

VELMA PLOCH

HEALTH *Statistics*

MICHIGAN
1953

MICHIGAN DEPARTMENT OF HEALTH

MICHIGAN
HEALTH STATISTICS

ANNUAL STATISTICAL REPORT

1953



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

HIGHWAY M-174

TEL. IVanhoe 4-1491

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 1953. This is in compliance with Compilers Section 24.9, C. L. 1948.

Very respectfully yours,

A handwritten signature in black ink, appearing to read "Albert E. Heustis".

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 1953 and previous years. The first four tables in this report include information pertaining to the years 1930-1953; the remaining tables contain only 1953 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) State Economic Areas:

State economic areas have been established for all the United States to provide an effective means of presenting data concerning geographic areas which have socio-economic homogeneity and are intermediate in size between counties and state. These areas are classified as metropolitan or non-metropolitan. The non-metropolitan areas are further subdivided for agricultural tabulations. To delineate these areas, demographic, climactic, physiographic and cultural factors as well as industrial and commercial activities were taken into account.

Establishment of these areas was the result of a special study sponsored by the Bureau of Census in cooperation with the Bureau of Agricultural Economics and several state and private agencies. Further information may be found in the United States Government Printing Office pamphlet "State Economic Areas" by Donald J. Bogue.

Michigan has 7 metropolitan and 9 non-metropolitan areas. These are the areas referred to on page 79 in this report. Since no agricultural tabulations have been prepared for this report no reference is made to the subdivision of the 9 non-metropolitan areas.

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.

RECORD HEALTH EVENTS

MICHIGAN
1953

BIRTHS 182,968

LARGEST ANNUAL REGISTRATION

INFANT DEATH RATE 25.8

(per 1,000 live births)

ALL TIME LOW

MATERNAL DEATH RATE 4.3

(per 10,000 live births)

ALL TIME LOW

TUBERCULOSIS DEATHS 607

50% DECREASE SINCE 1950

TABLE 1 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
MICHIGAN, 1930 - 1953

YEAR	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Tuberculosis (all forms)	Meningitis	Poliomyelitis	Syphilis	Gonorrhoea	Chancroid
	3,206 1,831	11,174 13,023	2,375 915	504 424	7,937 11,448	28,129 6,212	5,128 6,132	901 293	208 1,137	16,538 14,662	8,554 7,843	163 170
1930												
1931												
1932												
1933												
1934												
1935												
1936												
1937												
1938												
1939												
1940	264	10,366	76	120	11,757	20,206	6,063	49	1,228	9,999	7,650	218
1941	242	8,756	114	147	16,512	70,748	5,371	49	270	11,370	8,767	359
1942	243	7,503	17	74	11,602	8,569	5,720	66	162	12,461	8,753	276
1943	281	5,044	18	115	12,091	51,764	6,546	757	255	15,933	9,526	260
1944	419	8,963	10	78	4,049	26,711	6,419	857	884	17,288	11,987	185
1945	630	9,304	16	59	5,339	6,328	5,471	270	215	16,046	12,565	244
1946	385	5,977	3	85	8,116	42,261	5,548	185	1,091	18,051	12,635	206
1947	238	4,834	1	77	10,472	9,574	6,470	113	646	15,276	10,989	216
1948	126	5,934	-	49	2,668	42,952	6,109	107	775	12,100	9,448	465
1949	119	8,852	-	48	4,157	20,279	5,953	120	2,909	8,740	9,427	336
1950	84	4,665	-	43	9,184	38,245	5,538	133	2,029	8,830	8,678	202
1951	48	8,181	-	33	3,156	15,227	6,144	138	1,463	6,532	8,494	187
1952	45	8,325	-	53	1,992	32,941	6,152	169	3,912	7,377	7,691	58
1953	12	5,885	-	31	2,932	23,334	5,643	32	2,346	5,619	8,790	43

TABLE 2 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES
MICHIGAN, 1930 - 1953

(Rates per 100,000 Population)

YEAR	Diphtheria	Scarlet Fever	Smallpox	Typhoid Fever	Whooping Cough	Measles	Pneumonia (all forms)		Tuberculosis of the Respiratory System		Tuberculosis (all forms)	
							No.	Rate	No.	Rate	No.	Rate
1930	299	6.2	130	2.7	9	0.2	87	1.8	176	3.6	231	4.8
1931	172	3.5	122	2.5	4	0.1	73	1.5	190	3.9	28	0.6
1932	106	2.2	112	2.3	1	0.0	56	1.1	199	4.0	183	3.7
1933	112	2.3	157	3.2	-	0	50	1.0	153	3.1	111	2.2
1934	38	0.8	171	3.4	-	0	65	1.3	141	2.8	36	0.7
1935	58	1.1	98	1.9	-	0	34	0.7	132	2.6	184	3.6
1936	52	1.0	114	2.2	-	0	37	0.7	107	2.1	12	0.2
1937	72	1.4	148	2.9	1	0.0	29	0.6	132	2.6	11	0.2
1938	44	0.9	87	1.7	-	0	23	0.4	116	2.2	100	1.9
1939	25	0.5	69	1.3	-	0	25	0.5	76	1.5	29	0.6
1940	20	0.4	41	0.8	1	0.0	11	0.2	59	1.1	19	0.4
1941	19	0.3	32	0.6	1	0.0	14	0.3	91	1.7	65	1.2
1942	24	0.4	23	0.4	-	0	5	0.1	72	1.3	8	0.1
1943	21	0.4	11	0.2	-	0	9	0.2	101	1.9	89	1.7
1944	32	0.6	7	0.1	1	0.0	7	0.1	33	0.6	49	0.9
1945	46	0.8	9	0.2	-	0	3	0.1	36	0.7	10	0.2
1946	27	0.5	3	0.1	-	0	6	0.1	44	0.8	47	0.8
1947	23	0.4	6	0.1	-	0	5	0.1	63	1.0	5	0.1
1948	8	0.1	1	0.0	-	0	4	0.1	9	0.1	43	0.7
1949	11	0.2	4	0.1	-	0	1	0.0	22	0.3	33	0.5
1950	2	0.0	1	0.0	-	0	5	0.1	28	0.4	28	0.4
1951	6	0.1	-	0	-	0	1	0.0	21	0.3	11	0.2
1952	2	0.0	-	0	-	0	8	0.1	17	0.3	1571	23.4
1953	2	0.0	1	0.0	-	0	11	0.2	16	0.2	1,538	22.4
											536	7.8
											607	8.9

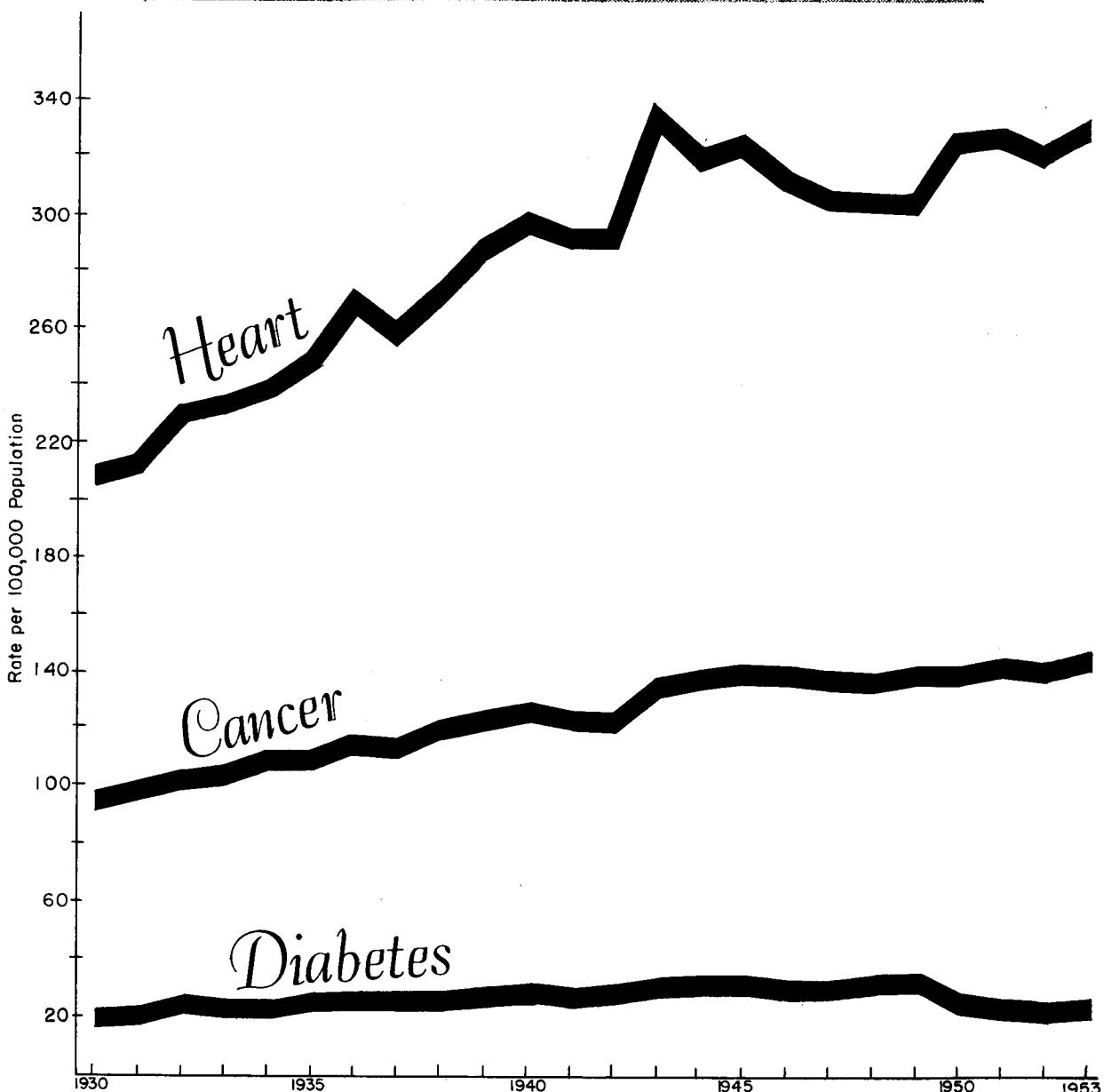
TABLE 3 - DEATHS DUE TO SPECIFIED CAUSES, AND RATES
MICHIGAN, 1930 - 1953

(Rates per 100,000 population)

YEAR	Heart Disease (all forms)		Cancer (all forms)		Cerebral Hemorrhage		Accidents (all forms)		Motor Vehicle Accidents		Diabetes		Premature Birth		Nephritis (all forms)		Diarrhea & Enteritis (under 2 yrs.)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1930	9,947	205.4	4,572	94.4	4,332	89.5	3,805	78.6	1,572	32.5	880	18.2	1,805	37.3	3,098	64.0	704	14.5
1931	10,206	209.0	4,763	97.5	4,182	85.6	3,630	74.3	1,516	31.0	950	19.5	1,473	30.2	2,934	60.1	462	9.5
1932	11,162	226.6	4,935	100.2	4,304	87.4	3,179	64.5	1,229	25.0	1,121	22.8	1,372	27.9	2,953	60.0	326	6.6
1933	11,509	231.7	5,055	101.8	4,113	82.8	3,304	66.5	1,278	25.7	1,103	22.2	1,364	27.5	3,008	60.6	292	5.9
1934	11,824	236.1	5,370	107.2	4,296	85.8	3,774	75.4	1,511	30.2	1,100	22.0	1,419	28.3	3,096	61.8	387	7.7
1935	12,456	246.7	5,399	106.9	4,214	83.5	3,771	74.7	1,676	33.2	1,228	24.3	1,389	27.5	2,974	58.9	216	4.3
1936	13,374	262.7	5,752	113.0	4,529	89.0	5,246	103.1	1,924	37.8	1,266	24.9	1,395	27.4	3,033	59.6	467	9.2
1937	13,233	257.8	5,732	111.7	4,195	81.7	4,580	89.2	2,187	42.6	1,255	24.5	1,415	27.6	2,931	57.1	283	5.5
1938	13,887	268.4	6,059	117.1	4,371	84.5	3,608	69.7	1,490	28.8	1,283	24.8	1,484	28.7	2,770	53.5	315	6.1
1939	14,898	285.7	6,296	120.7	4,271	81.9	3,761	72.1	1,553	29.8	1,360	26.1	1,396	26.8	2,808	53.8	258	4.9
1940	15,480	294.5	6,513	123.9	4,547	86.5	3,961	75.4	1,743	33.2	1,408	26.8	1,298	24.7	2,918	55.5	172	3.3
1941	15,761	289.8	6,551	120.5	4,533	83.4	4,450	81.8	2,156	39.6	1,382	25.4	1,353	24.9	2,853	52.5	267	4.9
1942	16,016	289.2	6,646	120.0	4,691	84.7	3,685	66.5	1,368	24.7	1,448	26.1	1,575	28.4	2,731	49.3	238	4.3
1943	17,816	331.3	7,127	132.5	5,133	95.5	3,480	64.7	1,025	19.1	1,535	28.5	1,488	27.7	2,950	54.9	264	4.9
1944	17,004	316.2	7,277	135.3	4,794	89.1	3,350	62.3	1,103	20.5	1,554	28.9	1,412	26.3	2,739	50.9	316	5.9
1945	17,421	320.5	7,486	137.7	5,148	94.7	3,432	63.1	1,199	22.1	1,561	28.7	1,339	24.6	2,655	48.8	263	4.8
1946	17,691	309.9	7,845	137.4	5,090	89.2	3,776	66.1	1,506	26.4	1,530	26.8	1,735	30.4	2,530	44.3	212	3.7
1947	18,412	303.4	8,188	134.9	5,293	87.2	3,848	63.4	1,499	24.7	1,618	26.7	1,953	32.2	2,567	42.3	199	3.3
1948	18,726	302.3	8,336	134.6	5,170	83.5	4,017	64.8	1,545	24.9	1,771	28.6	1,820	29.4	2,473	39.9	279	4.5
1949	19,137	301.3	8,697	136.9	5,325	83.8	3,838	60.4	1,493	23.5	1,884	29.7	1,795	28.3	2,435	38.3	312	4.9
1950	20,521	322.1	8,685	136.3	5,559	87.2	3,783	59.4	1,680	26.4	1,438	22.6	1,096	17.2	1,004	15.8	138	2.2
1951	21,118	322.6	9,187	140.4	5,746	87.8	3,916	59.8	1,806	27.6	1,374	21.0	1,232	18.8	1,005	15.4	151	2.3
1952	21,247	316.8	9,256	138.0	5,744	85.6	3,901	58.2	1,815	27.1	1,339	20.0	1,256	18.7	873	13.0	186	2.8
1953	22,425	327.3	9,904	144.5	6,380	93.1	4,375	63.8	2,051	29.9	1,419	20.7	1,114	16.3	820	12.0	193	2.8

Note: Cancer includes leukemias, aleukemias, and Hodgkin's disease. Cerebral hemorrhage includes cerebral embolism and thrombosis.

MORTALITY TRENDS CERTAIN CHRONIC DISEASES MICHIGAN 1930-1953



Heart The leading cause of death throughout the past half century has been diseases of the heart; the highest death rate of 331.3 was reached during the war year of 1943, and was followed by a downward trend until 1950. The sudden increase in 1950 reflects the change in classification* of causes of death. The 1953 rate of 327.3 is approximately 59% higher than that of 205.4 for 1930.

Cancer The cancer death rates of the past twenty-three years, with minor fluctuations, have continued the upward trend of the previous thirty years. The 1953 rate of 144.5 is 53% 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 (20.7 in 1953) diabetes is now the sixth leading cause of death.

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

TABLE 4 - BIRTHS, DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS
FETAL DEATHS, MARRIAGES AND DIVORCES, AND RATES; POPULATION
MICHIGAN, 1930 - 1953

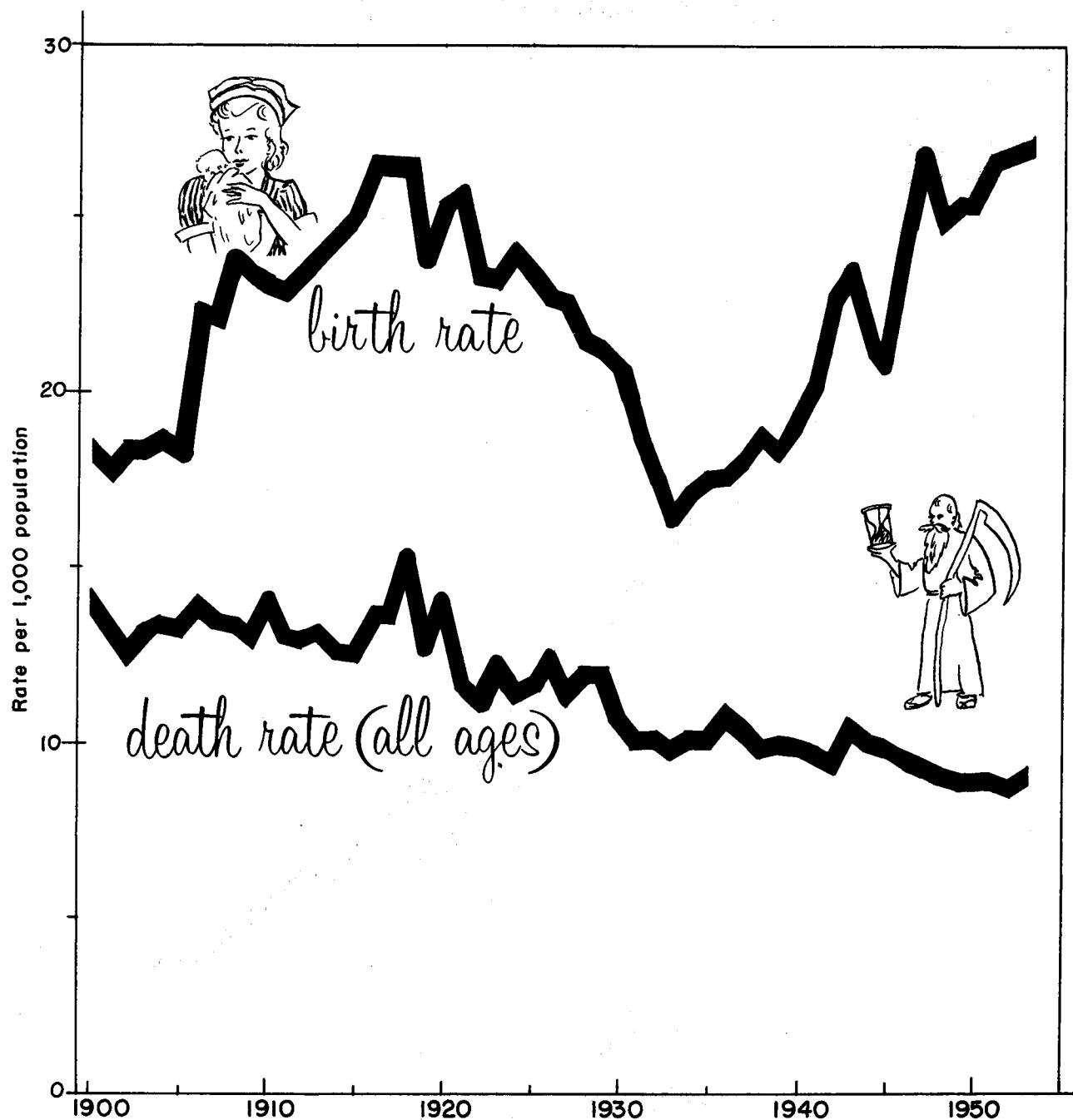
(Deaths exclusive of fetal deaths. Divorces include annulments. Birth rate, death rate for all ages, rate of persons married, and rate of persons divorced per 1,000 population. Fetal death ratio, death rates under one year, and under 28 days per 1,000 live births. Maternal death rates per 10,000 live births.)

YEAR	Population	Live Births	NUMBER			Divorces	Marriages	RATE				Fetal Death Ratio	Rate Persons Divorced				
			Deaths					Deaths									
			All Ages	Under 1 Yr	Under 28 Days*			All Ages	Under 1 Yr	Under 28 Days*	Maternal Deaths						
1930	4,842,325	98,882	51,561	6,213	3,624	597	3,714	29,482	10,639	20.4	10.6	60.4	37.6	12.2	4.4		
1931	4,863,703	90,547	49,068	5,187	3,084	539	3,220	28,856	9,507	18.5	10.1	57.3	59.5	35.6	11.8	3.9	
1932	4,925,061	85,254	49,569	4,630	2,798	493	2,980	28,552	7,889	17.3	10.1	54.3	57.8	35.0	11.6	3.2	
1933	4,966,459	80,482	48,594	2,591	447	2,776	33,132	7,671	16.2	9.8	50.9	55.5	34.5	13.3	3.1		
1934	5,007,837	83,944	50,440	4,377	2,717	450	2,607	43,241	10,124	16.8	10.1	52.1	53.4	31.1	17.3	4.0	
1935	5,049,216	87,403	51,051	4,170	2,550	438	2,717	45,313	10,844	17.3	10.1	47.7	29.2	50.1	31.1	4.3	
1936	5,090,594	88,457	54,777	4,479	2,647	425	2,625	47,023	11,419	17.4	10.8	50.6	29.9	48.0	29.7	4.5	
1937	5,131,972	91,566	53,468	4,374	2,700	326	2,707	47,954	12,472	17.8	10.4	47.8	29.5	35.6	29.6	4.9	
1938	5,173,350	96,962	50,678	4,319	2,734	345	2,732	30,105	10,646	18.7	9.8	44.5	28.2	35.6	28.2	4.1	
1939	5,214,728	94,432	52,017	3,952	2,594	290	2,572	37,725	11,589	18.1	10.0	41.8	27.5	29.6	27.2	4.4	
1940	5,256,106	99,106	52,092	4,022	2,629	292	2,602	46,342	12,054	18.9	9.9	40.6	26.5	29.5	26.3	4.6	
1941	5,437,549	107,498	52,671	4,166	2,687	298	2,769	50,989	13,317	19.8	9.7	38.8	25.0	27.7	25.8	4.9	
1942	5,538,857	124,068	52,738	4,006	3,091	260	3,067	51,582	14,085	22.4	9.5	37.1	24.9	21.0	24.7	5.1	
1943	5,377,329	125,441	56,774	4,804	2,979	237	3,213	44,385	15,259	23.3	10.6	38.3	23.7	18.9	25.6	5.7	
1944	5,377,329	113,586	54,016	4,326	2,784	198	2,874	41,678	18,356	21.1	10.0	38.1	24.5	17.4	25.3	5.5	
1945	5,435,092	111,557	53,641	4,008	2,670	166	2,703	48,329	21,133	20.5	9.9	35.9	23.9	14.9	24.2	7.8	
1946	5,708,415	139,572	54,856	4,541	3,323	163	3,168	78,808	29,158	24.3	9.6	32.8	24.0	11.8	27.6	10.2	
1947	6,069,000	160,275	56,807	5,055	3,677	173	3,422	71,319	21,386	26.4	9.4	31.5	22.9	10.8	21.4	7.1	
1948	6,195,000	153,726	56,520	4,617	3,352	120	3,132	61,986	16,017	24.8	9.1	30.0	21.8	7.8	20.4	5.2	
1949	6,352,000	156,469	57,107	4,520	3,232	105	2,994	53,109	16,274	24.6	9.0	28.9	20.7	6.7	19.1	5.1	
1950	6,371,766	160,055	57,567	4,214	3,043	91	3,095	58,180	15,979	25.1	9.0	26.3	19.0	5.7	19.3	5.0	
1951	6,545,000	172,451	59,181	4,505	3,296	94	3,158	53,411	15,446	26.3	9.0	26.1	19.1	5.4	18.3	4.7	
1952	6,708,000	177,835	59,138	4,689	3,414	82	3,224	50,487	14,925	26.5	8.8	26.4	19.2	4.6	18.1	4.4	
1953	6,852,000	182,968	62,087	4,728	3,389	79	3,180	53,308	16,537	26.7	9.1	25.8	18.5	4.3	17.4	4.8	

* For years prior to 1950, data based on deaths under 1 month.

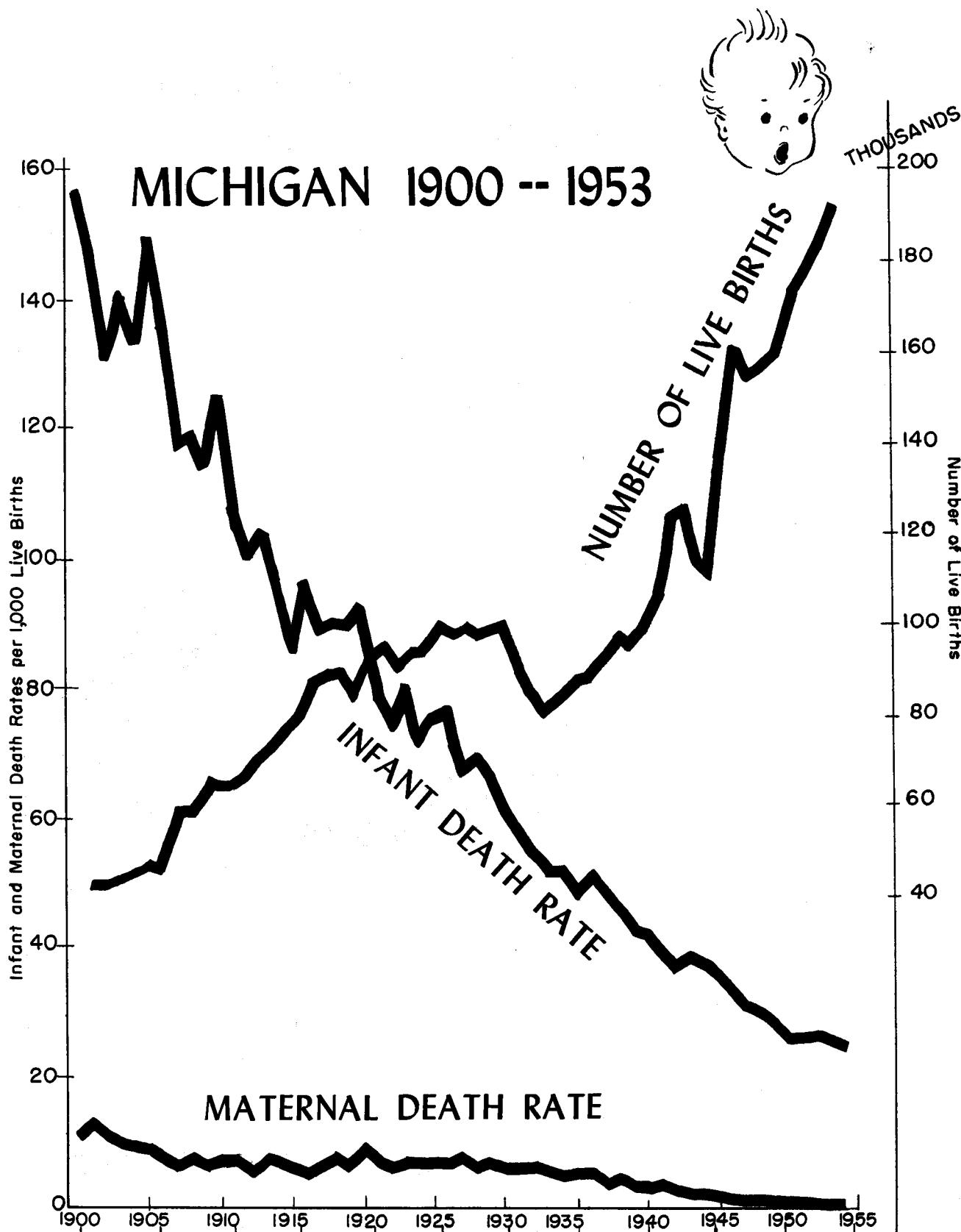
BIRTH AND DEATH RATES

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 end of the war 1945 and 1946, the trend has continued upward again reaching an all-time high of 26.7 in 1953, surpassing the previous record rate of 26.4 in 1947. The 1953 Michigan rate of 26.7 is above the estimated 1953 rate of 25.0 for the United States.

Fourteen out of every 1,000 Michigan people died in 1900. Only 9 deaths occurred per 1,000 people in 1953. Since 1900, there has been approximately a 35 percent reduction in mortality rates.



An all-time high of 182,968 Michigan births were recorded during 1953. Each of the last 5 years has shown a marked increase over the previous year with the 1953 figure approximately 20% greater than that of 5 years ago.

Along with this notable increase in births, both the infant and maternal death rates reached an all-time low during 1953 of 25.8 and 0.43 per 1,000 live births respectively. The 1953 estimated United States infant mortality and maternal mortality rates were 27.8 and 0.61, respectively.

