville (Part)	12	-	-	-	-	-	-	-	-	-	6	1	5	-
**Plymouth	34	-	-	-	-	-	-	-	-	-	24	9	1	-
**Trenton	14	-	-	-	-	-	-	-	-	-	10	4	-	-
**Wayne	38	-	-	-	-	-	-	-	-	-	18	8	12	-
Balance of County	13,980	-	563	-	470	126	85	18	244	-	163	30	13	12,268
WEXFORD	413	-	1	-	2	2	1	-	5	1	4	5	10	382
Cadillac	331	-	1	-	2	1	1	-	-	-	1	3	5	317
Balance of County	82	-	-	-	-	1	-	-	5	1	3	2	5	65

*Includes

Actinomycosis	1	Erysipelas	48	Rabies in animals	117
Bites, animal	13,152	Impetigo	777	Ringworm	2,007
Chickenpox	16,324	Infectious mononucleosis	209	Rubella	1,214
Conjunctivitis (Kerato)	4	Influenza	153	Salmonella infections	153
Diarrhea, epidemic (infants under 1 year)	106	Measles	40,725	Scabies	354
Dysentery, amebic	119	Meningitis, influenzal	30	Tetanus	8
Dysentery, bacillary	257	Mumps	18,668	Trichinosis	1
Encephalitis, infectious	95	Pediculosis	152	Tularemia	4
		Pink eye	239	Weil's disease	1

**Included in balance of county unless otherwise indicated.

TABLE 6 - ACCIDENTAL DEATHS BY AGE, PLACE, AND TYPE OF ACCIDENT
MICHIGAN, 1954

(By place of occurrence, Age groups, place, and type of accident according to National Safety Council classification.)

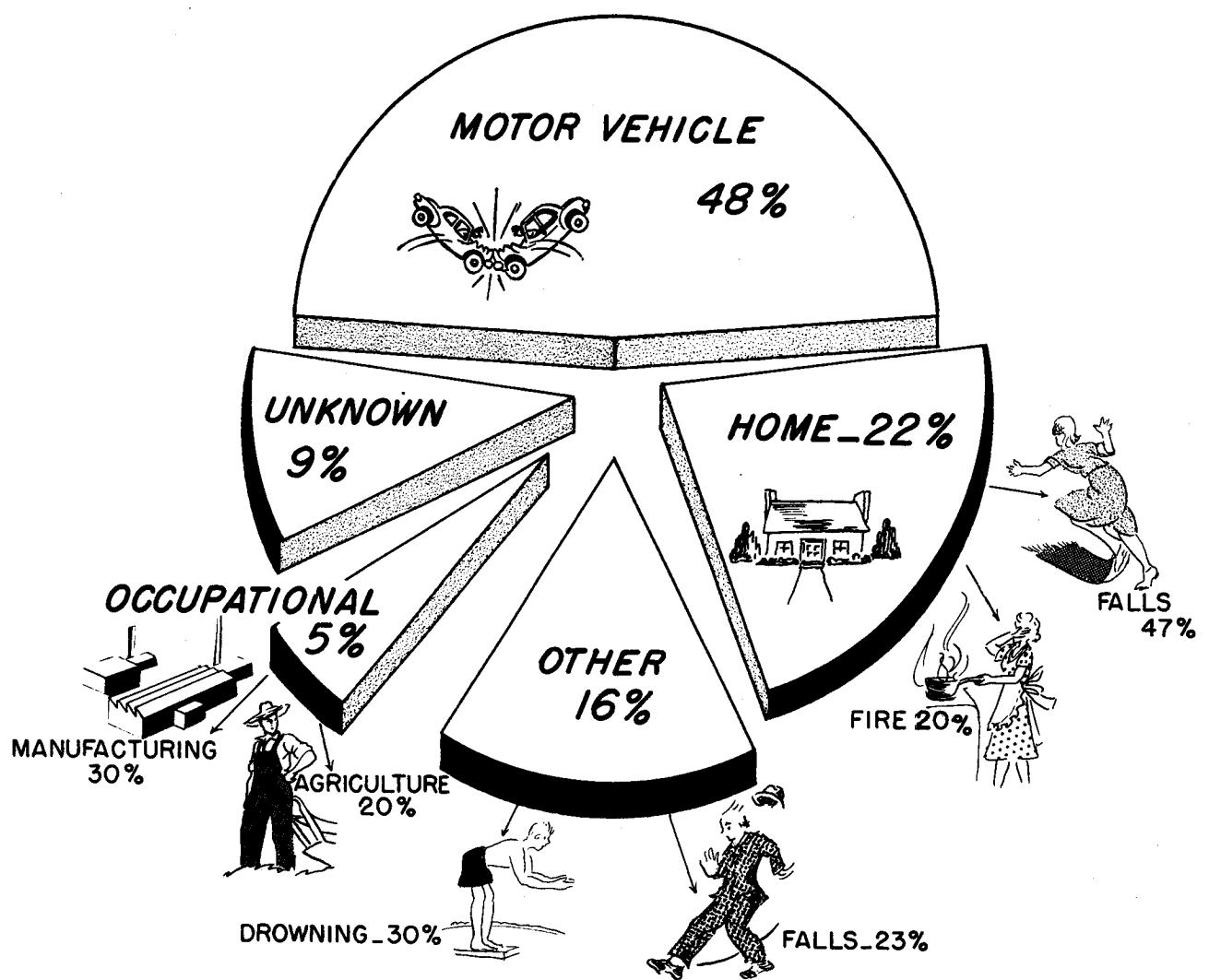
TYPE OF ACCIDENT	All Ages	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and Over	Age Unknown
GRAND TOTAL	3,820	387	282	486	830	773	1,062	-
OCCUPATIONAL TOTAL	208	-	-	24	76	85	23	-
Agriculture	42	-	-	5	7	18	12	-
Mining, Quarrying, Oil and Gas Wells	11	-	-	1	5	4	1	-
Manufacturing	63	-	-	-	31	30	2	-
Construction	34	-	-	4	14	14	2	-
Transportation	7	-	-	-	4	2	1	-
Public Utilities	4	-	-	2	1	1	-	-
Trade	7	-	-	1	2	3	1	-
Service	9	-	-	3	3	2	1	-
Other Specified Industry	30	-	-	7	9	11	3	-
Unspecified Industry	1	-	-	1	-	-	-	-
HOME TOTAL	836	222	35	18	80	97	384	-
Poisonings (gas excepted)	26	15	1	-	6	4	-	-
Poisonings by Gases and Vapors	37	-	-	2	12	14	9	-
Fire, Explosion of Combustible Material	150	36	17	6	35	21	35	-
Hot Substance, Corrosive Liquid, Steam	20	13	-	-	1	3	3	-
Mechanical Suffocation	71	70	1	-	-	-	-	-
Firearms	25	5	6	3	8	3	-	-
Falls on Same Level	63	-	-	-	1	3	59	-
Falls to Different Level or Unspecified	331	11	4	3	7	44	262	-
Other Specified Home Accidents	98	69	1	2	8	5	13	-
Unspecified Home Accidents	15	3	5	2	2	-	3	-
MOTOR VEHICLE TOTAL	1,823	103	132	360	493	439	296	-
Injury to Pedestrian	435	49	70	23	54	118	121	-
Collision with Other Motor Vehicle	610	25	27	115	175	175	93	-
Collision with Railroad Train	87	2	2	24	31	19	9	-
Collision with Street Car	-	-	-	-	-	-	-	-
Injury to Pedal Cyclist	21	3	13	4	-	-	1	-
Collision with Animal-Drawn Vehicle or Animal	1	-	-	1	-	-	-	-
Collision with Fixed Object	131	2	2	31	42	33	21	-
Non-Collision	373	18	10	129	141	53	22	-
Other and Unspecified Accident	165	4	8	33	50	41	29	-
PUBLIC NONMOTOR-VEHICLE TOTAL	612	28	110	77	150	121	126	-
Railroad--Not with Motor Vehicle	32	-	3	2	5	13	9	-
Street Car--Not with Motor Vehicle	1	-	-	-	1	-	-	-
Other Vehicle--Not with Motor Vehicle	10	1	2	1	2	3	1	-
Water Transportation	99	-	18	15	45	19	2	-
Air Transportation	23	-	1	9	11	2	-	-
Fire, Explosion of Combustible Material	17	1	3	-	5	5	3	-
Hot Substance, Corrosive Liquid, Steam	3	-	-	-	-	1	2	-
Drowning	185	21	57	28	43	18	18	-
Firearms	30	-	4	9	7	10	-	-
Falls on Same Level	31	-	1	-	8	4	18	-
Falls to Different Level or Unspecified	108	1	4	2	8	26	67	-
Other Specified Public Accidents	65	4	12	9	15	19	6	-
Unspecified Public Accidents	8	-	5	2	-	1	-	-
TYPE OF ACCIDENT UNKNOWN	341	34	5	7	31	31	233	-

ACCIDENTS

(4th LEADING CAUSE OF DEATH)

TOOK THE LIVES OF
3,820 PEOPLE
IN MICHIGAN DURING 1954

WHERE AND HOW ?



NOTE: DATA BY PLACE OF OCCURRENCE.

TABLE 7A - DEATHS BY INTERMEDIATE LIST OF CAUSES, SEX, AND AGE
MICHIGAN, 1954

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Sixth Revision of International List, 1946, Intermediate List of 150 Causes with additional subdivisions indicated by detailed list numbers. Rates per 100,000 population.)

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	AGE IN YEARS																			
				Under 1 Year	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 - 89	90 - 94
Infections of skin and subcutaneous tissue	A 121	14	0.2	10	4	-	1	-	-	1	-	1	1	2	1	1	2	1	1	2	1	1	-
Arthritis and spondylitis	A 122	95	1.4	33	62	-	1	1	-	1	-	1	1	2	1	1	2	1	1	2	1	1	-
Osteomyelitis and periostitis	A 124	10	0.1	10	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ankylosis and acquired musculoskeletal deformities	A 125	2	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases of skin and musculoskeletal system	A 126	103	1.5	58	45	3	3	-	5	5	2	2	7	5	2	6	6	11	8	7	13	12	1
CONGENITAL MALFORMATIONS, ALL FORMS	A 127-A	129	1.004	14.3	572	432	800	76	28	10	10	5	7	6	12	10	9	11	5	4	6	-	-
Spina bifida and meningocele	A 127	98	1.4	44	54	84	10	12	-	1	1	5	5	4	3	5	5	4	1	1	2	-	-
Congenital malformations of circulatory system	A 128	492	7.0	285	207	396	36	18	4	5	5	2	3	7	5	5	10	4	1	2	5	-	-
All other congenital malformations	A 129	414	5.9	243	171	320	30	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries	A 130	540	7.7	321	219	537	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Postnatal asphyxia and atelectasis	A 131	688	9.8	403	285	688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn	A 132	126	2.5	93	83	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia of newborn	763	67	1.6	67	59	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhea of newborn	764	27	0.4	15	12	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infections of newborn	765-768	23	0.3	11	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homolytic disease of newborn	A 133	147	2.1	73	74	146	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other defined diseases of early infancy, and immaturity unqualified	A 134	55	0.8	30	25	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III-defined diseases peculiar to early infancy, and immaturity unqualified	A 135	1,368	19.5	751	617	1,368	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III-defined diseases	770	70	1.0	34	36	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
773	1,298	18.5	717	581	1,298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
774-776 Immaturity	A 136	133	1.9	63	70	-	1	2	1	5	1	5	12	6	10	14	21	19	30	27	23	13	5
Sensibility without mention of psychosis	A 137	220	3.1	144	76	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III-defined and unknown causes of mortality																							
ACCIDENTS, ALL FORMS	AE138-AE146	3,948	56.2	2,724	1,224	170	214	63	124	239	219	183	203	221	190	238	199	210	179	166	64	3	2
Motor vehicle accidents	AE147.4*	1,916	2.3	1,388	528	18	63	49	49	167	123	105	108	126	127	105	126	75	67	25	10	3	2
Other transport accidents	AE139	195	2.8	169	26	-	1	1	14	19	25	21	12	24	13	10	8	4	5	2	1	1	1
Accidental poisoning	AE140	118	1.7	61	37	2	19	1	2	5	4	6	9	17	20	16	7	6	2	4	-	1	-
Accidental falls	AE141	818	11.6	411	407	8	7	8	2	4	4	6	9	15	15	10	12	4	9	6	134	140	73
Accident caused by machinery	AE142	61	0.9	56	5	-	5	2	2	3	4	3	1	5	2	4	8	11	4	4	1	1	-
Accident caused by fire and explosion of combustible material	AE143	163	2.6	108	75	9	30	12	8	4	2	9	14	15	9	8	7	6	11	10	5	6	2
Accident caused by hot substance, corrosive liquid, steam, and radiation	AE144	33	0.5	18	15	2	13	-	-	10	5	6	4	5	3	2	1	3	1	2	-	3	-
Accident caused by firearm	AE145	60	0.9	54	6	5	5	-	-	10	5	6	4	5	3	2	1	5	6	4	1	1	-
Accidental drowning and submersion	AE146	220	3.1	189	31	5	29	31	30	18	13	15	10	12	4	9	6	4	5	6	3	2	-
Other accidental causes (Excl. E963, E964, E965) of violence (Excl. E963, E964, E965)	AE147.4*	344	4.9	250	94	126	22	12	9	9	19	7	12	17	14	9	15	11	10	14	13	9	7
Suicide and self-inflicted injury	AE148	693	9.9	546	147	-	-	-	3	9	33	40	42	52	74	69	79	77	67	46	44	30	16
Homicide and injury purposely inflicted by other persons (not in war)	AE149	230	3.3	164	66	7	5	1	5	8	22	36	30	25	26	29	15	10	2	4	2	1	-
Late effects of war injury (E965)	AE147.3*	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, AND AGE
MICHIGAN 1954

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Sixth Revision of International List, 1948. Rates per 100,000 population.)

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

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

Cause of Death	Int. List No.	Total Number	Rate	Sex	Age in Years									
					Under 1	5	10	15	20	25	30	35	40	45
Malignant neoplasm of breast and genito-urinary organs (10-16)	170	2,985	42.5	Male	906	-	9	3	4	1	13	25	81	163
Breast	912	18.0	7	Female	906	-	9	4	1	-	7	20	30	66
Cervix uteri	171	358	5.1	-	356	-	1	-	-	-	2	12	23	54
Corpus uteri	172	46	0.7	-	46	-	-	-	-	-	3	4	7	1
Other parts of uterus, including chorionepithelioma	173	3.4	0.0	-	3	-	-	-	-	-	1	-	-	-
Ovary, Fallopian tube, and broad ligament	174	214	3.0	-	214	-	-	-	-	-	1	-	-	-
Uterus, unspecified	175	348	5.0	-	348	-	3	1	2	2	1	-	-	-
Other and unspecified female genital organs	176	40	0.6	-	40	-	-	-	-	-	1	-	-	-
Prostate	177	543	7.7	-	543	-	-	-	-	-	1	-	-	-
Testis	178	29	0.4	-	29	-	-	-	-	-	1	-	-	-
Other and unspecified male genital organs	179	9	0.1	-	9	-	-	-	-	-	1	-	-	-
Kidney	180	183	2.6	-	110	73	-	7	3	-	-	-	-	-
Bladder and other urinary organs	181	300	4.3	-	207	93	-	-	-	-	1	2	4	2
Malignant neoplasm of other and unspecified sites (190-199)	182	1,006	14.3	-	461	4	26	12	16	15	13	9	31	38
Melanoma of skin	190	554	0.6	-	30	24	-	-	-	-	1	2	4	9
Skin, other	191	72	1.0	-	47	25	-	-	-	-	1	2	3	2
Eye	192	8	0.1	-	4	4	-	-	-	-	1	2	3	2
Brain and other parts of nervous system	193	261	3.7	-	152	109	4	12	9	7	3	5	17	27
Thyroid Gland	194	42	0.6	-	18	24	-	-	-	-	1	-	-	-
Other endocrine glands	195	12	0.2	-	4	8	-	-	-	-	1	-	-	-
Bone (including jaw bone)	196	97	1.4	-	61	36	-	3	2	6	7	4	2	6
Connective tissue	197	33	0.5	-	18	15	-	-	-	-	1	2	7	5
Dymph nodes	198	13	0.2	-	8	5	-	-	-	-	1	2	1	1
Unspecified	199	.1	0.1	-	5	3	-	-	-	-	1	2	1	1
Secondary	200	413	5.9	-	202	211	-	-	-	-	1	2	1	1
Other and unspecified sites, not stated to be secondary	201	.2	0.0	-	1	1	-	-	-	-	1	-	-	-
Unspecified site, not stated to be secondary	202	.5	0.1	-	2	2	-	-	-	-	1	-	-	-
Brain and other parts of nervous system (including jaw bone), specified as secondary	203	.6	0.1	-	2	2	-	-	-	-	1	-	-	-
Secondary as secondary of any other site except liver, thoracic organs, and lymph nodes	204	.7	0.0	-	2	-	-	-	-	-	1	-	-	-
Generalized and secondary of multiple specified sites, with primary site not indicated	205	.8	1.9	-	69	66	-	-	-	-	1	2	6	8
Generalized or disseminated (primary), (secondary), with no site specified	206	.9	1.8	-	65	64	-	-	-	-	1	1	1	1
Malignant neoplasms of lymphatic and hematopoietic tissues (200-205)	207	887	12.6	-	503	384	6	45	28	21	14	20	30	45
Lymphosarcoma and reticulosarcoma	208	178	2.5	-	103	76	-	3	4	-	1	2	3	44
Reticulum cell sarcoma	209	.0	0.5	-	23	11	59	-	2	4	1	2	3	12
Other primary malignant neoplasms of lymphoid tissue	210	130	1.9	-	71	59	-	2	4	-	1	2	3	9
Hodgkin's disease	211	113	1.6	-	68	50	37	2	5	-	1	2	3	1
Other forms of lymphoma (reticulososis)	212	.07	1.2	-	50	42	39	4	36	24	18	9	10	6
Multiple myeloma (plasmacytoma)	213	73	1.0	-	73	62	239	196	4	3	6	3	3	1
Leukemia and leukemia	214	485	6.2	-	42	37	2	5	-	1	2	3	7	11
Cytrophic leukemia	215	.0	1.8	-	62	59	1	13	6	3	4	2	1	4
Myeloid leukemia	216	148	2.1	-	81	67	17	11	2	5	6	11	13	15
Monocytic leukemia	217	.28	0.4	-	74	22	1	8	3	2	1	2	1	2
Acute leukemia, unspecified type	218	.3	0.7	-	38	37	2	12	10	3	1	2	1	5
Other and unspecified leukemia	219	.4	1.0	-	1	1	-	-	-	-	1	2	1	1
Mycosis fungoides	220	.75	1.0	-	3	1	-	-	-	-	1	2	1	1
Benign neoplasm (210-229)	221	118	1.7	-	34	64	1	1	2	1	2	7	6	16
Other parts of digestive system	222	117	0.1	-	4	3	-	-	-	-	1	1	1	1
Digestive organs	223	212	2.0	-	2	-	-	-	-	-	1	2	1	1
Respiratory system	224	27	0.4	-	27	-	-	-	-	-	1	2	1	1
Urinary Thromboma	225	9	0.1	-	9	-	-	-	-	-	1	1	1	1
Uterus, other	226	17	0.2	-	17	-	-	-	-	-	1	1	1	1
Ovary	227	16	0.2	-	17	-	-	-	-	-	1	1	1	1
Kidney and other urinary organs	228	3	0.0	-	3	-	-	-	-	-	1	1	1	1
Pilonidal cyst	229	1	0.0	-	1	-	-	-	-	-	1	1	1	1
Brain and other parts of nervous system	230	231	2.0	-	1	-	-	-	-	-	1	2	1	1
Endocrine glands	232	5	0.1	-	4	1	-	-	-	-	1	1	1	1
Bone and cartilage	233	236	4	-	2	1	-	-	-	-	1	1	1	1
Muscular and connective tissue, other	234	39	0.6	-	1	1	-	-	-	-	1	1	1	1
Hemangioma and lymphangioma	235	237	1.1	-	1	1	-	-	-	-	1	1	1	1
Other and unspecified organs and tissues	236	238	1.0	-	1	1	-	-	-	-	1	1	1	1
Nephritis of unspecified nature (230-239)	237	64	0.9	-	37	-	-	-	-	-	1	2	3	5
Digestive organs	238	5	0.1	-	4	1	-	-	-	-	1	2	1	1
Respiratory organs	239	5	0.1	-	2	1	-	-	-	-	1	2	1	1
Other genito-urinary organs	240	4	0.1	-	1	1	-	-	-	-	1	1	1	1
Brain and other parts of nervous system	241	3	0.1	-	3	2	-	-	-	-	1	1	1	1
Other and unspecified organs	242	1	0.0	-	1	1	-	-	-	-	1	1	1	1
Other and unspecified organs	243	10	0.1	-	3	7	-	-	-	-	1	1	1	1

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

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	Sex Male Female	AGE IN YEARS										Not Stated										
					Under 1	1 Year	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
VII Diseases of the circulatory system																									
Rheumatic fever without mention of heart involvement	400	8	0.1	1	23	-	12	4	-	1	2	3	1	1	3	1	2	3	-	-	-	-	-	-	-
Rheumatic fever with heart involvement	401	29	0.4	13	16	-	2	-	10	4	-	1	2	1	1	1	1	1	1	1	1	1	1	1	-
Active rheumatic pericarditis	401.0	7	0.1	1	6	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	
Active rheumatic endocarditis	401.1	2	0.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Active rheumatic fever with other and multiple types of heart involvement	402.0	20	0.3	10	10	-	10	4	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Chorea, without mention of heart involvement	402.1	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chronic rheumatic heart disease (410-416)	410	847	12.1	124	423	-	1	-	15	11	27	35	49	59	100	100	97	93	76	46	31	22	8	-	
Diseases of mitral valve	411	327	4.7	160	167	-	1	-	1	15	11	11	16	18	40	36	22	23	14	13	6	-	-	-	
Diseases of tricuspid valve	412	54	0.8	42	12	-	-	-	-	-	-	-	4	5	7	2	9	10	3	1	1	-	-	-	
Other myocarditis specified as rheumatic	415	29	0.4	18	24	-	-	-	-	-	-	-	2	6	1	4	6	2	8	1	3	2	1	-	
Other myocarditis specified as rheumatic	416	393	5.6	188	205	-	-	-	-	11	8	16	17	20	31	37	29	46	49	33	16	12	7	2	
Other heart disease specified as rheumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arteriosclerotic and degenerative heart disease (420-422)	418	16,007	256.4	11,605	6,402	3	4	1	1	4	18	62	164	382	617	1,071	1,651	2,177	2,637	2,701	2,616	2,066	1,219	603	4
Arteriosclerotic heart disease, including coronary disease	420.0	15,622	222.4	10,329	5,293	1	-	-	1	2	12	51	149	370	587	1,038	1,545	2,039	2,388	2,365	2,173	1,607	697	393	4
Arteriosclerotic heart disease, so described	420.1	5,046	71.9	2,614	2,334	1	-	-	-	-	3	27	48	130	267	457	687	845	958	839	530	255	-	-	-
Heart disease specified as involving coronary arteries	420.2	10,539	150.0	7,495	3,044	-	-	-	-	-	1	2	12	51	145	342	539	907	1,275	1,575	1,697	1,512	1,210	766	364
Angina pectoris without mention of coronary disease	421.0	35	0.5	20	15	-	-	-	-	-	-	-	3	1	-	1	3	7	4	3	5	3	2	-	
Chronic endocarditis not specified as rheumatic	421.1	270	3.8	147	123	-	-	-	-	-	-	-	3	1	-	5	23	24	34	43	45	5	4	4	
Of mitral valve, specified as nonrheumatic	421.2	21	0.3	6	15	-	-	-	-	-	-	-	2	1	-	9	7	7	9	3	3	2	1	-	
Of aortic valve, not specified as rheumatic	421.3	58	0.8	46	12	-	-	-	-	-	-	-	2	1	-	5	13	15	26	34	30	20	13	-	
Other and ill-defined, not specified as rheumatic	421.4	191	2.7	95	96	2	4	1	1	3	2	3	8	12	9	25	28	63	114	215	293	407	416	297	
Other myocardial degeneration	422.0	2,115	30.1	1,129	986	1	-	-	-	-	-	-	2	1	-	2	25	41	101	133	176	214	157	104	
With arteriosclerosis	422.1	1,154	13.6	503	455	2	4	1	1	3	2	3	6	10	6	23	26	56	73	113	160	231	202	140	
Other	422.2	1,154	16.4	624	530	2	4	1	1	3	2	3	6	10	6	23	26	56	73	113	160	231	202	140	
Other diseases of heart (430-434)	430	926	13.2	574	352	3	3	4	2	2	4	4	6	6	25	37	47	75	107	120	131	132	104	73	39
Acute and subacute bacterial endocarditis	430.0	26	0.4	17	9	7	1	1	1	1	1	1	1	1	1	1	2	2	4	2	2	1	1	-	
Other acute endocarditis	431.0	6	0.1	13	13	7	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	-	
Acute myocarditis not specified as rheumatic	432.0	86	1.2	43	43	-	-	-	-	-	-	-	3	1	-	3	7	12	13	14	14	5	10	1	
Acute pericarditis not specified as nonrheumatic	432.1	107	1.5	63	44	-	-	-	-	-	-	-	2	1	-	3	11	10	16	15	16	15	7	4	
Functional disease of heart	433.0	23	0.3	20	3	41	41	255	2	1	1	1	1	1	1	1	3	2	8	7	11	14	12	6	
Heart block	434.0	706	10.1	451	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	-	
Other disorders of heart rhythm	434.1	1	0.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Other and unspecified diseases of heart	434.2	299	4.3	182	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kyphoscoliotic heart disease	434.3	12	0.7	29	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Congestive heart failure	434.4	360	5.1	240	120	2	2	1	1	1	1	1	1	1	1	1	10	13	21	34	53	42	47	42	
Left ventricular failure	434.5	23	0.3	23	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other and unspecified disease of heart	434.6	2,937	41.8	1,349	1,588	-	-	-	-	-	1	3	6	20	61	98	190	222	280	391	473	434	391	233	
Hypertensive disease (440-447)	440.0	441	20	0.3	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Essential benign hypertension with heart disease	440.1	442	592	8.4	279	313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Essential malignant hypertension with heart disease	440.2	1,966	28.0	861	1,105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hypertensive heart disease with arteriolar nephrosclerosis	444.0	86	1.2	49	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other and unspecified hypertensive heart disease	444.1	174	2.5	104	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Essential benign hypertension without mention of heart	444.2	447	66	1.0	23	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Essential malignant hypertension without mention of heart	445.0	1,447	20.6	794	653	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
With gangrene	445.1	1,170	16.7	599	571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
With gangrene, specified as nonsyphilitic, and dissecting aneurysm	445.2	1,084	18.4	542	542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other aneurysm, except of heart and aorta	445.3	13	0.2	11	2	57	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Peripheral vascular disease	446.0	446	2.5	104	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Thrombo-angiitis obliterans	446.1	1,74	1.1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other	446.2	454	14	0.2	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arterial embolism and thrombosis	446.3	455	8	0.1	5	3	17	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gangrene of unspecified cause	446.4	456	35	0.5	17	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases of arteries	446.5	457	15	0.2	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases of arteries	446.6	458	15	0.2	12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
General arteriosclerosis	446.7	459	15	0.2	11	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
With gangrene	446.8	1,066	28.0	861	1,105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aortic stenosis, specified as nonsyphilitic, and dissecting aneurysm	447.0	447	1.2	49	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other aneurysm, except of heart and aorta	447.1	86	1.2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arterial embolism and thrombosis	447.2	448	2.5	104	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gangrene of arteries	447.3	449	1.1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases of arteries	447.4	450	1,447	20.6	794	653	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
With gangrene	447.5	1,170	16.7	599	571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aortic stenosis, specified as nonsyphilitic, and dissecting aneurysm	447.6	1,084	18.4	542	542																				

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	Sex	AGE IN YEARS										Not Stated	
					Under 1 Year	1 -	5 -	10 -	15 -	20 -	25 -	30 -	35 -	40 -		
Diseases of veins and other diseases of circulatory system (460-463)	460	113	1.6	68	45	3	-	-	-	1	2	2	3	9	14	8
Varicose veins of lower extremities	461	8	0.1	5	3	2	-	-	-	1	1	1	1	1	1	2
Hemorrhoids	462	5	0.1	3	2	1	-	-	-	1	1	1	1	1	1	1
Varicose veins of other specified sites	.1	12	0.2	8	4	-	-	-	-	1	1	2	2	1	1	1
Esophagus	.2	11	0.2	7	4	-	-	-	-	1	1	1	1	1	1	1
Other	.3	1	0.0	1	-	-	-	-	-	1	1	1	1	1	1	1
Phlebitis and thrombophlebitis of lower extremities	463	27	0.4	15	12	-	-	-	-	1	1	1	1	1	1	1
Pulmonary embolism and infarction	464	4	0.1	3	1	-	-	-	-	1	1	1	1	1	1	1
Other venous embolism and thrombosis	465	25	0.4	14	11	-	-	-	-	1	1	1	1	1	1	1
Other diseases of circulatory system	466	18	0.3	10	6	-	-	-	-	1	1	1	1	1	1	1
Hypotension	467	12	0.2	9	3	-	-	-	-	1	1	1	1	1	1	1
Diseases of capillaries	.0	3	0.0	3	-	-	-	-	-	1	1	1	1	1	1	1
Other and unspecified circulatory diseases	.1	2	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Certain diseases of lymph nodes and lymph channels, nonspecific mesenteric lymphadenitis	.2	7	0.1	5	2	1	-	-	-	1	1	1	1	1	1	1
466.1	2	0.0	1	1	-	-	-	-	-	1	1	1	1	1	1	1
VIII Diseases of the respiratory system																
Acute upper respiratory infections (470-475)	470	36	0.5	26	12	17	7	3	-	1	1	1	1	1	1	1
Acute pharyngitis (common cold)	472	6	0.1	3	3	1	-	-	-	1	1	1	1	1	1	1
Sore throat, unqualified	.0	1	0.0	-	1	1	-	-	-	1	1	1	1	1	1	1
Other	.1	5	0.1	3	2	1	2	-	-	1	1	1	1	1	1	1
Acute tonsillitis	.2	4	0.1	4	1	1	2	-	-	1	1	1	1	1	1	1
Acute laryngitis and tracheitis	.3	473	4	0.1	2	1	1	1	-	1	1	1	1	1	1	1
Acute upper respiratory infection of multiple or unspecified sites	.4	474	4	0.1	2	1	1	1	-	1	1	1	1	1	1	1
Influenza (480-483)	480	57	0.8	25	32	13	6	-	-	2	1	3	2	1	4	3
With pneumonia	481	19	0.3	6	11	6	2	-	-	2	1	2	1	1	3	1
With other respiratory manifestations, and influenza unqualified	482	32	0.5	15	17	4	-	-	-	3	1	1	1	3	6	1
With digestive manifestations, but without respiratory symptoms	483	6	0.1	2	4	3	1	-	-	-	-	-	-	2	-	-
Pneumonia (490-493)	490	1,360	19.6	887	523	329	87	10	9	12	11	13	12	30	33	56
Lobar pneumonia	491	432	6.2	277	155	39	19	3	3	5	6	5	6	10	18	28
Bronchopneumonia	492	584	8.3	355	229	149	37	5	4	5	5	5	6	15	19	30
Primary atypical pneumonia	493	155	2.2	98	57	58	17	1	2	2	1	2	6	6	8	11
Pneumonia, other and unspecified	.0	209	3.0	127	62	63	14	1	2	1	1	1	6	14	11	14
Bronchitis (500-502)	500	132	1.9	88	44	39	13	-	-	-	-	1	1	5	8	19
Acute bronchitis	.1	45	0.6	24	21	19	7	-	-	1	2	1	1	1	7	4
Chronic bronchitis	.2	61	0.9	42	13	3	-	-	-	1	2	1	1	1	1	1
Bronchitis with emphysema	.3	56	0.8	37	19	7	-	-	-	1	2	1	1	1	1	1
Other	.4	51	0.1	5	5	5	-	-	-	1	2	1	1	1	1	1
Other diseases of respiratory system (510-527)	510	433	6.2	314	119	41	11	11	1	2	4	3	6	11	29	38
Hypertrophy of tonsils and adenoids	.1	12	0.2	5	7	4	6	1	-	1	1	1	1	1	1	1
Without mention of tonsillectomy or adenoidectomy	.2	511	1.1	1	0.0	1	1	-	-	1	2	1	1	1	1	1
With tonsillectomy or adenoidectomy	.3	512	2	0.0	-	2	-	-	-	1	2	1	1	1	1	1
Peritonsillar abscess (quinsy)	.4	513	3	0.0	1	2	-	-	-	1	2	1	1	1	1	1
Chronic sinusitis	.5	514	6	0.1	5	1	1	-	-	1	2	1	1	1	1	1
Other diseases of upper respiratory tract	.6	515	10	0.1	7	3	3	-	-	1	2	1	1	1	1	1
Epiphora	.7	516	0.2	5	7	-	-	-	-	1	1	1	1	1	1	1
Pleurisy	.8	517	6	0.1	6	3	-	-	-	1	1	1	1	1	1	1
Without mention of effusion or tuberculous	.9	518	14	0.2	9	5	3	-	-	1	1	1	1	1	1	1
With effusion with mention of bacterial cause	.0	519	9	0.1	6	3	-	-	-	1	1	1	1	1	1	1
Other	.1	1	0.0	1	-	-	-	-	-	1	1	1	1	1	1	1
Other specified forms of effusion, except tuberculous	.2	520	3	0.0	3	2	-	-	-	1	1	1	1	1	1	1
Spontaneous pneumothorax	.3	521	20	0.3	15	5	-	-	-	1	1	1	1	1	1	1
Abscess of lung	.4	522	45	0.6	22	23	1	-	-	1	1	1	1	2	2	7
Pulmonary congestion and hypostasis	.5	523	30	0.4	29	1	-	-	-	1	1	1	1	3	6	7
Pneumoniosis due to silica and silicates (occupational)	.6	524	1	0.0	1	-	-	-	-	1	1	1	1	1	1	1
Silicosis	.7	525	25	0.4	24	1	-	-	-	1	1	1	1	2	3	5
Anthracosilicosis	.8	526	3	0.0	3	-	-	-	-	1	1	1	1	1	1	1
Other, including pneumoconiosis unspecified	.9	527	158	0.8	42	17	-	-	-	1	1	1	1	1	1	1
Other specified pneumoconiosis and pulmonary fibrosis of occupational origin	.0	528	59	2.2	128	30	23	5	1	1	1	1	1	1	1	1
Other chronic interstitial pneumonia	.1	529	158	0.5	3	2	-	-	-	1	1	1	1	1	1	1
Bronchiectasis	.2	530	106	1.5	93	13	2	-	-	1	1	1	1	1	1	1
Other diseases of lung and pleural cavity	.3	531	47	0.7	32	15	21	-	-	1	1	1	1	1	1	1
Pulmonary collapse (1 year and over)	.4	532	3	0.0	-	-	-	-	-	1	1	1	1	1	1	1
Empyema	.5	533	1	0.0	1	-	-	-	-	1	1	1	1	1	1	1
Abscess of lung	.6	534	1	0.0	1	-	-	-	-	1	1	1	1	1	1	1
Other	.7	535	1	0.0	1	-	-	-	-	1	1	1	1	1	1	1
Emphysema without mention of bronchitis (other)	.8	536	1	0.0	1	-	-	-	-	1	1	1	1	1	1	1

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

CAUSE OF DEATH	INT. LIST NO.	TOTAL NUMBER	SEX RATE	AGE IN YEARS	AGE IN YEARS												
					Under 1	5	10	15	20	25	30	35	40	45	50	55	
IX Diseases of the digestive system					Under 1	5	10	15	20	25	30	35	40	45	50	55	
Diseases of buccal cavity and esophagus (530-539)					1	1	1	1	1	1	1	1	1	1	1	1	1
Other inflammatory diseases of supporting structures of teeth	532.3	32	0.5	20	12	3	4	-	-	-	-	-	-	-	-	-	-
Other diseases of teeth and supporting structures	535.1	2	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Stomatitis	536.2	2	0.0	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of salivary glands	537.5	5	0.1	2	3	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of esophagus	539.0	22	0.3	17	5	3	2	-	-	-	-	-	-	-	-	-	-
Functional disorders of esophagus	539.1	2	0.0	1	1	1	1	-	-	-	-	-	-	-	-	-	-
Other	539.2	20	0.3	16	4	3	2	-	-	-	-	-	-	-	-	-	-
Diseases of stomach and duodenum (540-545)					32	0.5	20	12	3	4	-	-	-	-	-	-	-
Ulcer of stomach	540.0	32	0.5	20	12	3	4	-	-	-	-	-	-	-	-	-	-
Without mention of perforation	540.1	1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With perforation	541.0	1	0.0	1.1	1.1	1.1	1.1	-	-	-	-	-	-	-	-	-	-
Ulcer of duodenum	541.1	185	2.6	149	36	15	15	-	-	-	-	-	-	-	-	-	-
Without mention of perforation	541.2	117	1.7	95	22	1	1	-	-	-	-	-	-	-	-	-	-
With perforation	541.3	68	1.0	54	14	1	1	-	-	-	-	-	-	-	-	-	-
GastricJejunal ulcer	542.0	13	0.2	9	4	1	1	-	-	-	-	-	-	-	-	-	-
Without mention of perforation	542.1	6	0.1	5	1	1	1	-	-	-	-	-	-	-	-	-	-
With perforation	542.2	7	0.1	4	3	1	1	-	-	-	-	-	-	-	-	-	-
Gastritis and duodenitis	543.0	11	0.2	9	2	1	1	-	-	-	-	-	-	-	-	-	-
Disorders of function of stomach	544.0	4	0.1	2	2	1	1	-	-	-	-	-	-	-	-	-	-
Disorders of gastric motility	544.1	3	0.0	2	1	1	1	-	-	-	-	-	-	-	-	-	-
Other	545.0	10	0.1	6	4	1	1	-	-	-	-	-	-	-	-	-	-
Other diseases of stomach and duodenum	545.1	1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)					97	1.4	63	34	1	1	3	5	3	4	6	9	10
Acute appendicitis	550.0	94	1.3	62	32	1	1	3	5	3	1	2	1	1	1	1	1
Without mention of peritonitis	550.1	12	0.2	6	6	1	1	2	5	1	1	2	1	1	1	1	1
With peritonitis	551.0	62	1.2	56	26	1	1	2	4	1	1	2	1	1	1	1	1
Appendicitis, unqualified	551.1	3	0.0	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Hernia of abdominal cavity without mention of obstruction (560-561)					180	2.6	105	75	25	1	-	-	2	8	10	19	25
Inguinal	560.0	62	0.9	44	18	17	1	-	-	-	1	2	1	1	1	1	1
Umbilical	560.1	22	0.3	20	2	2	1	-	-	-	1	1	1	1	1	1	1
Ventral (incisional)	560.2	10	0.1	3	7	6	6	-	-	-	1	1	1	1	1	1	1
Other specified site	560.3	6	0.1	2	4	1	1	-	-	-	1	1	1	1	1	1	1
Unspecified site	560.4	15	0.2	10	5	7	7	-	-	-	1	1	1	1	1	1	1
Hernia of abdominal cavity with obstruction					561.0	118	1.7	61	57	6	1	-	1	1	1	1	1
Inguinal	561.1	37	0.5	32	5	1	1	-	-	-	1	1	1	1	1	1	1
Femoral	561.2	12	0.2	4	6	1	1	-	-	-	1	1	1	1	1	1	1
Umbilical	561.3	14	0.2	5	2	1	1	-	-	-	1	1	1	1	1	1	1
Ventral (incisional)	561.4	28	0.4	10	18	18	17	-	-	-	1	1	1	1	1	1	1
Other specified site	561.5	11	0.2	3	3	2	2	-	-	-	1	1	1	1	1	1	1
Hernia of abdominal cavity without mention of obstruction					561.6	0.2	7	7	6	6	1	-	-	-	-	-	-
Inguinal					561.7	9	2	1	1	1	1	-	-	-	-	-	-
Ventral (incisional)					561.8	7	1	1	1	1	1	-	-	-	-	-	-
Other specified site					561.9	1	1	1	1	1	1	-	-	-	-	-	-
Unspecified site					561.10	1	1	1	1	1	1	-	-	-	-	-	-
Other diseases of intestines and peritoneum (570-578)					543.0	7.7	297	246	130	29	5	1	2	1	1	1	1
Intestinal obstruction without mention of hernia					570.0	162	2.6	84	98	14	3	1	1	1	1	1	1
Intussusception	570.1	8	0.1	6	2	4	1	-	-	-	1	1	1	1	1	1	1
Paralytic ileus	570.2	7	0.1	2	5	1	1	-	-	-	1	1	1	1	1	1	1
Mesenteric infarction	570.3	43	0.6	19	24	16	12	3	1	1	1	1	1	1	1	1	1
Volvulus	570.4	26	0.4	16	12	3	1	-	-	-	1	1	1	1	1	1	1
Impaction of intestine	570.5	4	0.1	3	1	1	1	-	-	-	1	1	1	1	1	1	1
Other	570.6	92	1.3	38	54	5	2	-	-	-	1	1	1	1	1	1	1
Gastro-enteritis and colitis, except ulcerative, age 4 weeks and over					571.0	192	2.7	109	83	113	35	3	1	2	1	1	1
Ages between 4 weeks and 2 years	571.1	131	1.9	78	53	113	30	17	3	2	1	1	1	1	1	1	1
Ages 2 years and over	571.2	61	0.9	53	42	1	1	1	1	1	1	1	1	1	1	1	1
Chronic enteritis and ulcerative colitis	571.3	95	1.4	44	33	25	16	1	1	1	1	1	1	1	1	1	1
Regional enteritis	571.4	0	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Diverticulitis	571.5	56	0.8	33	16	1	1	-	-	-	1	1	1	1	1	1	1
Ulcerative colitis	571.6	30	0.4	14	16	1	1	-	-	-	1	1	1	1	1	1	1
Other	571.7	3	0.1	4	4	1	1	-	-	-	1	1	1	1	1	1	1
Functional disorders of intestines, mucous colitis	571.8	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Abscess of anal and rectal regions	571.9	12	0.2	7	5	1	1	-	-	-	1	1	1	1	1	1	1
Peritonitis	571.10	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Peritoneal adhesion	571.11	21	0.2	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Suppurative hepatitis and liver abscess	571.12	16	0.8	42	16	1	1	-	-	-	1	1	1	1	1	1	1
Other diseases of intestines and peritoneum	571.13	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Diseases of liver, gallbladder, and pancreas (580-587)					1,148	16.3	670	478	10	12	2	1	1	1	1	1	1
Cholelithiasis	580.0	38	0.5	19	19	1	1	-	-	-	1	1	1	1	1	1	1
Cholelithiasis without mention of calculi	580.1	677	9.6	467	210	2	1	-	-	-	1	1	1	1	1	1	1
Acute and subacute yellow atrophy of liver	580.2	567	6.4	398	169	2	1	-	-	-	1	1	1	1	1	1	1
Cirrhosis of liver	580.3	90	1.3	69	21	1	1	-	-	-	1	1	1	1	1	1	1
Without mention of alcoholism	580.4	27	0.4	11	16	2	1	-	-	-	1	1	1	1	1	1	1
With alcoholism	580.5	5	0.1	2	3	1	1	-	-	-	1	1	1	1	1	1	1
Suppurative hepatitis and liver abscess	580.6	58	0.8	42	16	1	1	-	-	-	1	1	1	1	1	1	1
Other diseases of liver	580.7	23	0.3	8	15	1	1	-	-	-	1	1	1	1	1	1	1
Cholelithiasis	580.8	188	2.7	63	125	-	-	-	-	-	1	1	1	1	1	1	1
Acute and subacute yellow atrophy of liver	580.9	97	1.4	42	55	-	-	-	-	-	1	1	1	1	1	1	1
Cirrhosis of liver	580.10	37	0.5	398	22	15	1	-	-	-	1	1	1	1	1	1	1
Without mention of alcoholism	580.11	57	1.1	44	33	19	5	1	-	-	1	1	1	1	1	1	1
With alcoholism	580.12	52	0.7	33	16	1	1	-	-	-	1	1	1	1	1	1	1
Suppurative hepatitis and liver abscess	580.13	4	0.1	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Other	580.14	4	0.1	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Cholelithiasis	580.15	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Acute and subacute yellow atrophy of liver	580.16	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Cirrhosis of liver	580.17	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Without mention of alcoholism	580.18	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
With alcoholism	580.19	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Suppurative hepatitis and liver abscess	580.20	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Other	580.21	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Cholelithiasis	580.22	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Acute and subacute yellow atrophy of liver	580.23	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Cirrhosis of liver	580.24	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Without mention of alcoholism	580.25	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
With alcoholism	580.26	1	0.0	1	1	1	1	-	-	-	1	1	1	1	1	1	1
Suppurative hepatitis and liver abscess	580																

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

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

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Total Rate	Sex Female	AGE IN YEARS										Not Stated	
					Under 1 Year	1	5	10	15	20	25	30	35	40	45	
Accidental poisoning by solid and liquid substances (continued)																
Barbituric acid and derivatives	E871	.0	.2	2	10	-	1	-	-	-	-	-	-	-	-	-
Home		.7	.1	-	7	-	1	-	-	-	-	-	-	-	-	-
Public building		.6	.0	-	1	-	1	-	-	-	-	-	-	-	-	-
Place not specified		.9	.4	.1	2	2	-	-	-	-	-	-	-	-	-	-
Aspirin and salicylates	E872	.0	10	.1	4	6	-	8	-	-	-	-	-	-	-	-
Home		5	.1	-	5	4	-	-	-	-	-	-	-	-	-	-
Place not specified		.0	5	.1	4	1	-	-	-	-	-	-	-	-	-	-
Broadbents, place not specified	E873	.9	5	.1	4	1	-	-	-	-	-	-	-	-	-	-
Other analgesic and soporific drugs	E874	.2	0	0	1	1	-	-	-	-	-	-	-	-	-	-
Home		1	0	0	1	1	-	-	-	-	-	-	-	-	-	-
Place not specified		.0	1	0	0	1	-	-	-	-	-	-	-	-	-	-
Belladonna, hyosine, and atropine, home	E877	.0	2	0	0	1	1	-	-	-	-	-	-	-	-	-
Other and unspecified drugs, home	E878	.0	1	0	0	1	1	-	-	-	-	-	-	-	-	-
Alcohol	E880	10	0	1	0	1	7	3	-	-	-	-	-	-	-	-
Home		0	1	0	1	0	1	-	-	-	-	-	-	-	-	-
Other specified places	E881	.8	1	0	0	1	1	-	-	-	-	-	-	-	-	-
Place not specified	E881	.9	8	0	1	6	2	-	3	-	-	-	-	-	-	-
Petroleum products	E881	.4	0	1	2	2	2	1	3	-	-	-	-	-	-	-
Home		0	2	0	0	1	2	1	2	-	-	-	-	-	-	-
Place not specified	E882	.9	2	0	0	1	2	1	2	-	-	-	-	-	-	-
Industrial solvents, home	E882	0	1	0	0	1	1	1	1	-	-	-	-	-	-	-
Lead and its compounds	E885	2	0	0	1	1	1	1	1	-	-	-	-	-	-	-
Home		0	1	0	1	0	1	1	1	-	-	-	-	-	-	-
Industrial place and premises	E888	.3	1	0	0	1	1	1	1	-	-	-	-	-	-	-
Other and unspecified solid and liquid substances	E888	9	0	1	0	1	7	2	3	1	-	-	-	-	-	-
Home		4	0	1	3	1	1	1	1	-	-	-	-	-	-	-
Public building	E888	.6	4	0	0	1	2	1	1	-	-	-	-	-	-	-
Resident institution	E888	.7	2	0	0	1	1	1	1	-	-	-	-	-	-	-
Place not specified	E888	.9	2	0	0	1	1	1	1	-	-	-	-	-	-	-
Accidental poisoning by gases and vapors (E890-E895)	E890	61	0	9	52	9	-	-	-	-	-	-	-	-	-	-
Utility (illuminating) gas		11	0	2	8	3	-	-	-	-	-	-	-	-	-	-
Home		1	0	1	7	2	-	-	-	-	-	-	-	-	-	-
Public building	E890	.6	1	0	0	1	-	-	-	-	-	-	-	-	-	-
Other specified places	E890	.8	1	0	0	1	4	1	1	-	-	-	-	-	-	-
Motor vehicle exhaust gas	E891	.8	29	0	4	25	10	1	1	-	-	-	-	-	-	-
Home		11	0	2	10	10	-	-	-	-	-	-	-	-	-	-
Farm		1	1	0	0	1	-	-	-	-	-	-	-	-	-	-
Industrial place and premises	E891	.3	1	0	0	1	1	1	1	-	-	-	-	-	-	-
Street and highway	E891	.5	10	0	1	7	3	-	-	-	-	-	-	-	-	-
Public building	E891	.6	3	0	0	3	-	-	-	-	-	-	-	-	-	-
Other specified places	E891	.8	1	0	0	1	-	-	-	-	-	-	-	-	-	-
Place not specified	E892	.9	2	0	0	2	-	-	-	-	-	-	-	-	-	-
Other carbon monoxide gas	E892	18	0	3	16	2	-	-	-	-	-	-	-	-	-	-
Home		16	0	2	14	2	-	-	-	-	-	-	-	-	-	-
Industrial place and premises	E894	.3	2	0	0	2	-	-	-	-	-	-	-	-	-	-
Other specified gases and vapors, home	E894	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-
Unspecified gases and vapors, other specified places	E895	2	0	0	2	-	-	-	-	-	-	-	-	-	-	-
Accidental falls (E900-E904)	E900	818	11.6	411	407	8	7	6	4	4	6	9	17	20	16	37
Fall on stairs		89	1.3	60	29	-	-	-	-	-	-	-	2	3	2	42
Home		7	1.0	47	24	-	-	-	-	-	-	-	1	3	1	6
Public building	E900	.6	5	0	2	-	-	-	-	-	-	-	1	3	2	5
Resident institution	E900	.7	2	0	1	-	-	-	-	-	-	-	1	1	1	1
Other specified places	E900	.8	5	1	4	1	-	-	-	-	-	-	2	1	1	1
Place not specified	E901	.9	4	0	1	3	-	-	-	-	-	-	1	2	2	1
Fall from ladders	Home	0	14	0	2	11	3	-	-	-	-	-	1	1	1	1
Farm		1	1	0	0	1	-	-	-	-	-	-	1	1	1	1
Industrial place and premises	E902	.3	5	0	1	5	-	-	-	-	-	-	1	1	1	1
Other specified places	E902	.6	138	2	0	2	-	-	-	-	-	-	1	1	1	1
Other falls from one level to another	Home	0	156	0	6	31	25	4	3	1	2	1	4	6	5	1
Farm		1	8	0	1	6	8	-	-	-	-	-	1	1	1	1
Mine and quarry		2	1	0	0	1	1	-	-	-	-	-	2	2	1	1
Industrial place and premises		3	15	0	2	15	16	-	-	-	-	-	3	1	1	1
Street and highway		5	6	0	1	6	-	-	-	-	-	-	2	1	1	1
Public building		6	4	0	1	4	-	-	-	-	-	-	2	2	1	1
Resident institution		7	26	0	13	13	-	-	-	-	-	-	12	13	12	13
Other specified places		8	19	0	3	16	3	-	-	-	-	-	1	1	1	1
Place not specified		9	3	0	0	1	-	-	-	-	-	-	1	1	1	1

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

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

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

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE

Exclusive of fetal deaths. Causes of death classified according to Sixth Revision of International List, 1946. Intermediate List of 150 causes with additional subdivisions indicated by detailed list numbers. Place of residence according to rural areas and urban incorporated areas having a 1950 population of 2,500 or more.)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TUBERCULOSIS		SYPHILIS			
AREA	All Causes	All	Total	A 1 Respiratory system	A 2 Meninges & central nervous system
CLINTON	344				
St. Johns	77				
Balance of County	267				
CRAWFORD	55				
DELA	335				
Escanaba	149				
Gladstone	39				
Balance of County	147				
DICKINSON	248				
Iron Mountain	118				
Kingsford	41				
Norway	27				
Balance of County	62				
EATON	460				
Charlotte	105				
Benton Rapids	33				
Grand Ledge	55				
Balance of County	267				
EMMETT	182				
Petoskey	66				
Balance of County	116				
GENESSEE	2,434				
Flint	1,547				
Fenton	57				
Mount Morris	30				
Balance of County	800				
GLADWIN	102				
GOGEBIC	332				
Ironwood	160				
Bessemer	38				
Makawie	37				
Balance of County	97				
GRAND TRAVERSE	250				
Traverse City	144				
Balance of County	106				
HILLSDALE	377				
Hilldale	80				
Balance of County	297				
GRATIOT	384				
Alma	74				
St. Louis	44				
Balance of County	266				
HOUGHTON	532				
Hancock	75				
Laurium	56				
Balance of County	349				
HURON	341				
Bad Axe	27				
Balance of County	314				
INDIANA	1,506				
Lansing	880				
Past. Lansing	63				
Mason	53				
Balance of County	510				
IONIA	451				
Belding	75				
Ionia	60				
Balance of County	21				