INFANT MORTALITY TRENDS

**Comparison of death rates:
under 1 week and 1 week - 11 months**

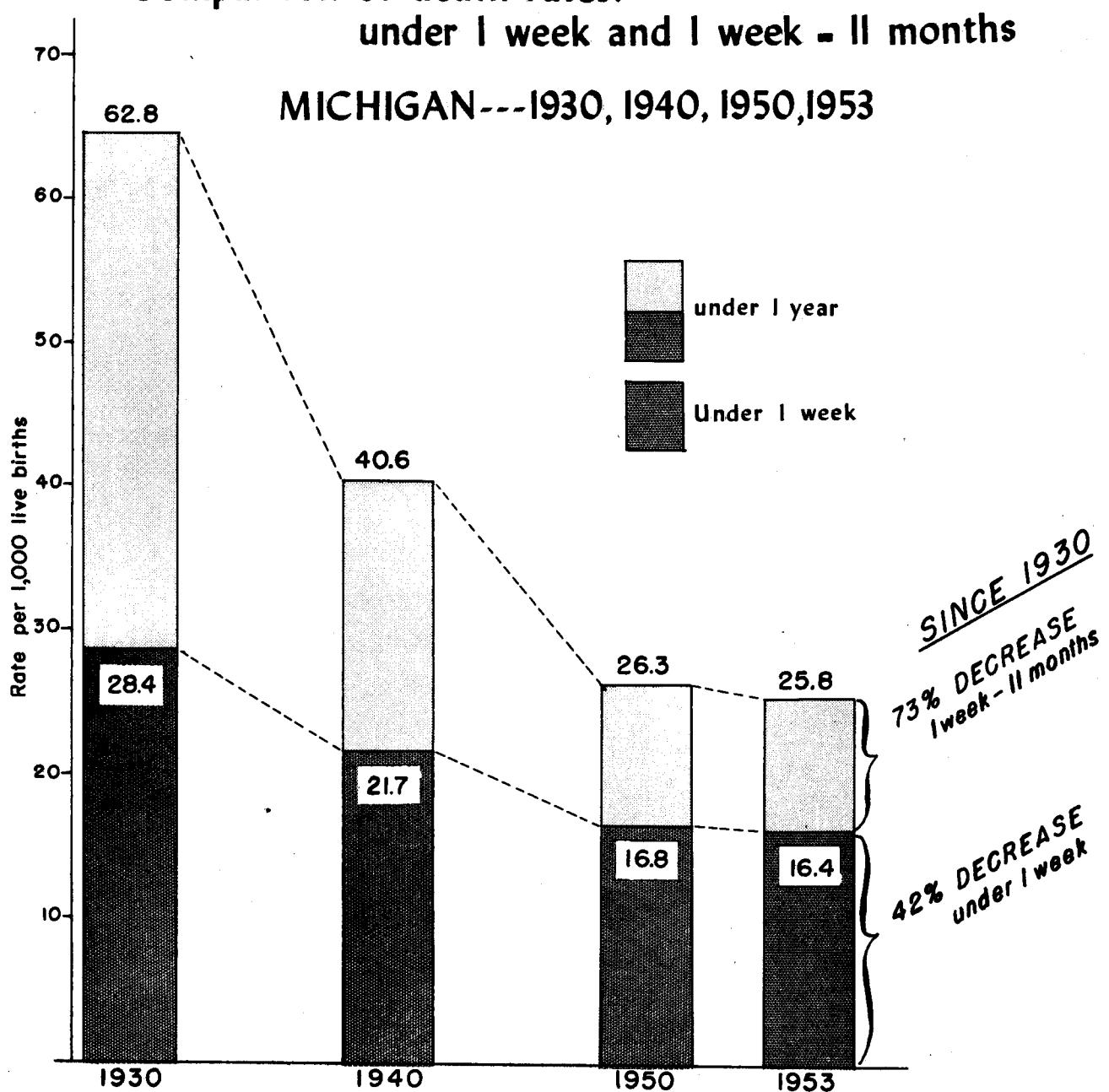


TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE
MICHIGAN, 1953

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Polyomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
TOTAL	106,153	12	5,885	31	2,932	23,334	697	151	2,346	68	5,643	5,619	8,790	50,645
ALCONA	3	-	-	-	-	-	-	-	-	-	1	1	1	-
ALGER	57	-	-	-	-	1	7	-	-	12	-	8	2	27
Munising	29	-	-	-	-	-	1	-	-	10	-	-	-	16
Balance of County	28	-	-	-	-	1	6	-	-	2	-	8	-	11
ALLEGAN	151	-	8	-	10	20	3	-	-	23	2	6	12	59
Allegan	29	-	1	-	2	8	-	-	-	10	-	-	2	6
Otsego	14	-	-	-	-	-	-	-	-	-	-	1	2	11
Plainwell	2	-	-	-	-	-	-	-	-	-	-	1	-	-
Balance of County	106	-	7	-	8	12	3	-	-	13	2	5	9	42
ALPENA	535	-	7	-	-	-	304	-	2	13	1	4	8	3
Alpena	479	-	4	-	-	-	271	-	-	12	-	1	6	193
Balance of County	56	-	3	-	-	-	33	-	2	1	1	3	2	184
ANTRIM	27	-	10	-	-	-	1	-	-	1	-	4	3	1
ARENAC	112	-	-	-	14	35	-	1	5	2	2	8	5	4
BARAGA	36	-	-	-	-	8	-	-	18	-	7	3	-	-
BARRY	406	-	6	-	30	212	3	3	8	1	5	5	1	132
Hastings	37	-	-	-	12	10	-	-	3	-	-	-	-	12
Balance of County	369	-	6	-	18	202	3	3	5	1	5	5	1	120
BAY	2,467	-	76	-	49	1,887	-	-	50	1	39	11	20	334
Bay City	1,780	-	48	-	6	1,416	-	-	38	-	29	8	18	217
Essexville	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Balance of County	686	-	28	-	43	471	-	-	12	1	9	3	2	117
BENZIE	10	-	-	-	2	3	-	-	-	-	-	1	1	3
BERRIEN	543	-	8	3	1	87	3	1	5	-	53	133	185	64
Benton Harbor	234	-	2	-	-	-	-	-	-	-	28	73	130	1
Niles	97	-	2	1	1	15	2	1	2	-	4	13	8	48
St. Joseph	15	-	-	-	-	-	-	-	1	-	2	5	7	-
Buchanan	90	-	1	-	-	61	-	-	1	-	1	5	8	13
Balance of County	107	-	3	2	-	11	1	-	1	-	18	37	32	2
BRANCH	877	-	50	1	10	39	7	-	8	-	9	9	8	736
Coldwater	387	-	6	-	6	4	3	-	2	-	3	5	5	353
Balance of County	490	-	44	1	4	35	4	-	6	-	6	4	3	383
CALHOUN	1,386	-	45	-	27	590	18	3	53	-	69	91	135	355
Battle Creek	925	-	34	-	12	494	10	1	29	-	45	56	123	121
Albion	144	-	8	-	-	18	2	1	5	-	7	18	5	80
Marshall	97	-	-	-	10	3	-	-	1	-	8	5	1	69
Balance of County	220	-	3	-	5	75	6	1	18	-	9	12	6	85
CASS	223	-	21	1	16	8	-	-	15	-	5	15	1	141
Dowagiac	9	-	-	-	-	-	-	-	-	-	2	6	1	-
Balance of County	214	-	21	1	16	8	-	-	15	-	3	9	-	141
CHARLEVOIX	90	-	1	-	-	65	1	-	2	1	6	3	1	10
Boyne City	8	-	-	-	-	4	-	-	-	-	1	1	-	1
Charlevoix	2	-	-	-	-	-	-	-	1	-	1	-	-	-
Balance of County	80	-	1	-	-	61	1	-	1	1	4	2	-	9
CHEBOYGAN	153	-	4	-	-	26	1	-	3	-	2	6	1	110
Cheboygan	68	-	3	-	-	16	1	-	-	-	-	2	1	45
Balance of County	85	-	1	-	-	10	-	-	3	-	2	4	-	65
CHIPPEWA	569	-	49	-	38	112	4	1	7	-	13	12	16	317
Sault Ste. Marie	501	-	40	-	25	97	3	1	6	-	10	9	11	299
Balance of County	68	-	9	-	13	15	1	-	1	-	3	3	5	18
CLARE	17	-	-	-	-	2	-	-	1	2	6	4	2	-
CLINTON	119	-	18	-	-	13	2	-	6	-	14	6	2	58
St. Johns	4	-	-	-	-	-	-	-	-	-	1	-	3	-
Balance of County	115	-	18	-	-	13	2	-	6	-	13	6	2	55
CRAWFORD	142	-	6	-	-	101	2	-	3	-	1	1	-	28

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
DELTA	153	-	1	1	-	14	-	1	14	1	21	1	-	99
Escanaba	72	-	-	-	-	1	-	-	7	-	10	1	-	51
Gladstone	17	-	-	-	-	5	-	-	-	-	4	-	-	8
Balance of County	64	-	1	-	-	8	-	-	7	1	7	-	-	40
DICKINSON	1,211	-	23	-	1	269	1	1	6	-	12	1	2	895
Iron Mountain	435	-	6	-	-	117	-	-	1	-	9	1	1	300
Kingsford	532	-	12	-	-	134	-	-	1	-	1	-	-	382
Norway	74	-	1	-	-	12	-	-	4	-	-	-	-	57
Balance of County	170	-	4	-	1	6	1	-	-	-	2	-	-	156
EATON	399	-	78	-	8	142	10	1	9	1	12	10	9	119
Charlotte	83	-	5	-	2	25	5	-	1	-	3	4	1	37
Eaton Rapids	74	-	4	-	3	33	1	-	2	-	4	2	3	22
Grand Ledge	130	-	55	-	-	58	1	-	-	-	1	-	3	12
Balance of County	112	-	14	-	3	26	3	1	6	1	4	4	2	48
EMMET	57	-	-	-	-	18	-	-	3	-	6	4	1	25
Petoskey	34	-	-	-	-	14	-	-	1	-	1	3	-	15
Balance of County	23	-	-	-	-	4	-	-	2	-	5	1	-	10
GENESEE	3,158	1	313	-	111	1,281	27	6	54	2	150	186	396	632
Flint	1,501	1	158	-	31	332	7	5	29	-	133	175	369	261
Fenton	60	-	1	-	-	45	-	-	-	-	2	1	-	11
Mount Morris	3	-	-	-	-	-	-	-	-	-	-	1	2	-
Balance of County	1,594	-	154	-	80	904	20	1	25	2	15	9	24	360
GLADWIN	17	-	-	-	3	4	-	1	1	-	1	3	-	4
GOGERIC	623	-	2	-	-	321	-	1	4	-	23	8	4	260
Ironwood	418	-	1	-	-	197	-	1	2	-	6	3	-	208
Bessemer	102	-	-	-	-	54	-	1	-	-	2	2	1	41
Wakefield	78	-	-	-	-	69	-	-	-	-	1	-	1	7
Balance of County	25	-	-	-	-	1	-	-	1	-	14	3	2	4
GRAND TRAVERSE	191	-	30	-	2	37	-	-	10	1	16	15	8	72
Traverse City	99	-	15	-	2	24	-	-	7	1	10	5	4	33
Balance of County	92	-	15	-	2	13	-	-	3	-	6	10	4	39
GRATIOT	358	-	2	-	3	160	4	1	9	-	16	12	10	141
Alma	276	-	2	-	3	120	3	1	3	-	6	3	4	131
St. Louis	38	-	-	-	-	26	1	-	2	-	2	-	3	4
Balance of County	44	-	-	-	-	14	-	-	4	-	8	9	3	6
HILLSDALE	285	-	56	-	4	66	4	2	21	-	6	-	-	126
Hillsdale	53	-	6	-	-	12	-	-	4	-	3	-	-	28
Balance of County	232	-	50	-	4	54	4	2	17	-	3	-	-	98
HOUGHTON	108	-	4	-	-	39	-	-	9	-	34	19	3	-
Hancock	10	-	-	-	-	-	-	-	1	-	3	5	1	-
Houghton	7	-	-	-	-	3	-	-	-	-	1	3	-	-
Laurium	2	-	-	-	-	-	-	-	-	-	1	1	-	-
Balance of County	89	-	4	-	-	36	-	-	8	-	29	10	2	-
HURON	24	-	3	-	-	-	-	-	5	-	9	6	1	-
Bad Axe	2	-	-	-	-	-	-	-	1	-	1	-	-	-
Balance of County	22	-	3	-	-	-	-	-	4	-	8	6	1	-
INGHAM	3,971	-	521	-	52	509	8	3	47	2	93	88	190	2,458
Lansing	2,311	-	316	-	18	256	3	2	26	2	70	66	166	1,386
East Lansing	338	-	61	-	5	46	-	-	14	-	6	4	12	190
Mason	93	-	9	-	8	7	-	-	1	-	1	-	1	66
Balance of County	1,229	-	135	-	21	200	5	1	6	-	16	18	11	816
IONIA	113	-	20	-	-	2	-	3	9	-	2	29	9	39
Belding	43	-	11	-	-	1	-	1	3	-	6	6	-	21
Ionia	24	-	1	-	-	-	-	2	2	-	-	7	4	8
Portland	2	-	-	-	-	-	-	-	-	-	-	1	-	1
Balance of County	44	-	8	-	-	1	-	-	4	-	2	15	5	9
IOSCO	11	-	-	-	-	-	-	-	-	1	3	4	3	-
IRON	97	-	1	-	-	43	-	-	3	-	6	11	-	33
Iron River	5	-	-	-	-	-	-	-	-	-	3	2	-	-
Balance of County	92	-	1	-	-	43	-	-	3	-	3	9	-	33
ISABELLA	275	-	4	1	2	84	1	-	8	3	9	12	4	147
Mount Pleasant	79	-	3	1	-	23	-	-	2	-	5	9	2	34
Balance of County	196	-	1	-	2	61	1	-	6	3	4	3	2	113

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
JACKSON	730	-	80	2	4	201	3	-	29	-	38	21	53	299
Jackson	636	-	63	-	4	174	3	-	16	-	28	14	44	290
Balance of County	94	-	17	2	-	27	-	-	13	-	10	7	9	9
KALAMAZOO	1,537	-	160	-	142	288	17	1	40	2	39	30	67	751
Kalamazoo	617	-	49	-	78	62	4	-	15	-	30	19	57	303
Balance of County	920	-	111	-	64	226	13	1	25	2	9	11	10	448
KALKASKA	70	-	7	-	-	3	3	-	3	1	1	2	-	50
KENT	4,394	-	383	-	297	169	3	1	72	13	198	172	394	2,692
Grand Rapids	3,066	-	223	-	213	97	1	1	37	-	158	151	379	1,806
E. Grand Rapids	36	-	3	-	1	1	-	-	2	-	1	-	1	27
Balance of County	1,292	-	157	-	83	71	2	-	33	13	39	21	14	859
KEESEENAW	6	-	-	3	-	-	-	-	-	-	1	2	-	-
LAKE	57	-	4	-	-	43	-	-	-	-	2	4	-	4
LAPEER	258	-	1	-	1	139	-	-	14	-	9	7	4	83
Lapeer	233	-	1	-	1	135	-	-	8	-	2	3	1	82
Balance of County	25	-	-	-	-	4	-	-	6	-	7	4	3	1
LEELANAU	88	1	6	-	10	3	-	-	3	-	4	3	3	55
LENAWEE	359	-	18	-	-	92	-	-	62	-	32	22	7	125
Adrian	209	-	7	-	-	55	-	-	16	-	16	12	5	98
Hudson	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Tecumseh	14	-	-	-	-	-	-	1	5	-	4	2	-	2
Balance of County	134	-	11	-	-	37	-	-	41	-	10	8	2	25
LIVINGSTON	36	-	1	-	4	-	-	-	9	-	8	9	3	2
Howell	9	-	1	-	4	-	-	-	2	-	1	4	1	-
Balance of County	27	-	-	-	-	-	-	-	7	-	7	5	2	2
LUCE	383	-	5	-	-	-	1	-	2	-	3	4	2	366
Newberry	283	-	5	-	-	-	-	-	2	-	2	3	2	268
Balance of County	100	-	-	-	-	-	-	-	-	-	1	1	-	98
MACKINAC	208	-	-	-	-	149	2	-	5	-	8	7	4	33
St. Ignace	298	-	-	-	-	149	2	-	4	-	2	5	3	33
Balance of County	10	-	-	-	-	-	-	-	1	-	6	2	1	-
MACOMB	2,427	-	86	-	117	725	30	5	132	1	175	56	26	1,074
East Detroit	641	-	7	-	25	327	8	-	16	-	35	5	1	217
Mount Clemens	218	-	2	-	15	77	5	1	9	-	34	16	5	54
Roseville	175	-	11	-	20	14	4	-	21	-	24	5	3	73
St. Clair Shores	231	-	22	-	20	44	4	-	26	-	19	7	5	84
Centerline	96	-	4	-	5	16	-	1	5	-	9	2	2	52
Romeo	72	-	-	-	-	42	-	-	3	-	2	4	1	20
Balance of County	994	-	40	-	32	205	9	3	52	1	52	17	9	574
MANISTEE	68	-	3	-	9	2	-	-	5	1	11	1	1	35
Manistee	28	-	2	-	4	2	-	-	1	1	3	1	-	14
Balance of County	40	-	1	-	5	-	-	-	4	-	8	-	1	21
MARQUETTE	857	-	69	-	18	192	-	2	69	-	38	14	4	451
Marquette	507	-	63	-	7	26	-	2	34	-	9	3	3	360
Ishpeming	255	-	3	-	11	166	-	-	10	-	8	3	-	54
Negaunee	12	-	-	-	-	-	-	-	5	-	4	3	-	-
Balance of County	83	-	3	-	-	-	-	-	20	-	17	5	1	37
MASON	186	-	20	-	20	20	1	-	24	1	2	5	4	89
Ludington	77	-	8	-	6	13	-	-	9	1	1	3	3	33
Balance of County	109	-	12	-	14	7	1	-	15	-	1	2	1	56
MECOSTA	287	-	10	-	7	76	2	1	2	2	11	9	3	164
Big Rapids	115	-	4	-	1	27	-	1	-	-	1	2	-	79
Balance of County	172	-	6	-	6	49	2	-	2	2	10	7	3	85
MENOMINEE	429	-	7	-	1	183	-	1	12	1	15	1	-	206
Menominee	290	-	1	-	1	160	-	-	7	-	7	1	-	114
Balance of County	139	-	6	-	-	23	-	1	5	1	8	1	-	94
MIDLAND	2,934	-	98	-	17	1,174	12	1	11	4	-	9	4	1,602
Midland	1,518	-	39	-	3	544	2	-	4	-	5	-	5	916
Balance of County	1,416	-	59	-	14	630	10	1	7	-	4	4	1	686
MISSAUKEE	106	-	30	-	24	7	1	-	-	-	1	6	-	37

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
MONROE	568	-	20	-	5	240	-	5	14	-	28	19	5	232
Monroe	380	-	5	-	2	158	-	3	8	-	17	11	3	173
Milan (Part)	16	-	1	-	-	4	-	-	1	-	-	-	-	10
Balance of County	172	-	14	-	3	78	-	2	5	-	11	8	2	49
MONTCALM	62	-	5	-	-	-	-	-	15	-	11	21	4	6
Greenville	15	-	5	-	-	-	-	-	1	-	3	8	1	2
Balance of County	47	-	-	-	-	-	-	-	14	-	8	13	3	4
MONTMORENCY	33	-	1	-	-	7	-	-	2	-	-	5	-	18
MUSKEGON	2,402	-	76	2	51	302	5	2	14	1	55	143	552	1,199
Muskegon	1,262	-	20	-	13	162	2	-	6	-	40	93	310	616
Muskegon Heights	444	-	8	1	1	44	-	1	2	-	8	38	215	126
Balance of County	696	-	48	1	37	96	3	1	6	1	7	12	27	457
NEWAYGO	228	-	7	-	17	135	-	2	6	1	6	5	8	41
Fremont	12	-	-	-	-	-	-	-	1	-	-	1	4	6
Balance of County	216	-	7	-	17	135	-	2	5	1	6	4	4	35
OAKLAND	17,079	-	637	2	253	4,998	45	16	242	1	239	356	714	9,576
Pontiac	3,297	-	64	1	64	1,104	-	2	37	-	80	194	543	1,206
Ferndale	1,301	-	60	1	13	141	13	2	18	-	35	34	64	919
Royal Oak	2,401	-	103	-	8	627	-	-	50	-	31	17	20	1,545
Berkley	1,141	-	38	-	3	327	-	1	15	-	3	5	5	744
Birmingham	2,037	-	82	-	2	486	1	2	9	-	6	16	9	1,424
Hazel Park	35	-	-	-	-	-	-	-	-	-	13	16	6	-
Clawson	261	-	24	-	4	99	5	-	3	-	1	2	1	122
Holly	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Huntington Woods	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Northville (Part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oak Park	6	-	-	-	-	-	-	-	-	-	-	5	-	-
Pleasant Ridge	124	-	2	-	1	27	4	-	-	-	3	-	-	87
Rochester	49	-	1	-	1	9	-	-	1	-	3	7	2	25
Balance of County	6,422	-	263	-	157	2,178	22	9	109	-	56	65	61	3,502
OCEANA	56	-	2	-	10	4	4	-	6	3	1	5	8	13
OGEMAW	43	-	-	-	-	31	-	-	1	1	6	2	2	-
ONTONAGON	58	-	5	-	-	11	-	-	-	-	7	4	-	31
OSCEOLA	765	-	11	-	52	137	1	1	3	-	10	8	3	559
OSCODA	3	-	-	-	-	-	-	-	-	-	1	1	-	1
OTSEGO	26	-	11	-	-	5	-	-	-	1	2	2	-	5
OTTAWA	1,412	-	93	1	64	56	4	1	36	4	12	16	15	1,110
Holland	321	-	9	-	17	12	2	-	11	-	3	3	3	261
Grand Haven	161	-	12	-	-	4	-	1	4	-	1	1	3	155
Zeeland	24	-	6	-	-	1	-	-	1	-	-	3	2	11
Balance of County	886	-	66	1	47	39	2	-	20	4	8	9	7	683
PRESQUE ISLE	74	-	2	-	-	11	-	-	1	-	10	2	1	47
Rogers City	55	-	2	-	-	3	-	-	1	-	3	-	2	46
Balance of County	19	-	-	-	-	8	-	-	-	-	7	2	1	1
ROSCOMMON	33	-	-	-	-	8	-	-	2	-	2	1	-	20
SAGINAW	2,503	-	114	5	41	1,011	18	4	41	-	77	149	147	896
Saginaw	1,618	-	36	4	15	628	9	3	27	-	57	131	137	571
Balance of County	885	-	78	1	26	383	9	1	14	-	20	18	10	325
ST. CLAIR	1,348	-	199	-	105	420	3	-	80	1	32	19	36	453
Port Huron	598	-	165	-	83	65	-	-	35	-	16	13	32	189
Algonac	6	-	-	-	-	-	-	-	1	-	2	2	1	-
Marine City	28	-	-	-	-	17	-	-	5	-	5	-	-	-
Marysville	-	-	-	-	-	-	-	-	-	-	-	-	-	-
St. Clair	242	-	4	-	-	143	3	-	6	-	1	1	2	82
Balance of County	474	-	30	-	22	195	-	-	33	1	8	3	1	181
ST. JOSEPH	615	-	71	-	2	145	5	-	4	2	18	9	-	359
Sturgis	83	-	16	-	-	54	-	-	-	-	3	2	-	8
Three Rivers	76	-	9	-	1	17	-	-	-	1	5	2	-	41
Balance of County	456	-	46	-	1	74	5	-	4	1	10	5	-	310
SANILAC	180	-	5	-	20	95	2	-	14	6	5	9	5	19

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

AREA	Total	Diphtheria	Sorethroat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
SCHOOLCRAFT	20	-	-	-	-	3	-	-	4	-	5	5	2	1
Manistique	11	-	-	-	-	3	-	-	2	-	3	3	-	-
Balance of County	9	-	-	-	-	-	-	-	2	-	2	2	-	1
SHIAWASSEE	838	-	39	-	20	442	-	-	9	-	10	23	6	289
Owosso	731	-	27	-	17	383	-	-	5	-	3	12	2	282
Durand	7	-	1	-	-	2	-	-	-	-	3	1	-	-
Balance of County	100	-	11	-	3	57	-	-	4	-	4	10	4	7
TUSCOLA	86	-	7	-	43	3	-	-	1	-	15	8	-	9
Caro	3	-	-	-	-	-	-	-	-	-	3	-	-	-
Vassar	5	-	1	-	1	-	-	-	1	-	1	1	-	-
Balance of County	78	-	6	-	42	3	-	-	-	-	11	7	-	9
VAN BUREN	337	-	24	3	23	62	-	-	15	-	15	22	12	161
South Haven	12	-	-	-	-	-	-	-	-	-	2	5	5	-
Balance of County	325	-	24	3	23	62	-	-	15	-	13	17	7	161
WASHTENAW	1,639	-	46	1	39	163	4	5	65	-	67	62	143	1,044
Ann Arbor	748	-	12	-	13	26	-	-	27	-	18	17	20	615
Ypsilanti	252	-	8	-	5	14	2	2	18	-	17	17	88	81
Chelsea	4	-	-	-	-	-	-	-	-	-	4	-	-	-
Milan (Part)	4	-	-	-	-	-	-	-	-	-	2	1	1	-
Balance of County	631	-	26	1	21	123	2	3	20	-	26	27	34	348
WAYNE	40,979	10	2,141	5	1,074	5,025	430	69	815	4	3,722	3,600	5,517	18,567
Detroit	28,103	8	1,462	4	976	2,846	305	51	556	3	2,911	3,274	5,183	10,524
Dearborn	1,329	-	120	-	12	218	12	-	30	-	96	44	33	764
Hamtramck	399	-	5	-	12	24	2	5	6	-	90	27	42	186
Highland Park	331	-	22	-	3	35	-	3	10	-	43	29	20	166
**Lincoln Park	68	-	-	-	-	-	-	-	-	-	49	17	2	-
**Wyandotte	139	-	1	-	-	36	-	-	-	-	52	15	18	17
**Allen Park	45	-	-	-	-	-	-	-	-	-	36	9	-	-
**Ecorse	99	-	-	-	-	-	-	-	-	-	37	28	34	-
**Grosse Pte. Park	4	-	-	-	-	-	-	-	-	-	3	1	-	-
**Grosse Pte. Woods	11	-	-	-	-	-	-	-	-	-	8	2	1	-
**Inkster	152	-	-	-	-	-	-	-	-	-	37	43	72	-
**Livonia	16	-	-	-	-	-	-	-	-	-	15	1	-	-
**River Rouge	144	-	-	-	-	-	-	-	-	-	34	42	68	-
**Garden City	25	-	-	-	-	-	-	-	-	-	19	5	1	-
**Grosse Pte.	18	-	-	-	-	-	-	-	-	-	14	3	1	-
**Grosse Pte. Farms	3	-	-	-	-	-	-	-	-	-	3	-	-	-
**Melvindale	25	-	-	-	-	-	-	-	-	-	19	2	4	-
**Northville (Part)	7	-	-	-	-	-	-	-	-	-	5	2	-	-
**Plymouth	21	-	-	-	-	-	-	-	-	-	15	5	1	-
**Trenton	14	-	-	-	-	-	-	-	-	-	10	3	1	-
**Wayne	58	-	-	-	-	-	-	-	-	-	26	11	21	-
Balance of County	9,968	2	531	1	71	1,866	111	10	213	1	200	37	15	6,910
WEXFORD	352	-	14	-	58	46	1	2	17	-	3	4	-	207
Cadillac	281	-	8	-	57	41	-	2	6	-	2	4	-	161
Balance of County	71	-	6	-	1	5	1	-	11	-	1	-	-	46

*Includes

Actinomycosis	1	Erysipelas	49	Ringworm	1,287
Bites, animal	10,689	Impetigo	497	Rubella	3,670
Chickenpox	22,143	Infectious hepatitis	868	Salmonella infections	221
Conjunctivitis (Kerato)	12	Infectious mononucleosis	220	Scabies	232
Diarrhea, epidemic (infants under 1 year)	49	Influenza	769	Tetanus	11
Dysentery, amebic	159	Mumps	8,597	Trichinosis	2
Dysentery, bacillary	475	Pediculosis	103	Tularemia	10
Encephalitis, infectious	67	Pink eye	359	Weil's disease	1
		Rabies in animals	154		