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	All Causes	T U B E R C U L O S I S		S Y P H I L I S		P R O T E R O B I O T I C S		C O M M U N I T A R Y		I N F E C T I O N S		N O R M A L	
		Total	Respiratory system	Congenital syphilis	Other forms	Infection	Other	Parasitic	Other	Parasitic	Other	Infectious	Other
TOSCO	140	-	-	-	-	-	-	-	-	-	-	-	-
IRON	213	4	4	-	-	-	-	-	-	-	-	-	-
Iron River	49	1	3	-	-	-	-	-	-	-	-	-	-
Balance of County	164	1	1	-	-	-	-	-	-	-	-	-	-
ISABELLA	251	1	1	-	-	-	-	-	-	-	-	-	-
Mount Pleasant	89	1	1	-	-	-	-	-	-	-	-	-	-
Balance of County	162	-	-	-	-	-	-	-	-	-	-	-	-
JACKSON	1,112	5	2	-	-	-	-	-	-	-	-	-	-
Jackson	623	3	1	-	-	-	-	-	-	-	-	-	-
Balance of County	489	-	-	-	-	-	-	-	-	-	-	-	-
KALAMAZOO	1,157	5	3	-	-	-	-	-	-	-	-	-	-
Kalamazoo	605	3	2	-	-	-	-	-	-	-	-	-	-
Balance of County	552	2	1	-	-	-	-	-	-	-	-	-	-
KALKASKA	61	-	-	-	-	-	-	-	-	-	-	-	-
KENT	2,964	13	11	-	-	-	-	-	-	-	-	-	-
Grand Rapids	2,001	9	8	-	-	-	-	-	-	-	-	-	-
E. Grand Rapids	45	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	918	4	3	-	-	-	-	-	-	-	-	-	-
KEDRONAW	43	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	62	1	1	-	-	-	-	-	-	-	-	-	-
LAPER	339	1	1	-	-	-	-	-	-	-	-	-	-
Lapeer	68	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	271	-	-	-	-	-	-	-	-	-	-	-	-
LEELANAU	86	2	2	-	-	-	-	-	-	-	-	-	-
LENAWEE	666	3	3	-	-	-	-	-	-	-	-	-	-
Adrian	198	-	-	-	-	-	-	-	-	-	-	-	-
Hudson	34	-	-	-	-	-	-	-	-	-	-	-	-
Tecumseh	54	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	380	1	2	-	-	-	-	-	-	-	-	-	-
LIVINGSTON	297	3	3	-	-	-	-	-	-	-	-	-	-
Howell	62	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	235	3	3	-	-	-	-	-	-	-	-	-	-
LUCE	55	-	-	-	-	-	-	-	-	-	-	-	-
Newberry	28	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	27	-	-	-	-	-	-	-	-	-	-	-	-
MACKINAC	116	44	44	-	-	-	-	-	-	-	-	-	-
St. Ignace	44	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	72	-	-	-	-	-	-	-	-	-	-	-	-
MACOMB	1,571	9	7	-	-	-	-	-	-	-	-	-	-
East Detroit	163	1	1	-	-	-	-	-	-	-	-	-	-
Mount Clemens	217	-	-	-	-	-	-	-	-	-	-	-	-
Roseville	160	-	-	-	-	-	-	-	-	-	-	-	-
St. Clair Shores	189	2	2	-	-	-	-	-	-	-	-	-	-
Centerline	73	1	1	-	-	-	-	-	-	-	-	-	-
Romeo	51	1	1	-	-	-	-	-	-	-	-	-	-
Balance of County	718	3	3	-	-	-	-	-	-	-	-	-	-
MANISTEE	254	-	-	-	-	-	-	-	-	-	-	-	-
Manistee	114	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	140	-	-	-	-	-	-	-	-	-	-	-	-
MARQUETTE	523	4	3	-	-	-	-	-	-	-	-	-	-
Ishpeming	104	1	1	-	-	-	-	-	-	-	-	-	-
Negaunee	75	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	153	2	1	-	-	-	-	-	-	-	-	-	-
MASON	225	-	-	-	-	-	-	-	-	-	-	-	-
Ludington	103	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	122	-	-	-	-	-	-	-	-	-	-	-	-

43 All other infectious diseases

diseases

life & pernicious

diseases

39 Hydatid disease

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TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS												AT5 Catarract
	TOTAL												
CLINTON St. Johns Balance of County	49	1	1	1	1	1	1	1	1	1	1	1	1
CRAWFORD	40	1	1	1	1	1	1	1	1	1	1	1	1
DELTA Escanaba Gladstone Balance of County	41	1	1	1	1	1	1	1	1	1	1	1	1
DICKINSON Iron Mountain Kingsford Norway Balance of County	16	1	1	1	1	1	1	1	1	1	1	1	1
EATON Charlotte Eaton Rapids Grand Ledge Balance of County	6	1	1	1	1	1	1	1	1	1	1	1	1
EMMET Pawoskey Balance of County	19	1	1	1	1	1	1	1	1	1	1	1	1
GENESEE Flint Fenton Mount Morris Balance of County	41	1	1	1	1	1	1	1	1	1	1	1	1
GRADIN Alma Balance of County	12	1	1	1	1	1	1	1	1	1	1	1	1
GOGEBIC Ironwood Bassmer Wakefield Balance of County	11	1	1	1	1	1	1	1	1	1	1	1	1
GRATIOT Alma St. Louis Balance of County	43	1	1	1	1	1	1	1	1	1	1	1	1
HUGHTON Hancock Houghton Laurium Balance of County	83	1	2	1	1	1	1	1	1	1	1	1	1
HILLSDALE Hillsdale Balance of County	46	2	1	1	1	1	1	1	1	1	1	1	1
HIRON Bad Axe Balance of County	51	1	1	1	1	1	1	1	1	1	1	1	1
INGHAM Lansing East Lansing Mason Balance of County	263	9	6	22	32	17	1	28	20	19	7	10	2
IONIA Beaumont Ionia Portland Balance of County	61	2	1	11	10	2	1	5	2	2	3	2	2

AREA

AT5 Catarract	1	1	1	1	1	1	1	1	1	1	1	1	1
AT3 Epilepsy	1	1	1	1	1	1	1	1	1	1	1	1	1
AT2 Multiple sclerosis	1	1	1	1	1	1	1	1	1	1	1	1	1
AT1 Meningoencephalitis	1	1	1	1	1	1	1	1	1	1	1	1	1
AT0 Vasculitis of nervous system	52	11	41	5	54	26	3	25	33	15	7	2	2
A69 Mental deficiency	1	1	1	1	1	1	1	1	1	1	1	1	1
A68 Psychoneuroses of personality	1	1	1	1	1	1	1	1	1	1	1	1	1
A67 Psychoses	1	1	1	1	1	1	1	1	1	1	1	1	1
A66 Allergic diathesis	2	1	1	1	1	1	1	1	1	1	1	1	1
A65 Atmellites	1	1	1	1	1	1	1	1	1	1	1	1	1
A64 Atypical infections of other sites	10	10	10	-	13	5	1	7	4	2	1	1	1
A63 Diabetes mellitus	10	10	10	-	2	2	2	1	1	1	1	1	1
A62 Thrombocytopenia with or without other disorder	1	1	1	1	1	1	1	1	1	1	1	1	1
A61 Nephritis goutier	1	1	1	1	1	1	1	1	1	1	1	1	1
A60 Beriberi neuropathies & peripheral neuritis	1	1	1	1	1	1	1	1	1	1	1	1	1
A59 Leukemia & lymphoma	1	1	1	1	1	1	1	1	1	1	1	1	1
A58 Other specified sites	19	14	14	1	12	1	3	1	1	1	1	1	1
A57 Other & unspecified sites	1	1	1	1	1	1	1	1	1	1	1	1	1
A56 Bone & cartilaginous tissue	1	1	1	1	1	1	1	1	1	1	1	1	1
A55 Skin	1	2	1	1	1	1	1	1	1	1	1	1	1
A54 Prostate	1	1	1	1	1	1	1	1	1	1	1	1	1
A53 Other & unspecified organs	1	1	1	1	1	1	1	1	1	1	1	1	1
A52 Cervix uteri	1	1	1	1	1	1	1	1	1	1	1	1	1
A51 Breast	4	4	4	1	4	1	1	1	1	1	1	1	1
A50 Tumors of bronchus & lungs	4	4	4	2	1	1	1	1	1	1	1	1	1
A49 Lymphosarcoma & other malignant neoplasms of lymphatic system	5	5	5	1	5	1	1	1	1	1	1	1	1
A48 Rectum	3	1	1	1	1	1	1	1	1	1	1	1	1
A47 Intestine, except rectum	3	1	1	1	1	1	1	1	1	1	1	1	1
A46 Stomach	10	16	5	1	2	1	2	7	2	2	2	2	2
A45 Esophagus	1	1	1	1	1	1	1	1	1	1	1	1	1
A44 Bronchial carcinoma	1	1	1	1	1	1	1	1	1	1	1	1	1
AT4 Catarrhal conjunctivitis	1	1	1	1	1	1	1	1	1	1	1	1	1
AT3 Epilepsy	1	1	1	1	1	1	1	1	1	1	1	1	1
AT2 Multiple sclerosis	1	1	1	1	1	1	1	1	1	1	1	1	1
AT1 Meningoencephalitis	1	1	1	1	1	1	1	1	1	1	1	1	1
AT0 Vasculitis of nervous system	52	11	41	5	54	26	3	25	33	15	7	2	2

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS												
	Total												
OSCO	1	1	1	1	1	1	1	1	1	1	1	1	1
IRON Iron River Balance of County	39	1	1	3	2	1	5	2	1	2	1	10	1
ISABELLA Mount Pleasant Balance of County	33	1	1	6	1	2	4	2	2	3	1	8	1
JACKSON Jackson Balance of County	53	3	1	4	7	2	3	4	1	5	1	14	2
KALAMAZOO Kalamazoo Balance of County	39	1	1	4	4	1	2	4	1	3	1	10	6
KALASKA Grand Rapids E. Grand Rapids Balance of County	176	3	2	13	22	8	1	22	13	12	1	9	2
LAKES Lapeer Balance of County	70	3	2	6	9	14	9	8	1	6	3	32	1
LEBANON Lebanon Balance of County	192	3	1	18	17	12	1	26	20	6	9	10	3
KENOSHA Kenosha Balance of County	90	3	1	9	8	6	4	12	8	2	4	5	1
LAKE Lake Balance of County	43	1	1	4	1	7	1	3	2	2	1	11	3
LEMANEE Adrian Huron Tecumseh Balance of County	93	11	30	39	18	5	41	54	27	8	32	9	3
MICHIGAN Grand Rapids E. Grand Rapids Balance of County	341	9	11	13	12	10	16	16	16	1	1	1	1
MONROE Monroe Balance of County	146	2	2	10	16	3	1	12	3	2	1	1	1
NEWBERRY Newberry Balance of County	8	1	1	1	2	1	1	1	1	1	1	1	1
NIAGARA Niagara Balance of County	35	1	1	3	7	3	1	3	2	2	1	1	1
ONTARIO Ontario Balance of County	11	1	1	4	1	1	1	1	1	1	1	1	1
PONTIAC Pontiac Balance of County	97	3	1	6	8	2	1	1	1	1	1	28	4
ST. CLAIR St. Clair Balance of County	27	1	2	1	1	1	1	1	1	1	1	1	1
ST. IGNACE St. Ignace Balance of County	8	1	1	1	1	1	1	1	1	1	1	1	1
ST. MARYS St. Marys Balance of County	54	1	3	5	4	1	6	2	3	1	1	16	2
ST. JOSEPH St. Joseph Balance of County	56	1	1	7	5	2	1	5	4	2	2	1	1
ST. MICHIGAN St. Michigan Balance of County	12	1	1	2	5	2	1	3	1	1	1	16	1
ST. PETER St. Peter Balance of County	44	1	1	1	1	1	1	1	1	1	1	1	1
TRUMBULL Trumbull Balance of County	7	1	1	1	1	1	1	1	1	1	1	1	1
WEXFORD Wexford Balance of County	43	1	1	4	1	7	1	1	1	1	1	1	1
YUILLING Yuley Balance of County	6	1	1	1	1	1	1	1	1	1	1	1	1
ZEEB Zeeb Balance of County	11	1	1	1	1	1	1	1	1	1	1	1	1
OSCO	26	1	1	7	3	2	1	5	2	1	1	1	1
IRON Iron River Balance of County	39	1	1	1	2	1	1	1	1	1	1	1	1
ISABELLA Mount Pleasant Balance of County	33	1	1	6	1	2	4	2	1	1	1	1	1
JACKSON Jackson Balance of County	53	3	1	4	7	2	3	4	1	6	3	3	1
KALAMAZOO Kalamazoo Balance of County	39	1	1	4	4	1	2	4	1	6	3	3	1
KALASKA Grand Rapids E. Grand Rapids Balance of County	176	3	2	13	22	8	1	22	13	12	1	9	2
LAKES Lapeer Balance of County	70	3	2	6	9	14	9	8	1	6	3	32	1
LEBANON Lebanon Balance of County	192	3	1	18	17	12	1	26	20	6	9	10	1
KENOSHA Kenosha Balance of County	90	3	1	9	8	6	4	12	8	2	4	5	1
LAKE Lake Balance of County	43	1	1	4	1	7	1	3	2	2	1	11	3
LEMANEE Adrian Huron Tecumseh Balance of County	93	11	30	39	18	5	41	54	27	8	32	9	3
MICHIGAN Grand Rapids E. Grand Rapids Balance of County	341	9	11	13	12	10	16	16	1	1	1	1	1
MONROE Monroe Balance of County	146	2	2	10	16	3	1	12	3	2	1	1	1
NEWBERRY Newberry Balance of County	8	1	1	1	2	1	1	1	1	1	1	1	1
NIAGARA Niagara Balance of County	35	1	1	3	7	3	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	11	1	1	4	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	97	3	1	6	8	2	1	1	1	1	1	28	4
ONTARIO Ontario Balance of County	27	1	2	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	8	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	54	1	3	5	4	1	6	2	3	1	1	16	2
ONTARIO Ontario Balance of County	56	1	1	7	5	2	1	5	4	2	2	1	1
ONTARIO Ontario Balance of County	12	1	1	2	5	2	1	3	1	1	1	16	1
ONTARIO Ontario Balance of County	44	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	7	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	43	1	1	4	1	7	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	6	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	11	1	1	4	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	38	1	1	3	2	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1	1	1
ONTARIO Ontario Balance of County	38	1	1	3	2	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1	1	1
ONTARIO Ontario Balance of County	38	1	1	3	2	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1	1	1
ONTARIO Ontario Balance of County	38	1	1	3	2	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1	1	1
ONTARIO Ontario Balance of County	38	1	1	3	2	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1	1	1
ONTARIO Ontario Balance of County	38	1	1	3	2	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	9	1	1	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	4	1	3	1	1	1	1	1	1	1	1	1	1
ONTARIO Ontario Balance of County	115	2	1	17	15	6	1	9	13	5	3	10	1
ONTARIO Ontario Balance of County	241	5	3	29	28	10	1	27	21	9	8	11	1
ONTARIO Ontario Balance of County	21	2	1	3	2	1	1	4	1	2	1	1	1
ONTARIO Ontario Balance of County	23	1	1	4	1	3	2	1	1	1	1	6	3
ONTARIO Ontario Balance of County	31	2	1	4	1	3	2	1	1	1	1</td		

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

HEART DISEASE		AREA		PNEUMONIA		GASTROENTERITIS		APPENDICITIS		HERMELIN	
A 77	Other diseases of mesentery	CLINTON St. John's Balance of County	-	128	2	86	77	9	5	36	14
A 78	All other diseases of nervous system	CRAWFORD	-	95	2	65	59	6	4	24	11
A 79	Hemorrhagic fever	DELTA	-	1	22	1	14	12	2	3	4
A 80	Chronic rheumatic heart disease	ESCANABA Gladstone Balance of County	-	1	1	51	2	36	27	9	4
A 81	Acute rheumatic heart disease	DICKINSON Iron Mountain Norway Balance of County	-	107	3	86	77	8	9	10	6
A 82	Acute bronchitis	EATON Charlotte Eaton Rapids Grand Ledge Balance of County	-	55	1	46	41	5	2	6	5
A 83	Hypertension with without extension of heart	EMMETT Petoskey Balance of County	-	167	9	128	103	25	12	16	14
A 84	Acute appendicitis	GENESEE Flint Fenton Mount Morris Balance of County	-	45	2	31	28	3	5	7	7
A 85	Diseases of arteries	GIGLIO Genital arteries	-	14	1	12	10	3	2	3	3
A 86	Other diseases of circulatory system	GOLDEN Kingsford Norway Balance of County	-	17	1	12	10	5	3	3	3
A 87	Acute upper respi- ratory infections	HANCOCK Charlotte Grand Marais Houghton Ironwood Laurium Negaunee Traverse City Balance of County	-	96	6	76	59	17	7	7	6
A 88	Influenza	HARRISON Alma Bad Axe Huron Balance of County	-	34	2	24	47	46	21	3	1
A 89	Lower pneumonia	HENRICKSON Balance of County	-	54	4	4	47	46	1	3	3
A 90	Bronchopneumonia	HILLSDALE Balance of County	-	86	3	31	704	642	62	39	6
A 91	Primary atypical other & unspecified influenza	HORN Balance of County	-	586	12	465	427	38	56	5	45
A 92	Acute bronchitis	IRONWOOD Balance of County	-	24	-	19	18	1	2	3	3
A 93	Chronic bronchi- tis, emphysema	JACK Balance of County	-	11	-	10	9	1	1	1	1
A 94	Hepatopathy of tonsils & adenoids	JACK Balance of County	-	271	19	210	188	22	12	30	35
A 95	Diarrhea	JACK Balance of County	-	43	2	36	32	4	2	5	2
A 96	Pleury	JACK Balance of County	-	45	-	40	5	-	1	1	1
A 97	All other diseases of teeth	JACK Balance of County	-	144	5	120	79	41	8	11	1
A 98	Diarrhea	JACK Balance of County	-	65	2	55	38	17	5	6	5
A 99	Ulcer of stomach	JACK Balance of County	-	14	1	13	8	6	1	1	1
A 100	Diseases of teeth	JACK Balance of County	-	19	1	17	8	9	1	1	1
A 101	Gastritis & duodenitis	JACK Balance of County	-	43	2	36	25	10	2	4	4
A 102	Appendicitis	JACK Balance of County	-	117	2	98	83	15	4	13	1
A 103	Intestinal obstruc- tion	JACK Balance of County	-	117	1	101	101	17	17	17	17

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

HEART DISEASE	AREA	PNEUMONIA										A103 Infectious diseases of heart	
		A102 Appendicitis	A101 Enteritis & diarrhoeas	A100 Ulcer of duodenum	A99 Ulcer of stomach	A98 Diseases of teeth & structures supporting teeth	A97 All other diseases of teeth	A96 Pleurisy	A95 Bronchitis & bronchiitis	A94 Hyper trophy of tonsils & adenoids	A93 Bronchitis, chronic & undifferentiated	A92 Acute bronchitis	
IRON	Iron River	10900	36	5	3	2	1	1	1	1	1	1	1
ISABELLA	Mount Pleasant	152	41	34	7	1	4	5	1	1	1	1	1
KALAMAZOO	Kalamazoo	90	5	75	65	10	4	6	12	9	3	1	1
KENAIKSKA	Jackson	230	11	355	313	42	11	51	10	26	2	1	1
KENT	Grand Rapids	198	6	168	149	19	5	19	1	13	12	1	1
LAKE	E. Grand Rapids	6	1	466	399	375	24	10	41	5	36	32	1
LAPER	Balance of County	2	2	258	220	298	14	12	5	2	19	14	1
LEEDANAU	Kalkaska	206	9	179	167	12	5	15	3	10	9	16	1
LENAWEE	Grand Rapids	3	1	23	-	20	19	1	1	2	-	-	-
LIVINGSTON	Balance of County	22	2	1,070	32	681	720	161	54	103	25	111	90
MACKINAC	Balance of County	14	1	718	24	578	489	89	39	77	20	72	61
LUCE	Balance of County	2	1	17	-	17	16	1	1	2	4	2	1
MICHIGAN	Balance of County	1	1	335	8	286	215	71	15	26	4	37	27
MUSKEGOMA	Balance of County	51	3	43	54	44	10	3	1	6	1	1	1
MUSKEGOMA	Balance of County	1	1	15	13	23	6	7	1	1	1	1	1
MUSKEGOMA	Balance of County	1	1	52	3	41	34	7	1	6	1	1	1
MUSKEGOMA	Balance of County	1	1	90	5	75	65	10	4	6	12	9	3
MUSKEGOMA	Balance of County	1	1	32	3	25	22	3	1	3	2	1	1
MUSKEGOMA	Balance of County	1	1	58	2	50	43	7	3	3	9	7	2
MUSKEGOMA	Balance of County	1	1	428	11	355	313	42	11	51	10	26	2
MUSKEGOMA	Balance of County	1	1	230	5	187	164	23	6	12	1	1	1
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14	1	1
MUSKEGOMA	Balance of County	1	1	6	1	466	399	375	24	10	41	5	36
MUSKEGOMA	Balance of County	1	1	5	1	258	220	298	14	12	5	2	19
MUSKEGOMA	Balance of County	1	1	206	9	179	167	12	5	15	3	10	9
MUSKEGOMA	Balance of County	1	1	3	1	23	-	20	19	1	1	2	-
MUSKEGOMA	Balance of County	1	1	3	1	230	11	355	313	42	11	51	10
MUSKEGOMA	Balance of County	1	1	198	6	168	149	19	5	15	14</		

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

HEART DISEASE	AREA	PNEUMONIA									
		A 77 Otitis media 6 mastoiditis	A 78 All other diseases 6 sense organs	A 79 Rheumatic fever	A 80 Chronic rheumatic heart disease	A 81 Atherosclerotic heart disease 6 degenerative diseases	A 82 Other diseases of heart	A 83 Hypertension with heart disease	A 84 Hypertension without mention of heart	A 85 Diseases of arteries	A 86 General arteriosclerosis
MEDICOSTA		68	60	11	4	3	1	1	1	1	1
Big Rapids		25	23	6	2	2	2	1	1	1	1
Balance of County		43	37	6	2	5	1	1	1	1	1
MICHIGAN		100	84	22	3	11	2	5	4	1	1
Menominee		48	34	1	1	6	1	1	1	1	1
Balance of County		52	44	28	16	2	1	1	1	1	1
MILKLAND		89	72	66	6	4	12	1	2	1	1
Midland		37	31	5	3	9	1	2	1	1	1
Balance of County		52	40	35	11	16	2	12	11	1	1
MISSAUKEE		21	16	5	-	2	1	1	1	1	1
MONTROSE		225	9	177	148	29	17	22	4	13	1
Monroe		53	4	38	33	5	6	2	2	2	1
Milan (Part)		2	1	1	1	1	1	1	1	1	1
Balance of County		170	5	138	114	24	11	16	2	1	1
MONTGOMERY		129	2	106	74	32	7	14	5	28	3
Greenville		23	16	84	58	26	6	14	3	23	20
Balance of County		106	2	101	72	53	19	12	9	3	3
MONTMORREY		19	1	16	16	-	2	-	-	2	1
MUSKEGON		354	7	305	271	34	12	30	7	31	24
Muskegon		166	4	141	122	19	6	3	14	11	2
Muskegon Heights		49	44	42	42	2	3	2	2	2	2
Balance of County		139	3	120	107	13	4	12	2	15	11
NEWAYGO		101	8	72	53	19	12	9	3	3	3
Fremont		13	11	11	10	1	1	1	1	1	1
Balance of County		88	7	61	43	16	11	9	2	2	2
OAKLAND		1,175	62	961	836	125	40	112	16	69	54
Pontiac		222	10	179	153	6	27	5	15	4	15
Ferndale		84	3	68	59	9	6	7	1	1	1
Royal Oak		145	8	118	101	17	5	14	10	4	4
Belle Isle		42	2	36	32	4	1	1	1	1	1
Birmingham		69	1	61	55	6	2	5	1	2	1
Hazel Park		48	39	36	36	3	1	1	1	1	1
Clemson		15	14	14	14	1	1	1	1	1	1
Holly		21	19	18	16	1	1	1	1	1	1
Huntington Woods		16	2	12	11	1	1	1	1	1	1
Northville (Part)		-	-	-	-	-	-	-	-	-	-
Oak Park		16	2	13	13	-	-	-	-	-	-
Pleasant Ridge		13	2	10	9	1	1	1	1	1	1
Rochester		22	1	19	14	6	1	1	1	1	1
Balance of County		4	1	454	23	372	321	51	16	43	23
OCEANA		-	-	66	2	53	41	12	2	9	2
OGEMAN		-	-	31	2	25	22	3	2	2	1
ONTONAGON		-	-	42	2	38	31	7	2	4	1
OSCEOLA		-	-	57	1	46	31	17	5	3	2
OSCOBA		-	-	1	-	12	9	5	4	3	2
OSBEGO		-	-	22	2	17	14	3	1	2	1
OTTAWA		5	248	9	207	179	40	5	3	1	1
Grand Haven		53	4	37	1	33	29	10	1	1	1
Zeeland		12	11	11	11	116	4	118	3	21	4
Balance of County		4	-	146	4	-	-	-	-	-	2
PRESQUE ISLE		-	-	41	-	37	35	2	1	3	1
Rogers City		10	-	10	10	25	2	1	1	1	1
Balance of County		31	-	27	-	-	-	-	-	-	2
ROSCOMMON		-	-	20	-	17	16	1	2	1	1

A103 Infectious & herpetic diseases of heart

A102 Appendicitis

A101 Gastritis & duodenitis

A100 Ulcer of stomach

A 99 Ulcer of stomach

A 98 Diseases of teeth & supporting structures

A 97 All other diseases of teeth

A 96 Pneumonia

A 95 Empyema & abscesses of lung

A 94 Hypertrophy of tonsils & adenoids

A 93 Bronchitis, chronic & unglutinated

A 92 Acute bronchitis

A 91 Primary atypical pneumonia

A 90 Bronchopneumonia

A 89 Lobar pneumonia

Total

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	HEART DISEASE	PNEUMONIA																
		A 91 Primary atypical pneumonia	A 90 Bronchopneumonia	A 90 Lobar pneumonia	Total	A 92 Acute bronchitis	A 93 Bronchitis, chronic	A 94 Hyperactivity of bronchioles	A 95 Diphyma	A 96 Pneumonia	A 97 All other respiratory diseases	A 98 Diseases of teeth	A 99 Ulcer of stomach	A 100 Ulcer of duodenum	A 101 Gastritis	A 102 Appendicitis	A 103 Intestinal obstruction	
SAGINAW Balance of County	-	487 11	411 297	352 6	59 29	56 36	47 15	11 4	3 1	2 1	1 1	15 9	12 3	12 9	12 1	12 3	12 9	
ST. CLAIR Algoma Marine City Marysville St. Clair Balance of County	-	426 13	349 139	292 114	57 8	56 25	29 2	17 4	3 1	2 1	2 1	23 11	5 1	5 1	5 1	5 1	5 1	
ST. JOSEPH Three Rivers Balance of County	-	179 3	20 21	19 17	15 16	15 4	1 1	2 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
SANILAC	-	152 2	124 23	62 20	42 19	42 14	12 5	6 5	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
SCHOOLCRAFT Manistique Balance of County	-	164 10	131 35	118 31	13 10	10 18	13 2	10 3	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
SHI AWASSEE Owosso Durand Balance of County	-	91 5	70 8	63 5	7 11	6 7	2 5	2 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
TUSCOLA Caro Vassar Balance of County	-	182 1	151 22	148 19	130 13	16 5	3 2	8 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
VAN BUREN South Haven Balance of County	-	177 4	126 18	109 17	19 23	22 19	4 6	29 6	3 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
WASHTENAW Ann Arbor Ypsilanti Chelsea Milan (Part) Balance of County	-	180 11	147 26	115 18	32 18	15 8	2 2	8 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	
WAYNE Detroit Dearborn Hamtramck Highland Park Lincoln Park Wyandotte Allen Park Ecorse Grosse Pier Park Grosse Pier Woods Melvindale Northville (Part) Plymouth Trenton Wayne Balance of County	-	105 10	6,101 6,356	354 277	5,842 5,016	512 412	242 195	151 98	121 251	217 164	108 87	38 33	11 5	16 8	36 4	142 13	78 4	42 37
WEYBROOK Cadillac Balance of County	-	6 5	285 9	236 8	224 114	106 104	36 5	1 4	1 3	1 3	1 1	1 1	18 7	8 3	16 7	6 3	64 3	96 6

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

CAUSE	RESIDENCE	MATERIAL DEATHS		CONGENITAL MALFORMATIONS	
		DEATHS	PERCENT	DEATHS	PERCENT
NEPHRITIS & NEPHROSIS					
A105 Acute nephritis		6	1	5	1
A106 Chronic, other nephritis		6	1	15	1
A107 Other diseases of digestive system		1	1	1	1
A108 Chronic, other nephritis		1	1	1	1
A109 Chronic, other nephritis		1	1	1	1
A110 Gastro-enteritis		1	1	1	1
A111 Gastritis of liver		1	1	1	1
A112 Hypertension		1	1	1	1
A113 Diseases of breast		1	1	1	1
A114 Other diseases of respiratory system		2	1	1	1
A115 Septic or pre-gastric		1	1	1	1
A116 Toxemias of pregnancy		1	1	1	1
A117 Hemorrhage of childbirth		1	1	1	1
A118 Abortion complications		1	1	1	1
A119 Other complications of pregnancy		1	1	1	1
A120 Other complications of pregnancy		1	1	1	1
A121 Infectious diseases of skin & subcutaneous tissue		1	1	1	1
A122 Respiratory diseases		2	1	2	1
A123 Arteriosclerosis		1	1	1	1
A124 Osteoarthritis		1	1	1	1
A125 Arthritis & degenerative diseases		1	1	1	1
A126 All other diseases of skeletal system		1	1	1	1
A127 Spina bifida		1	1	1	1
Total		8	1	7	1
CONGENITAL MALFORMATIONS					
A128 Congenital malformations of circulatory system		1	1	2	1
A129 All other congenital malformations		1	1	2	1

TABLE 3 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	Nephritis & Nephrosis	MATERNAL DEATHS		CONGENITAL MALFORMATIONS	
		Total	A110 Acute nephritis	Total	A121 Infected membranes of gestation, except diphtheria, gonorrhoea, trachoma, etc.
IOSCO		2	1	1	-
IRON	Iron River Balance of County	2	1	2	-
ISABELLA	Mount Pleasant Balance of County	2	2	2	-
JACKSON	Jackson Balance of County	6	1	16	1
KALAMAZOO	Kalamazoo Balance of County	6	1	8	1
KALASKA	Kalkaska Grand Rapids E. Grand Rapids Balance of County	1	1	1	-
KENT	Kent Grand Rapids E. Grand Rapids Balance of County	11	4	35	3
KERKEMAN	Kerkeman Lake Lapeer Lapeer Balance of County	1	1	1	-
LEBANON	Lebanon Livingston Howell Balance of County	1	1	3	1
LENAWEE	Lenawee Adrian Hudson Tecumseh Balance of County	5	3	18	1
LUCE	Luce Newberry Balance of County	1	1	1	-
MACKINAC	Mackinac St. Ignace Balance of County	1	1	2	-
MACOMB	Macomb East Detroit Mount Clemens Rosalie St. Clair Shores Centerville Romeo Balance of County	9	20	3	23
MANISTEE	Manistee Balance of County	1	3	2	2
MARQUETTE	Marquette Lansing Negaunee Balance of County	2	6	8	4
MASON	Mason Ludington Balance of County	2	3	1	1

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ACCIDENTS									
	A	B	C	D	E	F	G	H	I	J
MUSKOGEE	2	3	1	1	2	1	-	-	-	-
Big Rapids										
Balance of County	1									
MONONGAHELA	5	1	-	-	-	-	-	-	-	-
Monongahela										
Balance of County	4									
MONROE	1	-	-	-	-	-	-	-	-	-
Monroe										
Milan (Part)										
Balance of County	1									
MONTGOMERY	7	6	4	-	-	-	-	-	-	-
Montgomery										
Greenville										
Balance of County	1									
MONTOUR	1	-	-	-	-	-	-	-	-	-
Montour										
MUSKOGEE	2	1	-	-	-	-	-	-	-	-
Muskogee										
Balance of County	1									
NATIONAL CITY	1	-	-	-	-	-	-	-	-	-
National City										
NEVADA	2	2	-	-	-	-	-	-	-	-
Fremont										
Balance of County	2									
OAKLAND	43	35	12	6	1	3	16	4	-	-
Oakland										
Pittsburgh										
Balance of County	2									
ONEIDA	6	13	2	2	-	-	2	1	-	-
Oneida										
Balance of County	1									
OSAGE	3	2	2	-	-	-	3	1	-	-
Osage										
Balance of County	1									
OSCEOLA	1	-	-	-	-	-	-	-	-	-
Osceola										
OSWEGO	1	-	-	-	-	-	-	-	-	-
Oswego										
OTTAWA	2	6	-	-	-	-	-	-	-	-
Ottawa										
Grand Haven										
Balance of County	1									
PRESQUE ISLE	1	1	5	-	-	-	-	-	-	-
Presque Isle										
Rogers City										
Balance of County	1									
ROCKWOOD	1	-	-	-	-	-	-	-	-	-

AE147.3+ Late effects
of war injury
of other persons
(not in war)

AE149 Hospitalized & injured
Self-inflicted & inflicted
injury

AE147.4+ Other cases
excluding late
effects caused
by self-inflicted
injury

AE146 Accidents
caused by firearms
steam & radiation
corrosive liquids,
solvents & substances
by explosive
material

AE145 Accident caused
by fire or explosion
steam & radiation
corrosive liquids,
solvents & substances
by explosive
material

AE144 Accident caused
by mechanical
failure of equipment
by explosive
material

AE143 Accident caused
by electrical
failure of equipment
by explosive
material

AE142 Accident caused
by mechanical
failure of equipment
by explosive
material

AE141 Accidental
postponing
accidents

AE138 Motor vehicle
accidents

Total

A 137 III-defined &
nonhomogeneous
deaths of psychotics

A 136 Semihomogeneous
deaths of psychotics

A 135 III-defined &
severe injuries
to respiratory tract
& measures peculiar
to respiration

A 134 All other de-
fined diseases
of early infancy

A 133 Hemolytic disease
of newborn

765-768 Other infections
of newborn

764 Diphtheria
pertussis &
whooping cough

753-756 Inflammation
of newborn

A 132 Postnatal
asphyxia &
asphyctasis

A 130 Birth injuries

AREA

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ACCIDENTS	ACCIDENTS									
		AEI47-3 ^a Late injuries of war	AEI47-4 ^a Other causes of war	AEI47-5 ^a Deaths by other persons (not in war)	AEI48 Suicide & Injury homicide	AEI49 Suicide & Injury propagated by persons excluding late effects violence	AEI50 Accidents caused by stream	AEI51 Accidents caused by fire or explosion	AEI52 Accidents caused by hot substance, corrosive liquid or steam & radiation	AEI53 Motor vehicle accidents	AEI54 Accident caused by machine
SAGINAW	Saginaw Balance of County	12	15	3	2	1	2	2	2	78	44
ST. CLAIR	Port Huron Algonac Marine City Marysville St. Clair Balance of County	10	10	5	8	2	1	2	2	31	14
ST. JOSEPH	Sturgis Three Rivers Balance of County	6	1	1	1	1	1	1	1	47	30
SANILAC	Caro Durand Owasco Tuscola Vassar	1	1	1	1	1	1	1	1	3	1
SCHOOLCRAFT	Mantique Balance of County	1	1	1	1	1	1	1	1	1	1
SHILOH	Quincy Durand Balance of County	1	1	1	1	1	1	1	1	1	1
TUSCOLA	Caro Vassar	1	1	1	1	1	1	1	1	1	1
VAN BUREN	South Haven Balance of County	2	1	1	1	1	1	1	1	1	1
WASHTENAW	Ann Arbor Benton Chelsea Milan (Part) Balance of County	1	1	1	1	1	1	1	1	1	1
WAYNE	Detroit Dearborn Hamtramck Highland Park Lincoln Park Windsor Allen Park Grosse Pk. Grosse Pk. Farms Grosse Pk. Woods Inster Livonia River Rouge Garden City Grosse Pk. Melvindale Northville (Part) Plymouth Trenton Wayne Balance of County	233	312	89	64	15	10	49	13	502	24
WEYBROOK	Cadillac Balance of County	3	3	3	3	3	3	3	3	51	5

^aCode numbers used by Michigan Department of Health for further subdivisions of cause AEI47 to make it possible to exclude late effects of violence from the accident total.
See corresponding cause in Table 7A for detailed list numbers.

TEN LEADING CAUSES OF DEATH
DISTRIBUTION BY AGE GROUPS
MICHIGAN, 1954

CAUSE	TOTAL PERCENT	Under 15 Yrs	15 44	45 64	65 & Over*	PERCENT					
						Total	Under 15 Yrs	15 44	45 64	65 & Over*	
All Causes	60,706	100	6,155	5,362	16,707	32,482	100	10.1	8.8	27.5	53.6
Diseases of heart	22,362	36.8	23	972	6,868	14,499	100	0.1	4.3	30.7	64.9
Cancer	10,105	16.6	178	909	3,886	5,132	100	1.8	9.0	38.5	50.7
Vascular lesions of c.n.s.	6,964	11.5	18	243	1,505	5,198	100	0.3	3.5	21.6	74.6
Accidents	3,948	6.5	671	1,402	797	1,078	100	17.0	35.5	20.2	27.3
Diabetes mellitus	1,469	2.4	10	69	426	964	100	0.7	4.7	29.0	65.6
Pneumonia and influenza**	1,437	2.4	454	106	234	643	100	31.6	7.4	16.3	44.7
Immaturity	1,298	2.1	1,298	-	-	-	100	100	0	0	0
Arteriosclerosis	1,170	1.9	-	4	56	1,110	100	0	0.3	4.8	94.9
Congenital malformations	1,004	1.7	914	50	29	11	100	91.0	5.0	2.9	1.1
Nephritis and nephrosis	749	1.2	19	127	242	361	100	2.5	17.0	32.3	48.2
All other causes	10,200	16.9	2,570	1,480	2,664	3,486	100	25.2	14.5	26.1	34.2

* Including 12 of unknown age.

** Excluding pneumonia of newborn.

The four leading causes of death accounted for 71% of all deaths. The first three of these, heart, cancer and vascular lesions occurred largely among the older age groups, with only 4%, 11%, and 4%, respectively, under 45 years.

However, in the fourth leading cause, accidental deaths, 53% were under 45 years of age. With the exception of deaths due to immaturity and congenital malformations, which occur largely in infancy, accidental deaths is the only one of the ten leading causes with approximately half (53%) of the deaths under 45 years of age. The sixth cause, pneumonia and influenza, and the tenth cause, nephritis and nephrosis, follow in line in this respect; 39% of the pneumonia and influenza deaths and 20% of the nephritis and nephrosis deaths are 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

Michigan 1954

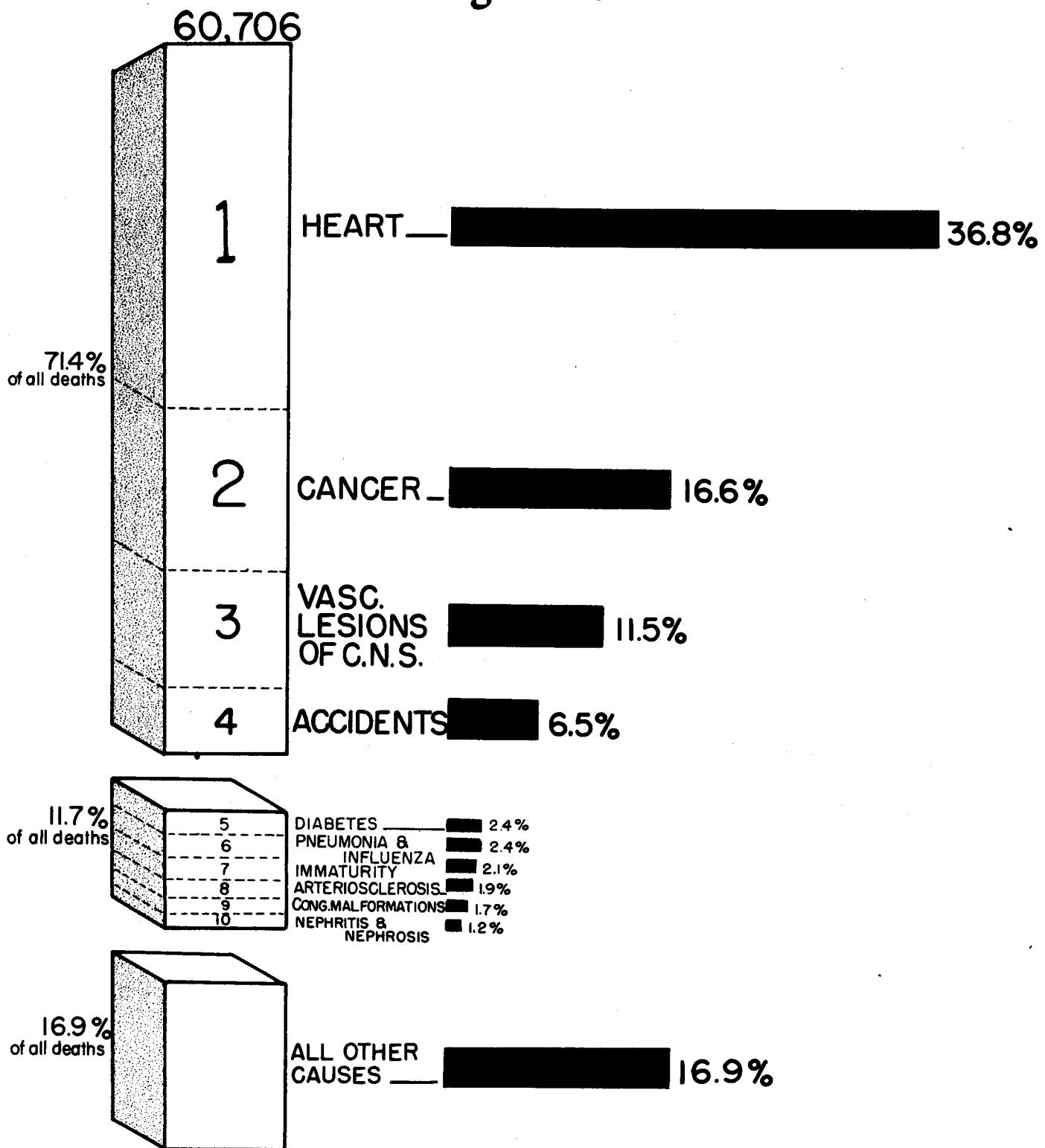


TABLE 9 - LEADING CAUSES OF DEATH BY AGE GROUP
MICHIGAN, 1954

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

Under 1 Year			1 - 4			5 - 14		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	4,795	100	All Causes	713	100	All Causes	647	100
Immaturity	1,298	27.1	Accidents	214	30.0	Accidents	287	44.4
Congenital malformations	800	16.7	Pneumonia & influenza	93	13.0	Malignant neoplasms	87	13.4
Postnatal asphyxia and atelectasis	688	14.3	Malignant neoplasms	81	11.4	Congenital malformations	38	5.9
Birth injuries	537	11.2	Congenital malformations	76	10.7	Acute poliomyelitis	30	4.6
Pneumonia & influenza (includes pneumonia of newborn)	468	9.8	Gastro-enteritis and colitis	25	3.5	Pneumonia & influenza	19	2.9

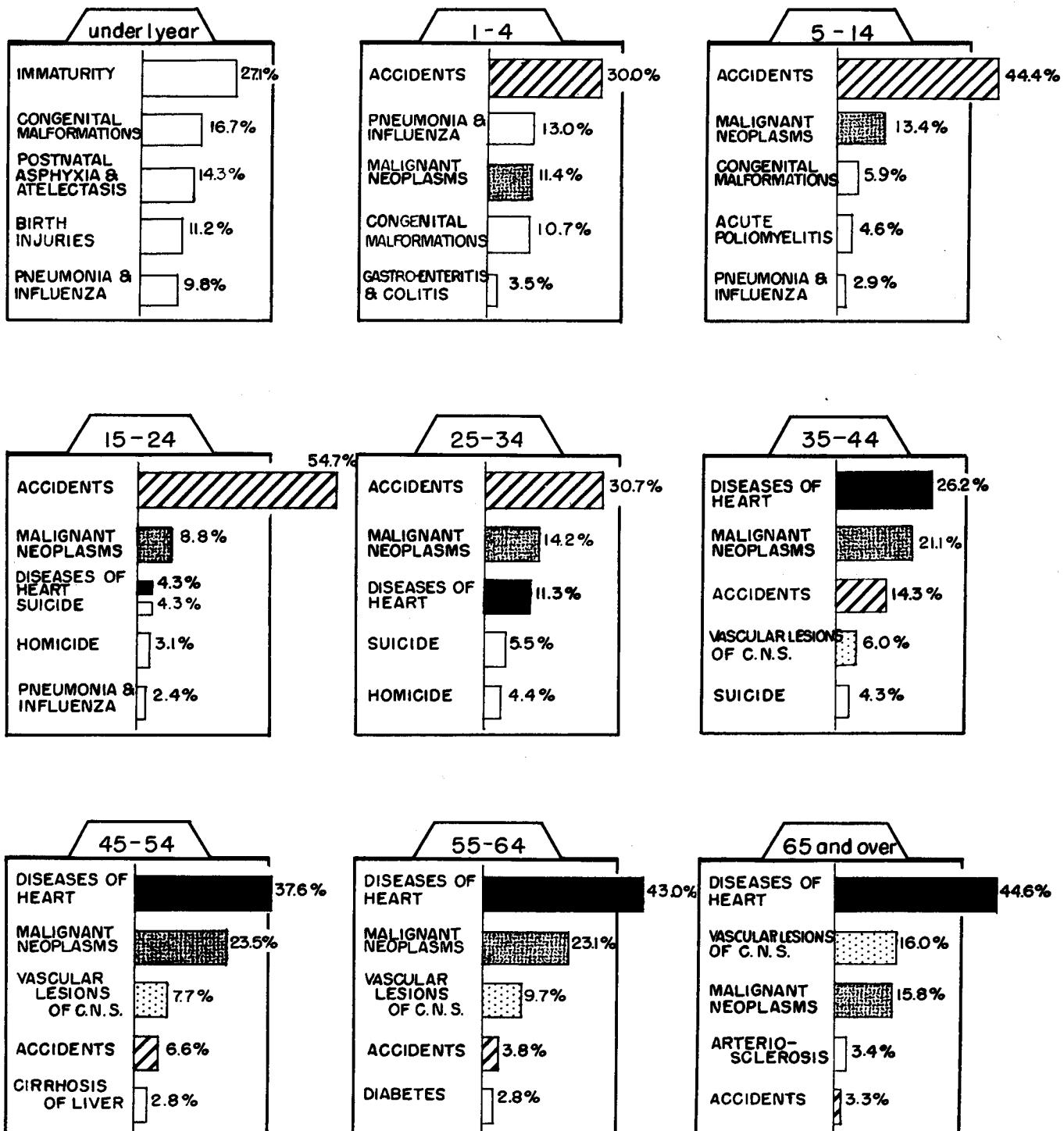
15 - 24			25 - 34			35 - 44		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	966	100	All Causes	1,489	100	All Causes	2,907	100
Accidents	528	54.7	Accidents	457	30.7	Diseases of heart	762	26.2
Malignant neoplasms	85	8.8	Malignant neoplasms	212	14.2	Malignant neoplasms	612	21.1
Diseases of heart	42	4.3	Diseases of heart	168	11.3	Accidents	417	14.3
Suicide	42	4.3	Suicide	82	5.5	Vascular lesions of central nervous system	173	6.0
Homicide	30	3.1	Homicide	66	4.4	Suicide	126	4.3
Pneumonia & influenza	23	2.4						

45 - 54			55 - 64			65 & Over*		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	5,873	100	All Causes	10,834	100	All Causes	32,482	100
Diseases of heart	2,210	37.6	Diseases of heart	4,658	43.0	Diseases of heart	14,499	44.6
Malignant neoplasms	1,379	23.5	Malignant neoplasms	2,507	23.1	Vascular lesions of central nervous system	5,198	16.0
Vascular lesions of central nervous system	453	7.7	Vascular lesions of central nervous system	1,052	9.7	Malignant neoplasms	5,132	15.8
Accidents	386	6.6	Accidents	411	3.8	Arteriosclerosis	1,110	3.4
Cirrhosis of liver	163	2.8	Diabetes	304	2.8	Accidents	1,078	3.3

*Includes 12 deaths of unknown age.

LEADING CAUSES OF DEATH

BY AGE GROUPS---MICHIGAN 1954



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 group.

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 until shifting to third position in the 65 years and older group.

TABLE 10 - DEATHS UNDER 5 YEARS BY CAUSE AND DETAILED AGE
MICHIGAN, 1954

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

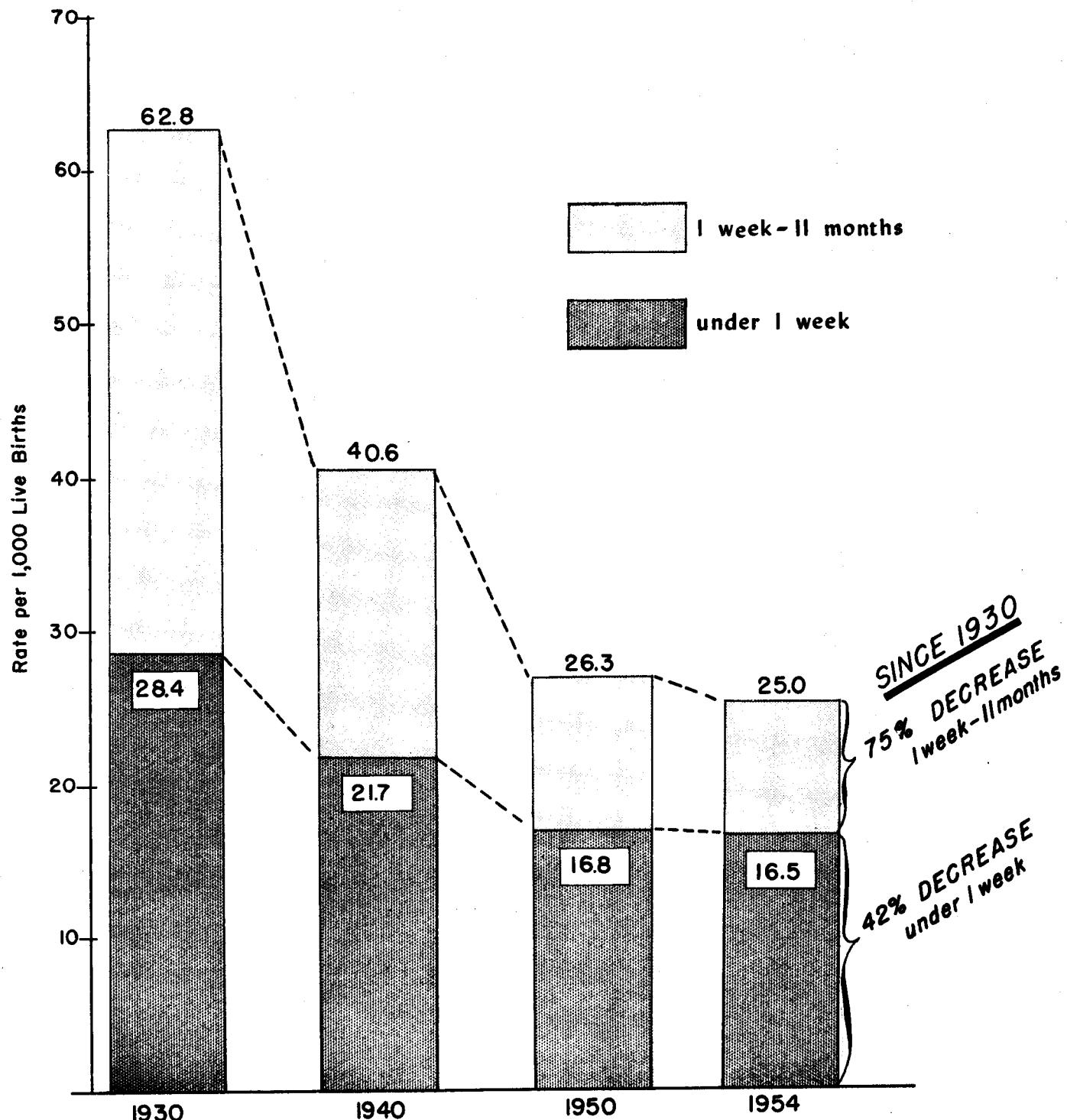
CAUSE OF DEATH	Int. List No.	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk			D A Y S			Under 1 Mth			M O N T H S			Y E A R S			
				1	2	3-6	7-13	14-20	21-27	4 Wks	1	2	3	4	5	6	7	8	9	10	11	Under 1 Yr
ALL CAUSES	5,508	1,920	512	340	394	3,166	203	111	80	3,560	265	221	169	132	95	80	78	55	58	46	36	4,795
TUBERCULOSIS, ALL FORMS	A 1-A 5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	291
Tuberculosis of meninges and central nervous system	A 1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178
Tuberculosis of intestines, peritoneum and mesenteric glands	A 2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143
Tuberculosis, all other forms	A 3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101
Congenital syphilis	A 6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other syphilis	A 10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms	A 16	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal sore throat	A 18	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sentioria and pyemia	A 20	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough	A 22	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections	A 23	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis	A 26	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute infectious encephalitis	A 29	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Late effects of acute poliomyelitis and acute infectious encephalitis	A 30	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	A 32	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Infectious hepatitis	A 34	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic	A 37	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS, ALL FORMS	A 44-A 59	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Malignant neoplasm of cervix uteri	A 52	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasm of prostate	A 54	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasm of skin	A 55	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasm of bone and connective tissue	A 56	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasm of all other and unspecified sites	A 57	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leukemia and aleukemia	A 58	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system	A 59	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benign neoplasms and neoplasms of unspecified nature	A 60	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non toxic goiter	A 61	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus	A 63	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avitaminosis and other deficiency states	A 64	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anemias	A 65	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allergic disorders; all other endocrine, metabolic and blood diseases	A 66	50	-	-	2	4	-	6	1	-	1	8	6	5	4	-	2	1	-	1	-	35
Mental deficiency	A 69	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system	A 70	7	-	-	-	-	-	-	-	-	-	7	2	3	4	-	2	1	-	4	1	-
Nomeningoococcal meningitis	A 71	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	7	3
Epilepsy	A 73	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	1
Otitis media and mastoiditis	A 77	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-
All other diseases of the nervous system and sense organs	A 78	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	11	5
HEART DISEASE, ALL FORMS	A 80-A 83	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	2
Chronic rheumatic heart disease	A 80	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease	A 81	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
420-422 Nonrheumatic chronic endocarditis & other myocardial degeneration	A 82	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-
Other diseases of heart	A 83	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Other diseases of circulatory system	A 86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-

TABLE 10 - DEATHS UNDER 5 YEARS BY CAUSE AND DETAILED AGE (Continued)

INFANT MORTALITY TRENDS

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

Michigan---1930, 1940, 1950, 1954



4,795 INFANTS DIED BEFORE REACHING 1 YEAR OF AGE

WHY?