**Included in balance of county unless otherwise indicated.

TUBERCULOSIS CASE AND DEATH RATES

MICHIGAN 1920-1953

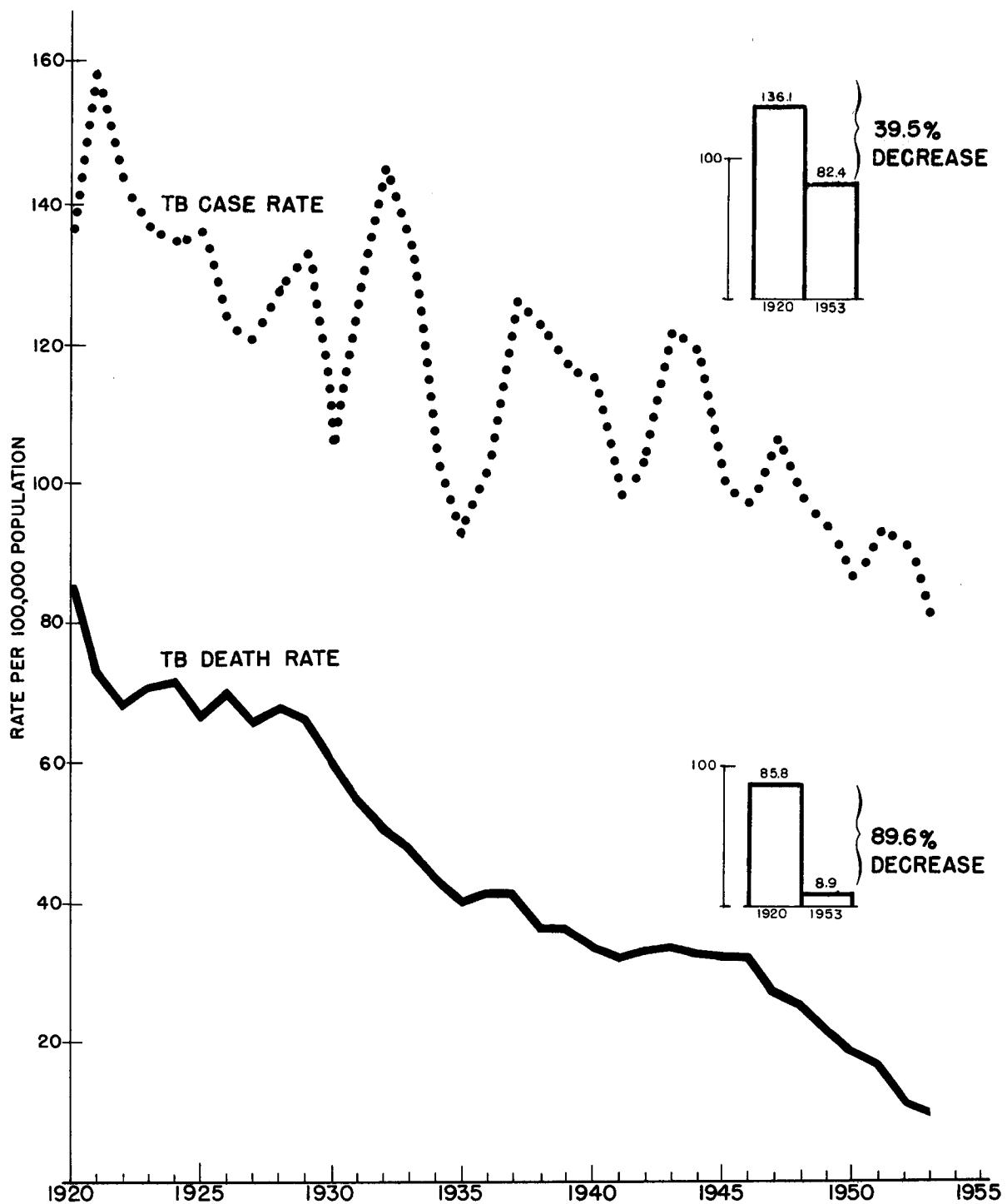


TABLE 6 - ACCIDENTAL DEATHS BY AGE, PLACE, AND TYPE OF ACCIDENT
MICHIGAN, 1953

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

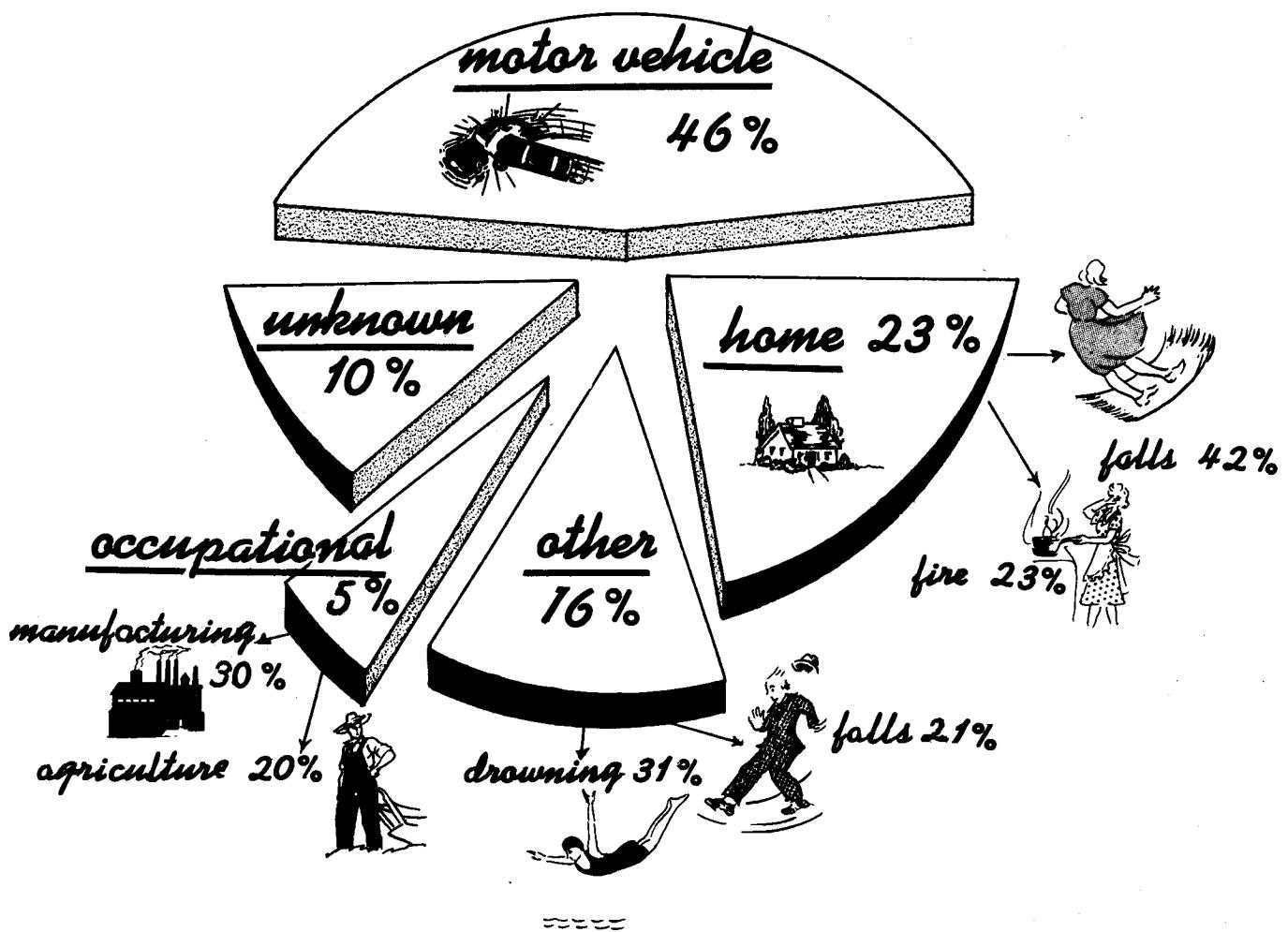
TYPE OF ACCIDENT	All Ages	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and Over	Age Unknown
GRAND TOTAL	4,270	429	344	532	948	857	1,155	5
OCCUPATIONAL TOTAL	236	-	6	25	85	90	30	-
Agriculture	48	-	5	6	5	19	13	-
Mining, Quarrying, Oil and Gas Wells	7	-	-	1	2	4	-	-
Manufacturing	72	-	-	7	30	29	6	-
Construction	30	-	-	-	18	10	2	-
Transportation	5	-	-	-	5	-	-	-
Public Utilities	5	-	-	-	4	1	-	-
Trade	9	-	-	2	2	2	3	-
Service	16	-	-	3	4	6	3	-
Other Specified Industry	42	-	1	6	13	19	3	-
Unspecified Industry	2	-	-	-	2	-	-	-
HOME TOTAL	978	252	67	45	91	122	400	1
Poisonings (gas excepted)	25	9	-	-	6	8	2	-
Poisonings by Gases and Vapors	29	-	1	4	10	11	3	-
Fire, Explosion of Combustible Material	204	62	32	12	23	28	47	-
Hot Substance, Corrosive Liquid, Steam	21	13	-	-	-	1	7	-
Mechanical Suffocation	67	64	2	1	-	-	-	-
Firearms	24	1	6	8	4	5	-	-
Falls on Same Level	69	-	-	-	1	4	64	-
Falls to Different Level or Unspecified	346	11	4	2	18	44	266	1
Other Specified Home Accidents	184	88	21	17	28	20	10	-
Unspecified Home Accidents	9	4	1	1	1	1	1	-
MOTOR-VEHICLE TOTAL	1,944	94	146	355	582	441	326	-
Injury to Pedestrian	426	49	66	12	41	113	145	-
Collision with Other Motor Vehicle	634	18	34	123	216	162	81	-
Collision with Railroad Train	80	2	3	6	34	21	14	-
Collision with Street Car	2	-	-	-	-	2	-	-
Injury to Pedal Cyclist	21	1	14	4	-	-	2	-
Collision with Animal-Drawn Vehicle or Animal	3	-	-	-	1	-	2	-
Collision with Fixed Object	126	5	2	29	46	23	21	-
Non-Collision	436	13	18	138	173	71	23	-
Other and Unspecified Accident	216	6	9	43	71	49	38	-
PUBLIC NONMOTOR-VEHICLE TOTAL	690	42	119	98	156	144	128	3
Railroad--Not with Motor Vehicle	35	-	2	5	10	12	6	-
Street Car--Not with Motor Vehicle	8	-	-	1	3	3	1	-
Other Vehicle--Not with Motor Vehicle	8	-	3	-	1	4	-	-
Water Transportation	98	3	14	18	37	22	4	-
Air Transportation	25	-	1	3	17	4	-	-
Fire, Explosion of Combustible Material	12	2	4	-	2	3	1	-
Hot Substance, Corrosive Liquid, Steam	2	-	-	-	-	1	1	-
Drowning	215	19	67	48	37	27	15	2
Firearms	32	1	3	6	12	7	3	-
Falls on Same Level	44	-	-	-	4	21	19	-
Falls to Different Level or Unspecified	100	2	2	3	9	19	65	-
Other Specified Public Accidents	102	14	21	14	22	19	11	1
Unspecified Public Accidents	9	1	2	-	2	2	2	-
TYPE OF ACCIDENT UNKNOWN	422	41	6	9	34	60	271	1

ACCIDENTS

4th LEADING CAUSE OF DEATH

TOOK THE LIVES OF 4,270 PEOPLE IN MICHIGAN DURING 1953

Where and How?



MICHIGAN'S HEALTH

1953 related to 1952

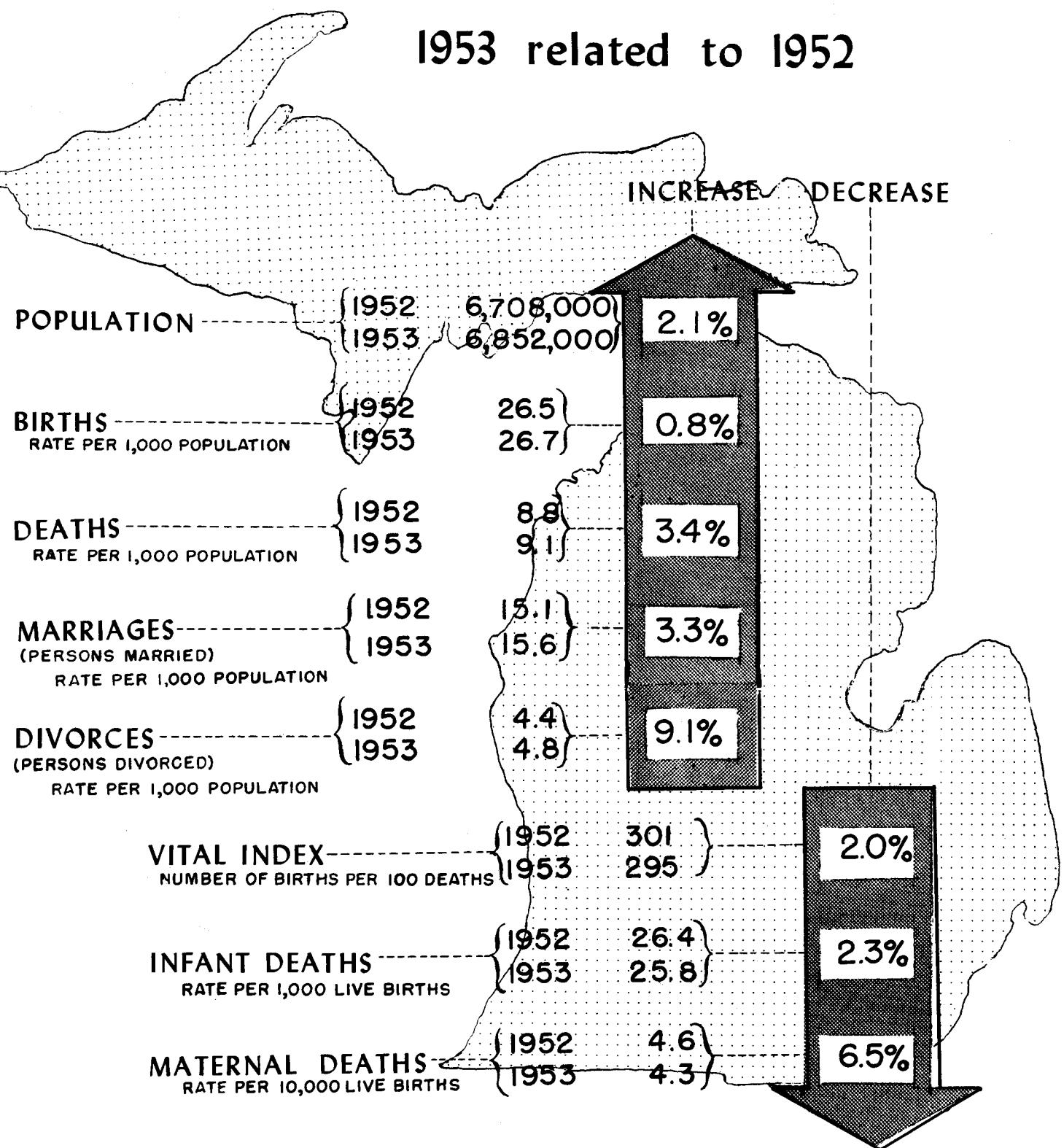


TABLE 7A - DEATHS BY INTERMEDIATE LIST OF CAUSES, SEX, AND AGE
MICHIGAN, 1963

(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	Total Rate	Sex	AGE IN YEARS										Not Stated										
					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	Not Stated
Infections of skin and subcutaneous tissue	A 121	6	0.1	2	4	-	-	-	-	-	-	-	-	-	-	1	2	1	1	22	14	1	1	-	
Arthritis and spondylitis	A 122	104	1.5	49	55	-	-	-	-	-	-	-	-	-	-	1	11	26	9	-	-	3	-	-	
Muscular rheumatism and periarthritis	A 123	7	0.0	5	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
Osteoarthritis and periarthritis	A 124	7	0.1	5	2	-	-	-	-	-	-	-	-	-	-	1	4	1	1	-	-	-	-	-	
Akylosis and acquired musculoskeletal deformities	A 125	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other diseases of skin and musculoskeletal system	A 126	84	1.2	45	39	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONGENITAL MALFORMATIONS, ALL FORMS	A 127-A 129	951	13.9	528	423	717	65	17	19	11	11	6	10	10	11	7	11	12	4	5	2	1	1	-	
Spina bifida and meningocele	A 127	100	1.5	43	57	89	8	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Congenital malformations of circulatory system	A 128	416	6.1	244	172	304	38	8	11	9	7	6	4	7	3	4	7	3	10	11	3	4	2	-	
All other congenital malformations	A 129	435	6.3	241	194	324	39	8	6	2	4	3	2	-	-	-	-	-	-	-	-	-	-	-	
Birth injuries	A 130	573	8.4	343	230	573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pneumonia and atelectasis	A 131	707	10.3	419	288	707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Infections of the newborn	A 132	151	2.2	95	56	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pneumonia of newborn	A 133	117	1.7	72	45	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diarrhea of newborn	A 134	23	0.3	14	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other infections of newborn	A 135	1,197	17.5	663	534	1,197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hemolytic disease of newborn	A 136	83	1.2	48	35	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other defined diseases of early infancy	A 137	144	2.1	57	49	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
III-defined diseases peculiar to early infancy and immaturity unqualified	A 138-AE146	4,375	63.8	2,999	1,376	191	249	196	155	263	298	274	214	226	220	224	215	224	211	137	99	6	-	-	
III-defined diseases	AE147-4*	2,051	29.9	1,461	570	178	184	24	1	21	67	67	67	175	211	137	128	121	107	112	92	76	31	6	-
ACCIDENTS, ALL FORMS	AE147-4*	4,375	63.8	2,999	1,376	191	249	196	155	263	298	274	214	226	220	224	215	224	211	137	99	6	-	-	
Motor vehicle accidents	AE139	178	2.6	184	23	15	76	76	1	15	15	14	12	11	16	15	12	12	7	2	6	3	3	-	
Other transport accidents	AE140	99	1.4	76	454	414	6	9	3	4	6	7	8	5	10	11	7	5	6	3	4	1	1	-	
Accidental poisonings	AE141	868	12.7	454	63	1	3	3	3	4	4	6	6	13	21	16	24	34	41	34	30	122	153	112	89
Accident caused by machinery	AE142	66	1.0	63	3	-	1	3	3	3	8	6	3	2	2	1	9	7	13	2	1	-	-	1	
Accident caused by fire and explosion of combustible material	AE143	238	3.5	147	91	10	54	29	7	6	7	9	10	6	10	7	10	6	17	11	12	12	1	-	
Accident caused by hot substance, corrosive liquid, steam, and radiation	AE144	42	0.6	28	14	7	7	-	1	-	2	-	-	2	1	1	1	4	1	4	1	4	3	-	
Accident caused by firearm	AE145	59	0.9	54	5	-	1	3	7	11	4	4	3	6	3	3	4	4	4	2	1	-	-	2	
Accidental drowning and submersion	AE146	225	3.3	192	33	-	25	34	35	27	17	13	8	10	9	6	11	6	7	7	4	1	-	3	-
Other accidental causes excluding late effects of violence (Excl. E963, E964, E965)	AE147-4*	549	8.0	350	199	149	48	26	21	19	16	34	23	24	23	19	20	26	18	31	15	10	6	3	1
Suicide and self-inflicted injury	AE148	719	10.5	577	142	-	-	-	3	13	27	49	57	65	64	67	78	66	33	30	18	6	1	1	-
Homicide and injury purposely inflicted by other persons (not in war)	AE149	236	3.4	160	56	6	9	4	-	12	23	29	31	29	16	15	14	5	8	3	2	-	-	2	-
Injury resulting from operations of war	AE150	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Late effects of war injury (E965)	AE147-3*	2	0.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

TABLE 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 1	5 4	10 9	15 -	20 -	25 -	30 -	35 -	40 -	
Diseases attributable to viruses (continued)														
Late effects of acute poliomyelitis	081	4	0.1	3	1	2	-	-	-	-	-	-	-	-
Acute infectious encephalitis, other	082	2	0.2	5	3	4	2	1	-	-	-	-	-	-
Late effects of acute infectious encephalitis, postencephalitic Parkinsonism	083	0	0.0	3	0	6	4	3	3	2	1	1	1	-
Measles	085	16	0.2	8	6	4	6	3	3	2	1	1	1	-
Without mention of pneumonia	090	10	0.1	5	5	2	3	3	2	1	1	1	1	-
With pneumonia	091	5	0.1	2	1	3	2	1	1	1	1	1	1	-
Late effects	097	4	0.1	1	4	1	2	1	1	1	1	1	1	-
Chickenpox	098	2	0.0	-	2	1	-	-	-	-	-	-	-	-
Herpes zoster	099	3	0.0	1	1	1	1	1	1	1	1	1	1	-
Mumps	092	25	0.4	16	7	4	3	2	1	1	1	1	1	-
Infectious hepatitis	093	1	0.0	1	1	1	1	1	1	1	1	1	1	-
Glandular fever (infectious mononucleosis)	096	13	0.2	8	5	2	1	1	1	1	1	1	1	-
Other diseases attributable to viruses	097	12	0.2	6	4	2	-	-	-	-	-	-	-	-
Herpes febrilis	098	9	0.1	-	-	-	-	-	-	-	-	-	-	-
Other	099	12	0.2	6	4	2	-	-	-	-	-	-	-	-
Other infective and parasitic diseases (120-136)														
Dematomycosis	131	19	0.3	13	6	1	-	-	-	-	-	-	-	-
Actinomycosis	132	1	0.0	1	1	-	-	-	-	-	-	-	-	-
Coccidioidomycosis	133	1	0.0	-	1	-	-	-	-	-	-	-	-	-
Other fungus infections	134	6	0.1	5	1	-	-	-	-	-	-	-	-	-
Histoplasmosis	135	2	0.0	2	1	-	-	-	-	-	-	-	-	-
Moniliasis	136	3	0.0	2	1	1	-	-	-	-	-	-	-	-
Sporotrichosis	137	4	0.1	1	1	-	-	-	-	-	-	-	-	-
Other	138	5	0.1	7	3	1	-	-	-	-	-	-	-	-
Other infective and parasitic diseases	139	10	0.1	7	2	1	-	-	-	-	-	-	-	-
Sarcoid of Bocck	140	9	0.1	7	2	1	-	-	-	-	-	-	-	-
Other	141	1	0.0	-	-	-	-	-	-	-	-	-	-	-
II Neoplasms														
Malignant neoplasms of buccal cavity and pharynx (140-146)														
Lip	140	14	2.8	151	42	1	-	-	-	-	-	-	-	-
Tongue	141	46	0.7	35	11	-	-	-	-	-	-	-	-	-
Salivary gland	142	19	0.3	9	10	-	-	-	-	-	-	-	-	-
Mixed salivary gland tumor	143	0	0.0	-	1	-	-	-	-	-	-	-	-	-
Other	143	1	0.0	9	9	-	-	-	-	-	-	-	-	-
Floor of mouth	143	7	0.1	5	2	-	-	-	-	-	-	-	-	-
Other parts of mouth and mouth unspecified	144	30	0.4	25	10	3	-	-	-	-	-	-	-	-
Oral mesopharynx	145	13	0.2	10	9	1	-	-	-	-	-	-	-	-
Nasopharynx	146	10	0.1	9	1	-	-	-	-	-	-	-	-	-
Hypopharynx	147	9	0.1	6	3	-	-	-	-	-	-	-	-	-
Pharynx, unspecified	148	45	0.7	39	6	-	-	-	-	-	-	-	-	-
Malignant neoplasm of digestive organs and peritoneum (150-159)														
Esophagus	150	3,706	54.1	1,570	1	3	2	1	2	8	16	20	42	55
Stomach	151	1,186	2.7	1,142	44	-	-	1	2	-	-	5	106	146
Small intestine, including duodenum	152	1,066	15.6	719	347	-	-	1	1	-	-	5	30	51
Large intestine, except rectum	153	23	0.3	14	9	-	-	1	1	-	-	5	8	17
Rectum	154	1,001	14.6	485	516	-	-	1	1	4	16	26	42	54
Biliary passages and of liver, stated to be primary site	155	499	7.3	307	192	-	-	1	2	1	1	6	16	21
Liver, secondary and unspecified	156	221	3.2	80	141	1	-	-	-	2	1	2	1	-
Liver, secondary	157	229	3.3	129	127	-	-	-	-	3	3	3	10	19
Pancreas	158	33	0.5	19	14	3	1	-	-	1	2	2	6	2
Peritoneum	159	36	0.5	19	17	-	-	-	-	1	1	4	3	3
Unspecified digestive organs	1,122	16.4	967	155	-	2	1	-	3	4	13	43	83	127
Malignant neoplasm of respiratory system (160-165)														
Nose, nasal cavities, middle ear, and accessory sinuses	160	29	0.4	16	13	-	-	-	-	2	5	5	10	12
Larynx	161	78	1.1	71	7	-	-	-	-	1	5	5	12	10
Trachea, and of bronchus and lung specified as primary	162	412	6.0	366	46	-	-	-	-	5	21	29	54	70
Lung and bronchus, unspecified	163	569	8.3	486	63	-	1	-	1	1	5	11	46	55
Primary or secondary	164	16	0.2	15	1	-	-	-	-	-	1	2	4	2
Medastinum	165	18	0.3	13	5	-	-	-	-	-	1	3	4	2
Thoracic organs, secondary														
Malignant neoplasm of breast and genito-urinary organs (170-181)														
Breast	170	2,938	42.9	918	2,020	2	7	7	4	12	17	45	96	154
Cervix uteri	171	351	5.1	-	-	-	-	-	-	2	15	41	52	36

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	Male	Female	Sex	AGE IN YEARS										Not Stated							
							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
V Mental, psychoneurotic, and personality disorders																								
Psychoses (300-309)		54	0.6	26	28																			
Schizophrenic disorders (dementia praecox)	300	8	0.1	5	3																			
Catactic type		2	0.0	1	1																			
Paranoid type		3	0.0	1	1																			
Acute schizophrenic reaction		4	0.1	1	1																			
Other and unspecified		7	0.1	4	3																			
Senile psychosis	304	26	0.4	13	15																			
Presenile psychosis	305	4	0.1	4	4																			
Alcoholic psychosis	307	5	0.1	4	1																			
Psychosis of other demonstrable etiology	309	8	0.1	3	5																			
Other and unspecified psychoses		2	0.0	-	2																			
Psychoneurotic disorders (310-318)		1	0.0	-	1																			
Hysterical reaction without mention of anxiety reaction	311	1	0.0	-	1																			
Psychoneurotic disorders, other, mixed and unspecified types, asthenic reaction	318	3	0.0	-	1																			
Disorders of character, behavior, and intelligence (320-326)		67	0.8	55	12																			
Alcoholism	322	59	0.9	51	8																			
Acute		22	0.3	16	4																			
Chronic		27	0.4	24	3																			
Unspecified		10	0.1	9	1																			
Mental deficiency	325	8	0.1	4	4																			
Mongolism		4	0.1	2	2																			
Other and unspecified types		.5	0.1	2	2																			
VI Diseases of the nervous system and sense organs																								
Vascular lesions affecting central nervous system (320-324)		7,045	102.8	3,518	3,527																			
Subarachnoid hemorrhage	330	142	2.1	2,774	68																			
Cerebral embolism and thrombosis	331	66.6	2,300	2,401	4																			
Cerebral arteritis	332	1,537	22.4	835	702																			
Spasm of cerebral arteries	333	2	0.0	2	3																			
Other and ill-defined	334	663	9.7	307	356																			
Inflammatory diseases of central nervous system (340-345)		235	3.4	129	106																			
Meningitis, except meningococcal and tuberculous	340	95	1.4	62	33																			
H. influenzae		18	0.3	13	5																			
Encephalitis, myelitis, and encephalomylitis (except acute infectious)		.1	0.2	17	5																			
Late effects of intracranial abscess or pyogenic infection		2	0.1	2	1																			
Phlebitis and thrombophlebitis of intracranial venous sinuses		.3	0.7	30	21																			
Intracranial and intraspinal abscess		341	5	0.1	3	2																		
Encephalitis, myelitis, and encephalomylitis (except acute infectious)		342	12	0.2	7	5																		
Late effects of intracranial abscess or pyogenic infection		343	32	0.5	19	13																		
Hydrocephalus NOS		344	31	0.5	17	14																		
Other		.2	0.3	21	39																			
Multiple sclerosis		345	60	0.9	21	39																		
Other diseases of central nervous system (350-357)		330	4.8	205	125																			
Paralysis agitans		155	2.3	92	63																			
Cerebral spastic infantile paralysis		351	16	0.2	12	4																		
Epilepsy		352	20	0.3	7	13																		
Grand mal		353	76	1.1	48	28																		
Status epilepticus		.1	0.2	20	0.3	3																		
Other and unspecified		.3	51	0.7	32	19																		
Other diseases of brain		355	26	0.4	19	6																		
Motor neurone disease and muscular atrophy		356	32	0.5	23	9																		
Progressive muscular atrophy		.2	0.2	22	6	1																		
Amyotrophic lateral sclerosis		.1	0.2	2	0	2																		
Spinal type of muscular atrophy		.2	5	0.1	5	-																		
Other diseases of spinal cord		357	11	0.2	3	2																		
Diseases of nerves and peripheral ganglia (360-369)		361	3	0.0	2	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)