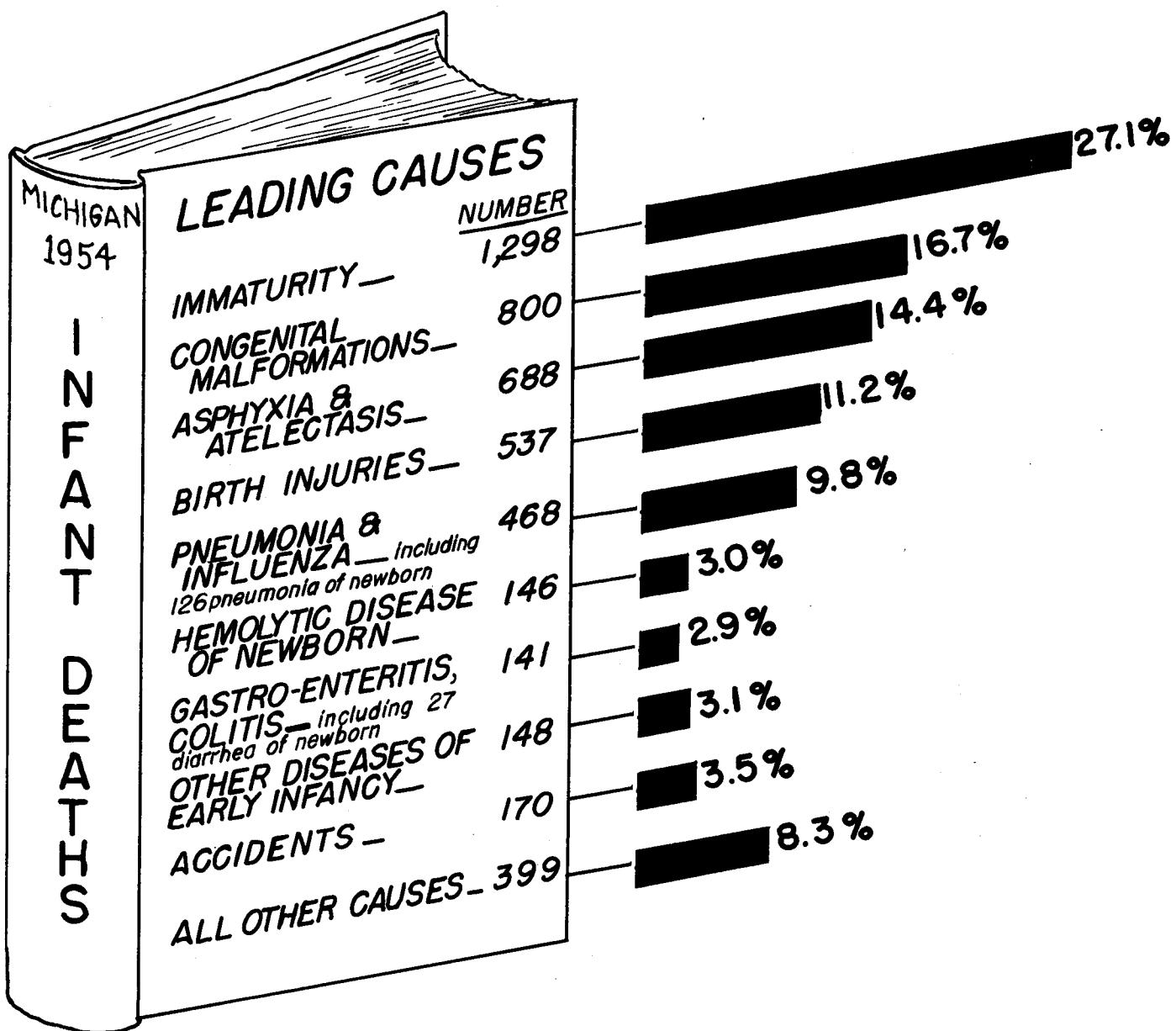


TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE
MICHIGAN, 1954

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

AREA	Under	Under	D A Y S			Under	D A Y S			Under	M O N T H S											Under	Y E A R S			
	5 Yrs	1 Day	1	2	3-6	1 Wk	7-13	14-20	21-27	4 Wks	1	2	3	4	5	6	7	8	9	10	11	1 Yr	1	2	3	4
STATE	5,508	1,920	512	340	394	3,166	203	111	80	3,560	265	221	169	132	95	80	78	55	58	46	36	4,795	291	178	143	101
ALCONA	5	2	1	-	-	3	-	-	-	3	-	-	-	-	-	-	1	-	-	-	-	4	1	-	-	-
ALGER	6	1	1	-	1	3	-	-	-	3	-	-	1	-	-	1	-	-	-	-	-	5	1	-	-	-
Munising	3	1	-	1	2	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	3	1	-	-	-
Balance of County	3	-	1	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	2	1	-	-	-
ALLEGAN	36	8	2	1	4	15	1	2	-	18	5	2	2	2	-	1	-	-	-	-	-	30	1	1	3	1
Allegan	3	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	1	-	-	-	-	3	-	-	-	-
Otsego	2	-	-	1	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-
Plainwell	5	1	-	1	2	-	1	-	-	3	1	-	1	-	-	-	-	-	-	-	-	5	-	-	-	-
Balance of County	26	7	2	-	3	12	1	1	-	14	2	1	1	2	-	-	-	-	-	-	-	20	1	1	3	1
ALPENA	18	3	2	3	1	9	1	-	-	10	1	-	-	-	-	-	-	1	-	1	-	13	1	1	2	1
Alpena	8	1	1	2	1	5	1	-	-	6	-	-	-	-	-	-	-	1	-	1	-	6	1	1	2	1
Balance of County	10	2	1	1	-	4	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
ANTRIM	6	2	-	-	-	2	-	1	-	3	-	1	-	1	-	-	-	-	-	-	-	3	-	1	-	1
ARENAC	10	5	1	-	-	6	-	-	-	6	-	-	-	1	-	-	-	1	-	-	-	3	-	1	-	1
BARAGA	3	-	1	-	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-
BARRY	22	5	1	-	1	7	-	-	-	7	1	1	1	2	1	1	-	-	-	-	-	1	15	4	1	1
Hastings	4	3	-	-	-	3	-	-	-	3	-	1	1	2	1	1	-	-	-	-	-	4	1	1	1	1
Balance of County	18	2	1	-	1	4	-	-	-	4	1	1	2	1	1	-	-	-	-	-	-	11	4	1	1	1
BAY	80	25	7	10	5	47	2	1	1	51	4	3	2	3	2	3	2	1	-	1	-	69	3	1	4	3
Bay City	44	15	6	4	2	27	2	-	1	30	3	2	2	3	1	-	-	-	-	-	-	41	1	-	2	2
Escanaba	7	-	1	1	-	2	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	4	1	1	2	1
Balance of County	29	10	-	5	3	18	-	-	-	16	1	1	-	-	-	-	-	-	-	-	-	24	1	1	2	1
BENZIE	2	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
BERRIEN	103	31	11	6	11	59	2	4	1	66	3	6	3	3	5	2	1	1	1	1	1	95	3	-	3	2
Benton Harbor	19	4	2	1	1	8	-	-	-	11	2	2	1	-	-	-	-	-	-	-	-	18	1	-	-	-
Niles	9	2	1	2	1	6	1	-	-	7	1	-	-	-	-	-	-	-	-	-	-	9	-	-	-	1
St. Joseph	5	3	-	1	1	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Buchanan	11	6	1	1	-	8	-	1	-	9	-	1	-	-	-	-	-	-	-	-	-	11	-	-	-	1
Balance of County	59	16	7	3	7	33	1	-	1	35	2	3	1	2	5	1	2	1	1	-	-	53	2	-	3	1
BRANCH	18	10	-	1	-	11	-	-	1	12	1	1	-	1	-	-	-	-	-	-	-	16	-	2	-	-
Coldwater	5	2	-	-	2	2	-	-	1	3	1	1	-	-	-	-	-	-	-	-	-	5	-	2	-	-
Balance of County	13	8	-	1	-	9	-	-	-	9	1	1	-	-	-	-	-	-	-	-	-	11	-	2	-	-
CALHOUN	112	39	9	3	10	61	3	3	2	69	6	5	7	2	1	-	-	1	2	2	1	96	6	3	5	2
Battle Creek	39	9	5	1	4	19	-	1	1	21	3	3	3	1	1	-	-	-	-	-	-	34	2	1	-	-
Albion	9	5	1	-	-	6	1	-	-	7	1	-	-	-	-	-	-	-	-	-	-	8	-	-	1	2
Marshall	3	1	-	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2
Balance of County	61	24	3	2	6	35	2	2	1	40	2	2	4	1	-	-	-	-	-	-	-	53	4	2	2	1
CASS	30	9	3	1	3	16	1	-	1	18	3	2	-	-	1	1	1	1	-	-	-	26	1	-	2	1
Dowagiac	5	2	-	1	3	14	1	-	1	16	2	1	-	-	1	1	1	1	-	-	-	22	1	-	2	1
Balance of County	25	7	3	1	3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-
CHARLEVOIX	9	4	-	1	-	5	2	-	-	7	-	-	-	-	1	1	-	-	-	-	-	3	-	-	-	-
Boyne City	3	1	-	-	1	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Charlevoix	4	2	-	1	-	3	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Balance of County	2	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
CHEBOYGAN	17	7	-	1	1	9	-	1	-	10	2	-	-	-	-	-	2	-	-	-	-	15	-	1	1	-
Cheboygan	8	5	-	1	1	7	-	1	-	7	-	-	-	-	-	-	2	-	-	-	-	8	-	-	1	-
Balance of County	9	2	-	-	2	-	1	-	-	3	2	-	-	-	-	-	-	-	-	-	-	33	-	1	2	-
CHIPPENWA	36	10	8	5	4	27	-	1	-	28	1	2	-	-	1	1	-	-	-	-	-	18	-	1	2	-
Sault Ste. Marie	18	4	6	3	3	16	-	1	-	16	1	1	-	-	1	-	-	-	-	-	-	15	-	1	2	-
Balance of County	18	6	2	2	1	11	-	1	-	12	1	1	-	-	1	-	-	-	-	-	-	32	-	1	-	1
CLARE	9	2	-	1	-	3	1	-	-	4	1	-	-	-	1	-	-	-	-	-	-	32	1	-	-	1
CLINTON	34	14	5	2	3	24	2	1	1	28	1	-	1	1	1	1	1	1	1	1	1	36	1	-	-	1
St. Johns	6	3	1	-	2	18	2	1	1	6	-	1	-	1	1	1	1	1	1	1	1	26	1	-	-	1
Balance of County	28	11	5	-	2	18	2	1	1	22	1	-	1	1	1	1	1	1	1	1	1	2	-	1	-	-
CRAWFORD	3	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	22	1	3	3	1
DELTA	30	5	2	3	5	15	1	-	-	16	-	1	1	1	1	1	1	1	1	1	1	11	1	-	3	1
Escanaba	13	3	2	1	1	7	-	-	-	7	-	-	1	-	-	1	-	-	-	-	-	1	-	3	-	3
Gladstone	3	1	-	1	-	2	-	-	-	7	-	-	1	-	-	1	-	-	-	-	-	8	-	3	-	3
Balance of County	14	1	-	1	4	6	1	-	-	7	-	-	1	-	-	1	-	-	-	-	-	14	2	-	-	-
DICKINSON	18	4	2	1	-	7	-	-	1	8	1	1	2	-	-	-	-	-	-	-	-	14	6	-	-	-
Iron Mountain	6	3	-	-	3	-	-	-	-	3	-	-	1	-	-	1	-	-	-	-	-	3	-	2	-	-
Kingsford	5	1	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Norway	2	-	1	1	-	2	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	2	-	-
Balance of County	5	-	1	1	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	27	1	-	2	1
EATON	31	8	3	2	5	18	-	-	-	18	-	4	-	-	1	1	1	1	1	1	1	7	-	-	-	-
Charlotte	7	2	1	-	1	4	-	-	-	4	-	-	1	-	-	1	-	-	-	-	-	2				

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

AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Wks	M O N T H S											Under 1 Yr	Y E A R S			
			1	2	3-6		7-13	14-20	21-28		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4
GOGEVIC	22	5	-	2	1	8	-	1	-	9	3	1	1	-	1	-	1	-	1	-	17	2	-	-	3	
Ironwood	12	4	-	1	1	6	-	1	-	7	-	1	-	1	-	1	-	1	-	1	-	11	1	-	-	1
Bessemer	3	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	-	1	-	2	-	-	-	1
Wakefield	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2
Balance of County	6	-	-	1	-	1	-	-	-	1	2	-	-	-	-	-	-	-	-	-	1	3	1	-	-	
GRAND TRAVERSE	9	3	-	2	-	5	1	-	-	6	2	-	-	-	-	-	-	-	-	-	8	-	-	1	-	
Traverse City	5	3	-	1	-	4	1	-	-	5	2	-	-	-	-	-	-	-	-	-	5	3	-	-	1	
Balance of County	4	-	-	1	-	1	-	-	-	1	2	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
GRATIOT	28	6	3	2	1	12	-	1	2	15	2	1	2	1	1	-	1	-	-	-	23	-	1	3	1	
Alma	2	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	
St. Louis	4	1	-	1	1	3	-	1	4	10	2	1	1	1	-	-	-	-	-	-	4	-	-	1	3	
Balance of County	22	5	2	1	-	8	-	1	1	-	-	-	-	-	-	-	-	-	-	-	17	-	1	3	1	
HILLSDALE	24	11	3	1	1	16	-	-	-	16	-	-	-	-	1	1	-	-	-	-	1	19	3	1	-	1
Hillsdale	3	2	-	-	-	2	-	-	-	2	-	-	-	-	1	-	-	-	-	-	2	1	-	-	1	
Balance of County	21	9	3	1	1	14	-	-	-	14	-	-	-	-	-	-	-	-	-	-	17	-	2	1	-	
HOUGHTON	21	7	1	-	1	9	-	-	-	9	-	-	2	1	-	-	-	-	-	-	13	4	1	2	1	
Hancock	5	-	-	-	-	1	3	-	-	3	-	-	1	-	-	-	-	-	-	-	5	-	-	1	-	
Houghton	4	3	-	-	-	3	-	-	-	3	-	-	1	-	-	-	-	-	-	-	3	-	-	1	-	
Laurium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Balance of County	12	2	1	-	-	3	-	-	-	3	-	-	1	1	-	-	-	-	-	-	5	4	-	2	1	
HURON	19	10	2	1	1	14	2	1	-	17	-	-	1	-	-	-	-	-	-	-	19	-	-	-	-	
Bad Axe	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	19	-	-	-	-	
Balance of County	19	10	2	1	1	14	2	1	-	17	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
INGHAM	151	40	18	14	12	64	5	2	2	93	7	7	9	8	4	1	1	2	-	1	1	134	5	4	5	3
Lansing	70	24	12	10	4	50	2	-	1	53	1	5	2	3	-	-	-	-	-	-	65	3	-	-	-	
East Lansing	7	2	1	-	-	3	-	-	-	3	-	1	-	1	-	-	-	-	-	-	6	1	-	-	-	
Mason	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Balance of County	73	14	5	4	8	31	3	2	1	37	6	1	6	5	3	1	-	-	-	-	62	1	4	5	1	
IONIA	26	4	3	2	2	11	2	-	-	13	-	2	-	1	-	-	-	-	-	-	17	4	4	1	-	
Belding	4	1	1	-	-	2	-	-	-	1	-	1	-	1	-	-	-	-	-	-	4	-	-	-	-	
Ionia	2	-	-	1	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
Portland	3	-	-	2	-	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
Balance of County	17	3	-	1	2	6	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	4	4	1	-	
IOSCO	10	3	2	-	2	7	-	-	-	7	-	-	-	-	-	1	-	-	-	-	9	-	1	-	-	
IRON	6	1	1	-	-	2	-	-	-	2	-	1	1	1	-	-	-	-	-	-	5	1	-	-	-	
Iron River	1	-	1	-	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	-	1	-	-	-	-	
Balance of County	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	-	
ISABELLA	24	5	1	2	1	9	1	1	1	12	2	4	-	1	-	-	1	-	-	-	21	2	-	-	1	
Mount Pleasant	11	3	1	-	2	1	5	-	1	6	1	1	-	1	-	-	1	-	-	-	12	1	-	-	-	
Balance of County	13	2	-	-	-	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
JACKSON	89	27	8	8	9	52	3	3	2	60	4	1	4	5	-	1	1	1	1	1	79	8	1	1	-	
Jackson	55	23	5	3	6	37	3	2	-	42	1	-	3	-	-	1	1	1	1	-	50	4	-	-	-	
Balance of County	34	4	3	5	3	15	-	1	2	18	3	1	4	2	-	-	-	-	-	-	29	4	1	-	-	
KALAMAZOO	107	32	11	6	9	58	6	2	-	66	4	4	3	1	2	2	4	1	1	1	91	6	5	3	2	
Kalamazoo	47	16	4	4	6	30	3	2	-	33	2	4	2	1	1	2	1	1	1	-	40	4	2	5	1	
Balance of County	60	16	7	2	3	28	3	2	-	33	2	4	2	1	1	2	1	1	1	-	51	2	-	-	1	
KALKASKA	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	
KENT	217	77	18	21	13	129	13	7	3	152	12	10	6	4	5	4	4	1	1	-	200	7	7	1	2	
Grand Rapids	137	45	13	14	10	62	8	3	2	95	7	6	4	2	4	4	3	1	1	-	127	5	5	-	-	
E. Grand Rapids	2	1	-	-	-	2	-	-	-	2	-	5	4	2	2	1	-	-	-	-	2	2	2	1	2	
Balance of County	78	31	5	6	3	45	5	4	1	55	-	-	-	-	-	-	-	-	-	-	71	2	2	1	2	
KEEWEENAW	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
LAKE	5	-	-	1	1	2	-	-	-	2	-	-	-	-	1	-	-	-	-	-	3	1	-	-	1	
LAPEER	32	10	7	1	2	20	-	-	-	20	4	2	-	-	1	-	-	-	-	-	27	4	-	-	1	
Lapeer	8	3	3	1	1	13	-	-	-	13	3	2	-	-	1	-	-	-	-	-	8	4	-	-	1	
Balance of County	24	7	4	1	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	4	-	-	1	
LEELANAU	13	2	1	1	3	7	-	-	-	7	1	1	1	-	-	-	-	-	-	-	12	-	-	-	1	
LENAWEE	59	13	6	6	1	26	2	3	1	32	4	6	1	1	1	-	-	-	-	-	48	8	2	1	-	
Adrian	20	7	2	4	-	13	1	-	-	15	1	-	1	-	-	-	-	-	-	-	18	2	-	-	1	
Hudson	2	1	-	-	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	-	1	-	-	3	1	
Tecumseh	4	-	-	-	-	-	-	-	-	15	3	5	1	1	1	-	-	-	-	-	26	5	2	-	-	
Balance of County	33	5	4	2	1	12	1	2	-	15	3	5	1	1	1	-	-	-	-	-	-	-	-	-		
LIVINGSTON	20	5	-	-	3	8	2	1	-	11	1	-	1	-	1	-	2	1	-	1	-	17	-	2	1	-
Howell	1	-	-	-	3	8	2	1	-	11	1	-	1	-	1	-	1	2	-	-	1	-	17	-	1	-
Balance of County	19	5	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	
LUCE	11	3	-	-	2	5	-	1	-	6	-	-	1	-	-	-	-	2	1	-	1	-	10	-	-	1
Newberry	7	2	-	-	2	4	-	1	-	4	-	-	1	-	-	-	-	1	1	-	4	-	-	-	1	
Balance of County	4	1	-	-	-	1	-	-	-	2	-	-	1	-	-	-	-	1	1	-	4	-	-	-	-	
MACKINAC	9	2	-	1	1	4	1	-	-	5	-	-	1	-	-	-	-	-	-	-	7	1	1	-	-	
St. Ignace	3	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	4	1	-	-	-	
Balance of County	6	1	-	1	1	3	1	-	-	4	-	-	1	-	-	-	-	-	-	-	4	1	-	-	-	
MACOMB	227	81	17	13	23	134	5	3	1	143	8	11	8	5	3	4	3	6	1	4	1	197	13	7	3	2
East Detroit	31	10	1	1	4	16	1	-	-	18	2	1	1	1	-	-	-	-	-	-	26	2	1	-	1	
Mount Clemens	20	8	3	-	4	15	-	-	-</td																	

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

AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Wks	M O N T H S											Under 1 Yr	Y E A R S					
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4		
MANISTEE	8	1	-	-	1	2	-	1	-	3	1	-	1	-	-	-	-	1	-	-	-	-	6	-	1	1	-	
Manistee	6	1	-	-	-	1	-	1	-	2	1	-	1	-	-	-	-	1	-	-	-	-	4	-	1	1	-	
Balance of County	2	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
MARQUETTE	32	10	2	-	3	15	2	-	1	18	2	2	2	1	-	1	1	1	-	-	-	-	29	3	-	-	-	
Marquette	12	5	-	-	1	6	1	-	1	8	-	-	1	-	-	-	1	1	-	-	-	-	12	1	-	-	-	
Ishpeming	5	1	1	-	-	2	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
Negaunee	2	-	1	-	1	1	-	-	-	7	1	1	2	1	-	-	-	-	-	-	-	-	11	2	-	-	-	
Balance of County	13	4	-	-	2	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MASON	14	6	1	1	1	9	-	1	-	10	1	-	-	-	-	-	1	1	-	-	-	-	-	13	-	1	-	-
Ludington	9	5	1	1	1	7	-	-	-	7	-	-	-	-	-	-	-	1	-	-	-	-	8	-	1	-	-	
Balance of County	5	1	-	-	1	2	-	1	-	3	1	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	
MECOSTA	20	8	3	1	-	12	1	-	-	13	2	-	-	-	1	-	1	1	-	-	-	-	-	17	1	2	-	-
Big Rapids	6	3	2	1	-	5	-	-	-	5	2	-	-	-	1	-	-	-	-	-	-	-	6	-	-	-	-	
Balance of County	14	5	1	-	1	7	1	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	11	1	2	-	-	
MENOMINEE	25	5	3	1	3	12	-	-	1	13	2	2	-	-	-	1	-	2	1	-	1	-	22	1	1	1	-	
Menominee	12	4	3	-	1	8	-	-	-	8	1	1	-	-	-	1	-	2	1	-	1	-	10	-	1	-	-	
Balance of County	13	1	-	1	2	4	-	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	
MIDLAND	31	10	1	2	2	15	3	-	-	18	1	-	1	2	-	-	-	-	-	-	-	-	1	23	4	3	1	-
Midland	22	8	1	2	1	12	3	-	-	15	1	-	1	1	-	-	-	-	-	-	-	-	17	2	2	1	-	
Balance of County	9	2	-	-	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	
MISSAUKEE	6	1	-	-	1	2	-	-	-	2	2	-	-	-	-	-	1	-	-	-	-	-	-	5	-	-	1	-
MONROE	71	32	5	2	5	44	4	1	-	49	2	1	2	1	2	2	1	1	-	-	-	-	61	2	5	1	2	
Monroe	19	11	2	-	1	14	-	-	-	14	-	-	-	-	-	-	-	1	-	-	-	-	17	-	-	-	-	
Milan (Part)	2	1	-	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	1	
Balance of County	50	20	3	2	4	29	4	1	-	34	1	1	2	-	2	2	-	-	-	-	-	-	42	2	2	3	1	
MONTGOMERY	17	5	3	-	2	10	-	1	-	11	-	3	1	-	-	1	-	-	-	-	-	-	-	16	1	-	-	-
Greenville	2	-	1	-	1	8	-	1	-	9	-	3	1	-	-	1	-	-	-	-	-	-	2	-	-	-	-	
Balance of County	15	5	2	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	1	-	-	-	
MONTMORENCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MUSKEGON	131	48	10	9	6	73	6	3	1	83	5	4	5	2	1	1	3	1	4	2	2	113	8	5	3	1		
Muskegon	46	20	1	4	1	26	1	-	-	27	3	1	1	-	1	1	-	1	1	-	-	38	5	3	1	-		
Muskegon Heights	23	9	4	2	1	16	1	-	-	17	2	2	1	-	1	-	2	-	-	2	-	22	-	1	-	-		
Balance of County	60	19	5	3	4	31	4	3	1	39	3	1	4	1	-	2	-	2	1	1	1	53	3	2	-	2		
NEWAYGO	20	4	3	-	3	10	1	-	-	11	-	2	-	1	-	-	-	-	-	-	-	-	16	2	2	-	-	
Fremont	5	2	-	-	3	2	1	-	-	3	-	2	-	1	-	-	-	-	-	-	-	3	-	1	1	-		
Balance of County	15	2	3	-	3	8	-	-	-	8	-	2	-	1	-	-	-	-	-	-	-	13	1	1	-	-		
OAKLAND	430	150	36	17	31	236	22	6	4	268	22	18	12	10	6	6	5	4	6	1	3	361	27	17	15	10		
Pontiac	81	31	8	1	3	43	4	1	1	49	4	6	1	2	-	-	2	1	3	-	1	69	6	3	2	1		
Ferndale	36	11	5	3	4	23	1	-	-	25	3	-	3	-	-	-	1	1	-	-	-	32	2	2	3	2		
Royal Oak	49	17	5	2	5	29	1	1	1	32	2	1	2	-	1	-	-	1	1	-	-	40	2	2	1	-		
Berkley	12	5	1	-	-	6	1	-	-	7	-	-	2	-	1	-	-	-	-	-	-	-	10	1	1	2	1	
Birmingham	15	7	-	-	1	8	-	-	-	9	2	-	2	-	1	-	-	-	-	-	-	-	11	1	1	2	2	
Hazel Park	21	6	-	-	1	7	2	-	-	7	2	-	2	-	-	-	-	-	-	-	-	-	16	2	2	1	2	
Clawson	13	6	1	-	-	7	-	-	-	7	-	-	2	-	-	-	-	-	-	-	-	-	9	-	-	1	-	
Holly	2	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	-	
Huntington Woods	3	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	1	-	
Northville (Part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oak Park	20	6	5	2	2	15	3	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pleasant Ridge	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rochester	4	1	-	-	1	1	-	-	-	4	-	-	4	-	5	4	1	2	2	1	2	149	10	7	6	2		
Balance of County	174	58	13	8	14	93	9	3	2	107	7	10	4	4	5	4	1	2	2	1	2	-	-	-	-	-	-	-
OCEANA	13	2	2	-	1	5	1	-	-	6	-	-	1	-	1	1	2	-	-	-	-	-	11	1	-	1	-	
OGEMAW	6	1	-	1	-	2	-	-	-	1	3	-	-	1	-	-	-	-	-	-	-	-	5	-	-	2	-	
ONTONAGON	12	3	-	1	1	5	1	-	-	6	1	-	1	-	-	-	-	-	-	-	-	-	8	2	2	-	-	
OSCEOLA	5	-	-	1	1	2	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	-	-	
OSCOA	2	-	1	-	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
OTSEGO	5	2	1	-	1	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1	-	
OTTAWA	62	11	9	6	4	30	1	1	1	33	2	3	4	1	-	3	-	2	1	-	-	-	49	8	2	2	1	
Holland	10	3	-	1	1	5	-	-	-	6	-	-	1	-	-	1	-	-	1	-	-	-	3	1	-	-	-	
Grand Haven	8	1	3	1	1	6	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	7	1	-	-	-	
Zeeland	4	-	2	-	-	2	-	-	-	19	2	2	3	1	-	2	-	-	1	1	-	-	3	1	6	-	2	
Balance of County	40	7	4	4	2	17	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	
PRESQUE ISLE	8	3	1	1	-	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	5	2	1	-	-	
Rogers City	3	-																										

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

AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Wks	M O N T H S											Under 1 Yr	Y E A R S				
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4	
			-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
SANILAC	23	10	2	1	-	13	-	-	-	13	-	-	-	1	-	-	-	-	1	1	1	-	17	3	3	-	-
SCHOOLCRAFT	7	3	-	-	1	4	-	-	-	4	-	-	-	1	-	-	-	-	1	-	-	-	6	1	-	-	-
Manistique	4	3	-	-	1	4	-	-	-	4	-	-	-	1	-	-	-	-	1	-	-	-	4	1	-	-	-
Balance of County	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	2	1	-	-	-
SHIAWASSEE	40	13	6	5	-	24	1	-	-	25	1	-	1	3	-	-	-	2	-	2	-	-	34	2	2	1	1
Owosso	18	9	3	2	-	14	1	-	-	15	-	-	1	1	-	-	-	2	-	2	-	-	18	-	-	-	-
Durand	4	1	-	-	1	2	-	-	-	2	-	-	-	1	-	-	-	-	2	-	-	-	4	-	-	-	-
Balance of County	18	3	3	2	-	8	-	-	-	8	1	-	1	2	-	-	-	-	-	-	-	-	12	2	2	1	1
TUSCOLA	22	4	1	1	3	9	1	1	1	12	1	1	2	1	1	-	-	-	-	-	-	-	18	1	-	2	1
Caro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vassar	2	1	-	-	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1
Balance of County	20	3	1	1	2	7	1	1	1	10	1	1	2	1	1	-	-	-	-	-	-	-	16	1	-	-	-
VAN BUREN	36	10	2	1	-	13	1	1	2	17	3	2	3	1	1	1	-	-	-	-	-	-	28	2	4	1	1
South Haven	9	3	1	1	-	5	1	-	-	6	1	-	-	1	-	-	-	-	-	-	-	-	6	-	-	1	-
Balance of County	27	7	1	1	-	8	-	1	2	11	2	2	3	1	-	-	-	1	-	-	-	-	20	2	4	-	1
WASHTENAW	95	35	9	7	7	58	6	1	3	68	6	3	2	2	2	2	1	1	1	-	-	-	87	3	1	2	2
Ann Arbor	15	6	1	2	1	10	1	-	1	12	-	1	1	-	-	-	-	-	-	-	-	-	15	-	-	-	-
Ypsilanti	24	11	1	2	1	15	1	-	1	17	4	-	1	1	-	-	-	-	-	-	-	-	24	-	-	-	-
Chelsea	2	1	-	-	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1
Milan (Part)	4	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	44	2	1	-	1
Balance of County	50	15	7	3	4	29	4	1	1	35	2	2	-	1	2	-	1	1	-	-	-	-	-	-	-	-	
WAYNE	2,009	790	192	125	135	1,242	77	40	33	1,392	95	79	50	44	29	22	24	17	10	11	14	1,787	94	50	49	29	
Detroit	1,391	542	146	85	90	863	53	28	20	964	56	54	41	29	20	15	17	12	7	8	6	1,231	67	34	36	21	
Dearborn	83	36	11	0	3	58	-	2	2	62	5	3	2	-	1	1	-	-	-	-	-	76	4	-	3	-	
Hamtramck	34	14	3	1	2	20	-	-	2	22	4	-	1	-	1	-	-	-	-	-	-	29	4	-	-	1	
Highland Park	27	17	1	3	2	23	-	-	1	24	1	1	-	-	-	-	-	-	-	-	-	26	-	-	-	-	
Lincoln Park	46	17	3	4	3	27	2	2	1	32	1	3	-	3	1	1	-	1	-	-	-	43	1	2	-	-	
Wyandotte	38	14	3	3	1	21	1	1	2	25	6	1	-	1	-	-	-	-	-	-	-	34	2	1	-	-	
Allen Park	20	8	-	1	2	11	-	-	1	12	2	-	1	-	-	-	-	1	1	-	-	17	-	1	1	1	
Ecorse	16	5	1	1	1	8	1	-	-	9	1	-	1	-	1	-	-	1	1	-	-	14	1	-	-	1	
Grosse Pte. Park	4	1	-	-	1	2	-	-	-	2	-	-	1	-	1	-	-	1	-	-	-	4	-	1	-	-	
Grosse Pte. Woods	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	
Inkster	32	12	2	1	2	17	1	1	-	19	1	4	-	1	-	-	-	1	-	-	-	26	1	1	1	-	
Livonia	17	9	1	-	1	11	2	-	-	13	-	2	-	-	1	-	-	1	-	-	-	16	1	-	-	-	
River Rouge	14	9	-	1	1	11	1	-	-	12	1	-	-	-	-	-	-	1	-	-	-	14	-	-	-	-	
Garden City	21	8	-	3	1	12	2	1	-	15	-	2	1	1	-	-	-	-	-	-	-	19	1	-	-	-	
Grosse Pte.	5	3	-	-	-	3	1	-	-	4	-	-	1	-	-	-	-	-	-	-	-	5	-	-	-	-	
Melvindale	8	3	-	1	-	2	5	-	-	5	-	1	-	-	-	-	-	-	-	-	-	6	-	2	-	-	
Northville (Part)	6	3	1	1	-	5	-	-	-	5	-	3	1	-	-	-	-	-	-	-	-	5	-	1	-	-	
Plymouth	12	3	1	-	1	5	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	10	1	-	-	-	
Trenton	6	3	-	-	-	3	-	-	-	14	2	-	1	-	-	-	-	1	-	-	-	3	1	1	-	1	
Wayne	19	9	1	2	1	13	-	1	-	5	3	2	-	1	-	-	-	1	-	-	-	18	1	-	-	-	
Balance of County	206	74	17	11	21	123	13	3	5	144	12	7	3	6	5	3	1	1	2	2	2	187	9	3	6	1	
WEXFORD	9	2	3	1	1	7	-	-	-	7	-	-	1	-	-	-	-	-	-	-	-	8	1	-	-	-	
Cadillac	6	2	1	1	-	4	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	5	1	-	-	-	
Balance of County	3	-	2	1	1	3	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	3	-	-	-	-	

TABLE 12 - BIRTHS, DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, MARRIAGES, AND DIVORCES, AND RATES BY COUNTY: POPULATION MICHIGAN, 1954

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

AREA	Population Estimates July 1, 1954	OCCURRENCE		RESIDENCE Deaths								MARRIAGES		DIVORCES*			
		Live Births		Deaths		Live Births		All Ages		Infant		Neonatal		Maternal		Rate Persons Married	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE	7,024,000	190,700	27.1	60,284	8.6	192,104	27.3	60,706	8.6	4,795	25.0	3,560	18.5	94	4.9	51,243	14.6
Alcona	5,420	65	12.0	48	8.9	124	22.9	73	13.5	4	32.3	3	24.2	-	0	35	12.9
Alger	9,220	148	16.1	78	9.5	248	26.9	113	12.3	5	20.2	3	12.1	-	0	73	15.8
Allegan	52,090	1,069	20.5	442	8.5	1,406	27.0	500	9.6	30	21.4	18	12.8	-	0	287	11.0
Alpena	23,080	822	35.6	244	10.6	659	28.6	240	10.4	13	19.7	10	15.2	-	0	178	15.4
Antrim	10,340	133	12.9	89	8.6	239	23.1	115	11.1	5	20.9	3	12.6	-	0	72	13.9
Arenac	9,760	157	16.1	119	12.2	198	20.3	115	11.8	8	40.4	6	30.3	-	0	88	18.0
Baraga	6,600	136	20.9	61	9.2	151	22.9	72	10.9	2	13.2	2	13.2	-	0	55	16.7
Barry	28,910	577	20.0	282	9.8	621	21.5	294	10.2	15	24.2	7	11.3	-	0	158	10.9
Bay	94,530	2,829	29.9	955	10.1	2,724	28.8	930	9.8	69	25.3	51	18.7	1	3.7	660	14.0
Benzie	7,940	218	27.5	99	12.5	188	23.7	97	12.2	2	10.6	1	5.3	-	0	58	14.6
Berrien	136,000	3,591	26.4	1,123	8.3	3,716	27.3	1,149	8.4	95	25.6	66	17.8	3	8.1	1,092	16.1
Branch	33,730	632	18.7	345	10.2	651	19.3	336	10.0	16	24.6	12	18.4	2	30.7	170	10.1
Calhoun	126,160	3,504	27.8	1,270	10.1	3,200	25.4	1,200	9.5	96	30.0	69	21.6	2	6.2	861	13.6
Cass	33,120	302	11.5	285	8.6	641	19.4	365	11.0	26	40.6	18	28.1	1	15.6	197	11.9
Charlevoix	12,580	188	14.9	136	10.8	297	23.6	164	13.0	9	30.3	7	23.6	-	0	103	16.4
Cheboygan	12,930	362	28.0	150	11.6	366	28.3	166	12.8	15	41.0	10	27.3	-	0	112	17.3
Chippewa	30,730	1,026	33.4	276	9.0	984	32.0	308	10.0	33	33.5	28	28.5	-	0	266	17.3
Clare	10,560	237	22.4	102	9.7	256	24.2	115	10.9	8	31.2	4	15.6	-	0	91	17.2
Clinton	32,940	658	20.0	291	8.8	1,010	30.7	344	10.4	32	31.7	28	27.7	1	9.9	210	12.8
Crawford	4,440	193	43.5	83	18.7	110	24.8	55	12.4	2	18.2	-	0	-	0	34	15.3
Delta	31,290	954	30.5	305	9.7	899	28.7	335	10.7	22	24.5	16	17.8	-	0	279	17.8
Dickinson	23,310	704	30.2	337	14.5	555	23.8	248	10.6	14	25.2	8	14.4	-	0	201	17.2
Eaton	44,870	639	14.2	348	7.8	1,186	26.4	460	10.3	27	22.8	18	15.2	-	0	240	10.7
Emmet	15,940	587	36.8	423	15.2	381	23.9	182	11.4	10	26.2	7	18.4	-	0	130	16.3
Genesee	318,170	10,227	32.1	2,375	7.5	9,989	31.4	2,434	7.6	280	28.0	207	20.7	2	2.0	2,640	16.6
Gladwin	9,850	165	16.8	104	10.6	254	25.8	102	10.4	7	27.6	4	15.7	-	0	69	14.0
Gogebic	26,130	753	28.8	346	13.2	584	22.3	332	12.7	17	29.1	9	15.4	-	0	221	16.9
Grand Traverse	30,530	1,072	35.1	610	20.0	753	24.7	250	8.2	8	10.6	6	8.0	-	0	260	17.0
Gratiot	34,830	787	22.6	368	10.6	916	26.3	384	11.0	23	25.1	15	16.4	1	10.9	257	14.8
Hillsdale	33,280	477	14.3	315	9.5	721	21.7	377	11.3	19	26.4	16	22.2	-	0	191	11.5
Houghton	34,670	764	22.0	517	14.9	697	20.1	532	15.3	13	18.7	9	12.9	1	14.3	258	14.9
Huron	33,640	893	26.5	297	8.8	909	27.0	341	10.1	19	20.9	17	18.7	1	11.0	223	13.3
Ingham	193,890	6,375	32.9	1,536	7.9	5,483	28.3	1,506	7.8	134	24.4	93	17.0	3	5.5	1,046	17.0
Ionia	39,030	538	13.8	358	9.2	990	25.4	451	11.6	17	17.2	13	13.1	-	0	258	13.2
Iosco	12,810	279	21.8	125	9.8	353	27.6	140	10.9	9	25.5	7	19.8	-	0	125	19.5
Iron	18,380	411	22.4	184	10.0	403	21.9	213	11.6	5	12.4	2	5.0	-	0	164	17.8
Isabella	30,170	827	27.4	211	7.0	804	26.6	251	8.3	21	26.1	12	14.9	2	24.9	239	15.8
Jackson	117,220	3,207	27.4	1,104	9.4	3,035	25.9	1,112	9.5	79	26.0	60	19.8	2	6.6	817	13.9
Kalamazoo	140,440	3,737	26.6	1,356	9.7	3,712	26.4	1,157	8.2	91	24.5	66	17.8	2	5.4	889	12.7
Kalkaska	4,600	69	15.0	46	10.0	82	17.8	61	13.3	2	24.4	1	12.2	-	0	35	15.2
Kent	321,680	9,790	30.4	3,144	9.8	9,229	28.7	2,964	9.2	200	21.7	152	16.5	3	3.3	2,533	15.7
Keweenaw	2,440	0	20	8.2	37	15.2	43	17.6	1	27.0	-	0	0	0	22	18.0	
Lake	4,620	20	4.3	48	10.4	110	23.8	82	17.7	3	27.3	2	18.2	-	0	0	5.6
Lapeer	41,640	762	18.3	372	8.9	905	21.7	339	8.1	27	29.8	20	22.1	1	11.0	280	13.4
Leelanau	6,900	41	4.6	37	4.2	228	25.6	86	9.7	12	52.6	7	30.7	1	43.9	61	13.7
Lenawee	73,180	2,095	28.6	603	8.2	1,882	25.7	666	9.1	48	25.5	32	17.0	2	10.6	418	11.4
Livingston	29,440	512	17.4	283	9.6	778	26.4	297	10.1	17	21.9	11	14.1	-	0	209	14.2
Luce	6,930	174	25.1	207	29.9	129	18.6	55	7.9	10	77.5	6	46.5	-	0	1	0.3
Mackinac	9,120	71	7.8	75	8.2	258	28.3	116	12.7	7	27.1	5	19.4	-	0	76	16.7
Macomb	241,840	4,590	19.0	1,226	5.1	8,552	35.4	1,571	6.5	197	23.0	143	16.7	4	4.7	1,533	12.7
Manistee	18,270	372	20.4	219	12.0	426	23.3	254	13.9	6	14.1	3	7.0	2	46.9	146	16.0
Marquette	48,930	1,304	26.7	516	10.5	1,237	25.3	523	10.7	29	23.4	18	14.6	-	0	387	15.8
Mason	21,000	451	21.5	206	9.8	439	20.9	225	10.7	13	29.6	10	22.8	-	0	134	12.8
Mecosta	18,190	312	17.2	208	11.4	434	23.9	196	10.8	17	34.2	13	30.0	-	0	148	16.3
Menominee	24,990	707	28.3	260	10.4	600	24.0	260	10.4	22	36.7	13	21.7	-	0	229	18.3
Midland	40,340	1,281	31.8	232	5.8	1,271	31.5	264	6.5	23	18.1	18	14.2	-	0	277	13.7
Missaukee	7,030	10	1.4	27	3.8	158	22.5	73	10.4	5	31.6	2	12.7	-	0	59	16.8
Monroe	85,570	1,653	19.3	549	6.4	2,415	28.2	691	8.1	61	25.3	49	20.3	1	4.1	1,018	23.8
Montcalm	33,140	1,383	41.7	401	12.1	861	26.0	384	11.6	16	18.6	11	12.8	-	0	244	14.7
Montgomery	3,950	2	0.5	30	7.6	88	22.3	44	11.1	-	0	-	0	-	0	32	16.2
Muskegon	132,160	3,846	29.1	1,053	8.0	4,121	31.2	1,117	8.5	113	27.4	83	20.1	2	4.9	1,062	16.1
Newaygo	23,940	623	26.0	259	10.8	616	25.7	280	11.7	16	26.0	11	17.9	1	16.2	185	15.5
Oakland	515,680	7,805	15.1	2,768	5.4	15,769	30.6	3,359	6.5	361	22.9	268	17.0	5	3.2	3,051	11.8
Oceana	15,650	568	36.3	166	10.6	434	27.7	167	10.7	11	25.3	6	13.8	-	0	135	17.3
Ogemaw	9,060	323	35.7	96	10.6	211	23.3	82	9.1	5	23.7	3	14.2	-	0	97	21.4
Ontonagon	11,020	162	14.7	122	11.1	245	22.2	149	13.5	8	32.7	6	24.5	1	40.8	79	14.3
Oscoda	13,510	316	23.4	134	9.9	301	22.3	138	10.2	4	13.3	3	10.0	-	0	96	14.2
Saginaw	3,300	65	19.7	28	8.5	78	23.6	32</td									

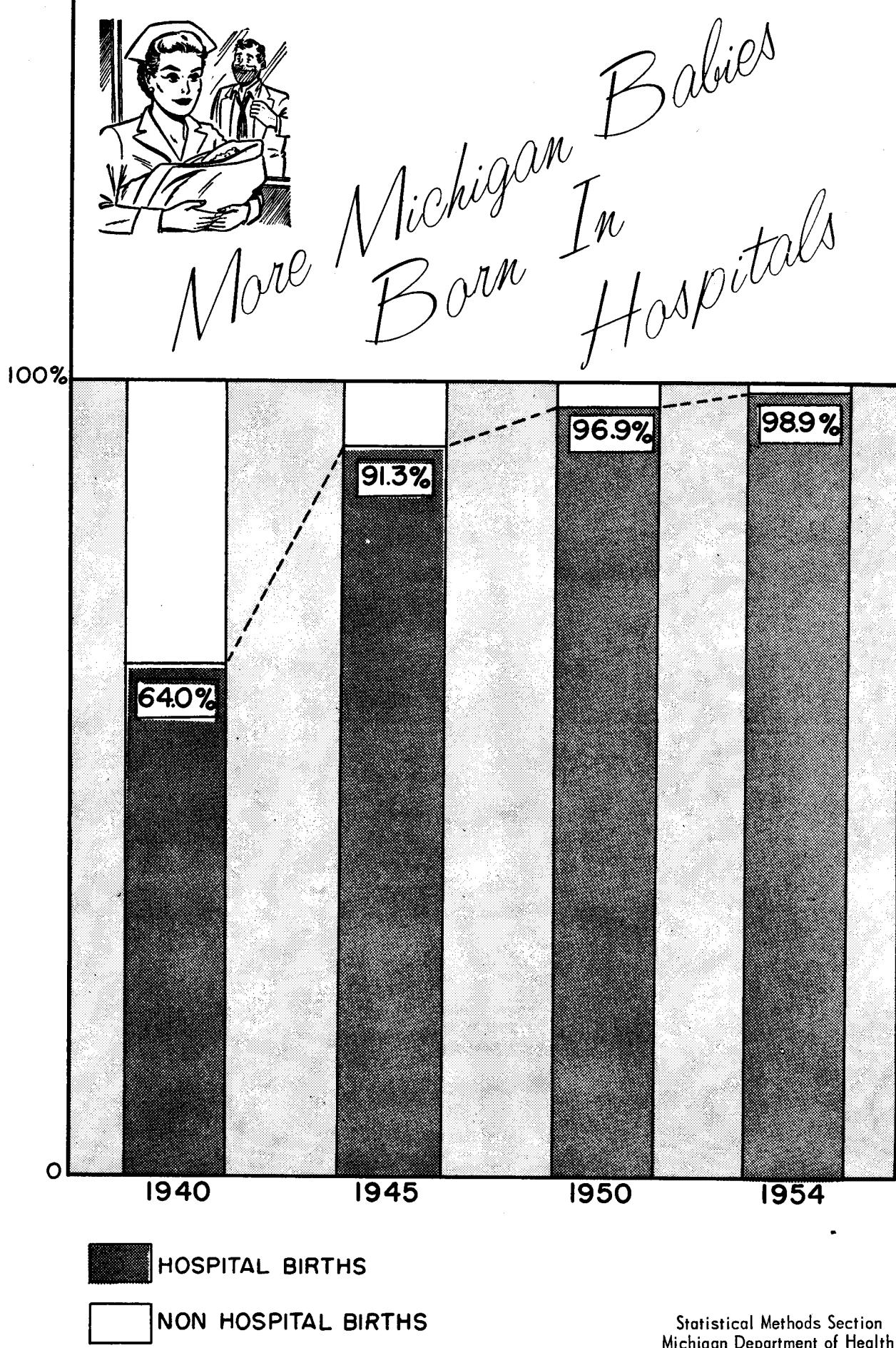


TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, AND RATES BY PLACE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

MICHIGAN, 1954

(Deaths exclusive of fetal deaths. Birth and death rates per 1,000 population. Death rates under 1 year and under 28 days per 1,000 live births.)

AREA	OCCURRENCE	Live Births										Deaths																		
		Place of Delivery					Place of Residence					All Ages					Neonatal													
		Number	Rate	Number	Rate	Total	Physician	Hospital	Nurse	Midwife	Other	Male	Female	Color	White	Non-White	Color	White	Non-White	Infant	Neonatal	Number	Rate	Maternal	Number	Rate				
STATE	Population Estimates July 1, 1954	7,024,000	27.1	60,284	8.6	192,104	27.3	4,110	66	190,070	2,034	1,050	60	124	98,265	93,819	171,443	20,661	5,610	3,249	60,706	8.6	4,795	25.0	3,560	18.5	94	4.9		
ALCONA	5,420	65	12.0	48	8.9	124	22.9	2	-	107	1.7	1.7	-	-	66	58	124	-	5	3	73	13.5	4	32.3	3	24.2	-	0		
ALGER	9,220	148	16.1	78	8.5	246	26.9	6	-	113	2	-	2	118	130	246	2	4	4	113	12.3	5	20.2	3	12.1	-	0			
Munising	4,070	146	35.9	47	11.5	113	27.8	4	-	133	2	-	2	52	61	112	1	2	2	41	10.1	3	26.5	2	17.7	-	0			
Balance of County	5,150	2	0.4	31	6.0	135	26.2	2	-	-	-	-	-	66	69	134	1	2	2	72	14.0	2	14.8	1	7.4	-	0			
ALLAGAN	52,090	1,069	20.5	442	8.5	1,405	27.0	35	-	1,393	12	12	-	-	744	661	1,382	23	33	17	500	9.6	30	21.7	16	12.8	-	0		
Otsego	5,150	526	102.5	79	15.3	110	24.3	-	-	106	-	-	-	-	58	48	106	1	5	1	62	12.0	3	27.3	1	9.4	-	0		
Plainwell	3,000	127	3.2	66	22.7	265	6.7	1,112	33	-	77	-	-	-	43	34	1,094	18	27	1	1	47	10.8	5	64.9	3	39.0	-	0	
Balance of County	39,580	138	20.9	61	9.2	151	22.9	1	-	1,100	12	12	-	-	561	531	1,094	18	27	1	364	9.2	20	18.0	14	12.6	-	0		
ALPENA	23,080	822	35.6	244	10.6	659	28.6	6	-	657	2	2	-	-	321	338	659	-	10	12	240	10.4	13	19.7	10	15.2	-	0		
Alpena	13,640	622	60.3	192	14.1	372	27.3	4	-	370	2	-	-	-	182	190	372	-	7	9	152	11.1	6	16.1	6	13.9	-	0		
Balance of County	9,440	-	0	52	5.5	287	30.4	2	-	-	-	-	-	139	146	287	-	3	3	88	9.3	7	24.4	4	13.9	-	0			
ANTRIM	10,340	133	12.9	89	8.6	239	23.1	6	-	232	7	6	-	-	126	113	232	7	3	5	115	11.1	5	20.9	3	12.6	-	0		
ARENAC	9,760	157	16.1	119	12.2	196	20.3	2	-	196	2	2	-	-	95	103	197	1	1	6	115	11.8	6	40.4	6	30.3	-	0		
BARAGA	6,680	138	20.9	61	9.2	151	22.9	1	-	145	6	6	-	-	73	76	146	5	4	5	72	10.9	2	13.2	2	13.2	-	0		
BARRY	26,910	577	20.0	282	9.8	621	21.5	12	-	615	6	2	1	3	327	294	621	-	10	9	294	10.2	15	24.2	7	11.3	-	0		
Hastings	6,680	572	85.6	169	25.3	111	16.6	-	-	111	-	-	-	-	69	42	111	-	4	4	85	12.9	4	27.0	4	16.7	-	0		
Balance of County	22,230	5	0.2	113	5.1	510	22.9	12	-	504	6	2	1	3	258	252	510	-	6	8	269	9.4	11	21.6	4	7.8	-	0		
Bay	94,530	829	29.9	955	10.1	2,724	28.8	60	6	2,678	46	45	1	-	1,437	1,287	2,703	21	43	51	930	9.8	69	25.3	51	18.7	1	3.7		
Bay City	55,740	2,795	50.1	739	13.3	1,526	27.4	41	3	1,513	13	12	1	1	612	714	1,507	19	29	27	620	11.1	41	26.9	30	19.7	1	6.6		
Escanaba	3,500	4	1.1	6	1.7	119	34.0	2	-	118	1	1	-	-	64	55	118	1	6	4	28	8.0	20	22.6	18	16.7	-	0		
Balance of County	35,290	30	0.9	10	6.0	1,079	30.6	17	3	1,047	32	32	-	-	561	518	1,078	1	8	8	214	8.9	11	27.0	9	22.1	1	24.6		
BENZIE	7,940	218	27.5	99	12.5	168	23.7	2	-	180	8	8	-	-	90	98	185	3	12	4	97	12.2	2	10.6	1	5.3	-	0		
BERKIEL	136,000	3,591	26.4	1,123	8.3	3,716	27.3	77	6	3,656	60	40	15	5	1,857	1,859	3,290	426	120	53	1,149	8.4	95	25.6	66	17.8	3	8.1		
Benton Harbor	22,540	998	44.3	217	9.6	740	32.8	17	6	734	6	1	3	2	375	365	563	177	66	10	207	9.2	18	24.3	11	14.9	-	0		
Niles	15,830	1,056	66.7	209	13.2	608	38.4	13	-	602	6	4	-	-	323	286	588	20	12	6	137	8.7	17	11.5	11	11.5	-	0		
St. Joseph	11,690	12	0.6	78.7	17.2	142	23.7	9	-	316	2	2	-	-	152	166	317	1	6	4	106	8.8	4	12.6	4	12.6	1	31.4		
Buchanan	6,090	589	7.4	497	6.2	1,908	24.0	38	3	1,866	40	27	12	1	71	71	119	23	30	3	67	11.0	11	27.5	9	35	18.3	1	5.2	
Balance of County	79,650	33,730	632	18.7	345	10.2	651	19.3	-	649	2	2	-	-	332	319	651	-	6	11	336	10.0	12	24.6	12	18.4	2	30.7		
BRANCH	9,680	630	65.1	229	23.7	244	25.2	8	-	243	1	1	-	-	125	119	244	-	6	2	122	12.6	5	20.5	3	12.3	1	41.0		
Coldwater	24,050	2	0.1	116	4.8	407	16.9	11	-	406	1	1	-	-	207	200	407	-	20	10	365	11.0	26	40.6	18	28.1	1	15.6		
CALHOUN	129,160	3,504	27.8	1,270	10.1	3,200	25.4	57	-	3,197	13	13	-	-	1,613	1,587	2,913	287	94	57	1,540	10.6	34	27.5	21	17.0	2	6.2		
Battle Creek	50,750	2,620	51.6	722	12.1	1,237	24.4	24	-	293	1	1	-	-	149	145	215	79	12	6	104	9.6	8	27.2	7	23.0	-	0		
Albion	10,880	566	52.2	191	7.6	469	18.6	8	-	460	9	7	-	-	86	73	159	-	2	3	77	12.5	1	6.3	1	6.3	0	0		
Marshall	5,900	311	52.7	85	14.4	159	26.9	2	-	1,504	6	6	-	-	771	739	1,599	11	23	24	461	8.2	53	35.1	40	26.5	1	6.6		
Balance of County	56,630	5	0.1	342	5.8	5,150	25.6	27	-	-	-	-	-	1,504	1,510	2,506	204	13	7	164	13.0	9	30.3	7	23.6	-	0			
CASS	33,120	3,632	11.5	285	6.6	641	19.4	10	-	631	10	7	-	-	341	300	571	70	20	10	365	11.0	26	40.6	18	28.1	1	15.6		
Dowagiac	7,870	333	42.3	94	11.9	172	21.9	2	-	171	1	-	-	-	1,231	1,231	1,231	79	12	2	248	221	427	15	10	201	165	366	17	0
Balance of County	25,250	49	1.9	191	7.6	469	18.6	8	-	460	9	7	-	-	1,243	1,243	1,243	79	12	2	248	221	427	15	10	201	165	366	2	0
CHARLEVOIX	12,580	168	14.9	136	10.8	297	23.6	4	-	283	14	14	-	-	144	153	284	13	7	7	164	13.0	9	30.3	7	23.6	-	0		
Boyne City	2,510	7	0.7	116	6.4	65	23.0	4	-	59	6	6	-	-	26	39	64	1	2	2	33	15.5	3	46.2	2	30.8	-	0		
Charlevoix	7,250	862	26.0	150	11.6	366	28.3	4	-	299	67	67	-	-	171	171	171	79	12	2	248	221	427	15	10	201	165	366	2	0
Balance of County	237	102	9.7	256	24.2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CHEBOYGAN	12,930	362	60.3	91	4.8	59	7.8	217	-	39	39	-	-	-	178	178	217	-	-	-	-	-	-	-	-	-	-	-	-	
Balance of County	7,520	36	4.8	59	7.8	5,510	25.6	27	-	-	-	-	-	-	1,504	1,510	2,506	227	17	2	248	221	427	15	10	201	165	366	2	0
CHIPPWA	30,730	1,026	33.4	276	9.0	984	32.0	15	-	973	11	3	5	5	3	277	306	580	5	225	17	308	11.3	11.3	2	11.3	1	5.6	-	0
Sault Ste. Marie	11,770	1,019	53.7	222	11.7	562	30.7	6	-	395	7	5	5	1	215	187	399	3	111	10</										