CAUSE OF DEATH	Int. List No.	Total Number	Total Rate	Sex Male Female	AGE IN YEARS											Not Stated			
					Under 1 Year	1 -	5 -	10 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -				
Other diseases of heart (continued)																			
Other and unspecified diseases of heart	434	731	10.7	441	290	4	2	2	5	4	7	16	11	28	38	54	76		
Kyphoscoliotic heart disease	.0	4	0.1	-	-	-	-	-	-	-	-	-	-	-	-	1	21		
Congestive heart failure	.1	256	3.7	143	113	-	-	-	-	-	-	3	13	15	24	31	54	44	
Left ventricular failure	.1	62	0.9	42	20	-	-	-	-	-	-	2	3	3	12	13	44	4	
Other and unspecified disease of heart	.2	409	6.0	256	153	4	1	2	2	4	3	6	10	7	21	34	40	42	
Hypertensive disease (440-447)	.3	3,215	46.9	1,517	1,698	-	-	-	1	1	7	27	50	65	149	176	271	351	
Essential benign hypertension with heart disease	440	335	0.5	16	19	-	-	-	-	-	-	3	4	4	5	7	5	-	
Essential malignant hypertension with heart disease	441	661	9.6	346	315	-	-	1	1	-	-	4	8	17	17	25	60	80	
Hypertensive heart disease with arteriolar nephrosclerosis	442	2,120	30.9	951	1,169	-	-	-	-	-	-	2	11	25	42	104	119	188	
Other and unspecified hypertensive heart disease	443	97	1.4	44	53	-	-	-	-	-	-	2	-	3	6	5	8	102	
Other essential benign hypertension without mention of heart	444	82	1.2	36	46	-	-	-	-	-	-	2	-	3	6	11	9	10	
Essential malignant hypertension without mention of heart	445	57	0.8	37	20	-	-	-	-	-	-	1	3	3	8	11	7	4	
Hypertension with arteriolar nephrosclerosis without mention of heart	446	161	2.3	87	74	-	-	-	-	-	-	2	4	5	6	9	10	10	
Other hypertensive disease without mention of heart	447	1,444	18.7	1,444	53	-	-	-	-	-	-	2	-	3	6	11	9	4	
Diseases of arteries (450-456)																			
General arteriosclerosis	450	1,270	18.5	639	631	-	-	-	-	-	-	1	2	3	8	14	39	82	
Without mention of gangrene	.0	1,935	17.4	591	604	-	-	-	-	-	-	1	3	3	12	37	82	147	
With gangrene	.1	76	1.1	48	27	-	-	-	-	-	-	1	1	1	1	2	2	2	
Aortic aneurysm specified nonsyphilitic, and dissecting aneurysm	451	136	2.0	105	31	-	-	-	-	-	-	1	2	2	3	1	1	4	
Other aneurysm, except of heart and aorta	452	19	0.3	12	2	-	-	-	-	-	-	1	1	1	1	1	1	1	
Peripheral vascular disease	453	14	0.2	12	2	-	-	-	-	-	-	1	1	1	1	1	1	1	
Thromboangiitis obliterans	.1	9	0.1	8	1	-	-	-	-	-	-	1	1	1	1	1	1	1	
Other	.3	5	0.1	4	4	-	-	-	-	-	-	1	1	1	1	1	1	1	
Arterial embolism and thrombosis	454	21	0.3	12	9	-	-	-	-	-	-	1	2	1	1	2	3	1	
Gangrene of unspecified cause	455	12	0.2	7	5	-	-	-	-	-	-	1	2	1	1	2	3	1	
Other diseases of arteries	456	21	0.3	6	15	-	-	-	-	-	-	1	4	3	2	-	-	-	
Diseases of veins and other diseases of circulatory system (460-468)																			
Varicose veins of lower extremities	460	161	2.3	87	74	-	-	-	-	-	-	1	3	7	5	11	16	21	
Varicose veins of other specified sites	461	7	0.1	3	4	-	-	-	-	-	-	1	1	1	1	1	1	1	
Hemorrhoids	462	12	0.2	7	5	-	-	-	-	-	-	1	2	1	2	1	1	1	
Varicose veins of other specified sites	.1	11	0.2	7	4	-	-	-	-	-	-	1	1	1	1	1	1	1	
Other	.2	1	0.0	1	0	-	-	-	-	-	-	1	2	1	1	2	2	2	
Phebitis and thrombophlebitis of lower extremities	463	30	0.4	12	16	-	-	-	-	-	-	2	1	1	1	1	1	1	
Phlebitis and thrombophlebitis of other sites	464	11	0.2	7	4	-	-	-	-	-	-	1	2	1	1	2	2	2	
Pulmonary embolism and infarction	465	55	0.8	31	24	-	-	-	-	-	-	1	1	1	1	4	1	1	
Other venous embolism and thrombosis	466	26	0.4	16	10	-	-	-	-	-	-	1	2	1	1	3	2	1	
Other diseases of circulatory system	467	14	0.2	8	6	-	-	-	-	-	-	1	1	1	1	-	-	-	
Hypotension	.0	1	0.0	1	0	-	-	-	-	-	-	1	1	1	1	1	1	1	
Diseases of capillaries	.1	1	0.0	1	0	-	-	-	-	-	-	1	1	1	1	-	-	-	
Diseases of capillaries	.2	12	0.2	7	5	-	-	-	-	-	-	1	1	1	1	-	-	-	
Other and unspecified circulatory diseases	468	1	0.0	1	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
Certain diseases of lymph nodes and lymph channels	.2	1	0.0	-	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
Nonspecific mesenteric lymphadenitis	.1	0	0.0	-	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
Lymphadenitis, unqualified	.2	1	0.0	-	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
VIII Diseases of the respiratory system																			
Acute upper respiratory infections (470-476)	470	44	0.6	23	21	-	-	-	-	-	-	1	1	1	1	3	1	4	
Acute nasopharyngitis (common cold)	471	5	0.1	3	2	-	-	-	-	-	-	1	1	1	1	-	-	-	
Acute sinusitis	472.1	4	0.1	1	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
Acute pharyngitis	472.3	3	0.0	2	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
Acute tonsillitis	473	6	0.1	3	3	-	-	-	-	-	-	1	1	1	1	-	-	-	
Acute laryngitis and tracheitis	474	1	0.0	1	1	-	-	-	-	-	-	1	1	1	1	-	-	-	
Acute upper respiratory infection of multiple or unspecified sites	475	25	0.4	13	12	6	4	1	-	-	-	1	1	1	1	2	2	2	
Influenza (480-483)	480	239	3.5	140	99	38	10	6	-	-	-	1	4	7	3	9	10	22	
With pneumonia	481	128	1.9	74	54	18	7	2	-	-	-	1	1	1	1	1	1	1	
With other respiratory manifestations, and influenza unqualified	482	11	0.2	6	5	5	1	-	-	-	-	1	1	1	1	2	1	1	
With digestive manifestations, but without respiratory symptoms	483	1,536	22.4	949	569	323	74	15	11	14	11	16	22	28	47	70	78	119	106
Pneumonia (490-493)	490	610	8.9	412	196	56	18	5	4	5	5	7	4	6	43	46	51	135	109
Lobar pneumonia	.0	669	8.9	411	198	56	18	5	4	5	5	7	4	6	46	51	47	135	109
Late effects	.1	8.8	1	1	-	-	-	-	-	-	-	-	-	-	64	51	44	50	30
(Over 4 weeks, but under 1 year)	.9	601	8.8	337	264	160	41	8	6	6	6	9	3	8	16	16	16	32	37

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 Year		5 to 9 Year		10 to 14 Year		15 to 19 Year		20 to 24 Year		
					Male	Female									
Hernia of abdominal cavity (continued)															
Hernia of abdominal cavity with obstruction	561	97	1.4	56	41	2	1	-	2	-	-	4	2	6	16
Inguinal		35	0.5	29	6	1	-	-	-	-	-	3	1	3	-
Femoral		11	0.2	5	6	-	-	-	-	-	-	2	3	3	-
Umbilical		2	0.1	2	7	-	-	-	1	1	1	1	1	1	-
Ventral (incisional)		3	0.1	6	15	-	-	-	3	1	4	2	3	2	-
Other specified site		4	0.1	4	3	-	-	-	1	1	1	2	4	4	-
Unspecified site		5	0.1	10	4	-	-	-	-	-	-	1	1	1	-
Other diseases of intestines and peritoneum (570-578)		596	8.7	315	281	180	33	5	2	4	7	6	18	37	53
Intestinal obstruction without mention of hernia	570	203	3.0	98	105	21	8	2	-	-	-	10	9	12	20
Intussusception		11	0.2	4	7	8	1	-	-	-	-	-	-	-	-
Paralytic ileus		15	0.2	9	6	2	-	-	-	-	-	4	2	1	-
Mesenteric infarction		41	0.6	21	20	1	-	-	-	-	-	3	2	3	-
Volvulus		4	0.1	17	12	6	-	-	-	-	-	2	1	1	-
Impaction of intestine		3	0.1	1	3	-	-	-	-	-	-	1	1	1	-
Other		103	1.5	46	57	4	5	-	3	1	3	5	4	5	14
Gastro-enteritis and colitis, except ulcerative, age 4 weeks and over	571	199	2.9	120	79	145	25	1	2	-	-	1	1	4	3
Ages between 4 weeks and 2 years		163	2.4	96	67	145	18	7	2	-	-	2	1	5	3
Ages 2 years and over		36	0.5	24	12	27	31	4	1	1	4	1	2	1	2
Chronic enteritis and ulcerative colitis	572	98	1.4	44	54	6	-	-	1	1	1	2	2	1	-
Regional enteritis		9	0.1	5	3	2	-	-	1	1	1	1	1	1	-
Duodenitis		58	0.1	3	2	-	-	-	1	1	1	1	1	1	-
Ulcerative colitis		29	0.4	11	18	4	-	-	1	1	1	1	1	1	-
Other		6	0.1	3	2	-	-	-	1	1	1	1	1	1	-
Functional disorders of intestines	573	3	0.0	1	2	-	-	-	-	-	-	-	-	-	-
Mucous colitis		0	0.0	2	0	-	-	-	-	-	-	-	-	-	-
Anal fissure and fistula		574	2	0.1	1	-	-	-	-	-	-	-	-	-	-
Abscess of anal and rectal regions		575	4	0.1	3	1	-	-	-	-	-	-	-	-	-
Peritonitis		576	19	0.3	12	7	1	-	-	-	-	-	-	-	-
Peritoneal adhesion		577	4	0.1	1	3	1	-	-	-	-	-	-	-	-
Other diseases of intestines and peritoneum	578	64	0.9	30	16	2	1	-	1	1	1	4	3	6	10
Diseases of liver, gallbladder, and pancreas (560-567)		1,164	17.0	646	518	18	6	2	6	15	25	58	79	113	129
Acute and subacute yellow atrophy of liver	580	24	0.4	12	12	2	1	-	1	1	2	4	1	2	1
Cirrhosis of liver		715	10.4	456	257	2	1	-	1	1	4	8	16	46	90
Without mention of alcoholism		620	9.0	387	233	2	1	-	1	1	4	8	11	19	85
With alcoholism		0	0.0	71	24	-	-	-	5	5	7	10	19	11	19
Suppurative hepatitis and liver abscess	582	2	0.0	2	1	-	-	-	1	1	2	1	1	1	1
Other diseases of liver		583	45	0.7	20	25	2	-	-	-	-	3	7	4	7
Cholelithiasis		584	166	2.4	56	110	1	-	-	-	-	6	19	14	28
Cholecystitis without mention of calculi	585	93	1.4	39	54	-	-	-	1	1	4	1	7	3	14
Other diseases of gallbladder and biliary ducts		586	37	0.5	12	25	1	-	-	-	-	2	3	8	3
Diseases of pancreas		587	82	1.2	47	35	10	5	7	1	1	3	7	10	4
Acute pancreatitis		50	0.7	28	22	-	-	-	-	-	-	6	2	4	4
Chronic pancreatitis		1	0.1	3	1	-	-	-	-	-	-	1	1	1	-
Other diseases of pancreas		.2	0.2	28	0.4	16	12	10	5	7	-	-	-	-	-
X Diseases of the genito-urinary system		820	12.0	450	370	5	13	9	13	11	9	25	32	71	76
Nephritis and nephrosis (590-594)		590	0.6	38	20	2	2	4	2	3	2	4	5	6	7
Acute nephritis		591	54	0.8	34	20	2	1	4	2	1	3	4	2	3
Nephritis with edema, including nephrosis		592	533	7.8	282	251	3	4	9	3	2	16	36	45	57
Chronic nephritis		593	169	2.1	94	75	1	3	1	2	2	10	6	19	21
Nephritis not specified as acute or chronic		594	6	0.1	2	4	-	-	-	-	-	-	-	-	-
Other renal sclerosis		287	4.2	167	120	2	4	-	-	1	3	4	5	17	23
Other diseases of urinary system (600-609)		600	179	2.6	96	83	2	2	1	1	3	7	8	11	16
Infections of kidney		173	2.5	92	81	2	2	-	-	-	-	1	1	1	1
Pyelitis, pyelocystitis, and pyelonephritis		590	0.8	2	0	-	-	-	-	-	-	-	-	-	-
Abscess of kidney and perirenal tissue		.1	0.1	2	0	-	-	-	-	-	-	-	-	-	-
Other		601	45	0.7	28	17	-	-	-	-	-	3	1	7	4
Hydronephrosis		602	6	0.1	5	1	-	-	-	-	-	1	1	2	3
Calculus of kidney and ureter		603	12	0.2	5	7	-	-	-	-	-	1	1	1	2
Other diseases of kidney and ureter		604	2	0.0	2	-	-	-	-	-	-	2	1	1	1
Cystitis		605	21	0.3	14	7	-	-	-	-	-	1	2	1	1
Other diseases of bladder		606	10	0.1	6	4	-	-	-	-	-	1	1	1	-
Structure of urethra		608	7	0.1	7	1	-	-	-	-	-	1	1	1	-
Other diseases of urethra		609	5	0.1	4	-	-	-	-	-	-	2	1	1	-
Diseases of male genital organs (610-617)		262	3.8	262	231	-	-	-	-	-	-	3	17	31	58
Hyperplasia of prostate		231	3.4	24	-	-	-	-	-	-	-	30	44	54	8
Prostatitis		611	24	-	-	-	-	-	-	-	-	4	4	6	3

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										90 and Over	Not Stated	
					Under 1	5	10	15	20	25	30	35	40	45	50		
Infections of skin and subcutaneous tissue (continued)					-	-	-	-	-	-	-	-	-	-	-	-	-
Other cellulitis and abscess with lymphangitis	693.6	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Other local infections of skin and subcutaneous tissue	698	2	0.0	1	1	-	-	-	-	-	-	-	-	-	-	1	-
Other diseases of skin and subcutaneous tissue (700-716)					-	-	-	-	-	-	-	-	-	-	-	-	-
Eczema	701	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Other dermatitis, due to other specified agents	703.6	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	2	-
Emphysema, other	704.1	9	0.1	2	7	-	-	-	-	-	-	-	-	-	-	2	-
Erythemas on conditions	705	9	0.1	4	5	-	-	-	-	-	-	-	-	-	-	2	-
Erythema multiforme (erythema iritis)	.1	1	0.1	1	4	-	-	-	-	-	-	-	-	-	-	1	-
Lupus erythematosus	.4	5	0.0	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Other and unqualified	.5	3	0.0	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Other hypertrophic and atrophic conditions of skin	710	6	0.1	1	4	-	-	-	-	-	-	-	-	-	-	1	-
Selerosis and dermatosclerosis	.0	5	0.1	1	4	-	-	-	-	-	-	-	-	-	-	1	-
Keloid scar	.4	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	1	-
Diseases of sweat glands	714.0	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	1	-
Chronic ulcer of skin	715	16	0.2	11	5	-	-	-	-	-	-	-	-	-	-	1	-
XII Diseases of the bones and organs of movement					-	-	-	-	-	-	-	-	-	-	-	-	-
Arthritis and rheumatism, except rheumatic fever (720-727)					-	-	-	-	-	-	-	-	-	-	-	-	-
Acute arthritis due to pyogenic organisms	720	2	0.0	1	56	-	-	-	-	-	-	-	-	-	-	3	-
Rheumatoid arthritis (arthrosis)	722.0	59	0.9	28	31	-	-	-	-	-	-	-	-	-	-	2	-
Osteo-arthritis (arthrosis)	723.0	23	0.3	8	15	-	-	-	-	-	-	-	-	-	3	-	
Arthritis, unspecified	725	20	0.3	11	9	-	-	-	-	-	-	-	-	-	1	-	
Muscular rheumatism, torticollis not specified as congenital, psychogenic, or traumatic	726.2	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Osteomyelitis and other diseases of bone and joint (730-738)					-	-	-	-	-	-	-	-	-	-	-	-	-
Osteomyelitis and periostitis	730	7	0.1	15	7	-	-	-	-	-	-	-	-	-	-	1	-
Acute osteomyelitis	.0	2	0.0	1	1	-	-	-	-	-	-	-	-	-	-	1	-
Chronic osteomyelitis	.1	4	0.1	3	1	-	-	-	-	-	-	-	-	-	3	-	
Unspecified osteomyelitis	.2	2	0.0	1	1	-	-	-	-	-	-	-	-	-	1	-	
Osteitis deformans	731	5	0.1	3	2	-	-	-	-	-	-	-	-	-	1	-	
Other diseases of bone	733	7	0.1	5	2	-	-	-	-	-	-	-	-	-	1	-	
Displacement of intervertebral disc	735	1	0.0	1	1	-	-	-	-	-	-	-	-	-	1	-	
Ankylosis of joint, hip	737.5	1	0.0	1	1	-	-	-	-	-	-	-	-	-	1	-	
Other diseases of musculokeletal system (740-749)					-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of muscle, tendon, and fascia	744	30	0.4	17	13	-	-	-	-	-	-	-	-	-	2	-	
Myasthenia gravis	.2	27	0.4	15	12	-	-	-	-	-	-	-	-	-	2	-	
Inborn defect of muscle	.1	9	0.1	3	6	-	-	-	-	-	-	-	-	-	1	-	
Curvature of spine	745	18	0.3	12	6	-	-	-	-	-	-	-	-	-	1	-	
Other deformities	749	1	0.0	1	1	-	-	-	-	-	-	-	-	-	1	-	
XIV Congenital malformations					-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)					-	-	-	-	-	-	-	-	-	-	-	-	-
Monstrosity	750	53	0.8	24	29	52	1	-	-	-	-	-	-	-	-	-	-
Spina bifida and meningocele	751	100	1.5	43	57	89	8	1	2	-	-	-	-	-	-	-	-
Congenital hydrocephalus	752	75	1.1	37	56	13	2	-	-	-	-	-	-	-	-	-	-
Other congenital malformations of nervous system and sense organs	753.1	32	0.5	13	19	20	9	1	2	-	-	-	-	-	1	-	-
Congenital malformations of circulatory system	754	416	6.1	244	172	304	36	8	11	9	7	6	4	-	-	-	-
Tetralogy of Fallot	.0	27	0.4	14	13	18	3	1	2	-	-	-	-	-	1	-	-
Patent ductus arteriosus (patent ductus)	.1	16	0.3	10	11	12	5	1	3	-	-	-	-	-	1	-	-
Interventricular septal defect	.2	24	0.4	13	11	15	3	1	3	-	-	-	-	-	1	-	-
Interauricular septal defect	.3	26	0.4	16	10	22	3	8	1	-	-	-	-	-	3	-	-
Other and unspecified malformations of heart	.4	272	4.0	162	110	222	19	7	1	-	-	-	-	-	2	-	-
Coarctation of aorta	.5	11	0.2	6	5	10	5	1	3	-	-	-	-	-	1	-	-
Other circulatory malformations	.6	38	0.6	28	19	5	1	3	2	-	-	-	-	-	1	-	-
Cleft palate and harelip	755	4	0.1	3	1	3	1	1	1	-	-	-	-	-	1	-	-
Congenital malformations of digestive system					-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations of bone and joint	756	115	1.7	73	42	100	1	-	-	-	-	-	-	-	2	-	-
Congenital malformations of skull and brain	.0	13	0.2	9	4	13	-	-	-	-	-	-	-	-	1	-	-
Congenital malformations of genito-urinary system	.1	13	0.2	9	4	13	-	-	-	-	-	-	-	-	2	-	-
Imperforate anus	.2	99	1.3	55	34	74	10	1	2	-	-	-	-	-	3	-	-
Other	757	69	1.0	43	26	22	2	1	1	-	-	-	-	-	7	1	-
Congenital malformations of genito-urinary system					-	-	-	-	-	-	-	-	-	-	-	-	-
Polycystic disease of kidney	.3	28	0.4	18	10	15	1	1	1	-	-	-	-	-	1	-	-
Congenital malformations of bone and joint	758	10	0.1	3	7	4	2	1	1	-	-	-	-	-	3	-	-
Chondrodermatrophy	.1	4	0.1	1	1	1	1	1	1	-	-	-	-	-	2	-	-
Congenital malformations of skull and brain	.2	4	0.1	1	1	1	1	1	1	-	-	-	-	-	3	-	-
Congenital abnormalities of lumbosacral region	.6	1	0.0	1	1	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)

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

TABLE TB - DEATHS BY DETAILED LIST OF CAUSES, SEX, AND AGE (continued)

CAUSE OF DEATH	Int. List No.	Total Number	Sex Rate	AGE IN YEARS								Not Stated								
				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
Other accidents (continued)																				
Foreign body entering eye and adnexa, farm	E920.1	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inhalation and ingestion of food causing obstruction or suffocation	E921.0	75	1.1	49	26	53	12	9	1	2	1	1	1	1	1	1	1	1	1	1
Home		50	0.7	32	18	37	9	4	2	4	1	1	1	1	1	1	1	1	1	1
Resident institution		.7	6	0.1	4	2	4	-	1	1	-	1	1	1	1	1	1	1	1	1
Other specified places		.8	1	0.1	-	1	1	-	1	2	-	1	1	1	1	1	1	1	1	1
Place not specified		.9	18	0.3	13	5	12	2	-	1	-	1	1	1	1	1	1	1	1	1
Inhalation and ingestion of other object causing obstruction or suffocation	E922.0	14	0.2	9	5	11	2	-	-	-	1	-	1	1	1	1	1	1	1	1
Home		8	0.1	5	3	7	1	-	-	-	-	-	1	1	1	1	1	1	1	1
Place not specified		.9	6	0.1	4	2	4	-	-	-	-	1	-	1	1	1	1	1	1	1
Foreign body entering other orifice, place not specified	E923.9	7	0.1	4	3	-	3	-	-	-	-	-	-	-	-	-	-	1	1	1
Mechanical suffocation in bed and cradle	E924.0	67	0.9	35	32	65	1	1	-	-	-	-	-	-	-	-	-	1	1	1
Home		62	0.9	32	30	62	-	1	1	1	-	-	-	-	-	-	-	1	1	1
Resident institution		.7	2	0.0	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Other specified places		.6	1	0.0	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.9	2	0.0	1	1	2	-	-	-	-	-	-	-	-	-	-	1	1	1
Mechanical suffocation in other and unspecified circumstances	E925.0	17	0.2	10	7	6	1	1	2	1	1	-	1	-	1	-	1	1	1	1
Home		15	0.1	4	1	1	1	-	1	1	1	-	1	-	1	-	1	1	1	1
Mine and quarry		.2	1	0.0	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Street and highway		.5	1	0.0	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Other specified places		.4	4	0.1	3	1	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.9	6	0.1	1	5	4	-	-	-	-	-	-	-	-	-	-	1	1	1
Caused by bites and stings of venomous animals and insects, place not specified	E927.9	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Caused by animals	E928.0	6	0.1	5	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Farm		4	0.1	4	1	1	1	-	-	-	-	-	-	-	-	-	-	1	1	1
Place for recreation and sport		.4	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.9	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Drowning and submersion	E929.0	225	3.3	192	33	34	-	5	-	5	-	-	-	-	-	-	-	3	2	2
Home		8	0	8	0.1	7	1	-	1	1	1	-	1	-	1	-	1	1	1	1
Farm		.1	2	0.1	2	0	2	-	1	1	-	1	-	1	-	1	-	1	1	1
Mine and quarry		.2	13	0.2	10	3	-	1	5	3	2	-	1	-	1	-	1	1	1	1
Place for recreation and sport		.4	7	0.1	7	3	-	1	1	1	3	1	-	1	-	1	-	1	1	1
Street and highway		.5	3	0.1	3	1	-	1	1	1	1	-	1	-	1	-	1	1	1	1
Other specified places		.8	186	2.7	157	29	-	18	28	28	14	11	5	9	6	6	6	1	1	1
Place not specified		.9	6	0.1	6	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1
High and low air pressure, other specified places	E930.8	2	0.0	2	16	12	-	1	1	1	1	1	1	1	1	1	1	2	1	1
E931.0	3	0.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Home		4	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place for recreation and sport		.4	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Other specified places		.8	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.9	23	0.3	11	12	2	-	-	-	-	-	-	-	-	-	-	1	1	1
Excessive cold	E932.0	10	0.1	8	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Street and highway		.5	5	0.1	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Other specified places		.9	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.4	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Hunger, thirst, and exposure	E933.0	33	0.5	13	20	-	4	-	4	-	5	4	-	1	1	-	2	1	1	1
Street and highway		1.7	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.8	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Cataclysm	E934.0	128	1.9	58	70	55	18	18	11	7	6	10	7	6	5	5	4	1	1	1
Home		88	1.3	39	49	5	13	10	7	5	3	4	7	3	4	4	1	1	1	1
Farm		1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place for recreation and sport		.5	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Street and highway		.5	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Resident institution		.5	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Other specified places		.8	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Lightning	E935.0	6	0.1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Home		1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place for recreation and sport		.4	1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Street and highway		.5	2	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.9	1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Other and unspecified accidents	E936.0	50	0.7	42	6	3	-	1	-	-	-	-	-	-	-	-	-	1	1	1
Home		12	0.2	10	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Farm		3	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Mine and quarry		1.2	1	0.0	7	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Industrial place and premises		3	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Place not specified		.6	3	0.0	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Public building		.7	3	0.0	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Resident institution		.8	3	0.0	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Other specified places		.9	15	0.2	13	2	-	-	-	-	-	-	-	-	-	-	-	1	1	1

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

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE

MICHIGAN, 1953

(Exclusive of fetal deaths. Causes of death classified according to Sixth Revision of International List, 1948, 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.)

AREA	All Causes	T U B E R C U L O S I S		S Y P H I L I S		A L L O T H E R D I S E A S E S	
		Total	A 1 Respiratory system	A 6 Congenital syphilis	A 9 General palsey-sis insane	A 10 All other syphilitis	A 11 Gonococcal infection
STATE	62,087	607	536	-	39	182	4
ALCONA	69	-	2	-	1	-	-
ALGER	116	2	2	-	1	-	-
Munising	43	2	2	-	1	-	-
Balance of County	73	-	-	-	-	-	-
ALLIANCE	518	-	-	-	-	-	-
Allegan	66	45	36	-	-	-	-
Ossipee	36	-	-	-	-	-	-
Plainwell	371	-	-	-	-	-	-
Balance of County	-	-	-	-	-	-	-
ALPENA	225	2	2	-	-	-	-
Alpena	139	1	1	-	-	-	-
Balance of County	86	-	-	-	-	-	-
ANTHILL	145	-	-	-	-	-	-
ARENAC	102	2	2	-	-	-	-
BADAGA	100	-	-	-	-	-	-
BARRY	308	-	-	-	-	-	-
Hastings	77	-	-	-	-	-	-
Balance of County	231	-	-	-	-	-	-
BAY	933	8	6	-	-	-	-
Bay City	639	6	6	-	-	-	-
Escanaba	33	-	-	-	-	-	-
Balance of County	261	2	2	-	-	-	-
BENzie	97	-	-	-	-	-	-
BERrien	1,266	8	7	-	-	-	-
Benton Harbor	218	2	2	-	-	-	-
Niles	151	-	-	-	-	-	-
St. Joseph	128	-	-	-	-	-	-
Buchanan	58	1	1	-	-	-	-
Balance of County	730	5	4	-	-	-	-
BRANCH	325	1	-	-	-	-	-
Coldwater	114	1	-	-	-	-	-
Balance of County	211	-	-	-	-	-	-
CALHOUN	1,228	8	7	-	-	-	-
Battie Creek	599	6	5	-	-	-	-
Balance of County	294	2	2	-	-	-	-
ALBION	106	-	-	-	-	-	-
MARSHALL	74	-	-	-	-	-	-
Balance of County	449	2	2	-	-	-	-
CASS	377	4	4	-	-	-	-
Dowagiac	83	-	-	-	-	-	-
Balance of County	294	-	-	-	-	-	-
CHARLEVOIX	168	-	-	-	-	-	-
Boyne City	46	-	-	-	-	-	-
Charlevoix	38	-	-	-	-	-	-
BALANCE OF COUNTY	86	-	-	-	-	-	-
CHEYEGAN	158	1	1	-	-	-	-
Cheboygan	71	1	1	-	-	-	-
Balance of County	67	-	-	-	-	-	-
CHIPPETA	310	3	3	-	-	-	-
Sault Ste. Marie	199	-	-	-	-	-	-
Balance of County	111	3	3	-	-	-	-
CLARE	113	1	1	-	-	-	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

		T U B E R C U L O S I S		S Y P H I L I S			
AREA	All Causes	Total	A 1 Respiratory system	A 2 Meninges & central nervous system	A 3 Intestines, perit-	A 4 Bones & joints	A 5 All other forms
CLINTON	296	-	-	-	-	-	-
St. Johns	50	-	-	-	-	-	-
Balance of County	246	-	-	-	-	-	-
CRAWFORD	54	-	-	-	-	-	-
DELAWARE	354	2	2	1	1	1	1
Escanaba	162	-	-	-	-	-	-
Gladstone	55	-	-	-	-	-	-
Balance of County	137	2	2	1	1	1	1
DICKINSON	225	6	5	1	1	1	1
Iron Mountain	102	1	1	1	1	1	1
Kingsford	43	1	1	1	1	1	1
Norway	33	-	-	-	-	-	-
Balance of County	47	4	4	1	1	1	1
EATON	438	1	1	1	1	1	1
Charlotte	79	-	-	-	-	-	-
Eaton Rapids	49	1	1	1	1	1	1
Grand Ledge	60	-	-	-	-	-	-
Balance of County	250	2	2	1	1	1	1
EMMET	175	2	2	1	1	1	1
Petoskey	78	1	1	1	1	1	1
Balance of County	97	1	1	1	1	1	1
GENESEE	2,497	15	13	10	8	1	1
Flint	1,537	11	9	7	5	1	1
Fenton	56	-	-	-	-	-	-
Mount Morris	34	-	-	-	-	-	-
Balance of County	870	4	4	2	2	1	1
GLADWIN	94	-	-	-	-	-	-
GODFREY	348	5	5	3	2	1	1
Ironwood	145	2	2	1	1	1	1
Bessemer	54	-	-	-	-	-	-
Wakefield	37	-	-	-	-	-	-
Balance of County	112	1	1	1	1	1	1
GRAND TRAVERSE	249	-	-	-	-	-	-
Traverse City	147	-	-	-	-	-	-
Balance of County	102	-	-	-	-	-	-
GRATIOT	368	1	1	1	1	1	1
Alma	87	-	-	-	-	-	-
St. Louis	45	-	-	-	-	-	-
Balance of County	236	1	1	1	1	1	1
HILLSDALE	361	2	2	1	1	1	1
Hillsdale	75	1	1	1	1	1	1
BALANCE OF COUNTY	286	1	1	1	1	1	1
HURON	368	3	3	1	1	1	1
Bad Axe	31	-	-	-	-	-	-
Balance of County	337	2	2	1	1	1	1
HOUGHTON	553	2	2	1	1	1	1
Hancock	72	1	1	1	1	1	1
Houghton	49	-	-	-	-	-	-
Laurium	57	-	-	-	-	-	-
Balance of County	375	1	1	1	1	1	1
HILLSDALE	361	2	2	1	1	1	1
BALANCE OF COUNTY	286	1	1	1	1	1	1
HUNTINGTON	370	3	3	1	1	1	1
Hancock	31	-	-	-	-	-	-
Balance of County	339	3	3	1	1	1	1
INGHAM	1,477	9	7	4	3	2	2
Lansing	652	6	5	2	2	1	1
Mason	44	-	-	-	-	-	-
Balance of County	490	2	2	1	1	1	1
IONIA	378	2	2	1	1	1	1
Belding	47	-	-	-	-	-	-
Ionia	77	1	1	1	1	1	1
Portland	22	-	-	-	-	-	-
Balance of County	232	1	1	1	1	1	1

A13 All other infectious diseases
 acute & chronic

A34 Infectious hepatitis

A30 Late effects acute & chronic infections

A29 Acute infectious encephalitis

A28 Acute poliomyelitis

A26 Tetanus

A23 Whooping cough

A21 Diphtheria

A20 Septicemia & pyrexia

A19 Erysipelas

A18 Streptococcal sore throat

A17 Scarlet fever

A16 Dysentery, all forms

A11 Gonococcal infection

A10 All other syphilis

A 6 Congenital syphilis

A 9 General paralysis

A 8 Tabes dorsalis

A 5 All other forms

A 4 Bones & joints

A 3 Intestines, peritoneum & mesenteric glands

A 2 Meninges & central nervous system

A 1 Respiratory system

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 6 - 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		A D D I T I O N A L C A U S E S	
		Total	Respiratory system	Total	Gonococcal infection	Total	Other syphilis
NECOSTA Big Rapids	188 63	2 1	1	1	1	1	1
Balance of County	125	1	1	1	1	1	1
LEONINE Menominee	253 120	2 2	2	2	1	1	1
Balance of County	133	1	1	1	1	1	1
MIDLAND Midland	244 113	2 1	1	1	1	1	1
Balance of County	131	2	1	1	1	1	1
MISSAUKEE	70	-	-	-	-	-	-
MONROE Monroe	714 210	6 5	5	5	1	1	1
MILAN (Part)	13	1	1	1	1	1	1
Balance of County	491	5	4	4	1	1	1
MONTGOMRY Greenville	421 96	4 1	2	2	1	1	1
Balance of County	325	3	2	2	1	1	1
MONTMORENCY	32	-	-	-	-	-	-
MUSKEGON Muskegon Heights	1,138 527	10 4	9 3	9 3	1	1	1
Balance of County	150 461	3 3	2 2	2 2	1	1	1
NEWAYGO Fremont	248 41	1	1	1	1	1	1
Balance of County	207	1	1	1	1	1	1
OAKLAND Pontiac	3,345 652	18 3	16 3	16 3	2	2	2
Ferndale	256	-	-	-	-	-	-
Royal Oak	405	3	3	3	1	1	1
Berkley	112	2	2	2	1	1	1
Birmingham	169	1	1	1	1	1	1
Hazel Park	146	-	-	-	-	-	-
Cleawon	54	-	-	-	-	-	-
Holly	37	-	-	-	-	-	-
Huntington Woods	37	-	-	-	-	-	-
Northville (Part)	-	-	-	-	-	-	-
Oak Park	50	-	-	-	-	-	-
Pleasant Ridge	32	-	-	-	-	-	-
Rochester	61	9	7	7	2	2	2
Balance of County	1,312	-	-	-	-	-	-
OCEANA	186	1	1	1	1	2	2
OGEAMAN	112	-	-	-	-	-	-
ONTONAGON	135	-	-	-	-	-	-
OSCEOLA	194	2	2	2	2	2	2
OSCODA	28	-	-	-	-	-	-
OTTAWA Holland	664 168	3 3	3 3	3 3	1	1	1
Zeeland	99	-	-	-	-	-	-
Balance of County	370	-	-	-	-	-	-
PESQUE ISLE Rogers City	98 30	-	-	-	-	-	-
Balance of County	68	-	-	-	-	-	-
ROSCOMON	69	2	2	2	2	2	2

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	All Causes	TUBERCULOSIS		SYPHILIS		Total	
		Residence	Total	Residence	Total		
SAGINAW Balance of County	1,565 96 597	8 4 4	7 3 4	6 2 4	9 2 1	A10 All other syphilitis	
ST. CLAIR Port Huron Algoma Marine City Marysville St. Clair Balance of County	1,070 440 39 20 75 457	3 3 1 1 2 1	3 1 1 1 2 3	3 1 3 1 2 3	6 2 4 1 1 3	A11 Gonococcal infection	
ST. JOSEPH Saginaw Three Rivers Balance of County	418 97 83 238	1 1 1 1	4 1 1 3	4 1 1 3	4 1 1 3	A12 Scarlet fever	
SANILAC	346	2	2	-	-	A13 Diphtheria	
SCHOOLCRAFT Manistie Balance of County	107 66 41	1 1 1	4 1 1	4 1 1	4 1 1	A14 Whooping cough	
SHIAWASSEE	496	1	1	-	-	A15 Dysentery, all forms	
Oceango Durand Balance of County	159 40 297	1 1 1	4 1 1	4 1 1	4 1 1	A16 Streptococcal septic thromb-	
TUSCOLA	433	1	1	-	-	A17 Scarlet fever	
Caro Vassar Balance of County	47 38 348	1 1 1	4 1 1	4 1 1	4 1 1	A18 Streptococcal septic thromb-	
VAN BUREN South Haven Balance of County	523 69 455	3 1 3	5 1 5	5 1 5	5 1 5	A19 Enteritis	
WASHTENAW Ann Arbor Ypsilanti Chelsea Milan (Part) Balance of County	1,046 350 164 49 23 440	5 5 2 1 1 2	5 5 2 1 1 2	5 5 2 1 1 2	6 5 3 1 1 2	A20 Late effects acute poliomyelitis & encephalitis	
WAYNE	22,641 17,781	365 301	9 7	3 4	4 2	A21 Acute poliomyelitis encephalitis	
Detroit Dearborn Hamtramck Highland Park Lincoln Park Wardone Allen Park Beaumont Grosse Pte. Park Grosse Pte. Woods Inkster Livonia River Rouge Garden City Grosse Pte. Melvindale Northville (Part) Plymouth Trenton Wayne Balance of County	1,202 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166 1,166	15 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 2 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	20 17 25 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A22 Measles A23 Meningococcal infections
WEYBROOK Cadillac Balance of County	2,23 134 98	2 2 1	3 3 1	1 1 1	1 1 1	A24 Infectious hepatitis	
WEXFORD Bal	1	1	1	1	1	A25 All other infectious diseases	

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	STATE	MALIGNANT NEOPLASMS										A75 Gastrorect
		A74 Intercurrent diseases of eye	A73 Epilepsy	A72 Multiple sclerosis	A71 Nonmalignant neoplasms	A70 Vasculitis Lesions affecting central nervous system	A69 Mental deficiency	A68 Psychoneuroses of personality	A67 Psychoses	A66 Allergic disorders; allergic crises	A65 Anemias	
ALCONA	15	-	2	1	1	1	1	1	1	1	1	1
ALGER	17	-	5	-	4	-	1	1	1	1	1	1
Muskingum	6	-	3	-	1	-	1	1	1	1	1	1
Balance of County	11	-	10	4	4	11	2	1	1	1	1	1
ALLEGAN	73	-	1	1	2	1	1	1	1	1	1	1
Allegan	5	-	2	1	1	1	1	1	1	1	1	1
Ottoson	5	-	1	1	1	1	1	1	1	1	1	1
Plainwell	51	-	14	3	2	7	1	4	1	1	1	1
Balance of County	51	-	6	2	2	3	3	2	1	1	1	1
ALPENA	32	-	10	4	2	2	3	1	1	1	1	1
Alpena	22	-	1	1	1	1	1	1	1	1	1	1
Balance of County	10	-	2	1	1	1	1	1	1	1	1	1
ANTILIN	21	-	6	3	2	1	1	2	1	1	1	1
AREADAC	19	-	2	3	1	1	1	1	1	1	1	1
BARAGA	18	-	1	1	3	1	1	1	1	1	1	1
BARRY	31	-	1	3	2	1	1	1	1	1	1	1
Hastings	11	-	1	1	1	1	1	1	1	1	1	1
Balance of County	20	-	1	1	1	1	1	1	1	1	1	1
BAY	129	3	2	11	15	6	6	16	7	2	3	1
Bay City	60	-	2	9	10	3	2	11	5	1	1	1
Esserville	5	-	1	1	1	1	1	2	1	1	1	1
Balance of County	36	-	2	4	3	1	1	4	5	2	1	1
BENZIE	8	-	2	1	1	1	1	1	1	1	1	1
BERRIEN	199	4	20	25	6	5	22	17	4	3	17	1
Benton Harbor	18	1	3	3	2	1	1	1	1	1	1	1
Miles	35	1	2	2	1	1	1	1	1	1	1	1
St. Joseph	25	-	3	1	2	1	1	1	1	1	1	1
Buchanan	7	-	1	1	1	1	1	1	1	1	1	1
Balance of County	114	3	11	16	3	3	12	12	2	1	1	1
BRANCH	45	3	-	1	4	5	-	8	4	-	1	1
Coldwater	12	-	1	1	4	3	-	2	2	-	1	1
Balance of County	33	3	-	1	4	3	-	6	4	-	1	1
CASS	49	-	1	9	8	1	-	16	19	5	9	2
Bowditch	11	-	1	6	1	1	-	10	12	4	16	1
Balance of County	38	3	8	7	4	-	2	1	1	1	1	1
CHARLEVOIX	19	-	3	2	-	1	-	4	1	1	1	1
Boyne City	4	-	1	1	1	1	-	1	1	1	1	1
Charlevoix	4	-	1	1	1	1	-	1	1	1	1	1
Balance of County	11	-	1	2	1	1	-	1	1	1	1	1
CHEBOYGAN	27	1	1	5	3	1	-	3	1	1	1	1
Cheboygan	12	1	1	1	2	1	-	1	1	1	1	1
Balance of County	15	-	1	2	1	1	-	1	1	1	1	1
CHIPPENA	43	1	2	5	3	1	-	6	3	2	2	1
Sault Ste. Marie	28	-	1	1	2	1	-	1	1	1	1	1
Balance of County	15	-	1	2	1	1	-	1	1	1	1	1
CLARE	16	-	2	1	1	1	-	1	1	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS	
	Number of Deaths	Percentage
CLINTON St. Johns Balance of County	8	1
CRAWFORD	28	1
DELTA Escanaba Gladstone Balance of County	15	1
DICKINSON Iron Mountain Kingsford Norway Balance of County	60	1
EATON Charlotte Eaton Rapids Grand Ledge Balance of County	31	1
EMMETT Petoskey Balance of County	22	1
GENESEE Flint Fenton Mount Morris Balance of County	36	1
GLAZIER Balance of County	9	1
GODERIC Ironwood Benton Wakefield Balance of County	31	1
GRETTON Alma St. Louis Balance of County	16	1
HILLSDALE Hillsdale Balance of County	53	1
HOUGHTON Hancock Lauium Balance of County	64	1
HURON Bad Axe Balance of County	51	1
INGHAM Lansing East Lansing Mason Balance of County	133	1
IONIA Balding Ionia Periland Balance of County	3	1
TOTAL	36	1
AT5 Cataract	-	-
AT6 Inflammation of eye	-	-
AT7 Epilepsy	-	-
AT8 Multiple sclerosis	-	-
AT9 Nervous system	-	-
AT10 Vasculitis lesions of central nervous system	32	5
AT11 Mental degeneracy	-	-
AT12 Psychoneuroses of personality	6	1
AT13 Psychoses	1	1
AT14 Allergic disorders: entire body	5	1
AT15 Arthritis	-	-
AT16 Diseases of blood	-	-
AT17 Other effluvia	-	-
AT18 Diseases without goiter	1	1
AT19 Non toxic goiter	-	-
AT20 Benign neoplasms - specific nature	2	1
AT21 Lipomatosis	9	1
AT22 Thymotaxis with or without goiter	1	1
AT23 Diabetes mellitus	1	1
AT24 Atypical infections of other effluvia	1	1
AT25 Diseases of skin	1	1
AT26 Bone & connective tissue	-	-
AT27 All other & unspecified sites	3	1
AT28 Leukemia	15	1
AT29 Lymphosarcoma	1	1
AT30 Tuberous sclerosis	2	1
AT31 Malignant lymphoma	1	1
AT32 Diphtheria	1	1
AT33 Other & unspecified diseases of heart	1	1
AT34 Prostate	1	1
AT35 Other & unspecified diseases of lungs	1	1
AT36 Trachea, bronchi & lung as secondary site	1	1
AT37 Larynx	1	1
AT38 Rectum	1	1
AT39 Intestine, except rectum	1	1
AT40 Stomach	1	1
AT41 Esophagus	1	1
AT42 Cecal cavity	1	1
AT43 Bronchitis	1	1
AT44 Diarrhea	1	1
AT45 Enteritis	1	1
AT46 Appendicitis	1	1
AT47 Peritonitis	1	1
AT48 Uremia	1	1
AT49 Hemorrhage	1	1
AT50 Urticaria	1	1
AT51 Cellulitis	1	1
AT52 Cervix uteri	1	1
AT53 Other & unspecified parts of uterus	1	1
AT54 Skin	1	1
AT55 Bone & connective tissue	1	1
AT56 Leukemia	1	1
AT57 All other & unspecified sites	1	1
AT58 Malignant melanoma	1	1
AT59 Lymphosarcoma	1	1
AT60 Benign neoplasms - specific nature	1	1
AT61 Non toxic goiter	1	1
AT62 Thyroidosis with or without goiter	1	1
AT63 Diabetes mellitus	1	1
AT64 Atypical infections of other effluvia	1	1
AT65 Allergic disorders: entire body	1	1
AT66 Arthritis	1	1
AT67 Psychoses	1	1
AT68 Psychoneuroses of personality	1	1
AT69 Mental degeneracy	1	1
AT70 Vasculitis lesions of central nervous system	26	1
AT71 Normoglycemia	5	1
AT72 Multiple sclerosis	1	1
AT73 Epilepsy	1	1
AT74 Inflammation of eye	1	1
AT75 Cataract	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	Total	MALIGNANT NEOPLASMS		
		Deaths	Rate per 100,000	
IRON	34	-	-	
Iron River	6	-	-	
Balance of County	28	-	-	
ISABELLA	32	-	-	
Mount Pleasant	16	-	-	
Balance of County	16	-	-	
JACKSON	168	2	12.6	
Jackson	104	2	12.0	
Balance of County	64	7	10.6	
KALAMAZOO	177	5	20.0	
Kalamazoo	98	3	17.6	
Balance of County	79	2	12.0	
KALKASKA	4	-	-	
KENT	501	10	45.1	
Grand Rapids	341	7	29.0	
E. Grand Rapids	12	4	20.0	
Balance of County	148	3	16.0	
KENNEBUNK	4	-	-	
LAKE	9	-	-	
LAPER	62	-	-	
Lapeer	10	-	-	
Balance of County	52	-	-	
LEBANON	10	-	-	
LENAWEE	99	1	-	
Ardian	7	-	-	
Hudson	3	-	-	
Tecumseh	64	-	-	
Balance of County	48	-	-	
LIVINGSTON	12	-	-	
Rowell	36	-	-	
Balance of County	8	-	-	
LUCE	1	-	-	
Newberry	1	-	-	
Balance of County	1	-	-	
MACKINAC	12	-	-	
Sr. Ignace	6	-	-	
Balance of County	6	-	-	
MACOMB	241	3	25.6	
East Detroit	27	-	-	
Mount Clemens	33	1	3.0	
Rosetile	17	-	-	
St. Clair Shores	29	-	-	
Centerline	16	-	-	
Romeo	5	-	-	
Balance of County	114	2	4.0	
MANISTEE	39	2	8.0	
Manistee	16	1	2.0	
Balance of County	21	2	6.0	
MARQUETTE	84	1	2.0	
Marquette	30	1	1.5	
Ishpeming	16	1	1.3	
Negaunee	17	1	1.1	
Balance of County	22	1	2.0	
MASON	21	-	-	
Ludington	11	-	-	
Balance of County	10	-	-	

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS											
	TOTAL			Buccal cavity & pharynx			Esophagus			Stomach		
NEOSA Big Rapids	28	-	-	3	3	-	2	1	2	-	1	-
Balance of County	19	-	-	3	2	-	1	1	2	-	1	-
NEOMINEE Menominee	45	1	-	7	1	2	3	-	1	3	-	-
Balance of County	22	-	-	6	1	1	2	-	1	1	-	-
NIKAN Midland	39	-	-	2	4	1	2	1	4	1	-	-
Balance of County	24	-	-	4	2	1	2	1	4	1	-	-
MISSA Missaukee	14	-	-	4	1	-	1	-	2	1	-	-
MONROE Monroe	117	3	1	12	11	8	-	14	9	5	-	-
Milan (Part)	33	-	-	1	2	4	-	6	3	2	-	-
Balance of County	3	-	-	1	9	4	-	6	6	3	-	-
MONTCALM Greenville	66	4	-	2	9	3	-	5	6	1	-	-
Balance of County	21	1	-	1	4	1	-	5	3	1	-	-
MONTGOMERY	45	-	-	3	2	1	-	2	1	1	-	-
MUSKEGON Muskegon Heights	147	2	2	14	9	6	2	10	5	3	-	-
Balance of County	77	-	-	1	6	3	-	3	1	1	-	-
NEWAGO Fremont	41	1	1	3	4	2	1	4	3	1	-	-
Balance of County	37	-	-	1	1	3	-	1	2	1	-	-
OAKLAND Pontiac	564	10	7	65	61	23	2	57	54	23	21	22
Ferndale	101	2	2	14	9	2	-	9	9	2	6	5
Royal Oak	48	-	8	3	1	1	-	6	7	4	1	1
Berkley	65	1	1	5	8	3	-	3	1	2	1	1
Birmingham	23	1	-	2	2	2	-	2	1	1	1	1
Hazel Park	26	-	-	1	4	1	-	3	3	1	1	1
Clawson	19	-	-	1	2	1	-	1	1	1	1	1
Holly	4	-	-	1	1	1	-	1	1	1	1	1
Huntington Woods	10	1	-	1	1	1	-	1	1	1	1	1
Northville (Part)	12	-	-	1	1	1	-	1	1	1	1	1
Oak Park	12	-	-	1	2	1	-	1	1	1	1	1
Pleasant Ridge	7	-	-	1	1	1	-	1	1	1	1	1
Rochester	12	-	-	1	4	1	-	2	1	1	1	1
Balance of County	224	4	2	25	31	11	1	16	22	10	7	10
OCEANA	18	-	1	3	1	-	-	1	2	-	1	-
OGEMIAN	11	-	-	1	-	-	-	1	1	-	1	-
ONTONAGON	15	-	-	1	1	-	-	1	1	-	1	-
OSCEOLA	25	-	3	4	2	1	-	1	2	-	1	-
OTTAWA Holland	117	1	14	11	3	1	13	15	3	3	40	3
Grand Haven	30	1	1	5	2	1	1	3	2	1	12	1
Zeehand	16	-	1	1	1	1	-	6	1	3	5	1
Balance of County	7	-	7	6	1	1	-	11	6	1	20	1
PESQUE ISLE Rivers City	62	-	-	1	3	2	-	1	1	5	1	-
Balance of County	16	1	-	1	2	1	-	1	1	1	4	-
ROSCOMMON	10	-	-	1	1	-	-	1	1	1	1	-
	15	-	-	1	1	-	-	1	1	1	1	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS				
		AT&T CATHERACT			
SAGINAW Balance of County	242	4	2	20	31
ST. CLAIR Port Huron	153	2	1	19	6
Algonac	57	4	2	16	7
Marysville	7	-	1	17	9
St. Clair	9	-	1	17	2
Three Rivers	3	-	1	12	2
BALANCE OF COUNTY	63	-	2	7	-
SANTIAC	53	1	-	14	1
Sturgis	14	-	-	14	1
BALANCE OF COUNTY	29	-	-	14	-
SHILOH Owosso	70	1	-	10	6
Durand	29	-	-	7	-
BALANCE OF COUNTY	39	-	-	7	-
TUSCOLA Caro	56	3	-	10	1
Vassar	3	-	-	4	3
BALANCE OF COUNTY	47	1	1	6	-
VAN BUREN South Haven	80	3	1	5	9
BALANCE OF COUNTY	71	3	1	5	6
WASHTENAW Ann Arbor	152	2	3	23	4
Ypsilanti	49	1	1	4	8
Chelsea	21	-	1	4	1
Minn (Gart)	13	-	1	4	1
BALANCE OF COUNTY	66	1	1	9	2
WAYNE Detroit	3,948	87	91	320	303
Hartland	3,119	67	76	326	304
Highland Park	140	5	2	22	12
Lincoln Park	96	3	1	10	14
Wyandotte	38	-	7	1	7
Allen Park	60	2	1	5	3
Ecorse	20	1	-	1	1
Grosse Pte. Park	15	1	1	1	1
Grosse Pte. Woods	15	-	4	1	1
Inkster	17	-	1	1	1
Livonia	25	1	2	3	2
River Rouge	31	-	3	5	5
Garden City	15	-	1	2	2
Grosse Pte. Farms	23	-	1	4	1
Melvindale (Part)	16	-	1	1	1
Northville (Part)	12	-	1	1	1
Plymouth	2	-	1	1	1
Trenton	14	-	3	1	1
Wayne	19	-	4	15	14
BALANCE OF COUNTY	167	5	4	14	43
WEYBROOK Cadillac	36	-	1	1	6
BALANCE OF COUNTY	12	-	1	1	4

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	HEART DISEASE		PNEUMONIA		ALIO Intermediate obstruction 6 heparin
	Total	A 76 Glucoma	Total	A 86 Acute upper respiratory syndrome	
CLINTON	1	78	73	1	1
St. Johns	-	12	7	1	-
Balance of County	-	66	5	1	-
CRAWFORD	-	14	11	1	-
DELTA	3	102	59	7	-
Escanaba	1	43	26	17	-
Gladstone	-	19	9	3	-
Balance of County	-	40	24	16	-
DICKINSON	-	71	60	11	-
Iron Mountain	-	42	34	8	-
Kingsford	-	13	13	1	-
Norway	-	5	4	1	-
Balance of County	-	11	9	2	-
EATON	-	94	22	15	-
Charlotte	-	21	15	9	-
Eaton Rapids	-	15	12	3	-
Grand Ledge	-	10	4	2	-
Balance of County	-	49	14	9	-
EMMETT	-	79	643	578	-
Petoskey	-	20	409	380	-
Balance of County	-	11	10	7	-
GENESEE	-	29	34	3	-
Flint	-	14	14	2	-
Fenton	-	13	8	5	-
Mount Morris	-	9	2	6	-
Balance of County	-	40	31	9	-
GLADWIN	-	29	22	7	-
GOSECRIC	-	122	99	8	-
Ironwood	-	40	35	5	-
Bessemer	-	29	25	4	-
Wakefield	-	13	8	5	-
Balance of County	-	5	2	6	-
GRAND TRAVERSE	-	90	83	65	-
Traverse City	-	52	40	12	-
Balance of County	-	31	25	6	-
HILLSDALE	-	5	87	73	-
Hilldale	-	16	16	14	-
Balance of County	-	5	71	57	-
HOUGHTON	-	5	181	146	-
Hancock	-	24	20	14	-
Laurium	-	16	13	3	-
Balance of County	-	1	16	14	-
HURON	-	3	131	109	-
Bad Axe	-	11	11	8	-
Balance of County	-	5	75	61	-
INGHAM	-	3	143	5	-
Lansing	-	1	31	5	-
East Lansing	-	1	21	5	-
Mason	-	1	18	14	-
Balance of County	-	1	167	6	-
IONIA	-	2	129	5	-
Belding	-	1	19	1	-
Ionia	-	1	14	9	-
Portland	-	1	8	4	-
Balance of County	-	1	10	4	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	HEART DISEASE	PNEUMONIA										ALOQ Intermediate obstruction 6 bennia
		A92 Acute bronchitis	A93 Bronchitis, chronic 6 nonglucified	A94 Acute bronchitis of tonsils 6 adenoids	A95 Emphysema 6 abcesses of lung	A96 Pleurisy	A97 All other respiratory tract diseases	A98 Diseases of teeth 6 supporting structures	A99 Ulcer of stomach	ALOQ Ulcer of duodenum	ALOQ Gastritis 6 duodenitis	
ROSCO		2	37	29	6	6	2	1	4	4	-	-
IRON	Iron River	2	74	2	59	51	8	5	2	1	-	-
	Balance of County	26	2	18	16	2	4	1	2	2	1	-
ISABELLA		41	35	6	3	4	1	-	2	1	-	-
	Mount Pleasant	3	61	68	13	3	11	-	10	10	-	-
KALAMAZOO	Mount Pleasant of County	60	2	49	40	9	3	6	-	2	1	-
JACKSON	Jackson	2	414	13	383	293	40	12	56	8	37	1
	Balance of County	232	4	191	68	23	7	30	4	24	20	4
KALAMAZOO		9	142	125	17	5	26	4	13	11	2	1
KALAMAZOO	Kalamazoo	1	472	17	383	304	49	13	44	4	40	3
	Balance of County	242	6	206	175	31	7	23	3	19	16	1
KALASKA		1	105	11	147	129	18	6	21	20	1	-
KENT	Grand Rapids	2	1,059	23	892	725	167	44	100	23	112	92
	B. Grand Rapids	19	163	14	13	13	1	-	31	71	30	5
KENOSHA		5	292	5	247	187	60	13	27	6	23	19
LAKE		1	18	-	18	17	1	-	1	1	-	-
LAPER	Lapeer	-	38	2	26	18	6	5	5	-	-	-
	Balance of County	1	9	-	5	4	1	2	2	-	-	-
LEELANAU		4	38	2	26	18	6	5	5	-	-	-
LEONARD	Leonard	1	119	4	96	82	14	10	9	3	16	4
	Balance of County	1	22	-	19	15	4	1	2	2	2	-
LEONARDO		1	97	4	77	67	10	9	7	3	6	-
LEONARDO	Leonia	1	32	2	16	9	7	-	14	-	-	-
LEONARDO		1	6	224	3	187	147	40	13	5	20	16
LEONARDO	Leonia	1	63	1	49	38	11	5	6	2	4	3
LEONARDO		1	4	-	4	4	3	-	2	2	-	-
LEONARDO	Leonia	1	18	-	15	9	6	-	3	1	-	-
LEONARDO		5	139	2	119	97	22	6	10	3	13	10
LEONARDO	Leonia	3	115	4	100	66	14	7	4	4	13	10
LEONARDO		2	91	3	78	65	13	6	4	4	2	1
LEONE	Leone	1	30	-	25	17	8	1	4	-	-	-
	Balance of County	10	15	-	13	8	5	3	1	2	1	-
LEONARDO		1	15	-	12	9	3	1	2	-	-	-
LEONARDO	Leonia	1	15	-	12	9	3	1	2	-	-	-
LEONARDO		1	16	-	22	1	16	10	6	2	3	-
LEONARDO	Leonia	5	266	7	210	168	42	12	37	3	6	2
LEONARDO		1	115	1	106	96	9	2	7	1	2	-
LEONARDO	Leonia	1	54	1	52	47	5	1	1	2	-	-
LEONARDO		1	61	1	53	49	4	1	6	-	-	-
LEONARDO	Leonia	1	176	7	129	97	32	27	13	4	12	11
LEONARDO		5	69	3	49	42	26	76	6	17	12	5
LEONARDO	Leonia	1	75	1	57	41	16	3	14	4	3	1
LEONARDO		1	45	5	28	37	5	3	6	2	3	-
LEONARDO	Leonia	1	57	6	42	37	5	3	6	2	3	-
LEONARDO		2	1	22	1	16	10	4	3	1	1	-
LEONARDO	Leonia	1	16	14	10	4	1	1	1	1	1	-
LEONARDO		5	210	7	168	42	12	37	3	6	2	-
LEONARDO	Leonia	1	115	1	106	96	9	2	7	1	2	-
LEONARDO		1	54	4	34	24	10	13	3	1	1	-
LEONARDO	Leonia	1	101	91	42	55	10	3	7	-	2	-
LEONARDO		2	113	2	53	1	47	42	55	1	4	-
LEONARDO	Leonia	2	53	1	54	1	60	49	55	1	4	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

MATERIAL DEATHS	AREA	STATE	COUNTY	CONGENITAL MALFORMATIONS	
				AL121 Infec-tions of breast	AL122 Infec-tions of skin & subcutaneous tissue
		ALCONA	Balance of County	1	1
		ALGER	Manistique	1	1
		ALLIGAN	Allegan	1	1
			Otsego	1	1
			Plainwell	1	1
		ALPENA	Alpena	1	1
			Balance of County	1	1
		ANTHILL			
		ARENAC			
		BARRAGA			
		BARRY	Hastings		
		BAY	Bay City		
		BERrien	Benton Harbor		
		BELLEVILLE	Niles		
		BELVIDERE	St. Joseph		
		BELVOIR	Buchanan		
		BENDIX	Balance of County		
		BRANCH	Coldwater		
		BERGEN	Balance of County		
		BELMONT	Battle Creek		
		BELMONT	Albion		
		BELMONT	Marshall		
		BELMONT	Balance of County		
		CASS	Dowagiac		
			Balance of County		
		CHARLEVOIX	Boyne City		
		CHARLEVOIX	Charlevoix		
		CHIPPENAWA	Balance of County		
		CHIPPENAWA	Cheboygan		
		CHIPPENAWA	Balance of County		
		CLARE	Sault Ste. Marie		
		CLARE	Balance of County		