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 20 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (continued)

AREA	Population Estimates July 1, 1950	RESIDENCE																													
		Live Births						Deaths																							
		OCCURRENCE			Place of Delivery			Non-Hospital Physician			All Ages Number Rate			Infant Number Rate			Neonatal Number Rate			Maternal Number Rate											
CLINTON	658,940	291	8.8	1,010	30.7	26	-	992	18	14	3	549	461	1,009	1	16	14	344	10.4	32	27.7	1	9.9								
St. Johns	637,124	146	28.5	1,49	29.0	6	-	147	2	2	-	78	1,49	149	1	3	77	15.0	6	40.3	1	67.1	0	0							
Balance of County	21,810	145	5.2	861	31.0	26	-	845	16	12	1	3	471	390	860	1	16	11	267	9.6	26	30.2	22	25.6	0	0					
CRAWFORD	4,440	193	43.5	83	18.7	110	24.8	2	-	108	2	1	1	61	49	109	1	1	4	55	12.4	2	18.2	-	0	0	0				
DELTA	31,290	954	30.5	305	9.7	899	28.7	16	-	867	32	2	1	29	474	425	686	13	16	12	335	10.7	22	24.5	16	17.8	-	0			
Escanaba	14,770	939	64.9	211	14.6	409	28.3	8	-	392	17	1	-	16	210	199	404	5	5	149	10.3	11	26.9	17	17.1	-	0				
Gladstone	6	1.3	21	4.4	143	30.2	2	-	139	4	4	-	4	70	73	141	2	4	39	8.2	3	21.0	2	14.0	-	0					
Balance of County	9	0.7	73	6.0	347	28.7	6	-	336	11	1	1	9	194	153	341	6	5	7	147	12.2	8	23.1	7	20.2	-	0				
DICKINSON	23,310	704	30.2	337	14.5	555	23.8	16	-	-	-	-	-	292	263	555	-	4	6	248	10.6	14	25.2	8	14.4	-	0				
Iron Mountain	549	61.3	227	25.3	201	22.2	6	-	201	2	1	-	-	201	-	-	4	2	118	13.2	6	29.9	3	14.9	-	0					
Kingston	4,910	-	0	4	2.9	178	36.3	4	-	-	-	-	-	103	75	176	-	-	2	41	6.4	3	16.9	1	5.6	-	0				
Norway	3,040	155	51.0	45	14.8	63	20.7	-	-	113	17.7	6	-	-	40	23	63	-	-	1	62	9.7	3	26.5	3	26.5	-	0			
BALANCE OF COUNTY	6,400	-	0	51	8.0	-	-	-	-	53	60	-	-	-	53	60	-	-	-	1	62	9.7	3	26.5	3	26.5	-	0			
EATON	44,870	144	14.2	348	7.8	1,186	26.4	15	-	1,174	12	1	-	-	600	1,184	2	18	12	103	10.3	27	22.8	18	15.2	-	0				
Charlotte	7,290	361	49.5	117	16.0	190	26.1	-	-	190	-	-	-	101	89	190	-	3	1	106	14.4	7	36.8	4	21.1	-	0				
Eaton Rapids	3,980	266	66.8	41	10.6	101	26.0	-	-	101	-	-	-	45	56	101	-	3	33	8.5	2	19.8	1	9.9	-	0					
Grand Ledge	5,130	2	0.4	44	8.6	138	26.9	-	-	137	1	1	-	77	61	138	-	1	2	55	10.7	3	21.7	3	21.7	-	0				
BALANCE OF COUNTY	28,570	10	0.4	146	5.1	757	26.5	15	-	746	11	11	-	-	377	380	755	2	11	9	267	9.3	15	19.8	10	13.2	-	0			
BENNETT	15,940	587	36.8	243	15.2	381	23.9	8	-	377	4	3	-	1	180	201	369	12	7	4	182	11.4	10	26.2	7	18.4	-	0			
Petoskey	6,310	583	92.4	188	29.8	157	24.9	2	-	220	4	3	-	1	69	88	152	5	3	1	66	10.5	3	31.8	3	19.1	-	0			
Mount Morris	9,630	4	0.4	55	5.7	224	23.3	6	-	190	-	-	-	111	113	217	7	4	3	116	12.0	5	22.3	4	17.9	-	0				
GENESEE	318,170	10,227	32.1	2,375	7.5	9,989	31.4	213	3	9,961	28	19	4	5	5,172	4,817	9,008	981	260	169	2,434	7.6	290	28.0	207	20.7	2.0				
Flint	190,420	10,002	52.5	1,903	10.0	5,792	30.4	135	3	5,777	20	14	3	3	2,991	2,806	4,834	963	219	98	1,547	8.1	176	30.4	133	22.9	2				
Fenton	14,960	276	24.9	100	9.0	250	22.4	6	-	247	3	1	-	-	113	83	196	-	-	4	57	11.5	2	10.2	1	5.1	-	0			
Bethel	3,370	0	17	5.0	81	24.0	2	-	81	-	-	-	-	46	35	81	-	2	-	38	11.3	2	24.7	-	0	0	0				
Mount Morris	3,370	207	63.3	91	27.8	63	19.3	-	-	63	-	-	-	-	26	37	63	-	3	30	11.3	2	9.0	1	4.5	-	0				
BALANCE OF COUNTY	119,000	225	1.9	428	3.6	3,773	31.7	70	-	190	-	-	-	99	91	189	-	1	3	97	11.7	3	15.8	1	5.3	0	0				
GLADWIN	9,850	165	16.8	104	10.6	254	25.8	7	-	241	13	13	-	-	129	125	254	-	10	5	102	10.4	7	27.6	4	15.7	-	0			
GOERICHE	26,130	753	26.8	346	13.2	564	22.3	10	-	581	3	3	-	-	294	290	583	1	5	12	332	12.7	17	29.1	9	15.4	-	0			
Ironwood	11,170	276	41.0	83	8.3	196	39.5	4	-	247	3	1	-	-	123	127	250	-	7	166	14.3	11	44.0	5	12.4	-	0				
Bessemer	3,370	-	0	17	5.0	223	58.8	4	-	223	-	-	-	-	46	35	81	-	2	-	38	11.3	2	24.7	-	0	0	0			
Wakerley	3,270	207	63.3	91	27.8	63	19.3	-	-	190	-	-	-	-	99	91	189	-	1	3	97	11.7	3	15.8	1	5.3	0	0			
BALANCE OF COUNTY	8,320	268	32.2	138	16.6	190	22.8	2	-	746	7	6	-	-	393	360	748	5	17	11	250	8.2	6	10.6	6	8.0	0	0			
GRAND TRAVERSE	30,530	1,072	35.1	610	20.0	753	24.7	20	-	403	1	5	-	-	269	195	402	2	15	123	346	3	12	5	16.4	1	10.9	-	0		
Traverse City	17,950	1,049	58.4	508	28.3	404	22.5	12	-	343	6	5	-	-	184	184	343	3	12	5	166	8.4	3	8.6	3	2.9	-	0			
BALANCE OF COUNTY	12,580	23	1.8	102	6.1	349	27.7	8	-	-	-	-	-	-	123	127	250	-	-	7	38	11.3	2	24.7	-	0	0	0			
GRATIOT	34,830	787	22.6	368	10.6	916	26.3	12	-	900	16	14	2	-	465	451	913	3	16	9	384	11.0	2	25.1	15	16.4	1	10.9	-	0	
Alma	8,630	769	69.1	170	17.0	106	30.5	4	-	205	1	1	-	-	97	109	197	-	9	1	44	12.6	2	37.7	4	37.7	-	0			
St. Louis	3,480	4	1.1	27	7.8	604	26.6	8	-	102	4	4	-	-	60	46	105	1	8	7	266	11.7	17	28.1	10	16.6	-	0			
BALANCE OF COUNTY	22,720	14	0.6	171	7.5	604	26.6	8	-	593	11	9	2	-	308	296	603	1	8	7	266	11.7	17	28.1	10	16.6	-	0			
HILLSDALE	33,280	477	14.3	315	9.5	721	21.7	16	-	716	5	5	-	-	370	351	721	-	9	1	377	11.3	19	26.4	16	22.2	-	0			
BALANCE OF COUNTY	25,680	3	0.1	179	7.0	569	22.2	14	-	564	5	5	-	-	73	79	152	-	8	1	307	11.3	14	29.9	14	24.6	-	0			
HOUGHTON	34,670	764	51.7	151	14.9	697	20.1	13	-	692	5	5	-	-	353	344	695	2	10	14	532	15.3	13	18.7	9	12.9	1	14.3	-	0	
Hancock	4,580	479	160.2	192	41.9	107	23.4	4	-	107	-	-	-	-	55	49	107	-	1	1	52	16.4	3	46.3	3	26.0	-	0			
Laurium	3,490	-	0	15	4.3	97	27.8	1	-	97	-	-	-	-	53	44	97	-	1	1	52	14.9	3	30.9	3	20.9	-	0			
BALANCE OF COUNTY	23,840	4	0.1	196	6.2	426	17.9	8	-	422	4	4	-	-	35	32	67	-	6	1	207	11.6	2	29.7	5	11.7	3	7.0	-	0	
HURON	33,640	693	26.5	297	8.8	909	27.0	11	-	697	12	11	-	-	488	421	906	3	12	15	341	10.1	19	20.9	17	18.7	1	11.0	-	0	
Bald Axe	30,050	403	132.1	51	16.7	107	35.1	2	-	107	-	-	-	-	52	55	106	1	2	1	27	8.9	0	7	0	0	0	0	0	0	0
BALANCE OF COUNTY	30,590	490	16.0	246	6.0	802	26.2	9	-	790	12	11	1	-	436	366	800	2	10	14	314	10.3	17	23.7	17	21.2	1	12.5	-	0	
INGHAM	193,890	6,375	32.9	1,536	7.9	5,483	28.3	129	-	5,455	28	25	2	-	1,374	1,342	5,251	232	137	86	1,506	7.8	134	24.4	93	17.0	3				

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE; BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE; DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 20 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (Continued)

AREA	Population Estimates July 1, 1954	Live Births												Deaths																	
		Occurrence						Place of Delivery						Residence						Residence											
		Live Births	Deaths	Number	Rate	Number	Rate	Plural Births	Hospital	Non-Hospital	Physician	Male	Female	Color	White	Non-White	Illegitimacy	Fetal Deaths	All Ages	Infant Number	Neonatal Number	Maternal Number	Rate								
IRON	16,380	411	22.4	184	10.0	403	21.9	4	-	387	16	15	1	-	206	197	399	4	4	7	213	11.6	5	5.0	-	0					
Iron River	4,190	144	1.0	77	7.9	77	18.4	-	-	71	6	5	1	-	38	49	11.7	5	1	-	49	11.7	5	13.0	-	0					
Balance of County	14,190	407	26.7	151	10.6	326	23.0	4	-	316	10	10	-	-	166	158	323	3	4	7	164	4	12.3	1	3.1	-	0				
ISABELLA	30,170	827	27.4	211	7.0	804	26.6	22	-	793	11	10	1	-	418	366	791	13	20	10	251	8.3	21	26.1	12	14.9	2	24.9			
Mount Pleasant	11,970	621	12.2	102	10.2	314	26.2	10	-	314	11	10	1	-	171	143	312	2	6	5	69	7.4	12	24.5	6	19.1	6	19.1			
Balance of County	18,200	915	68.7	490	4.9	490	26.9	12	-	479	11	10	1	-	247	243	479	11	14	5	162	8.9	12	24.5	6	19.1	6	19.1			
JACKSON	117,250	3,207	27.4	1,104	9.4	3,035	25.9	56	-	3,019	16	16	-	-	1,526	1,509	2,902	133	82	36	1,112	9.5	79	26.0	60	19.6	2	6.6			
Jackson	55,700	3,111	55.9	734	13.2	1,419	23.5	34	-	1,416	3	3	-	-	732	687	1,291	128	57	21	623	11.2	50	35.2	42	29.6	2	14.1			
Balance of County	61,520	96	1.6	370	6.0	1,616	26.3	22	-	1,603	13	13	-	-	794	822	1,611	5	25	15	489	7.9	29	17.9	18	11.1	-	0			
KALAMAZOO	140,440	3,737	26.6	1,356	9.7	3,712	26.4	70	-	3,700	12	11	-	-	1,973	1,739	3,550	162	104	46	1,157	8.2	91	24.5	66	17.8	2	5.4			
Kalamazoo	63,270	3,552	56.1	1,050	16.6	1,617	25.6	29	-	1,613	4	4	-	-	698	719	1,470	147	70	16	605	9.6	40	24.7	33	20.4	1	6.2			
Balance of County	77,170	185	2.4	306	4.0	2,095	27.1	41	-	2,087	8	7	-	-	1,075	1,020	2,080	15	34	30	552	7.2	51	24.3	33	15.8	1	4.8			
KALKASKA	4,600	69	15.0	46	10.0	62	17.6	-	-	74	8	7	-	-	50	32	80	2	3	2	61	13.3	2	24.4	1	12.2	-	0			
KENT	321,680	9,790	30.4	3,144	9.8	9,229	26.7	198	3	9,171	58	55	1	2	4,675	4,554	8,792	437	181	133	2,964	9.2	290	21.7	152	16.5	3	3.3			
Grand Rapids	198,120	7,489	37.6	2,041	10.3	5,625	26.4	117	3	5,601	24	22	1	1	2,846	2,779	5,203	422	145	68	2,001	10.1	127	22.6	95	16.9	2	3.6			
E. Grand Rapids	6,820	2,006	32.8	339	49.7	1,200	17.6	5	-	1,200	120	120	-	-	59	61	118	2	1	2	45	6.6	2	16.7	2	16.7	0	0			
Balance of County	116,740	95	0.8	764	6.5	3,484	26.8	76	-	3,450	34	33	-	-	1,770	1,714	3,471	13	35	43	918	7.9	71	20.4	55	15.8	1	2.9			
KIENECKAW	2,440	-	0	20	8.2	37	15.2	-	-	37	-	-	-	-	18	19	37	-	1	1	43	17.6	1	27.0	-	0	-	0			
LAKE	4,620	20	4.3	48	10.4	110	23.8	-	-	110	-	-	-	-	65	45	94	16	4	3	82	17.7	3	27.3	2	18.2	-	0			
LAPER	41,640	762	18.3	372	8.9	905	21.7	22	-	876	29	29	-	-	445	460	902	3	12	17	339	8.1	27	29.6	20	22.1	1	11.0			
Lapeer	7,170	487	67.9	189	26.4	1,722	24.0	7	-	1,711	1	1	-	-	91	81	1,711	2	10	14	271	7.9	19	25.9	13	17.7	1	13.6			
Balance of County	34,470	275	8.0	183	5.3	733	21.3	15	-	705	28	26	-	-	354	379	731	2	10	10	4	86	9.7	12	52.6	7	30.7	1	43.9		
LEELANAU	8,900	41	4.6	37	4.2	228	25.6	4	-	225	3	1	1	1	115	113	218	10	10	4	26	8.6	48	25.5	32	17.0	2	10.6			
LENAWEE	73,180	2,096	28.6	603	8.2	1,882	25.7	29	6	1,857	25	24	9	-	277	261	533	5	14	6	198	9.4	16	33.5	15	27.9	1	18.6			
Adrian	21,110	1,060	50.2	226	10.7	1,538	25.5	6	6	1,529	9	9	-	-	59	58	1,529	5	1	1	34	11.1	1	30.3	1	16.9	1	16.9			
Hudson	3,070	349	113.7	46	15.6	1,579	19.2	2	-	1,579	15	15	-	-	64	64	148	2	4	2	54	11.9	1	32.9	15	13.2	1	8.8			
Tecumseh	4,540	495	10.9	263	5.7	1,137	25.6	17	-	1,121	16	16	-	-	598	598	1,135	2	10	29	380	8.5	26	22.9	15	13.2	1	8.8			
LIVINGSTON	29,440	512	17.4	283	9.6	778	26.4	25	-	773	5	5	-	-	386	393	777	1	14	14	297	10.1	17	21.9	11	14.1	-	0			
Howell	4,840	412	85.1	86	17.6	131	27.1	2	-	130	1	1	-	-	332	53	131	1	10	4	2	62	12.8	1	26.3	11	17.0	0	0		
Balance of County	24,600	100	4.1	197	8.0	647	26.3	23	-	643	4	4	-	-	140	118	256	2	8	5	116	12.7	7	27.1	5	19.4	0	0			
LUCE	6,930	174	25.1	207	29.9	129	18.6	-	-	128	1	1	-	-	70	59	126	3	7	-	55	7.9	10	77.5	6	46.5	-	0			
Newberry	2,420	173	45.1	45	18.6	76	32.2	-	-	78	1	1	-	-	40	38	77	1	4	4	26	11.6	6	76.9	4	51.3	-	0			
Balance of County	4,510	1	0.2	162	35.9	51	11.3	-	-	50	1	1	-	-	30	21	49	2	3	3	27	6.0	2	78.4	2	39.2	-	0			
MACKINAC	9,120	71	7.8	75	8.2	258	28.3	4	-	225	33	32	1	-	140	118	256	2	8	5	116	12.7	7	27.1	5	19.4	0	0			
St. Ignace	3,000	45	15.0	82	8.3	112	37.3	4	-	105	7	7	-	-	60	62	111	1	5	2	3	3	2	44	14.7	3	26.8	1	8.9	0	0
Centerline	6,120	20	4.2	50	8.2	146	23.9	4	-	120	26	25	1	-	80	66	145	1	5	2	72	11.8	4	27.4	5	27.4	0	0			
Romeo	10,430	1,587	15.1	538	5.1	2,331	22.1	40	-	2,290	41	41	-	-	1,743	1,743	2,298	33	32	45	718	6.8	73	31.3	52	22.3	1	4.3			
MANISTEE	16,270	372	20.4	219	12.0	426	23.3	8	-	418	8	7	-	-	228	198	416	10	7	7	254	13.9	6	14.1	3	7.0	2	46.9			
Manistee	9,720	333	38.9	122	14.3	164	21.2	2	-	179	2	2	-	-	95	86	179	2	5	3	140	14.4	8	22.1	1	11.0	1	40.6			
Bal. of County	9,130	39	4.0	97	10.0	245	25.2	6	-	239	6	5	1	-	1,231	1,231	6	6	19	20	523	10.7	29	23.4	16	14.6	-	0			
MARQUETTE	21,000	4,504	21.5	206	9.8	439	20.9	16	-	4,471	81	80	-	-	1,237	1,237	6	5	10	223	225	443	5	10.7	12	26.8	8	17.9	-	0	
Ludington	9,790	1,446	45.6	139	14.2	220	22.5	6	-	220	-	-	-	-	107	107	264	-	2	2	104	11.1	109	22.6	15	15.1	2	15.1			
Marquette	11,210	5	0.4	67	6.0	219	19.5	8	-	219	-	-	-	-	55	64	119	5	3	2	104	11.1	109	22.6	15	15.1	2	15.1			
Superior	9,240	360	39.0	105	9.1	1,144	26.6	2	-	1,144	19	19	-	-	1,219	1,219	202	1	5	3	153	10.0	11	27.1	7	17.2	0	0			
Negaunee	6,640	5	0.3	98	6.4	406	25.6	20	-	401	5	5	1	-	1,231	1,231	6	5	1	1	116	10.5	219	22.6	15	15.1	2	15.1			
Balance of County	15,270	5	0.3	102	12.1	147	46.1	4	-	143	4	4	-	-	1,231	1,231	6	5	1	1	116	10.5	219	22.6	15	15.1	2	15.1			
MASON	21,000	451	21.5	206	9.8	439	20.9	16	-	439	-	-	-																		