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

CONGENITAL MALFORMATIONS			
MATERIAL DEATHS	AREA	AL129 All other congenital malformations	
		Total	1
	IOSCO	AL127 Spina bifida	2
	IRON	C meningocele	2
	Iron River		1
	Balance of County		1
	ISABELLA	AL128 Congenital malformation of spine & musculo-skeletal system	1
	Mount Pleasant		1
	Balance of County		1
	JACKSON	AL126 All other diseases of skin & musculo-skeletal system	1
	Jackson	Deformities	1
	Balance of County		1
	KALAMAZOO	AL125 Ankylosis & degenerated joint	1
	Kalamazoo	Musculoskeletal deformities	1
	Balance of County		1
	AL124 Osteomyelitis		1
		Osteomyelitis	1
			1
	AL123 Muscular dystrophy		1
		Unspecified	1
			1
	AL122 Arthritis & spondyritis		1
		Arthritis	1
			1
	AL121 Inflammation of skin & subcutaneous tissue		1
		Inflammation	1
			1
	AL120 Abortion complications		1
		Abortions	1
			1
	AL119 Abortion with sepsis		1
		Sepsis	1
			1
	AL118 Abortion without complications		1
		Complications	1
			1
	AL117 Hemorrhage of pregnancy & prepregnancy		1
		Hemorrhage	1
			1
	AL116 Toxemias of pregnancy		1
		Prepregnancy	1
			1
	AL115 Sepsis of pregnancy		1
		Sepsis	1
			1
	AL114 Other diseases of pregnancy system		1
		System	1
			1
	AL113 Diseases of breast		1
		Breast	1
			1
	AL112 Hypoplasia of primary system		1
		Primary	1
			1
	AL111 Deafness of kidney		1
		Kidney	1
			1
	AL110 Infection of kidney		1
		Kidney	1
			1
	AL109 Chronic, unspecified nephritis		1
		Chronic	1
			1
	AL108 Acute nephritis		1
		Nephritis	1
			1
	AL107 Other diseases of digestive system		1
		Digestive	1
			1
	AL106 Cholelithiasis		1
		Cholelithiasis	1
			1
	AL105 Cataracts of eye		1
		Cataracts	1
			1
	AL104 Gastro-enteritis		1
		Gastro-enteritis	1
			1
	AL103 Colitis, except diarrhea of newborn		1
		Diarrhea	1
			1
	LAKE		1
	LAPER		1
	Lapeer		1
	Balance of County		1
	KALASKA		1
	Balance of County		1
	KENT		1
	Grand Rapids		1
	E. Grand Rapids		1
	Balance of County		1
	KENOSHA		1
	Balance of County		1
	LAKE		1
	LEELANAU		1
	LENAWEE		1
	Adrian		1
	Hudson		1
	Tecumseh		1
	Balance of County		1
	LIVINGSTON		1
	Howell		1
	Balance of County		1
	MACKINAC		1
	St. Ignace		1
	Balance of County		1
	MACOMB		1
	East Detroit		1
	Mount Clemens		1
	Roseville		1
	St. Clair Shores		1
	Centerline		1
	Romeo		1
	Balance of County		1
	MANISTEE		1
	Manistee		1
	Balance of County		1
	MARQUETTE		1
	Marquette		1
	Ishpeming		1
	Englewood		1
	Balance of County		1
	MASON		1
	Ludington		1
	Balance of County		1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	Nephritis & Nephrosis	MATERNAL DEATHS		CONGENITAL MALFORMATIONS	
		Total	Other diseases of gestation	Total	All other congenital malformations
MECOSTA	592-594 Chronic nephritis 6 nephritis, including edema, etc.	5	1	1	1
Big Rapids		1	1	1	1
Balance of County		4	1	4	2
MENOMINEE	591 Nephritis	1	1	1	1
Milwaukee		1	1	1	1
Balance of County		1	1	1	1
MIDLAND	591 Nephritis, except those with edema, etc.	1	1	1	1
Midland		1	1	1	1
Balance of County		1	1	1	1
MISSOURIE	591 Nephritis, except those with edema, etc.	1	1	1	1
Greenville		1	1	1	1
Balance of County		1	1	1	1
MONROE	592-594 Chronic nephritis 6 nephritis, including edema, etc.	5	1	1	1
Monroe		1	1	1	1
Milan (Part)		4	1	4	2
Balance of County		1	1	1	1
MONTGOMERY	591 Nephritis, except those with edema, etc.	1	1	1	1
Greenville		1	1	1	1
Balance of County		1	1	1	1
MONTCOREY	591 Nephritis, except those with edema, etc.	1	1	1	1
Monroe		1	1	1	1
MUSKEGON	591 Nephritis, except those with edema, etc.	1	1	1	1
Muskegon		1	1	1	1
Muskegon Heights		1	1	1	1
Balance of County		1	1	1	1
NEWAGO	591 Nephritis, except those with edema, etc.	1	1	1	1
Newago		1	1	1	1
Fremont		1	1	1	1
Balance of County		1	1	1	1
OAKLAND	591 Nephritis, except those with edema, etc.	1	1	1	1
Pontiac		1	1	1	1
Huntington Woods		1	1	1	1
Northville (Part)		1	1	1	1
Royal Oak		1	1	1	1
Berkley		1	1	1	1
Birmingham		1	1	1	1
Hazel Park		1	1	1	1
Cleawson		1	1	1	1
Holly		1	1	1	1
Balanced of County		1	1	1	1
OCEANA	591 Nephritis, except those with edema, etc.	1	1	1	1
Petoskey		1	1	1	1
Grand Haven		1	1	1	1
Zeeeland		1	1	1	1
Balance of County		1	1	1	1
OTTAWA	591 Nephritis, except those with edema, etc.	1	1	1	1
Holland		1	1	1	1
Grand Haven		1	1	1	1
Zeeeland		1	1	1	1
Balance of County		1	1	1	1
PRESQUE ISLE	591 Nephritis, except those with edema, etc.	1	1	1	1
Rose City		1	1	1	1
ROSCOMMON	591 Nephritis, except those with edema, etc.	1	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

Nephritis & Nephrosis	Area	Material Deaths		Congenital Malformations	
		Total	Per 100,000	Total	Per 100,000
A100 Acute nephritis	SAGINAW Saginaw Balance of County	1	24	3	21
A101 Diarrheas of liver	SANILAC Sanilac Balance of County	1	19	3	16
A102 Chronic nephritis	SCHOOLCRAFT Ministruque Balance of County	1	15	4	5
A103 Other diseases of kidney	SHIAGOSEE Oswego Durand Balance of County	1	6	1	5
A104 Gastro-enteritis	TUSCOLA Caro Vassar Balance of County	1	6	1	5
A105 Colitis, except diarrhea	VAN BUREN South Haven Balance of County	1	1	1	1
A106 Enteritis, except colitis	MASHPEEAN Ann Arbor Ypsilanti Chelsea Milan (Port) Balance of County	1	3	2	2
A107 Other diseases of digestive system	WAYNE Detroit Dearborn Hamtramck Highland Park Lincoln Park Wardotte Allen Park Ecorse Grosse Pte. Park Grosse Pte. Woods Inhalter Livonia River Rouge Garden City Grosse Pte. Grosse Pte. Farms Melvindale Northville (Port) Plymouth Trenton Wayne Balance of County	1	178	123	267
A108 Acute nephritis	SAGINAW Saginaw Balance of County	1	19	3	16
A109 Chronic nephritis	SANILAC Sanilac Balance of County	1	15	4	5
A110 Chronic nephritis	SCHOOLCRAFT Ministruque Balance of County	1	6	1	5
A111 Cerebral of kidney	SHIAGOSEE Oswego Durand Balance of County	1	2	1	1
A112 Hypoplasia of urinary system	TUSCOLA Caro Vassar Balance of County	1	1	1	1
A113 Diseases of breast	VAN BUREN South Haven Balance of County	1	1	1	1
A114 Other diseases of urinary system	MASHPEEAN Ann Arbor Ypsilanti Chelsea Milan (Port) Balance of County	1	1	1	1
A115 Spasms of preg-	WAYNE Detroit Dearborn Hamtramck Highland Park Lincoln Park Wardotte Allen Park Ecorse Grosse Pte. Park Grosse Pte. Woods Inhalter Livonia River Rouge Garden City Grosse Pte. Grosse Pte. Farms Melvindale Northville (Port) Plymouth Trenton Wayne Balance of County	1	1	1	1
A116 Toxemias of preg-	SAGINAW Saginaw Balance of County	1	1	1	1
A117 Hemorrhage of placenta	SANILAC Sanilac Balance of County	1	1	1	1
A118 Abortion with toxemia or toxemia	SCHOOLCRAFT Ministruque Balance of County	1	1	1	1
A119 Abortion with septicis with septicis	SHIAGOSEE Oswego Durand Balance of County	1	1	1	1
A120 Other complications of preg-	TUSCOLA Caro Vassar Balance of County	1	1	1	1
A121 Infections of skin & subcutaneous tissue	VAN BUREN South Haven Balance of County	1	1	1	1
A122 Anoxia 6 spotty	MASHPEEAN Ann Arbor Ypsilanti Chelsea Milan (Port) Balance of County	1	1	1	1
A123 Muscular rheuma-	WAYNE Detroit Dearborn Hamtramck Highland Park Lincoln Park Wardotte Allen Park Ecorse Grosse Pte. Park Grosse Pte. Woods Inhalter Livonia River Rouge Garden City Grosse Pte. Grosse Pte. Farms Melvindale Northville (Port) Plymouth Trenton Wayne Balance of County	1	1	1	1
A124 Osteomyelitis 6 unspecified	SAGINAW Saginaw Balance of County	1	1	1	1
A125 Anoxia 6 acquired	SANILAC Sanilac Balance of County	1	1	1	1
A126 All other diseases of skeletal system	SCHOOLCRAFT Ministruque Balance of County	1	1	1	1
A127 Spina bifida	SHIAGOSEE Oswego Durand Balance of County	1	1	1	1
A128 Congenital mal-	TUSCOLA Caro Vassar Balance of County	1	1	1	1
A129 All other congenital malformations	VAN BUREN South Haven Balance of County	1	1	1	1

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	ACCIDENTS	DEATHS BY CAUSE AND RESIDENCE (Continued)	
		ACCIDENTS	DEATHS
IGSCO			
IRON	Iron River Balance of County		
ISABELLA	Mount Pleasant Balance of County		
JACKSON	Jackson Balance of County		
KALAMAZOO	Kalamazoo Balance of County		
KALKASKA	Kalkaska Balance of County		
KENT	Grand Rapids Balance of County		
LELAND	Leland		
LENAWEE	Adrian Hudson Tecumseh		
LIVINGSTON	Bowell Balance of County		
LUCE	Newberry Balance of County		
MACKINAC	St. Ignace Balance of County		
MAGOMB	East Detroit Mount Clemens Roosevelt St. Clair Shores Canterville Romeo Balance of County		
MANISTEE	Manistee Balance of County		
MARQUETTE	Marquette Ishpeming Reignane Balance of County		
MASON	Ludington Balance of County		
A130 Birth injuries			
A131 Postnatal complications			
A132 Infections of newborns			
A133 Hemolytic disease of newborns			
A134 All other diseases of early infancy			
A135 Ill-defined disorders of early infancy			
A136 Senility without mention of psychoses			
A137 Ill-defined diseases of motor ability			
A138 Motor vehicle accidents			
A139 Accidents caused by falls of objects - single or multiple			
A140 Accidents caused by hot surfaces, corrosive liquids, steam & radiation			
A141 Accidents caused by electrical machinery			
A142 Accident caused by falls of objects - double materials			
A143 Accidents caused by fire or explosion			
A144 Accidents caused by hot surfaces, corrosive liquids, steam & radiation			
A145 Injury resulting from operations by other persons (not in war)			
A146 Subjected to injury resulting from effects of war			
A147-3* Late effects of war injury			

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

ACCIDENTS	AREA	ACCIDENTS									
		1	2	3	4	5	6	7	8	9	10
A 130 Birth injuries	SAGINAW	30	6	4	1	2	2	2	2	2	2
A 131 Postnatal asphyxia & asphyxiates	ST. CLAIR	10	17	2	1	4	3	1	1	1	1
A 132 Infections of newborn	SANILAC	10	13	1	1	1	1	1	1	1	1
A 133 Hemolytic disease of newborn	SEASIDE	-	7	1	1	1	1	1	1	1	1
A 134 All other diseases of early infancy	Owasco	3	3	2	1	1	1	1	1	1	1
A 135 Ill-defined diseases of early infancy	Durand	2	1	1	1	1	1	1	1	1	1
A 136 Semilunar without mention of psychoses	ST. JOSEPH	2	5	1	2	1	1	1	1	1	1
A 137 Ill-defined diseases of motorility	Three Rivers	1	1	1	1	1	1	1	1	1	1
A 138 Seizures	Balance of County	1	1	1	1	1	1	1	1	1	1
A 139 Other defined diseases	SCHOOLCRAFT	1	1	1	1	1	1	1	1	1	1
A 140 Accidents of marine sports	Manistique	1	1	1	1	1	1	1	1	1	1
A 141 Accidents of falls	Bal. of County	1	1	1	1	1	1	1	1	1	1
A 142 Accidents caused by asphyxia	SEASIDE	1	1	1	1	1	1	1	1	1	1
A 143 Accidents caused by fire & explosion	Marysville	1	1	1	1	1	1	1	1	1	1
A 144 Accidents caused by hot substances	St. Clair	1	1	1	1	1	1	1	1	1	1
A 145 Accident caused by water & electrical equipment	Balance of County	1	1	1	1	1	1	1	1	1	1
A 146 Accident caused by steam & radiation	Algoma	1	1	1	1	1	1	1	1	1	1
A 147.4* Other accidents	Port Huron	1	1	1	1	1	1	1	1	1	1
A 148 Self-inflicted injury	Algonac	1	1	1	1	1	1	1	1	1	1
A 149 Homocidal injuries	Marine City	1	1	1	1	1	1	1	1	1	1
A 150 Injury resulting from operations of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 151 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 152 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 153 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 154 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 155 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 156 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 157 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 158 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 159 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 160 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 161 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 162 Late effects of war	Balance of County	1	1	1	1	1	1	1	1	1	1
A 163 Motor vehicle accidents	Balance of County	1	1	1	1	1	1	1	1	1	1
A 164 Accidents caused by fire & explosive material	Balance of County	1	1	1	1	1	1	1	1	1	1
A 165 Accidents caused by steam & radiation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 166 Accidents caused by corrosive liquids	Balance of County	1	1	1	1	1	1	1	1	1	1
A 167 Accidents caused by hot substances	Balance of County	1	1	1	1	1	1	1	1	1	1
A 168 Accidents caused by water & electrical equipment	Balance of County	1	1	1	1	1	1	1	1	1	1
A 169 Accidents caused by steam & radiation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 170 Accidents caused by corrosive liquids	Balance of County	1	1	1	1	1	1	1	1	1	1
A 171-defined 6 mental diseases	Balance of County	1	1	1	1	1	1	1	1	1	1
A 172 Mental diseases	Balance of County	1	1	1	1	1	1	1	1	1	1
A 173 Mental diseases	Balance of County	1	1	1	1	1	1	1	1	1	1
A 174-776 Immaturity	Balance of County	1	1	1	1	1	1	1	1	1	1
A 175 Ill-defined diseases	Balance of County	1	1	1	1	1	1	1	1	1	1
A 176 Other defined diseases	Balance of County	1	1	1	1	1	1	1	1	1	1
A 177 Ill-defined diseases of early infancy	Balance of County	1	1	1	1	1	1	1	1	1	1
A 178 Ill-defined diseases of motorility	Balance of County	1	1	1	1	1	1	1	1	1	1
A 179 Ill-defined diseases of non-specific origin	Balance of County	1	1	1	1	1	1	1	1	1	1
A 180 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 181 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 182 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 183 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 184 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 185 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 186 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 187 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 188 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 189 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 190 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 191 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 192 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 193 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 194 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 195 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 196 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 197 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 198 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 199 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 200 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 201 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 202 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 203 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 204 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 205 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 206 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 207 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 208 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 209 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 210 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 211 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 212 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 213 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 214 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 215 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 216 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 217 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 218 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 219 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 220 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 221 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 222 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 223 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 224 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
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A 227 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
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A 229 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
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A 235 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
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A 241 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 242 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 243 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 244 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 245 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 246 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 247 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 248 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 249 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 250 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 251 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 252 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 253 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 254 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 255 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 256 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 257 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 258 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 259 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 260 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 261 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 262 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 263 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 264 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 265 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 266 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 267 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 268 Mental retardation	Balance of County	1	1	1	1	1	1	1	1	1	1
A 269 Mental retardation	Balance of County	1	1	1</td							

*Code numbers used by Michigan Department of Health for further statistical purposes.

**TEN LEADING CAUSES OF DEATH
DISTRIBUTION BY AGE GROUPS
MICHIGAN, 1953**

CAUSE	TOTAL	PERCENT	N U M B E R			Total	P E R C E N T				
			Under 15 Yrs	15-44	45-64		65 & Over*	Under 15 Yrs	15-44	45-64	
All Causes	62,087	100	6,305	5,760	17,327	32,695	100	10.1	9.3	27.9	52.7
Diseases of heart	22,425	36.1	28	1,026	6,881	14,490	100	0.1	4.6	30.7	64.6
Cancer	9,904	16.0	190	884	3,892	4,938	100	1.9	8.9	39.3	49.9
Vascular lesions of c.n.s.	7,045	11.4	27	219	1,594	5,205	100	0.4	3.1	22.6	73.9
Accidents	4,375	7.0	791	1,540	873	1,171	100	18.1	35.2	19.9	26.8
Pneumonia and influenza**	1,777	2.9	477	134	343	823	100	26.9	7.5	19.3	46.3
Diabetes mellitus	1,419	2.3	6	79	465	869	100	0.4	5.6	32.8	61.2
Arteriosclerosis	1,270	2.0	-	4	62	1,204	100	0	0.3	4.9	94.8
Immaturity	1,114	1.8	1,114	-	-	-	100	100	0	0	0
Congenital malformations	951	1.5	838	59	41	13	100	88.1	6.2	4.3	1.4
Nephritis and nephrosis	820	1.3	40	140	247	393	100	4.9	17.1	30.1	47.9
All other causes	10,987	17.7	2,794	1,675	2,929	3,589	100	25.4	15.2	26.7	32.7

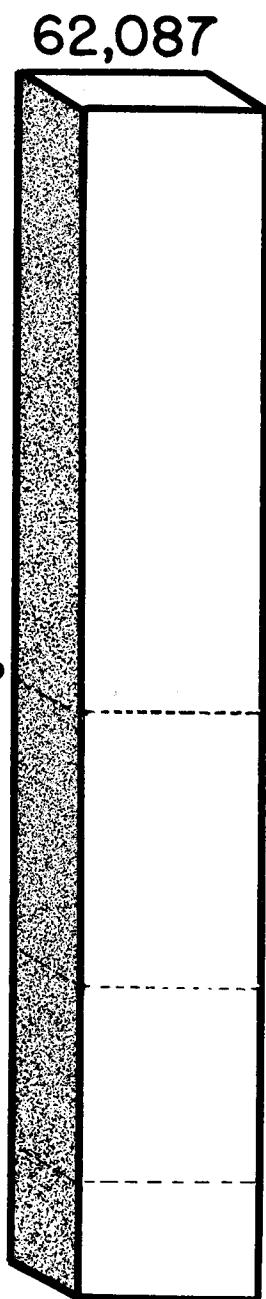
* Including 31 of unknown age.

** Excluding pneumonia of newborn.

The four leading causes of death accounted for approximately 70% of all deaths. The first three of these, heart, cancer and vascular lesions occurred largely among the older age groups, with only 5%, 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 in the age groups under 45 years. The fifth cause, pneumonia and influenza, and the tenth cause, nephritis and nephrosis, follow in line in this respect; 34% of the pneumonia and influenza deaths and 22% of the nephritis and nephrosis are under 45 years of age.

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



LEADING CAUSES OF DEATH

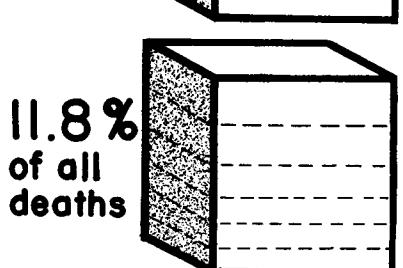
MICHIGAN 1953

1 HEART ■ 36.1%

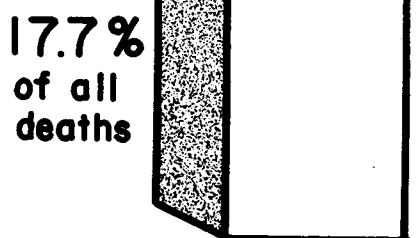
2 CANCER ■ 16.0%

3 VASC.
LESSIONS
OF C.N.S. ■ 11.4 %

4 ACCIDENTS ■ 7.0 %



- | | |
|-----------------------------|--------|
| 5 PNEUMONIA &
INFLUENZA | ■ 2.9% |
| 6 DIABETES | ■ 2.3% |
| 7 ARTERIOSCLEROSIS | ■ 2.0% |
| 8 IMMATURITY | ■ 1.8% |
| 9 CONG. MALFORMATIONS | ■ 1.5% |
| 10 NEPHRITIS &
NEPHROSIS | ■ 1.3% |



ALL OTHER
CAUSES ■ 17.7 %

TABLE 9 - LEADING CAUSES OF DEATH BY AGE GROUP
MICHIGAN, 1953

(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.)

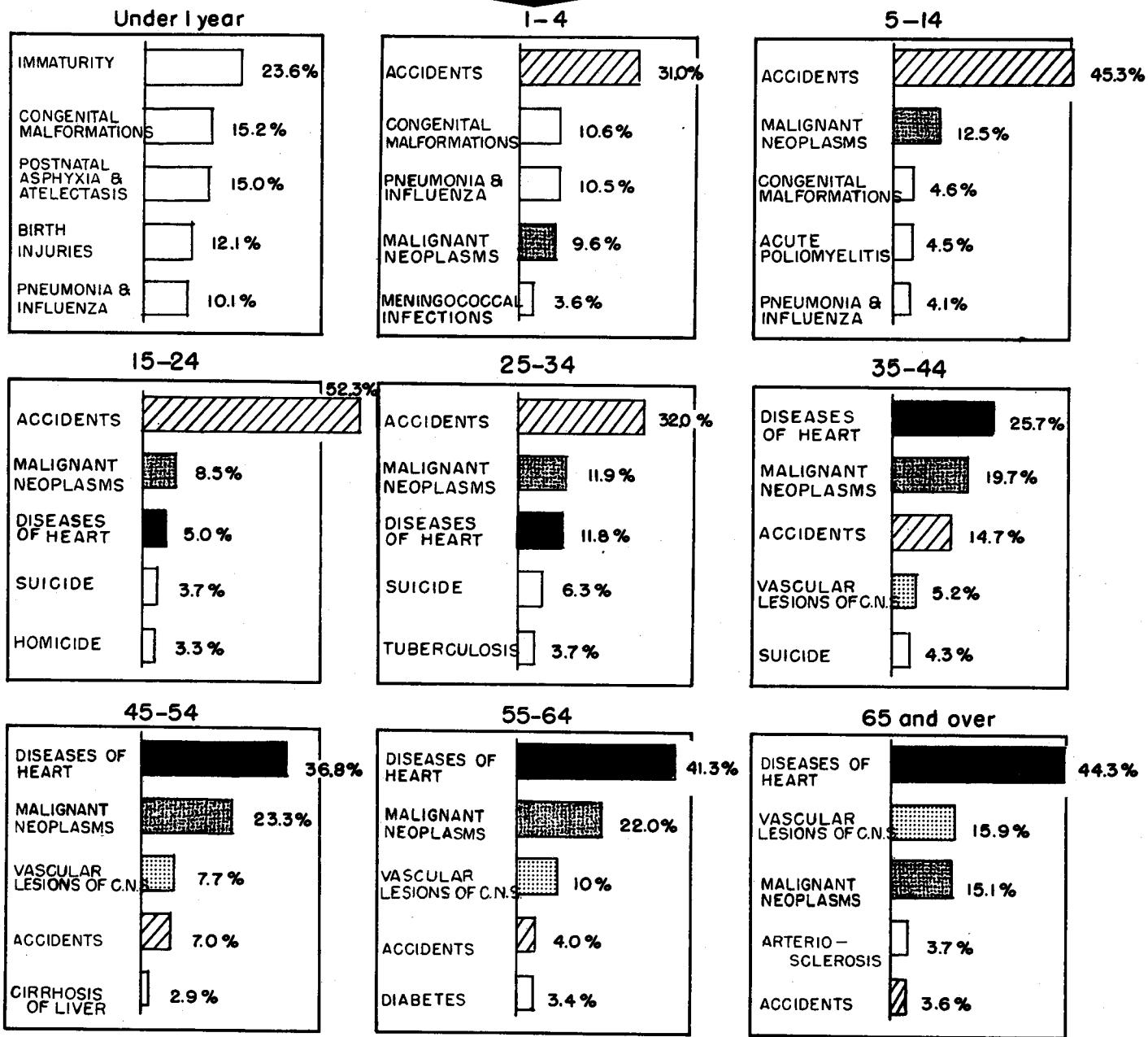
Under 1 Year			1 - 4			5 - 14		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	4,728	100	All Causes	802	100	All Causes	775	100
Immaturity	1,114	23.6	Accidents	249	31.0	Accidents	351	45.3
Congenital malformations	717	15.2	Congenital malformations	85	10.6	Malignant neoplasms	97	12.5
Postnatal asphyxia and atelectasis	707	15.0	Pneumonia & influenza	84	10.5	Congenital malformations	36	4.6
Birth injuries	573	12.1	Malignant neoplasms	77	9.6	Acute poliomyelitis	35	4.5
Pneumonia & influenza (includes pneumonia of newborn)	478	10.1	Meningococcal infections	29	3.6	Pneumonia & influenza	32	4.1

15 - 24			25 - 34			35 - 44		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	1,073	100	All Causes	1,680	100	All Causes	3,007	100
Accidents	561	52.3	Accidents	537	32.0	Diseases of heart	773	25.7
Malignant neoplasms	91	8.5	Malignant neoplasms	200	11.9	Malignant neoplasms	593	19.7
Diseases of heart	54	5.0	Diseases of heart	199	11.8	Accidents	442	14.7
Suicide	40	3.7	Suicide	106	6.3	Vascular lesions of central nervous system	155	5.2
Homicide	35	3.3	Tuberculosis	62	3.7	Suicide	129	4.3

45 - 54			55 - 64			65 & Over*		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	6,141	100	All Causes	11,186	100	All Causes	32,695	100
Diseases of heart	2,258	36.8	Diseases of heart	4,623	41.3	Diseases of heart	14,490	44.3
Malignant neoplasms	1,433	23.3	Malignant neoplasms	2,459	22.0	Vascular lesions of central nervous system	5,205	15.9
Vascular lesions of central nervous system	475	7.7	Vascular lesions of central nervous system	1,119	10.0	Malignant neoplasms	4,938	15.1
Accidents	429	7.0	Accidents	444	4.0	Arteriosclerosis	1,204	3.7
Cirrhosis of liver	178	2.9	Diabetes	379	3.4	Accidents	1,171	3.6

*Includes 31 deaths of unknown age.

LEADING CAUSES OF DEATH BY AGE GROUPS MICHIGAN 1953

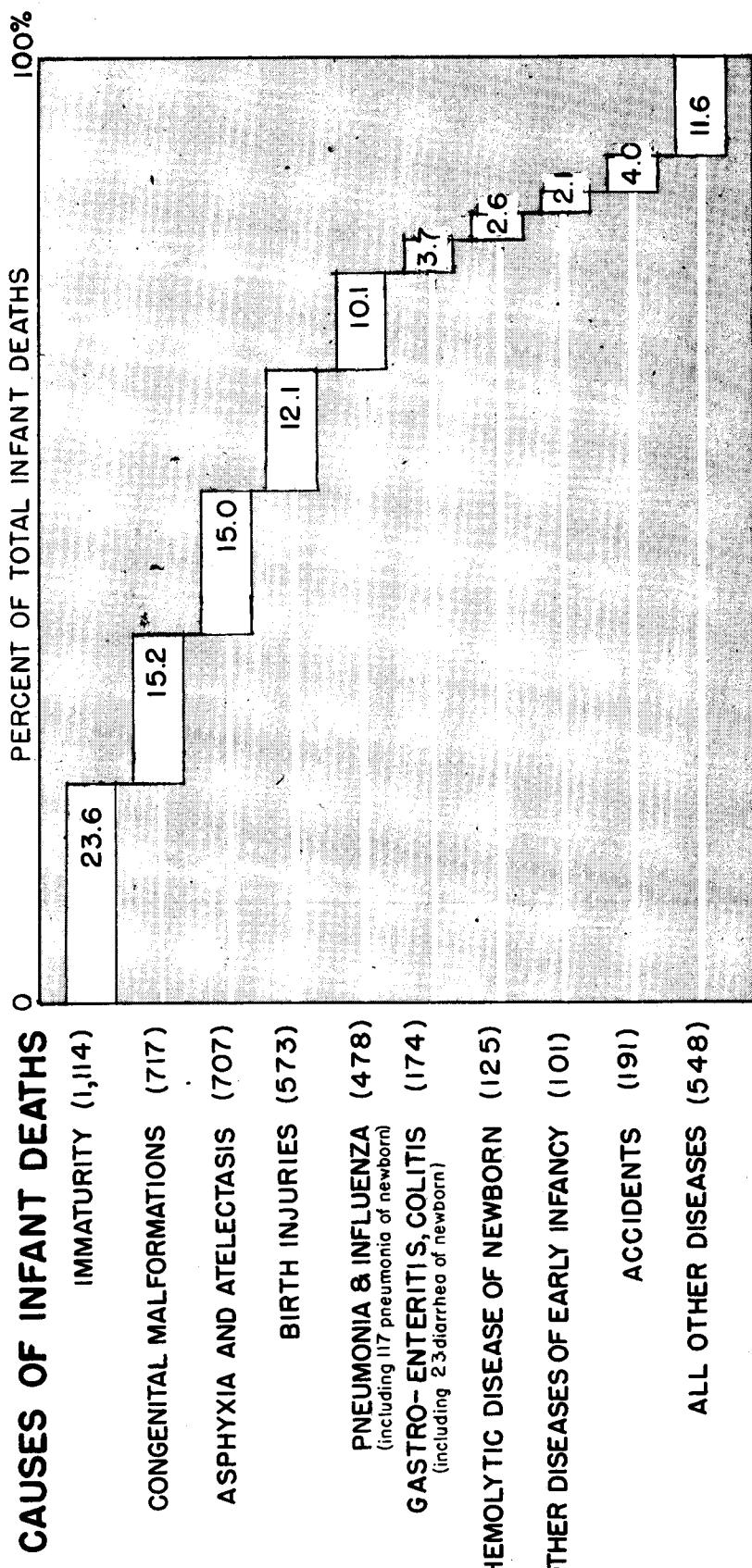


Diseases of the heart lead as a cause of death among all age groups 35 years and over and constitute an increasingly larger percentage of the total deaths in each successively older age group.