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

AREA	Population Estimates July 1, 1954	OCCURRENCE												RESIDENCE													
		Live Births				Deaths				Live Births				Deaths				Live Births				Deaths					
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
MONONGAHELA	24,990	707	28.3	260	10.4	600	24.0	13	-	598	2	2	-	286	31.4	589	11	4	6	260	10.4	22	36.7	13	21.7		
Monongahela County	11,110	620	55.6	190	17.1	284	56.5	10	-	283	1	1	-	138	146	283	1	2	2	124	11.2	10	35.2	8	28.2		
Balance of County	13,880	677	6.3	316	22.6	316	22.6	3	-	315	1	1	-	148	168	306	10	2	4	136	9.8	12	38.0	5	15.8		
MUTUAL	40,340	1,261	31.6	232	5.8	1,271	31.5	28	-	1,256	15	13	-	2	606	665	1,271	-	12	11	264	6.5	23	18.1	16	14.2	
Midland of County	16,720	1,266	75.8	164	9.8	702	42.0	12	-	699	3	2	-	1	339	363	702	-	6	5	117	7.0	17	24.2	15	21.4	
Balance of County	23,620	13	0.6	68	2.9	569	24.1	16	-	557	12	11	-	1	267	302	569	-	6	5	147	6.2	6	10.5	3	5.3	
MISSISSIPPI	7,030	10	1.4	27	3.8	158	22.5	8	-	147	11	10	-	1	81	77	157	1	3	1	73	10.4	5	31.6	2	12.7	
MONTROSE	65,570	1,653	19.3	549	6.4	2,415	28.2	35	-	2,407	8	8	-	1	1,246	1,169	2,383	32	45	31	691	8.1	61	25.3	49	20.3	
Milan (Part)	740	1,646	66.9	264	10.7	687	27.9	10	-	686	1	1	-	1	356	331	688	19	12	8	196	8.0	17	24.7	14	20.4	
Balance of County	50,210	7	0	2	2.7	283	4.7	1,659	28.2	23	-	1,692	7	7	-	11	18	28	1	-	33	13	42	17.6	2	13.4	
MONTGOMERY	33,140	1,388	41.7	401	12.1	861	26.0	15	-	869	12	12	-	1	452	409	860	1	19	12	384	11.6	16	18.6	11	12.6	
Greenville	7,250	575	79.3	93	12.6	216	29.8	2	-	214	2	2	-	1	108	106	216	1	6	3	71	9.8	2	9.3	7	0	
Balance of County	25,890	808	31.2	308	11.9	645	24.9	13	-	635	10	10	-	1	344	301	644	1	13	9	313	12.1	14	21.7	9	14.0	
MONTMORREY	3,950	2	0.5	30	7.6	88	22.3	2	-	86	2	2	-	1	46	42	88	-	3	2	44	11.1	-	0	-	0	
MUSKOGEE	132,160	3,846	29.1	1,063	8.0	4,121	31.2	96	-	4,083	38	31	-	7	2,189	1,932	3,619	502	116	78	1,117	8.5	113	27.4	83	20.1	
Muskegon Heights	52,390	3,908	72.7	724	13.8	1,414	27.0	27	-	1,410	4	3	-	1	744	670	1,253	161	506	9.7	38	26.9	27	19.1	2	4.9	
Balance of County	20,670	11	0.5	51	2.5	655	31.7	28	-	645	10	9	-	1	331	324	376	279	34	16	8.1	22	33.6	17	26.0		
NEW YORK	59,100	27	0.5	278	4.7	2,052	34.7	41	-	2,028	24	19	-	5	1,114	933	1,990	62	34	37	443	7.5	53	25.6	39	19.0	
NEW YORK CITY	23,940	623	26.0	259	10.8	616	25.7	9	-	602	14	13	-	1	306	310	604	12	15	8	280	11.7	16	26.0	11	17.9	
Bronx	4,180	484	139.7	23.3	99	99	23.3	-	99	14	13	-	1	52	47	99	12	1	1	36	10.3	3	30.3	3	19.3		
Balance of County	20,460	139	6.8	178	8.7	517	25.3	9	-	503	14	13	-	1	284	263	505	12	14	14	244	11.9	13	25.1	8	15.5	
OAKLAND	515,680	7,806	15.1	2,768	5.4	15,769	30.6	286	-	15,612	157	148	2	7	8,128	7,641	14,934	835	237	237	3,359	6.5	301	22.9	268	17.0	
PONTIAC	62,150	5,581	60.1	1,233	15.0	2,411	29.3	52	-	2,404	7	7	-	1	1,222	1,189	1,975	436	115	41	614	7.5	69	20.6	49	20.3	
PERRIN	32,690	3,399	10.4	1,190	3.1	2,044	32.5	21	-	1,059	5	5	-	1	551	513	603	261	9	250	7.6	32	30.1	25	23.5		
ROYAL OAK	431	6,3	238	3.5	2,711	39.8	56	-	2,706	5	5	-	1	1,429	1,282	2,696	261	33	32	411	6.0	40	14.8	32	11.8		
BIRMINGHAM	22,900	2	0.1	47	2.1	627	27.4	7	-	625	2	2	-	1	304	323	625	2	6	11	111	4.8	10	16.9	7	11.2	
HAZEL PARK	26,160	0	0	64	2.4	969	36.2	16	-	969	3	1	-	1	501	468	968	1	3	14	166	7.3	8	11.4	0	0	
CLOWSON	24,750	149	6.0	52	2.1	866	35.0	8	-	861	5	5	-	1	456	410	861	5	11	13	133	5.4	16	18.5	9	10.4	
HOLLY	7,040	3	0.4	12	1.7	340	48.3	10	-	339	1	1	-	1	192	148	340	-	2	3	64	5.5	20	26.5	7	20.6	
HUNTINGTONWOODS	135	39.5	14	4.1	119	34.8	5	-	119	119	119	-	1	1	64	55	117	2	3	3	36	10.5	1	8.4	0	0	
NORTHLILLE (PART)	6,340	0	0	18	2.8	156	24.8	4	-	156	-	-	-	1	84	74	156	-	1	1	38	6.0	2	12.7	1	6.3	
OAK PARK	17,310	2	0.1	20	1.2	1,019	58.8	20	-	1,018	1	1	-	1	3	529	490	1,019	-	3	12	77	4.4	18	17.7	1	9.8
PLEASANT RIDGE	4,290	0	0	11	2.6	42	9.8	2	-	42	18	18	-	1	24	24	42	-	1	25	5.8	0	0	0	0	0	
ROCHESTER	5,640	4	0.7	20	3.5	222	39.4	10	-	220	2	2	-	1	113	109	222	-	8	3	56	10.3	4	18.0	4	18.0	
BALANCE OF COUNTY	21,370	159	0.7	939	4.4	5,213	24.4	75	-	5,084	129	122	2	5	2,662	2,551	5,100	113	99	94	1,344	6.3	149	28.6	107	20.5	
OCEANA	15,650	568	36.3	166	10.6	434	27.7	8	-	429	5	5	-	1	216	218	429	5	14	6	167	10.7	11	25.3	6	13.8	
OCEAN	9,060	323	35.6	96	10.6	211	23.3	2	-	203	8	7	-	1	102	109	211	-	3	2	82	9.1	5	23.7	3	14.2	
ONTONAGON	11,020	162	14.7	122	11.1	245	22.2	6	-	240	5	2	-	1	129	116	245	-	3	7	149	13.5	6	32.7	6	24.5	
OSCEOLA	13,510	316	23.4	134	9.9	301	22.3	6	-	292	9	9	-	1	145	156	301	-	6	1	138	10.2	4	13.3	3	10.0	
OSCONA	3,300	65	19.7	28	6.5	78	23.6	2	-	56	22	21	-	1	44	34	78	-	1	4	32	9.7	2	25.6	-	0	
OTTAWA	6,590	200	30.3	63	9.6	176	26.7	4	-	171	5	4	-	1	88	88	176	-	6	2	56	8.5	4	22.7	-	0	
HOLAND	83,060	2,205	26.5	634	7.6	2,351	28.3	51	-	2,326	23	23	-	1	1,157	1,194	2,340	11	37	677	8.2	49	20.8	33	14.0		
GRAND HAVEN	17,540	1,766	60.3	210	12.0	419	23.9	12	-	2,416	3	1	-	1	186	233	418	11	6	127	263	7	10.6	1,02	9.1		
ZEEBLAND	3,490	410	117.5	45	14.3	92	26.4	2	-	252	1	-	-	1	40	52	92	-	15	30	386	7.5	1,37	10.6	3	21.7	
BALANCE OF COUNTY	51,440	21	0.4	228	4.4	1,567	30.9	33	-	1,568	19	-	-	1	604	783	1,577	10	15	30	386	7.5	31	19.5	19	12.0	
PRESQUE ISLE	12,200	294	24.1	74	6.1	320	26.2	4	-	318	2	-	-	1	165	155	320	-	3	7	92	7.5	5	15.6	0	0	
RIVERSIDE CITY	3,990	247	61.9	41	10.3	109	27.3	4	-	108	1	-	-	1	57	52	109	-	1	2	42	22	4	19.0	-	0	
BALANCE OF COUNTY	6,210	47	5.7	33	4.0	211	25.7	4	-	210	1	-	-	1	108	103	211	-	1	1	56	71	127	-	0	0	
ROSCOMMON	6,200	22	3.5	49	7.9	127	20.5	2	-	127	-	-	-	1	56	71	127	-	1	1	59	9.5	1	7.9	-	0	
SAGINAW	169,060	5,258	31.1	1,539	9.1	5,065	30.0	120	9	5,034	31	28	1	2	2,564	2,501	4,446	619	170	75	1,454	6.6	129	25.5	66	17.0	

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 26 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE; POPULATION (Continued)

AREA	Population Estimates July 1, 1954	RESIDENCE																			
		OCCURRENCE			Live Births				Deaths												
		Live Births Number	Deaths Number	Rate	Number Born in Plural Births	Plural Births	Hospital Physician	Hospital Non-Hospital	Non-Hospital	Midwife	Other	Sex	Color	Illegitimacy	Fetal Deaths	All Ages Number	Infant Number	Neonatal Number	Maternal Number		
ST. CLAIR	96,000	2,355	24.5	891	9.3	2,558	26.6	55	3	2,518	40	39	1,317	1,241	2,491	67	56	25.8	47	18.4	
Port Huron	37,240	491	40.3	911	4.1	946	25.4	29	-	110	10	10	54	66	119	45	35	26.4	20	21.1	
Algonac	2,710	41	4.1	24	8.9	120	44.3	2	-	110	10	1	41	41	2	1	0	0	-	0	
Marine City	4,610	0	6.5	188	40.8	188	186	-	-	186	-	-	92	96	188	1	2	10.6	-	5.3	
Marysville	2,620	0	13	5.0	61	30.9	-	-	-	61	-	-	46	35	81	2	60	13.0	1	12.3	
St. Clair	4,320	567	131.2	42	9.7	163	37.7	4	-	162	1	1	85	78	163	5	60	18.6	1	12.3	
Balance of County	44,500	276	6.2	291	6.5	1,060	23.6	19	3	1,041	19	18	525	535	1,039	21	17	28	416	9.3	
ST. JOSEPH	38,550	964	24.9	445	11.5	886	22.1	16	-	841	15	15	432	424	844	12	23	18	117	11.7	
Surprise	8,580	498	5.0	145	16.9	176	20.5	2	-	174	2	2	86	90	175	1	4	97	11.3	5	
Three Rivers	7,380	446	60.4	165	22.4	146	19.8	2	-	146	-	-	80	66	142	4	2	101	13.7	7	
Balance of County	22,690	20	0.9	135	5.9	534	23.5	14	-	521	13	13	266	268	527	7	17	8	256	11.3	
SANILAC	31,260	714	22.8	318	10.2	734	23.5	13	-	705	29	28	1	375	359	733	1	8	20	377	12.1
SCHOOLCRAFT	8,820	270	30.6	129	14.6	223	25.3	4	-	219	4	1	121	102	219	4	9	7	120	13.6	
Manistique	4,870	269	55.2	100	20.5	112	23.0	4	-	210	2	2	62	50	109	3	6	3	66	13.3	
Balance of County	3,950	1	0.3	29	7.3	111	26.1	-	-	109	2	1	59	52	110	1	3	4	55	13.9	
SHIAGOSEE	49,610	1,372	27.7	456	9.2	1,357	27.4	28	-	1,345	12	12	686	671	1,354	3	24	23	477	9.6	
Owosso	17,380	1,184	68.1	245	14.1	529	30.4	17	-	523	6	6	253	276	528	1	14	9	177	10.2	
Durand	3,410	134	39.3	42	12.3	110	32.3	-	-	110	-	-	59	51	110	2	3	37	37	11.1	
Balance of County	28,320	54	1.9	169	5.9	718	24.9	11	-	712	6	6	374	344	716	2	8	11	263	9.1	
TUSCOLA	41,900	622	14.8	412	9.8	1,029	24.6	35	-	1,003	26	25	504	525	1,021	8	21	18	427	10.2	
Caro	3,770	295	70.2	67	17.8	106	26.1	4	-	106	-	-	51	55	106	1	1	51	13.5	-	
Vassar	2,810	2	0.7	19	6.8	85	30.2	4	-	83	2	2	48	37	80	5	-	-	34	12.1	
Balance of County	35,320	325	9.2	326	9.2	638	23.7	27	-	814	24	23	406	433	835	3	16	17	342	9.7	
VAN BUREN	46,660	751	16.1	992	9.3	996	21.4	23	-	986	10	9	1	510	488	938	1	16	19	490	10.5
South Haven	6,730	415	61.7	139	20.7	144	20.7	6	-	144	-	-	78	66	132	12	4	84	12.5	6	
Balance of County	39,930	336	8.4	293	7.3	854	21.4	17	-	844	10	9	1	432	422	806	12	15	406	10.2	11
WASHTENAW	142,840	5,645	39.5	1,869	13.1	3,957	27.7	98	-	3,937	20	19	1,444	1,956	3,563	394	102	64	954	6.7	
An Arbor	20,140	2,511	124.7	226	11.3	939	46.6	36	-	926	3	3	466	553	1,067	81	29	38	188	15.3	
Ypsilanti	2,640	1	0.4	39	14.8	70	32.4	2	-	70	-	-	35	35	70	-	1	2	50	18.9	
Galesburg	2,160	0	15	6.9	70	32.4	2	-	69	1	1	36	34	68	2	1	22	10.2	2		
Balance of County	158	2,3	557	6.2	1,730	25.6	30	-	1,718	12	12	370	860	1,578	152	41	30	364	5.4	44	
WAYNE	2,633,600	79,751	30.3	21,891	6.3	69,599	26.4	1,644	20	46,941	658	624	11	23	35,541	34,656	54,454	2,976	1,317	21,797	
Detroit	1,872,230	3,988	34.0	432	9.3	492	21.7	14	-	492	554	532	7	15	24,190	23,268	13,592	2,599	982	16,56	
Dearborn	11,172,000	3,988	34.0	573	9.3	3,696	31.5	92	-	3,675	11	11	1,921	1,765	3,677	9	41	750	6.4	1,231	
Hamtramck	40,030	1,044	26.1	845	8.3	932	23.3	18	-	923	9	8	493	434	771	1	15	423	29	31.7	
Highland Park	46,350	5,586	142.1	845	18.8	874	18.9	14	-	871	3	4	403	471	693	1	23	455	9.8	24	
Lincoln Park	45,820	3	0.1	55	1.2	1,556	34.0	38	-	1,551	3	2	772	784	1,554	2	1	258	5.6	32	
Wyandotte	46,050	2,789	60.5	431	9.4	2,056	44.6	43	-	2,051	3	2	1,057	2,052	999	2	1	19	315	27.6	
Allen Park	28,440	2	0.1	475	16.7	967	32.6	20	-	965	2	2	491	476	963	4	1	14	113	4.0	
Grosse Pointe Park	17,650	4	0.2	44	2.5	575	32.6	10	-	569	6	5	329	246	373	202	34	12	132	7.5	
Grosse Pointe Woods	14,610	0	0	46	2.8	153	9.0	10	-	153	-	-	77	76	152	1	1	117	6.9	4	
Linwood	19,230	94	4.9	29	1.5	1,401	72.9	39	-	1,395	6	6	130	117	247	-	10	75	143	7.4	
Bronson	28,180	2	0.1	125	4.4	1,955	33.9	10	-	1,952	3	3	488	467	953	2	8	174	6.2	23	
Wyandotte	10,530	4,400	352	80.0	1.2	4,402	23.2	20	-	4,399	3	2	1,057	1,057	177	1	1	169	8.3	32	
Plymouth	8,840	1,502	169.9	83	9.4	330	37.3	4	-	329	1	1	191	197	388	-	6	81	7.7	10	
Trenton	16,970	168	9.9	45	2.7	1,209	71.2	33	-	1,204	5	4	169	161	329	1	1	169	6.3	3	
Wayne	230,560	295	1.3	2,076	9.0	4,443	19.3	89	-	4,405	38	33	2	3,207	2,136	4,370	73	38	96	1,112	4.8
MEXFORD	17,900	645	36.0	230	12.8	448	25.0	5	-	1,325	13	12	1	215	233	448	-	5	208	11.6	
Cadillac	10,100	636	63.0	176	14.4	288	20.5	2	-	283	5	5	140	146	286	-	1	160	10.9	3	
Balance of County	7,800	9	1.2	54	6.9	160	20.5	3	-	152	8	7	1	75	75	65	-	2	98	12.6	3

Note: The two cities Milan and Northville listed in this table are each located in two counties. The total population estimates are Milan 2,900 and Northville 4,710.

TABLE 14 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM
MICHIGAN, 1954

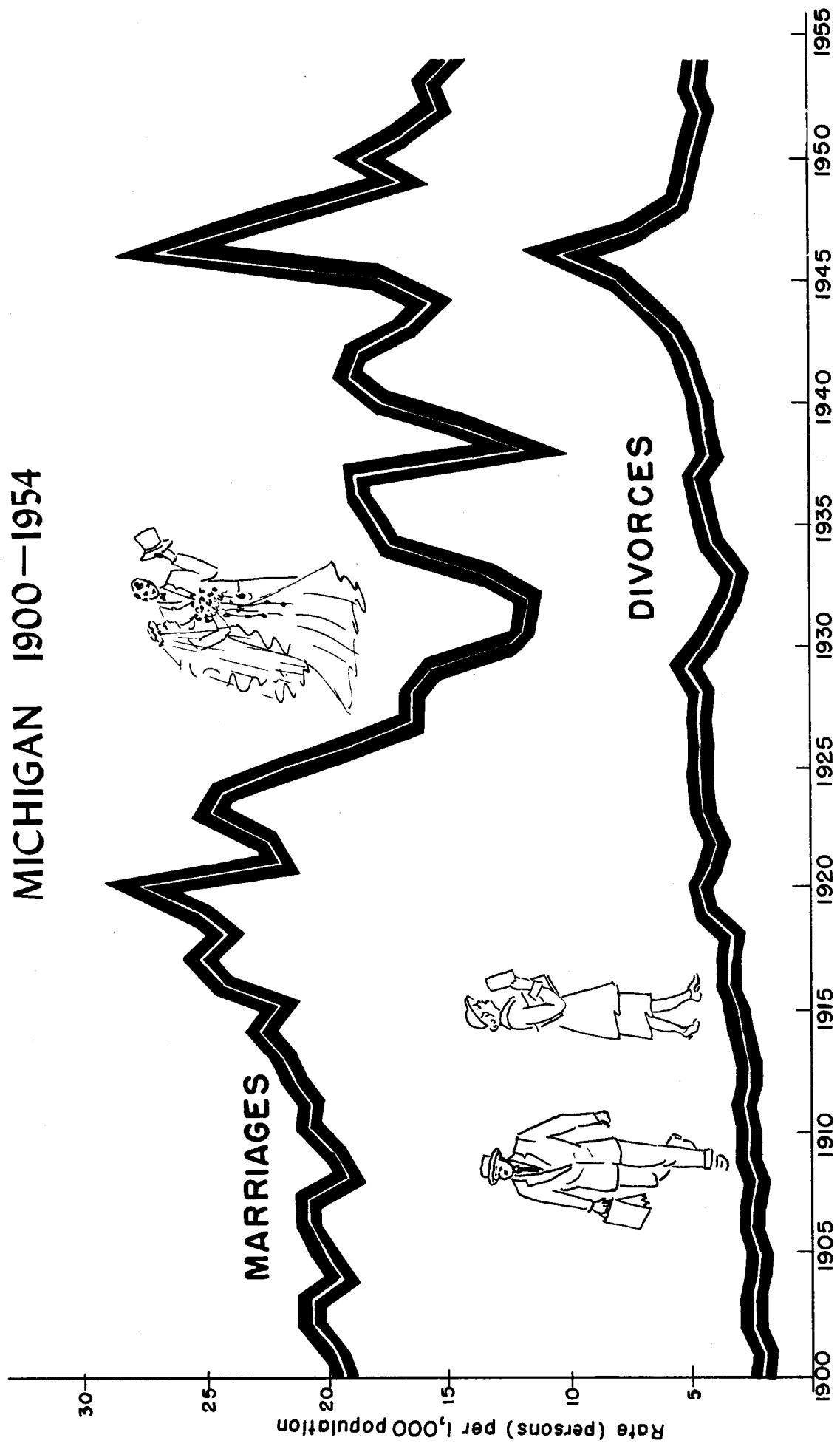
AGE (YEARS)	B R I D E						G R O O M					
	Total	Order of Marriage					Total	Order of Marriage				
		First	Second	Third	Fourth or More	Not Stated		First	Second	Third	Fourth or More	Not Stated
ALL AGES	51,243	39,645	9,316	1,957	285	40	51,243	40,191	9,052	1,702	259	39
15 - 19	18,414	18,064	324	7	-	19	6,765	6,735	23	-	1	6
20 - 24	17,511	15,848	1,560	89	-	14	21,108	20,316	760	10	-	22
25 - 29	5,430	3,491	1,702	219	15	3	10,314	8,542	1,646	115	4	7
30 - 34	2,873	1,173	1,375	282	42	1	4,134	2,517	1,412	188	17	-
35 - 39	1,967	525	1,113	291	37	1	2,318	994	1,074	218	30	2
40 - 44	1,499	249	932	264	53	1	1,779	487	1,012	247	33	-
45 - 49	1,169	147	736	248	38	-	1,270	240	777	213	39	1
50 - 54	865	67	586	182	29	1	1,015	170	627	184	33	1
55 - 59	607	42	390	146	29	-	880	90	595	156	39	-
60 - 64	470	19	322	114	15	-	700	57	463	155	25	-
65 - 69	283	14	180	67	22	-	556	31	390	116	19	-
70 - 74	110	3	70	32	5	-	254	8	169	68	9	-
75 & Over	41	-	26	15	-	-	149	3	104	32	10	-
Not Stated	4	3	-	1	-	-	1	1	-	-	-	-

TABLE 15 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM
MICHIGAN, 1954

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	51,243	100
Both bride and groom resident of State	47,375	92.5
Bride resident, groom nonresident of State	2,155	4.2
Groom resident, bride nonresident of State	612	1.2
Both bride and groom nonresident of State	1,101	2.1
Residence status of either or both not stated	-	0

MARRIAGES AND DIVORCES

MICHIGAN 1900—1954



The two peak years for marriages were 1920 and 1946, with rates of 27.7 and 27.6, respectively, both of which reflect postwar demobilization. The marked decreases during the 1930's were undoubtedly due to the depression years. The peak year for divorces was 1946 with a rate of 10.2. This likewise reflects postwar demobilization. Since 1946, the trend of both marriage and divorce rates has been downward with the 1954 rates approximately the same as those for the prewar year of 1939.

Note: All rates refer to persons married or divorced.

TABLE 16 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE
MICHIGAN, 1954

AREA	Divorces & Annulments	Annulments	DIVORCES												
			Total	Cases Contested	Granted to Husband Wife		Children						5 or More	Not Stated	
					0	1	2	3	4	1,076	413	219			
STATE	16,281	189	16,092	2,159	4,031	12,061	8,079	3,736	2,567	1,076	413	219	2		
Alcona	3	-	3	-	2	1	1	1	-	-	-	-	-		
Alger															
Allegan	94	1	93	47	25	68	40	13	24	13	2	1	-		
Alpena	38	1	37	5	9	28	11	12	5	4	4	1	-		
Antrim	13	-	13	1	5	8	7	2	3	-	-	1	-		
Arenac	4	-	4	-	1	3	2	-	1	1	-	-	-		
Baraga	6	-	6	-	2	4	4	1	1	-	-	-	-		
Barry	51	-	51	13	16	35	22	12	13	3	1	-	-		
Bay	180	2	178	40	47	131	73	45	42	13	3	2	-		
Benzie	17	-	17	7	5	12	5	7	3	-	1	1	-		
Berrien	321	-	321	119	91	230	160	80	43	25	11	2	-		
Branch	86	-	86	1	21	65	39	18	18	9	2	-	-		
Calhoun	514	-	514	162	131	383	275	110	74	38	12	5	-		
Cass	82	-	82	8	25	57	50	15	11	3	2	1	-		
Charlevoix	14	-	14	5	3	11	4	6	3	-	1	-	-		
Cheboygan	19	-	19	-	7	12	13	1	2	2	1	-	-		
Chippewa	48	-	48	1	11	37	16	17	7	6	1	1	-		
Clare	2	-	2	1	-	2	1	-	1	-	-	-	-		
Clinton	65	-	65	26	21	44	24	19	11	6	3	2	-		
Crawford	5	-	5	-	3	2	1	-	1	2	1	-	-		
Delta	43	-	43	-	13	30	19	8	5	8	2	1	-		
Dickinson	26	-	26	1	6	20	9	9	7	1	-	-	-		
Eaton	90	-	90	18	20	70	34	25	19	8	4	-	-		
Emmet	18	-	18	-	4	14	11	4	-	2	1	-	-		
Genesee	1,127	6	1,121	282	323	798	571	229	184	92	30	14	1		
Gladwin	8	-	8	-	2	6	5	1	1	-	-	-	-		
Gogebic	24	-	24	13	10	14	9	8	4	3	-	-	-		
Grand Traverse	69	1	68	2	13	55	37	14	8	6	2	1	-		
Gratiot	54	-	54	-	17	37	25	11	8	7	1	2	-		
Hillsdale	74	-	74	4	19	55	35	16	13	4	4	2	-		
Houghton	38	2	36	9	10	26	16	9	8	2	1	-	-		
Huron	29	-	29	8	8	21	15	9	2	1	1	1	-		
Ingham	591	5	586	79	129	457	266	148	104	37	21	10	-		
Ionia	59	-	59	11	18	41	23	19	9	4	2	2	-		
Iosco	26	-	26	4	9	17	13	6	3	-	4	-	-		
Iron	18	1	17	1	3	14	7	3	4	1	1	1	-		
Isabella	36	1	35	1	10	25	19	8	6	1	1	-	-		
Jackson	372	6	366	11	92	274	206	73	53	19	11	4	-		
Kalamazoo	381	3	378	11	90	288	185	82	64	37	6	4	-		
Kalkaska	7	-	7	2	1	6	1	1	4	-	1	-	-		
Kent	799	22	777	189	174	603	388	175	124	56	21	13	-		
Keweenaw	4	-	4	-	1	3	-	3	-	-	-	1	-		
Lake	13	-	13	5	6	7	8	5	-	-	-	-	-		
Lapeer	60	-	60	16	22	38	24	16	12	4	4	-	-		
Leelanau	9	-	9	-	4	5	5	1	2	-	1	-	-		
Lenawee	185	-	185	3	51	134	112	26	25	11	7	4	-		
Livingston	65	2	63	-	21	42	33	15	11	2	2	-	-		
Luce	8	-	8	-	3	5	3	1	1	2	-	1	-		
Mackinac	19	-	19	7	7	12	7	4	4	2	2	-	-		
Macomb	561	11	550	47	136	414	247	125	115	39	15	9	-		
Manistee	16	-	16	3	1	15	5	3	4	1	1	2	-		
Marquette	46	-	46	1	13	33	18	10	5	9	2	2	-		
Mason	39	-	39	11	6	33	15	12	8	2	2	1	-		
Mecosta	38	-	38	7	13	25	19	11	5	1	1	1	-		
Menominee	20	-	20	2	11	9	9	5	3	1	1	2	-		

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

AREA	Divorces & Annulments	Annulments	DIVORCES									
			Total	Cases Contested	Granted to Husband		Wife		Children			
					0	1	2	3	4	5 or More	Not Stated	
Midland	47	-	47	2	9	38	17	8	13	4	2	3
Missaukee	5	-	5	2	5	-	3	1	-	1	-	-
Monroe	108	2	106	12	26	80	34	31	22	13	3	3
Montcalm	51	-	51	15	19	32	28	8	10	1	3	1
Montmorency	5	-	5	-	1	4	3	-	1	1	-	-
Muskegon	199	-	199	17	50	149	103	32	38	14	9	3
Newaygo	40	-	40	-	15	25	20	7	6	5	-	2
Oakland	1,393	20	1,373	188	282	1,091	663	322	232	101	36	19
Oceana	32	-	32	7	7	25	11	10	4	3	1	3
Ogemaw	16	-	16	3	6	10	4	8	3	-	-	1
Ontonagon	10	-	10	1	1	9	4	2	2	2	-	-
Osceola	10	-	10	1	3	7	6	2	-	-	2	-
Oscoda	6	-	6	2	-	6	4	2	-	-	-	-
Otsego	10	-	10	4	-	10	4	2	-	2	2	-
Ottawa	93	1	92	-	27	65	48	12	19	9	2	2
Presque Isle	13	-	13	7	1	12	8	2	1	1	1	-
Roscommon	17	-	17	4	6	11	9	2	2	2	1	1
Saginaw	313	2	311	162	76	235	151	71	51	24	8	6
St. Clair	246	4	242	64	73	169	117	47	45	21	9	3
St. Joseph	90	-	90	38	27	63	43	23	18	4	1	1
Sanilac	19	-	19	8	6	13	9	5	3	2	-	-
Schoolcraft	6	-	6	-	3	3	3	-	1	1	-	1
Shiawassee	144	1	143	11	46	97	60	37	25	10	7	4
Tuscola	58	2	56	9	17	39	21	14	7	10	1	3
Van Buren	51	-	51	5	11	40	29	12	4	3	2	1
Washtenaw	362	7	355	163	84	271	188	87	44	23	9	4
Wayne	6,379	86	6,293	246	1,532	4,761	3,329	1,530	923	330	117	63
Wexford	24	-	24	4	7	17	13	5	4	1	-	1

Note: Blank spaces indicate no records were received.