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 4th ranking cause of death. It is the 2nd leading cause in the 5-14 years age group and maintains this position in all successive age groups until shifting to third position in the 65 years and older group.

Babies Barn
4,728 died under 1 year of age
Michigan 1953



Approximately 65% of all infant deaths are due to the first four causes; immaturity at birth, congenital malformations, asphyxia and atelectasis, and birth injuries.

These four causes account for this large proportion of infant deaths, mainly because they are leading causes among infants dying under 1 week of age, the age group comprising 64% of all infant deaths.

TABLE 10 - DEATHS UNDER 5 YEARS BY CAUSE AND DETAILED AGE
MICHIGAN 1953

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Sixth Revision of International

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

CAUSE OF DEATH	Int. List No.	Under 5 Yrs	D A Y S			D A Y S			M O N T H S			M O N T H S			Y E A R S												
			Under 1 Day	1 2	3-6 1 Wk	7-13 14-20 21-27 4 Wks	Under 1 Wk	1 2	3	4	5	6	7	8	9	10	11	Under 1 Yr	1 2	3 4							
PNEUMONIA, ALL FORMS	A 89-A 91	397	-	-	-	-	-	-	-	-	59	59	48	37	36	23	21	12	11	9	8	323	42	20	5	7	
Lobar pneumonia	A 89	74	-	-	-	-	-	-	-	-	6	8	11	8	7	3	4	1	3	4	1	56	12	2	-	4	
Bronchopneumonia	A 90	201	-	-	-	-	-	-	-	-	32	30	23	18	17	13	10	6	3	2	5	160	20	17	3	1	
Primary atypical, other and unspecified pneumonia	A 91	122	-	-	-	-	-	-	-	-	21	21	14	11	12	7	5	2	2	5	5	107	10	1	2	2	
Acute bronchitis	A 92	25	-	-	-	-	-	-	-	-	3	4	2	4	-	2	1	1	1	1	1	19	4	-	1	1	
Bronchitis, chronic and unqualified	A 93	26	-	-	-	-	-	-	-	-	3	1	2	1	-	1	1	1	1	1	1	15	8	6	1	1	
Bronchitis of tonsils and adenoids	A 94	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
Emphyema and abscess of lung	A 95	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other respiratory diseases	A 97	59	-	-	-	-	-	-	-	-	2	9	6	7	5	5	-	-	-	-	-	-	-	-	-	-	
Ulcer of stomach	A 99	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ulcer of duodenum	A 100	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gastritis and duodenitis	A 101	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Appendicitis	A 102	10	-	-	-	-	-	-	-	-	16	6	-	-	2	1	4	1	-	-	-	36	7	2	1	1	
Intestinal obstruction and hernia	A 103	47	-	-	-	-	-	-	-	-	27	21	12	18	10	13	10	3	3	7	151	18	3	4	-		
Gastro-enteritis and colitis, except diarrhea of the newborn	A 104	176	-	-	-	-	-	-	-	-	1	6	7	3	2	-	4	1	-	-	-	2	1	-	-	-	
Cirrhosis of liver	A 105	3	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	28	4	1	1	1	
Other diseases of digestive system	A 107	35	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	5	2	2	5	4	
NEPHRITIS & NEPHROSIS, ALL FORMS	A 108-A 109	18	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	
Acute nephritis	A 108	4	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	
Chronic, other and unspecified nephritis	A 109	14	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	
Nephritis with edema, including nephrosis	591	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	
592-594 Chronic & unspecified nephritis & other renal sclerosis	592-594	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Infections of kidney	A 110	7	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases of genito-urinary system	A 114	4	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
All other diseases of skin and musculoskeletal system	A 126	6	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
CONGENITAL MALFORMATIONS, ALL FORMS	A 127-A 129	802	160	54	46	78	338	67	37	22	64	70	48	34	27	17	14	14	7	8	7	7	717	45	24	13	3
Spina bifida and meningocele	A 127	97	12	5	1	4	22	9	8	5	44	12	7	6	4	3	1	2	3	1	3	1	89	5	2	1	-
Congenital malformations of circulatory system	A 128	342	37	28	27	41	133	32	13	7	185	26	22	17	6	9	4	2	3	3	3	3	304	22	10	5	1
All other congenital malformations	A 129	363	111	21	18	33	183	26	16	10	235	32	15	4	6	8	4	6	2	4	3	3	324	18	12	7	2
Birth injuries	A 130	573	364	77	54	61	556	2	5	5	568	2	5	3	1	1	1	1	1	1	1	1	573	-	-	-	-
Postnatal asphyxia and atelectasis	A 131	707	144	102	59	67	34	36	11	148	69	5	3	6	2	1	1	1	2	1	1	1	707	-	-	-	-
Infections of the newborn	A 132	151	16	9	10	32	67	32	13	7	117	-	-	1	1	-	-	-	-	-	-	-	151	-	-	-	-
Pneumonia of newborn	763	117	15	9	10	27	61	27	21	8	117	-	-	1	1	-	-	-	-	-	-	-	117	-	-	-	-
Diarrhea of newborn	764	23	-	-	-	-	-	5	13	2	22	-	-	1	1	-	-	-	-	-	-	-	23	-	-	-	-
765-768 Other infections of newborn	11	1	-	-	-	-	3	4	2	1	9	-	-	124	1	-	-	-	-	-	-	-	11	-	-	-	-
Hemolytic disease of newborn	A 133	126	54	8	24	31	117	5	2	-	79	7	5	6	-	1	1	1	1	1	1	1	125	1	-	-	-
All other defined diseases of early infancy and immaturity unqualified	A 134	101	36	6	17	12	71	5	3	-	169	16	5	4	2	-	-	-	-	-	-	-	101	-	-	-	-
III-defined diseases peculiar to early infancy and immaturity unqualified	A 135	1,197	729	171	95	116	1,113	34	16	6	1,169	176	2	1	2	1	1	1	1	1	1	1	1,197	-	-	-	-
773 III-defined diseases	83	42	13	5	7	67	5	1	3	1,093	14	4	2	1	-	-	-	-	-	-	-	83	-	-	-	-	
774-776 Immaturity	1,114	687	158	90	111	1,046	29	15	3	1,093	14	4	2	1	-	-	-	-	-	-	-	1,114	-	-	-	-	
III-defined and unknown causes of mortality	A 137	58	7	4	5	20	1	2	2	25	2	3	2	1	-	-	-	-	-	-	-	45	6	1	5	1	
ACCIDENTS, ALL FORMS	AE138-AE147	440	-	2	3	7	3	12	13	35	28	19	17	17	16	2	10	6	7	7	191	86	73	51	39		
Motor vehicle accidents	AE138	104	-	-	1	1	-	-	-	2	2	1	4	3	1	2	-	-	-	-	-	-	17	24	32	15	16
Other transport accidents	AE139	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	6	3	-
Accidental poisoning	AE140	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2	6	1	-
Accidental falls	AE141	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accident caused by machinery	AE142	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accident caused by fire and explosion of combustible material	AE143	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accident caused by hot substance, corrosive liquid, steam, and radiation	AE144	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accident caused by firearm	AE145	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental drowning and submersion	AE146	25	-	-	-	-	-	-	-	-	3	10	11	30	26	27	11	11	15	10	2	6	149	22	8	9	9
All other accidental causes	AE147	197	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and injury purposely inflicted by other persons (not in war)	AE149	15	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	6	1	4	1	3

TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE
MICHIGAN, 1953

(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	Days			Under	Days			Under	Months											Under	Years				
	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	5,530	1,749	483	362	414	3,008	180	126	75	3,389	287	225	180	128	133	95	75	69	50	41	56	4,728	323	211	143	12	
ALCONA	4	1	-	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	
ALGER	8	-	2	1	-	3	-	1	-	4	1	2	-	-	-	-	-	-	-	-	-	8	-	-	-	-	
Munising	4	-	1	1	-	2	-	-	-	2	1	1	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
Balance of County	4	-	1	-	-	1	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
ALLEGAN	32	10	3	-	2	15	-	3	1	19	1	6	-	1	-	1	-	1	-	1	-	30	1	-	-	-	
Allegan	4	2	-	-	-	2	-	1	-	3	-	1	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
Otsego	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Plainwell	2	1	-	-	-	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Balance of County	25	7	3	-	1	11	-	2	1	14	1	5	-	1	-	1	-	1	-	1	-	23	1	-	-	-	
ALPENA	11	6	2	-	-	8	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	
Alpena	7	4	1	-	-	5	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	
Balance of County	4	2	1	-	-	3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
ANTRIM	6	2	3	-	-	5	-	-	-	-	5	-	1	-	-	-	-	-	-	-	-	6	-	-	-	-	
ARENAC	5	2	-	1	-	3	-	1	-	4	1	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	
BARAGA	5	1	-	1	-	2	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	
BARRY	13	5	-	2	1	8	1	-	-	9	-	-	1	1	-	-	-	-	-	-	-	12	1	-	-	-	
Hastings	4	2	-	-	2	6	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-	
Balance of County	9	3	-	2	1	10	-	1	1	12	2	2	2	-	-	1	2	3	-	-	-	8	1	-	-	-	
RAY	104	16	7	3	6	32	3	4	2	41	6	7	7	6	4	1	4	7	2	-	1	86	6	3	4	5	
Bay City	68	10	2	3	5	20	3	3	-	26	4	5	5	6	3	2	4	2	-	-	57	4	2	3	2		
Essexville	6	-	-	-	2	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	4	-	2	-	1		
Balance of County	30	6	3	-	1	10	-	1	1	12	2	2	2	-	-	1	2	3	-	-	-	25	2	1	-	1	
BENZIE	3	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	2	1	-	-	-	
BERRIEN	108	33	8	9	7	57	5	3	-	65	5	3	3	2	4	-	-	5	-	-	1	4	92	6	4	3	3
Benton Harbor	21	11	-	3	2	16	1	1	-	18	1	-	-	-	-	-	-	-	-	-	-	20	-	1	3	1	
Niles	16	3	-	4	-	7	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	11	1	-	1	-	
St. Joseph	10	1	1	1	2	5	-	-	-	5	1	-	-	-	-	-	-	-	-	-	-	7	-	1	-	2	
Buchanan	10	3	1	-	-	4	2	2	-	8	1	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	
Balance of County	51	15	6	1	3	25	2	-	-	27	2	3	2	1	3	-	-	4	-	-	-	44	5	-	1	1	
BRANCH	12	6	-	-	1	7	-	-	-	7	2	-	-	-	-	-	-	-	-	-	-	10	1	-	1	-	
Coldwater	4	1	-	-	1	6	-	-	-	6	1	-	-	-	-	-	-	-	-	-	-	3	1	-	1	-	
Balance of County	8	5	-	-	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	1	-	
CALHOUN	113	32	6	9	11	58	3	1	2	64	8	5	2	1	2	2	5	2	1	2	1	95	6	6	4	2	
Battle Creek	52	15	3	4	2	24	2	-	-	27	4	3	2	1	1	3	2	1	1	1	1	46	1	2	3	2	
Albion	8	1	-	-	2	4	-	-	-	4	2	-	-	-	-	-	-	-	-	-	-	6	-	-	1	-	
Marshall	5	2	-	-	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	4	1	-	1	-	
Balance of County	48	14	2	5	6	27	1	1	1	30	2	2	-	-	-	-	-	-	-	-	-	39	3	4	1	1	
CASS	30	7	4	1	1	13	3	1	2	19	-	2	1	-	1	2	-	-	-	-	-	25	2	1	-	2	
Dowagiac	11	3	1	-	4	2	-	-	-	6	-	1	-	-	-	-	-	-	-	-	-	9	-	1	-	1	
Balance of County	19	4	3	1	1	9	1	1	2	13	-	1	-	-	-	-	-	-	-	-	-	16	2	-	-	1	
CHARLEVOIX	10	2	-	1	1	4	2	-	-	6	-	1	-	-	-	-	-	-	-	-	-	8	1	-	1	-	
Boyne City	2	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Charlevoix	3	-	-	-	-	3	1	-	-	4	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	
Balance of County	5	2	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1	-	
CHEBOYGAN	15	5	5	-	2	12	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	14	-	1	-	-	
Cheboygan	10	4	4	-	2	10	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	10	4	-	1	-	
Balance of County	5	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
CHIPPEWA	39	13	4	1	4	22	1	1	1	25	1	-	2	-	3	-	1	-	-	-	-	32	2	3	1	1	
Sault Ste. Marie	23	8	4	-	3	15	-	1	1	17	1	-	2	-	2	-	1	-	-	-	-	21	1	1	2	1	
Balance of County	16	5	-	1	1	7	1	-	-	8	-	-	2	-	1	-	-	-	-	-	-	11	1	2	1	1	
CLARE	10	4	-	-	4	1	1	1	-	6	-	1	-	-	-	-	-	-	-	-	-	7	-	1	2	-	
CLINTON	23	4	2	2	3	11	-	1	-	12	2	2	-	1	-	2	-	1	-	-	-	20	2	-	1	-	
St. Johns	2	-	-	-	3	11	-	1	-	12	2	1	-	1	-	2	-	1	-	-	-	19	2	-	-	-	
Balance of County	21	4	2	2	3	10	-	2	-	12	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
CRAWFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DELTA	24	5	-	1	4	10	2	-	-	12	-	2	-	-	1	2	-	-	-	-	-	1	18	5	-	-	1
Escanaba	10	3	-	1	-	4	1	-	-	5	-	1	-	-	2	-	2	-	-	-	-	8	2	-	-	-	
Gladstone	4	1	-	-	1	2	1	-	-	3	-	2	-	-	1	-	1	-	-	-	-	4	-	-	-	-	
Balance of County	10	1	-	-	3	4	-	-	-	4	-	1	-	-	1	-	1	-	-	-	-	6	3	-	-	1	
DICKINSON	13	2	1	2	-	5	-	-	-	5	1	2	-	-	1	1	-	-	-	-	-	10	3	-	-	-	
Iron Mountain	5	1	1	-	2	2	-	-	-	2	-	1	-	-	1	-	1	-	-	-	-	4	1	-	-	-	
Kingsford	4	-	-	2	-	2	-	-	-	2	-	1	-	-	1	-	1	-	-	-	-	3	1	-	-	-	
Norway	3	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-	2	1	-	-	-	
Balance of County	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
EATON	34	9	4	4	-	17	1	2	1	21	1	2	1	-	-	-	-	1	-	-	-	27	4	3	-	-	
Charlotte	1	1	-	1	-	1	-	-	-	1	1	3	-	-	-	-	-	-	-	-	-	1	-	1	2	-	
Eaton Rapids	6	-	1	1	-	2	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	3	1	-	2	-	
Grand Ledge	6	3	-	1	-	4	1	-	-	5	-	1	-	-	-	-	-	-	-	-	-	6	-	-	-	-	
Balance of County	21	5	3	2	-	10	-	2	-	12	1	1	1	-	-	-	-	1	-	-	-	17	3	1	-	-	
EMMET	14	5	1	1	-	7	-	-	-	1	8	-	1	3	-	-	-	1	-	-	-	13	-	-	-	-	
Petoskey	7	3	1	-	4	-	-	-	-	4	-	4	-	1	2	-	-	-	-	-	-	7	-	-	-	-	
Balance of County	7	2	-	1	-	3	-	-	-	1	-	4	-	1	-	-	-	-	-	-	-	6	-	-	-	-	
GENESEE	280	64	22	18	9	133	9	11	5	158	13	9	12	6	7	9											

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		
GOGEBIC	28	11	1	5	1	18	1	-	1	20	1	1	1	-	-	-	-	-	-	-	1	24	2	-	1	1		
Ironwood	15	5	1	3	-	9	1	-	-	10	1	1	1	-	-	-	-	-	-	-	1	14	1	-	-	-		
Bessemer	3	1	-	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-		
Wakefield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-		
Balance of County	10	5	-	1	1	7	-	-	1	8	-	-	-	-	-	-	-	-	-	-	8	-	-	1	1	1		
GRAND TRAVERSE	27	11	-	2	-	13	-	2	-	15	-	2	4	1	2	-	-	-	1	-	-	25	-	1	1	-	-	
Traverse City	16	10	-	1	-	11	-	1	-	12	-	1	2	1	1	-	-	-	1	-	-	16	9	2	1	-	-	
Balance of County	11	1	-	1	-	2	-	1	-	3	-	1	2	1	1	-	-	-	1	-	-	1	1	1	-	-	-	
GRATIOT	26	11	2	-	2	15	-	-	-	15	2	1	-	-	-	1	-	-	-	-	-	19	4	1	1	2	1	
Alma	7	4	-	-	-	4	-	-	-	4	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	
St. Louis	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	2	-	-	1	
Balance of County	17	7	2	-	2	11	-	-	-	11	1	1	-	-	-	-	-	-	-	-	-	14	-	2	-	-	1	
HILLSDALE	16	3	-	1	3	7	-	-	-	7	1	1	-	-	-	-	-	-	1	1	-	12	1	-	2	1	-	
Hillsdale	6	1	-	1	-	3	5	-	-	2	1	-	-	-	-	-	-	-	1	1	-	4	8	-	2	-	-	
Balance of County	10	2	-	-	-	3	-	-	-	5	1	-	-	-	-	-	-	-	1	1	-	1	8	-	2	-	-	
HOUGHTON	21	4	1	1	5	11	1	-	-	12	5	1	1	-	-	-	-	-	-	-	-	19	-	1	1	-	-	
Hancock	4	1	-	-	-	1	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	4	-	1	-	-	-	
Houghton	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Laurium	3	1	-	-	2	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	
Balance of County	13	2	1	1	3	7	1	-	-	6	2	1	-	-	-	-	-	-	-	-	-	11	-	1	1	-	-	
HURON	33	10	4	1	1	16	-	1	-	17	2	2	1	-	-	1	2	-	-	-	2	27	1	4	-	1		
Bad Axe	2	-	1	-	1	15	-	1	-	16	1	2	1	-	-	1	2	-	-	-	2	25	1	4	-	1		
Balance of County	31	10	3	1	1	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	
INGHAM	160	43	10	11	11	75	6	3	3	87	8	8	5	6	4	5	1	1	3	2	2	132	9	3	12	6	1	
Lansing	68	19	6	5	5	36	3	2	2	43	6	2	1	4	1	3	1	-	-	-	-	61	9	3	2	2	1	
East Lansing	14	4	-	1	1	1	1	-	-	7	-	1	-	1	-	-	-	-	-	-	-	3	2	-	-	-	-	
Mason	5	1	-	1	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	59	9	3	-	2	-	
Balance of County	73	19	4	3	4	30	2	1	1	34	2	5	4	2	2	2	1	-	3	2	2	-	87	9	3	9	2	-
IONIA	20	3	4	1	-	8	-	-	-	8	-	-	-	1	2	-	1	1	-	2	-	15	3	-	2	-	-	
Belding	2	-	1	-	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	1	-	1	-	-	
Ionia	4	-	1	-	1	1	-	-	-	6	-	-	-	2	-	1	1	-	2	-	-	12	1	-	1	-	-	
Portland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Balance of County	14	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IOSCO	12	3	-	2	1	6	1	-	-	7	-	-	-	-	-	-	1	1	-	-	-	9	-	1	2	-	-	
IRON	6	-	1	-	1	2	2	-	-	4	-	2	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	
Iron River	3	-	1	-	1	1	1	-	-	2	-	1	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	
Balance of County	3	-	-	-	-	1	1	-	-	2	-	1	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	
ISABELLA	28	8	3	2	3	16	-	1	-	17	-	-	-	2	-	1	2	-	1	-	1	24	4	-	-	-	-	
Mount Pleasant	15	5	3	1	2	11	-	1	-	12	-	-	-	1	-	1	-	1	-	-	1	15	9	4	-	-	-	
Balance of County	13	3	-	1	1	5	-	-	-	5	-	-	-	1	-	1	-	1	-	-	1	1	9	-	-	-	-	-
JACKSON	88	24	6	9	10	49	1	3	1	54	1	3	3	4	2	3	-	-	-	-	2	72	6	6	2	2	1	
Jackson	51	14	5	8	4	31	-	1	2	32	1	2	2	2	1	2	-	-	-	-	1	42	3	3	3	3	1	
Balance of County	37	10	1	1	6	18	1	2	1	22	-	1	1	2	1	2	-	-	-	-	1	30	3	3	3	3	1	
KALAMAZOO	103	28	10	12	4	54	3	4	2	63	5	4	5	3	2	2	3	-	2	-	-	87	7	4	1	4	3	
Kalamazoo	45	13	6	4	3	26	-	1	1	28	3	2	2	3	2	3	-	2	-	-	-	35	3	4	-	1	1	
Balance of County	58	15	4	8	1	28	3	3	1	35	2	2	3	3	2	3	-	2	-	-	-	52	4	-	1	1	1	
KALKASKA	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
KENT	204	78	20	13	10	121	6	3	1	131	12	12	5	4	9	1	6	1	1	-	-	182	5	5	5	7	4	
Grand Rapids	124	49	13	9	3	74	4	2	-	80	7	7	4	2	7	-	4	1	1	-	-	112	2	4	2	4	-	
E. Grand Rapids	5	4	1	-	5	-	-	-	-	5	-	5	1	2	2	1	2	-	-	-	-	65	3	1	3	3	-	
Balance of County	75	25	6	4	7	42	2	1	1	46	5	5	1	2	2	1	2	-	-	-	-	-	-	-	-	-	-	
KEWEENAW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	2	1	-	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	2	1	-	1	
LAPEER	27	8	2	2	3	15	-	1	-	16	1	1	2	1	1	1	-	1	-	-	-	23	3	1	1	-	1	
Lapeer	5	1	1	2	3	13	-	-	-	14	1	1	1	1	1	-	1	-	-	-	-	20	-	1	1	-	1	
Balance of County	22	7	1	2	3	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	1	-	-	-	
LEELANAU	3	-	1	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	
LENAWEE	73	15	5	5	7	32	4	2	1	39	6	3	3	-	2	1	3	-	-	-	-	3	60	8	2	2	1	
Adrian	19	3	-	1	2	6	2	-	-	8	3	-	1	-	2	-	1	-	-	-	-	15	1	2	1	-	-	
Hudson	2	-	-	2	2	6	1	-	-	8	-	-	-	-	-	-	-	-	-	-	-	2	9	-	-	-	-	
Tecumseh	9	3	1	2	-	6	1	-	-	21	3	3	2	-	-	1	2	-	-	-	-	2	34	7	-	1	1	
Balance of County	43	9	4	2	3	18	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	
LIVINGSTON	22	6	3	1	2	12	1	-	1	14	3	1	-	-	-	-	-	-	1	-	-	19	2	1	-	-	-	
Howell	3	1	-	-	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	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4	
MANISTEE	7	3	1	-	-	4	-	-	-	1	5	-	1	1	-	-	-	-	-	-	-	7	-	-	-	-	
Manistee	6	2	1	-	-	3	-	-	-	1	4	-	1	1	-	-	-	-	-	-	-	6	-	-	-	-	
Balance of County	1	1	-	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
MARQUETTE	43	15	7	2	3	27	-	-	-	27	3	3	1	1	1	-	-	1	-	-	-	37	1	4	-	1	
Marquette	17	6	3	2	2	13	-	-	-	13	3	-	-	-	-	-	-	-	-	-	-	17	-	-	-	1	
Ishpeming	8	3	2	-	-	5	-	-	-	5	-	1	-	1	-	-	-	-	-	-	-	7	-	-	2	-	
Negaunee	5	1	-	-	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	3	-	-	-	-	
Balance of County	13	5	2	-	1	8	-	-	-	8	-	1	1	-	-	-	-	-	-	-	-	10	1	2	-	-	
MASON	17	4	3	-	2	9	1	-	-	10	1	-	1	-	1	-	-	-	-	-	-	13	1	-	2	1	
Ludington	9	-	2	-	1	3	1	-	-	4	1	-	1	-	-	-	-	-	-	-	-	6	1	-	2	1	
Balance of County	8	4	1	-	1	6	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	7	1	-	-	-	
MECOSTA	8	2	1	-	-	3	-	-	-	1	4	-	1	-	1	-	-	-	-	-	-	6	-	1	1	-	
Big Rapids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Balance of County	8	2	1	-	-	3	-	-	-	1	4	-	1	-	1	-	-	-	-	-	-	6	-	1	1	-	
MENOMINEE	15	4	1	2	-	7	-	-	-	7	1	-	1	-	-	-	-	-	-	-	-	11	2	1	1	-	
Menominee	7	2	1	2	-	5	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	6	1	1	1	-	
Balance of County	8	2	-	-	2	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	5	1	1	1	-	
MIDLAND	30	13	-	1	2	16	-	1	-	17	2	1	1	1	-	2	-	1	-	1	1	27	2	-	-	1	
Midland	13	8	-	1	1	10	-	-	-	10	1	-	1	-	-	-	-	-	-	-	-	12	2	-	-	1	
Balance of County	17	5	-	-	1	6	-	1	-	7	1	1	-	1	-	2	-	1	-	1	1	15	2	-	-	-	
MISSAUKEE	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
MONROE	84	23	5	4	10	42	4	1	-	47	8	5	5	4	2	-	1	-	-	-	-	73	8	1	2	-	
Monroe	18	3	1	-	4	8	-	-	-	8	1	-	-	-	-	-	-	-	-	-	-	13	4	-	1	-	
Milan (Part)	2	1	-	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	
Balance of County	64	19	4	4	6	33	4	1	-	38	6	5	5	2	1	-	1	-	-	-	-	58	4	1	1	-	
MONTGOMERY	39	9	4	1	7	21	2	3	-	26	2	3	1	1	-	1	-	-	-	-	-	3	37	1	-	1	
Greenville	9	2	-	4	6	15	-	3	-	8	2	3	1	1	-	1	-	-	-	-	-	8	-	-	1	-	
Balance of County	30	7	4	1	3	-	-	-	-	18	2	3	1	1	-	1	-	-	-	-	-	3	29	1	-	-	
MONTMORENCY	2	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
MUSKEGON	146	36	12	8	8	64	4	2	-	75	12	5	10	4	4	2	1	8	4	2	2	129	6	5	4	2	
Muskegon	48	10	6	5	-	21	2	-	-	25	1	6	1	2	2	1	-	2	2	1	1	42	2	1	2	1	
Muskegon Heights	25	5	1	2	3	11	-	1	-	13	3	2	2	1	2	1	-	6	2	1	1	22	1	1	1	-	
Balance of County	73	21	5	1	5	32	2	1	-	37	9	2	3	1	2	1	-	1	5	3	1	1	65	3	1	1	-
NEWAYGO	18	1	2	1	1	5	2	-	-	7	1	-	-	-	-	-	-	-	-	-	-	13	3	2	-	-	
Fremont	4	1	-	1	1	4	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	4	3	-	-	-	
Balance of County	14	-	2	1	1	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	9	3	2	-	-	
OAKLAND	426	166	37	18	28	249	16	5	5	275	20	14	12	12	6	5	4	7	6	3	376	25	13	5	7		
Pontiac	85	32	8	5	4	49	7	-	-	57	6	2	5	2	-	-	-	-	-	-	-	77	4	3	1	-	
Ferndale	30	14	2	-	2	18	2	-	-	20	-	1	2	2	2	-	-	-	-	-	-	25	3	1	-	-	
Royal Oak	48	22	6	2	4	32	-	2	-	34	2	1	2	3	1	-	-	-	-	-	-	45	1	1	2	-	
Berkley	21	11	2	-	4	17	1	-	-	18	-	-	-	-	-	-	-	-	-	-	-	18	1	1	-	1	
Birmingham	26	10	6	1	1	18	1	1	-	20	1	-	-	-	-	-	-	-	-	-	-	24	1	-	2	-	
Hazel Park	26	9	2	2	-	13	-	1	-	16	1	2	1	2	-	-	-	-	-	-	-	25	1	-	-	-	
Clawson	4	2	-	-	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	
Holly	1	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Huntington Woods	2	-	-	1	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
Northville (Part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oak Park	8	2	1	1	2	6	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	7	1	-	-	-	
Pleasant Ridge	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Rochester	7	5	-	-	5	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5	2	-	-	-	
Balance of County	167	58	9	7	11	85	4	1	2	92	10	9	3	4	5	4	5	1	5	3	1	142	12	8	3	2	
OCEANA	17	7	-	1	-	8	1	-	-	9	2	1	-	1	-	1	-	-	-	-	-	14	1	-	-	2	
OGEMAN	8	3	-	1	1	5	5	-	-	5	-	-	-	-	-	-	-	-	-	-	-	6	-	2	-	-	
ONTONAGON	4	1	-	-	2	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	
OSCEOLA	12	2	-	1	-	3	2	-	-	5	-	-	2	1	-	-	-	-	-	-	-	9	1	1	-	1	
OSCODA	2	-	-	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
OTSEGO	6	3	-	1	2	6	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	
OTTAWA	42	8	2	4	7	21	-	-	-	21	1	2	1	1	3	1	2	-	1	-	-	33	2	2	2	3	
Holland	6	2	-	-	2	4	-	-	-	3	-	-	1	-	1	-	1	-	-	-	-	6	-	-	-	1	
Grand Haven	6	2	-	-	1	3	-	-	-	3	-	-	1	-	1	-	1	-	-	-	-	5	-	-	-	1	
Zeeland	1	-	-	-	-	-	-	-	-	14	-	2	-	3	-	1	-	1	-	-	-	21	2	2	2	2	
PRESQUE ISLE	7	-	1	1	-	2	3	-	-	5	1	-	1	-	-	-	-	-	-	-	-	7	-	-	-	-	
Rogers City	3	-	1	1	-	2	-	-	-	2	1	-	1	-	-	-	-	-	-	-	-	3	4	-	-	-	
Balance of County	4	-	-	-	-	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
ROSCOMON	2	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	
SAGINAW	163	43	17	16	20	96	3	5	3	107	7	5	4	3	6	1	5	1	1	1	3	144	9</td				

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

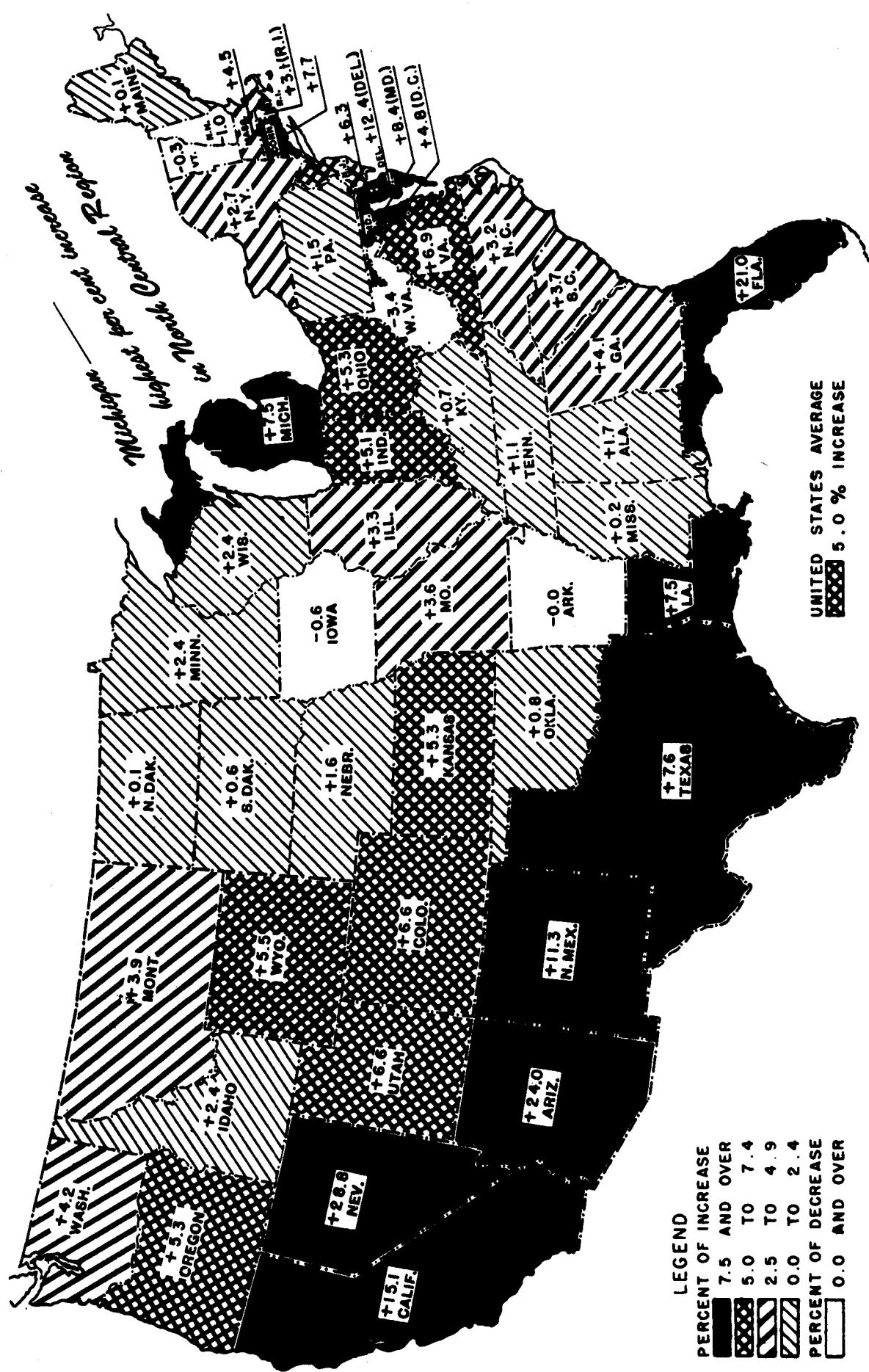
AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Wks	M O N T H S											Under 1 Yr	Y E A R S			
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4
SANILAC	22	6	-	5	1	12	1	1	-	14	3	-	1	-	-	1	-	-	-	-	-	19	-	2	1	-
SCHOOLCRAFT	7	1	-	-	1	2	1	-	-	3	-	1	1	-	1	-	1	-	-	-	-	7	-	-	-	-
Manistique	4	-	-	-	1	2	-	-	-	2	-	1	-	-	1	-	-	-	-	-	-	4	-	-	-	-
Balance of County	3	-	-	-	-	-	1	-	-	1	-	-	1	-	1	-	-	-	-	-	-	3	-	-	-	-
SHIAWASSEE	25	8	2	4	3	17	-	1	-	18	1	1	1	-	-	-	1	1	-	-	-	23	-	1	-	1
Owosso	9	5	-	-	2	7	-	1	-	8	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Durand	1	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Balance of County	15	3	2	3	1	9	-	-	-	9	1	1	1	-	-	-	1	1	-	-	-	14	-	1	-	-
TUSCOLA	34	9	3	1	2	15	1	3	-	19	3	1	2	2	2	-	-	-	1	-	-	30	-	2	1	1
Caro	4	1	-	-	-	1	-	1	-	2	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-
Vassar	3	-	1	1	-	2	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-
Balance of County	27	8	2	-	2	12	1	2	-	15	3	1	2	1	2	-	-	-	-	-	-	24	-	1	1	1
VAN BUREN	32	7	2	4	1	14	3	1	-	18	2	1	-	3	1	-	-	-	-	-	-	1	26	2	2	-
South Haven	9	1	1	3	-	5	-	1	-	6	-	-	1	-	-	-	-	-	-	-	-	8	1	2	2	-
Balance of County	23	6	1	1	1	9	3	-	-	12	2	1	2	1	1	-	-	-	-	-	-	18	-	1	2	-
WASHTENAW	116	34	11	12	9	66	5	3	2	76	5	7	6	2	2	3	1	-	-	-	-	102	4	4	-	6
Ann Arbor	23	9	2	3	2	16	-	-	-	16	-	1	2	-	-	-	-	-	-	-	-	20	1	-	-	1
Ypsilanti	20	5	-	1	3	9	4	2	1	16	-	2	-	-	-	-	-	-	-	-	-	19	1	-	-	-
Chelsea	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Milan (Part)	3	-	-	-	1	1	-	-	-	43	4	4	1	1	3	1	-	-	-	-	-	61	2	3	-	4
Balance of County	70	20	9	8	3	40	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WAYNE	1,995	707	197	120	159	1,183	60	42	28	1,313	99	67	54	37	39	30	18	23	15	12	19	1,726	104	61	57	47
Detroit	1,442	519	149	81	121	870	38	30	20	958	71	46	36	29	28	24	14	17	13	9	11	1,256	74	43	41	28
Dearborn	62	24	2	6	7	39	1	3	2	45	1	3	1	-	-	-	1	-	-	1	-	52	3	3	3	1
Hamtramck	34	13	3	1	2	19	19	3	-	-	22	2	-	2	1	-	-	-	-	-	-	29	2	-	3	1
Highland Park	34	8	4	5	2	19	1	-	-	20	4	1	-	-	1	1	-	-	-	-	-	28	2	-	2	1
Lincoln Park	30	15	1	1	3	20	-	1	1	22	-	-	1	2	2	1	-	1	2	1	-	26	2	1	2	-
Wyandotte	46	14	6	2	3	25	3	1	1	30	-	1	2	2	1	-	1	1	-	1	-	39	3	2	2	1
Allen Park	17	8	2	1	-	11	-	-	-	12	1	1	-	-	-	-	-	-	-	-	-	14	2	-	1	-
Ecorse	21	9	-	1	-	10	1	-	-	12	-	2	1	-	-	-	-	-	-	-	-	15	3	1	1	1
Grosse Pte. Park	5	1	-	1	-	1	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	6	-	-	-	2
Grosse Pte. Woods	6	3	1	-	-	4	-	-	-	4	2	-	-	-	3	-	-	-	-	-	-	25	5	-	-	1
Inkster	32	10	2	3	1	16	2	2	-	20	2	-	-	-	3	-	-	-	-	-	-	25	1	-	-	2
Livonia	27	10	3	2	1	16	1	-	-	17	2	3	1	-	-	2	-	-	-	-	-	19	1	-	-	2
River Rouge	22	8	2	-	1	11	-	-	-	12	1	1	-	-	-	-	-	-	-	-	-	10	3	-	-	-
Garden City	13	4	3	1	-	8	1	-	-	8	-	-	1	-	-	-	-	-	-	-	-	9	-	-	-	-
Grosse Pte.	9	2	4	-	2	8	-	-	-	8	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Grosse Pte. Farms	3	1	1	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Melvindale	7	3	-	-	3	1	1	-	-	5	-	1	-	-	1	-	-	-	-	-	-	7	-	-	-	-
Northville (Part)	4	3	-	1	-	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
Plymouth	3	-	1	-	-	1	-	1	-	2	-	-	1	-	-	-	-	-	-	-	-	3	-	-	-	-
Trenton	5	1	-	2	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	1	4	1	-	1
Wayne	17	7	1	1	2	11	-	-	-	11	1	-	1	-	1	-	1	-	1	-	-	13	2	-	1	1
Balance of County	156	44	12	12	13	81	8	3	1	93	12	6	10	3	3	3	1	3	1	2	1	137	1	9	3	6
WEXFORD	21	4	-	1	2	7	1	-	-	8	2	1	1	1	1	1	2	1	1	-	-	18	3	-	-	-
Cadillac	17	3	-	1	1	5	1	-	-	6	2	-	1	1	1	1	2	1	1	-	-	15	2	-	-	-
Balance of County	4	1	-	-	1	2	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	3	1	-	-	-

TABLE 12 - BIRTHS, DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, MARRIAGES, AND DIVORCES, AND RATES BY COUNTY: POPULATION MICHIGAN, 1953

(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, 1953	OCCURRENCE				RESIDENCE								MARRIAGES		DIVORCES*			
		Live Births		Deaths		Live Births		Deaths		All Ages		Infant		Neonatal		Maternal		Rate Persons Married	Rate Persons Divorced
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
STATE	6,852,000	181,479	26.5	61,833	9.0	182,968	26.7	62,087	9.1	4,726	25.8	3,389	18.5	79	4.3	53,308	15.6	16,537	4.8
Alcona	5,200	85	16.3	48	9.2	106	20.8	69	13.3	2	18.5	2	18.5	-	0	38	14.6	10	3.8
Alger	9,150	151	16.5	78	8.5	238	26.0	116	12.7	8	33.6	4	16.8	-	0	66	14.4	-	0
Allegan	49,800	967	19.4	471	9.5	1,307	26.2	518	10.4	30	23.0	19	14.5	-	0	355	14.3	91	3.7
Alpena	22,440	761	33.9	217	9.7	596	26.6	225	10.0	10	16.8	8	13.4	-	0	183	16.3	33	2.9
Antrim	10,170	139	13.7	118	11.6	229	22.5	145	14.3	6	26.2	5	21.8	-	0	92	18.1	18	3.5
Arenac	9,750	182	18.7	88	9.0	213	21.8	102	10.5	5	23.5	4	18.8	1	46.9	79	16.2	7	1.4
Baraga	7,100	139	19.6	84	11.8	171	24.1	100	14.1	5	29.2	3	17.5	-	0	63	17.7	3	0.8
Barry	28,930	569	19.7	279	9.6	640	22.1	308	10.6	12	18.8	9	14.1	-	0	192	13.3	50	3.5
Bay	93,200	2,688	28.8	922	9.9	2,592	27.8	933	10.0	86	33.2	41	15.8	5	19.3	788	16.9	217	4.7
Benzie	7,670	191	24.9	98	12.8	162	21.1	97	12.6	2	12.3	1	6.2	-	0	84	21.9	22	5.7
Berrien	133,580	3,527	26.4	1,252	9.4	3,768	28.2	1,285	9.6	92	24.4	65	17.3	2	5.3	1,098	16.4	348	5.2
Branch	32,760	600	18.3	391	11.9	622	19.0	325	9.9	10	16.1	7	11.3	-	0	201	12.3	73	4.5
Calhoun	123,230	3,932	31.9	1,348	10.9	3,446	28.0	1,228	10.0	95	27.6	64	18.6	5	14.5	950	15.4	475	7.7
Cass	32,170	439	13.6	292	9.1	653	20.3	377	11.7	25	38.3	19	29.1	-	0	227	14.1	77	4.8
Charlevoix	12,180	163	15.0	141	11.6	298	24.5	168	13.8	6	26.8	6	20.1	-	0	78	12.8	35	5.7
Cheboygan	12,780	373	29.2	150	11.7	350	27.4	158	12.4	14	40.0	12	34.3	1	28.6	121	18.9	20	3.1
Chippewa	30,010	882	29.4	301	10.0	830	27.7	310	10.3	32	38.6	25	30.1	-	0	333	22.2	40	2.7
Clare	10,180	205	20.1	124	12.2	247	24.3	113	11.1	7	28.3	6	24.3	-	0	83	16.3	20	3.9
Clinton	32,180	651	20.2	250	7.8	926	28.8	296	9.2	20	21.6	12	13.0	-	0	206	12.8	39	2.4
Crawford	4,070	204	50.1	87	21.4	94	23.1	54	13.3	-	0	-	0	-	0	28	13.8	11	5.4
Delta	31,680	941	29.7	332	10.5	875	27.6	354	11.2	18	20.6	12	13.7	-	0	240	15.2	48	3.0
Dickinson	22,960	647	28.2	290	12.6	502	21.9	225	9.8	10	19.9	5	10.0	-	0	255	22.2	33	2.9
Eaton	43,490	544	12.5	335	7.7	1,118	25.7	438	10.1	27	24.2	21	18.8	1	8.9	266	12.2	68	4.0
Emmet	15,820	616	38.9	242	15.3	418	26.4	175	11.1	13	31.1	8	19.1	-	0	151	19.1	20	2.5
Genesee	303,530	9,129	30.1	2,491	8.2	8,691	28.6	2,497	8.2	229	26.3	158	18.2	2	2.3	2,457	16.2	1,045	6.9
Gladwin	9,480	181	19.1	85	9.0	235	24.8	94	9.9	7	29.8	3	12.8	-	0	87	18.4	33	7.0
Gogebic	26,460	726	27.4	370	14.0	513	19.4	348	13.1	24	46.8	20	39.0	-	0	216	16.3	31	2.3
Grand Traverse	29,820	1,047	35.1	619	20.8	754	25.3	249	8.4	25	33.2	15	19.9	-	0	265	17.8	40	2.7
Gratiot	33,870	773	22.8	374	11.0	914	27.0	368	10.9	19	20.8	15	16.4	-	0	251	14.8	62	3.7
Hillsdale	33,150	556	16.8	306	9.2	743	22.4	361	10.9	12	16.1	7	9.4	-	0	183	11.0	72	4.3
Houghton	35,080	755	21.5	527	15.0	673	19.2	553	15.8	19	28.2	12	17.8	-	0	284	16.2	29	1.7
Huron	33,240	937	28.2	339	10.2	955	28.7	370	11.1	27	28.3	17	17.8	-	0	243	14.6	20	1.2
Ingham	191,960	5,870	30.6	1,506	7.6	4,978	25.9	1,477	7.7	132	26.5	87	17.5	1	2.0	1,687	17.6	639	6.7
Ionia	37,700	492	13.1	320	8.5	974	25.8	378	10.0	15	15.4	8	8.2	2	20.5	285	15.1	75	4.0
Iosco	12,360	204	16.5	110	8.9	324	26.2	137	11.1	9	27.8	7	21.6	-	0	91	14.7	25	4.0
Iron	18,160	439	24.2	195	10.7	409	22.5	212	11.7	6	14.7	4	9.8	1	24.4	155	17.1	23	2.5
Isabella	29,400	875	29.8	229	7.8	838	28.5	265	9.0	24	28.6	17	20.3	-	0	248	16.9	36	2.4
Jackson	114,400	3,080	26.9	1,156	10.1	2,907	25.4	1,146	10.0	72	24.8	54	18.6	-	0	872	15.2	388	6.8
Kalamazoo	136,460	3,634	26.6	1,370	10.0	3,604	26.4	1,130	8.3	87	24.1	63	17.5	1	2.8	964	14.1	440	6.4
Kalkaska	4,320	12	2.8	27	6.2	79	18.3	41	9.5	1	12.7	-	0	-	0	39	16.1	7	3.2
Kent	312,870	9,144	29.2	3,027	9.7	8,610	27.5	2,884	9.2	182	21.1	131	15.2	-	0	2,579	16.5	823	5.3
Keweenaw	2,670	2	0.7	16	6.0	47	17.6	40	15.0	-	0	-	0	-	0	23	17.2	3	2.2
Lake	4,870	26	5.3	53	10.9	85	17.5	81	16.6	2	23.5	2	23.5	-	0	27	11.1	-	0
Lapeer	39,140	333	8.5	315	8.0	847	21.6	366	9.4	23	27.2	16	18.9	1	11.8	235	12.0	36	1.8
Leelanau	8,700	36	4.1	54	6.2	200	23.0	76	8.7	2	10.0	2	10.0	-	0	53	12.2	5	1.1
Lenawee	71,280	1,994	28.0	627	8.8	1,848	25.9	688	9.7	60	32.5	39	21.1	2	10.8	435	12.2	197	5.5
Livingston	28,680	511	17.8	265	9.2	694	24.2	321	11.2	19	27.4	14	20.2	-	0	149	10.4	62	4.3
Luce	7,290	191	26.2	170	23.3	161	22.1	66	9.1	2	12.4	1	6.2	-	0	69	18.9	-	0
Mackinac	8,750	47	5.4	62	7.1	226	25.8	102	11.7	5	22.1	2	8.8	-	0	63	14.4	15	3.4
Macomb	222,120	3,950	17.8	1,296	5.8	7,466	33.6	1,596	7.2	180	24.1	137	18.3	5	6.7	1,456	13.1	575	5.2
Manistee	18,050	368	20.4	215	11.9	410	22.7	240	13.3	7	17.1	5	12.2	-	0	131	14.5	7	0.8
Marquette	48,220	1,220	25.3	552	11.4	1,156	24.0	557	11.6	37	32.0	27	23.4	-	0	404	16.8	58	2.4
Mason	20,760	436	21.0	212	10.2	443	21.3	240	11.6	13	29.3	10	22.6	1	22.6	145	14.0	29	2.8
Mecosta	17,930	284	15.8	184	10.3	387	21.6	188	10.5	6	15.5	4	10.3	-	0	129	14.4	41	4.6
Menominee	24,980	650	26.0	250	10.0	603	24.1	253	10.1	11	18.2	7	11.6	-	0	218	17.5	28	2.2
Midland	39,130	1,254	32.0	214	5.5	1,281	32.7	244	6.2	27	21.1	17	13.3	-	0	257	13.1	85	4.3
Missaukee	6,970	10	1.4	37	5.3	158	22.7	70	10.0	1	6.3	-	0	-	0	46	13.2	2	0.6
Monroe	85,020	1,716	20.2	588	6.9	2,352	27.7	714	8.4	73	31.0	47	20.0	-	0	919	21.6	88	2.1
Montcalm	33,170	1,242	37.4	412	12.4	794	23.9	421	12.7	37	46.6	26	32.7	-	0	297	17.9	20	1.2
Montgomery	3,870	6	1.6	18	4.7	103	26.6	32	8.3	1	9.7	1	9.7	-	0	37	19.1	5	2.6
Muskegon	132,120	3,903	29.5	1,069	8.1	4,120	31.2	1,138	8.6	129	31.3	75	18.2	-	0	1,163	17.6		

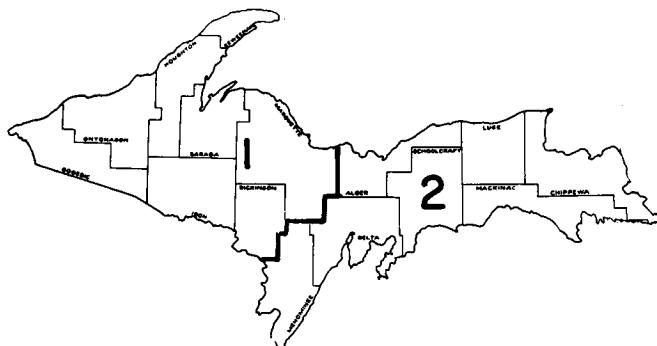
PERCENT OF CHANGE IN TOTAL POPULATION OF STATES : 1950 TO 1953



POPULATION CHANGES BY ECONOMIC AREAS

PERCENTAGE DISTRIBUTION

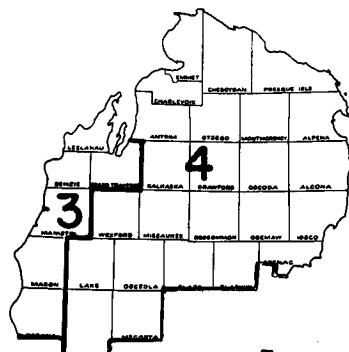
MICHIGAN 1930, 1940, 1950, 1953



UPPER PENINSULA

	1930	1940	1950	1953
TOTAL	6.6	6.1	4.7	4.3
Area 1	4.2	3.8	2.8	2.5
Area 2	2.4	2.3	1.9	1.8

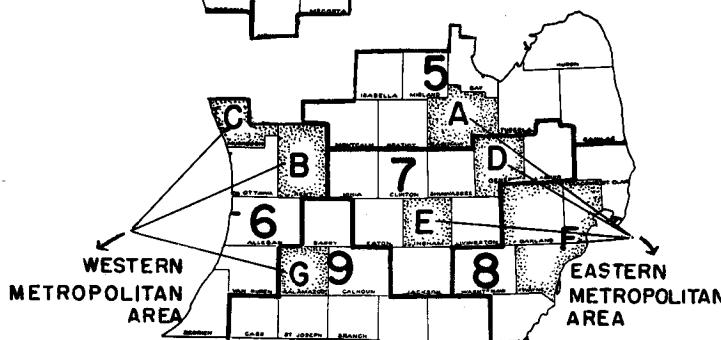
LOWER PENINSULA



UPPER PART

	1930	1940	1950	1953
TOTAL	6.2	6.4	5.7	5.2
Area 3	1.8	1.8	1.6	1.5
Area 4	4.4	4.6	4.1	3.7

LOWER PART



1930 1940 1950 1953

	1930	1940	1950	1953
TOTAL	87.2	87.5	89.6	90.5
Area 5,A	7.8	7.9	7.4	7.2
Area 6,B,C	11.0	10.8	10.8	11.0
Area 7,D,E	12.4	12.2	12.1	12.2
Area 8,F	48.7	49.4	52.0	52.9
Area 9,G	7.3	7.2	7.3	7.2
Metropolitan Areas	62.9	62.9	65.1	66.2
A	2.5	2.5	2.4	2.3
B	5.0	4.7	4.5	4.6
C	1.7	1.8	1.9	1.9
D	4.4	4.3	4.3	4.4
E	2.4	2.5	2.7	2.8
F	45.0	45.2	47.3	48.2
G	1.9	1.9	2.0	2.0
Western (B,C,G)	8.6	8.4	8.4	8.5
Eastern (A,D,E,F)	54.3	54.5	56.7	57.7
Non-Metropolitan Areas	24.3	24.6	24.5	24.3

The distribution of Michigan's population is very uneven, with 90% residing in the lower part of the Lower Peninsula. This large portion of the population is concentrated in thirty-eight of the eighty-three counties of the State. The remaining 10% are almost equally divided between the Upper Peninsula and the upper part of the Lower Peninsula. Since 1930 the trend in the latter two areas has been a proportionately decreasing one, while the lower part of the Lower Peninsula has gradually increased proportionately. This increase in the lower part of the Lower Peninsula was almost entirely due to the increase in the metropolitan areas, since the non-metropolitan areas have remained approximately the same.

Note: Letters and numbers on map indicate economic areas, metropolitan and non-metropolitan, respectively, as used by the U.S. Bureau of Census. Since the numbered (non-metropolitan) and lettered (metropolitan) areas are mutually exclusive, each area delineated by a colored line includes both the numbered and lettered areas.

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, 1953

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

AREA	Population Estimates July 1, 1953	Live Births										Deaths										
		Place of Delivery					Place of Residence					All Ages					Infant Deaths					
		Number Born in Plural Births		Number Rate		Number Rate	Number Born in Plural Births		Number Rate		Number Rate	Color		Male Female		Fetal Deaths		Neonatal Number Rate		Maternal Number Rate		
OCCURRENCE		Number	Births	Number	Births	Rate	Number	Births	Number	Births	Rate	White	Non-White	Male	Female	Illegitimacy	Fetal Deaths	All Ages Number Rate	Infant Number Rate	Neonatal Number Rate	Maternal Number Rate	
STATE	6,852,000	181,479	26.5	61,833	9.0	182,968	26.7	3,989	62	180,546	2,422	2,276	47	99	94,116	88,852	104,676	18,292	4,770	3,180	62,087	9.1
ALDONA	5,200	65	16.3	48	9.2	106	20.8	6	-	94	14	14	-	-	54	54	108	-	2	3	69	13.3
ALER	9,150	151	16.5	78	8.5	238	26.0	8	-	238	-	-	-	-	123	115	237	1	5	6	116	12.7
Munising	4,630	151	37.5	44	10.9	109	27.0	-	-	109	-	-	-	-	47	62	109	-	3	2	43	10.7
Balance of County	5,120	-	0	34	6.6	129	25.2	8	-	129	-	-	-	-	76	53	128	1	2	4	73	14.3
ALLIANCE	49,800	967	19.4	471	9.5	1,307	26.2	32	-	1,280	27	27	-	-	652	655	1,293	14	20	19	518	10.4
Allegan	4,960	472	96.2	80	16.1	103	20.8	2	-	103	-	-	-	-	52	51	98	5	4	2	66	13.3
Otsego	4,180	1	0.2	28	6.7	103	24.6	2	-	103	-	-	-	-	48	34	62	-	2	4	45	10.8
Plainwell	2,870	304	126.6	77	26.6	1,019	28.6	6	-	62	-	-	-	-	501	518	1,010	9	14	15	371	9.8
Balance of County	37,790	130	3.4	286	7.6	1,019	27.0	22	-	992	27	27	-	-	-	-	-	-	23	22.6	14	13.7
ALPENA	22,440	761	32.9	217	9.7	506	26.6	26	-	505	1	-	-	-	290	306	506	-	8	12	225	10.0
Alpena	13,270	760	57.3	164	12.4	361	27.2	14	-	361	-	-	-	-	173	188	361	-	6	139	10.5	12.6
Balance of County	9,170	1	0.1	53	5.8	235	25.6	12	-	234	1	-	-	-	117	118	235	-	3	6	86	9.4
APRILIN	10,170	139	13.7	116	11.6	229	22.5	4	-	216	13	12	-	-	125	104	226	3	2	3	145	14.3
ARENAC	9,750	182	18.7	86	9.0	213	21.8	4	-	206	5	4	-	-	115	98	212	1	8	4	102	10.5
BARAGA	7,100	139	19.6	84	11.8	171	24.1	2	-	164	7	4	-	-	94	77	169	2	2	1	100	14.1
BARRY	28,330	569	19.7	279	9.6	640	22.1	6	-	633	7	6	-	-	316	324	637	3	9	10	308	10.6
Hastings	6,720	563	83.8	165	24.6	126	18.7	2	-	126	-	-	-	-	67	59	126	-	-	-	771	11.5
Balance of County	22,210	6	0.3	114	5.1	514	23.1	4	-	507	7	6	-	-	249	265	511	3	9	7	231	10.4
BAY	33,200	2,688	28.8	922	9.9	2,502	27.8	42	-	2,546	45	45	-	-	1,261	1,231	2,580	12	47	43	933	10.0
Bay City	2,669	46.4	749	13.6	1,459	26.5	31	-	1,435	24	23	-	-	775	684	1,447	12	34	31	639	11.6	
Essenville	3,330	19	0.5	165	4.8	1,011	35.6	1	-	1,122	22	22	-	-	61	61	122	-	12	10	261	7.5
Balance of County	34,660	19	0.5	165	4.8	1,011	29.2	10	-	989	22	-	-	-	525	486	1,011	-	-	-	247	11.9
BERKIE	7,670	191	24.9	98	12.8	162	21.1	5	-	156	6	5	-	-	89	73	159	3	2	4	97	12.6
Benton Harbor	3,527	1,108	50.3	229	10.4	3,766	28.2	94	-	3,702	66	53	11	2	1,909	1,859	3,378	390	74	40	1,285	9.6
Niles	15,390	1,066	68.6	202	13.1	504	36.6	8	-	503	5	4	1	-	366	367	613	120	24	6	216	9.9
St. Joseph	11,700	859	73.4	189	16.2	300	25.6	6	-	296	1	2	-	-	159	141	298	27	27	1	151	10.8
Buchanan	6,020	486	6.0	24	4.0	153	25.4	4	-	148	5	5	-	-	70	83	133	20	3	27	56	9.6
Balance of County	78,450	300	6.3	608	7.8	2,018	25.7	55	-	1,905	53	41	10	-	1,020	998	1,797	221	34	27	730	44
BRAANCH	32,760	600	18.3	391	11.9	622	22.9	10	-	617	5	5	-	-	330	292	621	1	6	8	325	9.9
Coldwater	9,380	559	63.8	261	27.8	3,766	28.2	94	-	205	2	2	-	-	113	94	207	-	3	3	114	12.2
Balance of County	23,380	2	0.1	130	5.6	415	17.8	6	-	412	3	3	-	-	217	198	414	1	5	6	211	9.0
CALDIRON	3,922	311	31.9	1,346	10.9	3,446	28.0	55	-	3,433	13	12	1	-	1,816	1,628	3,134	312	96	62	1,226	10.0
Battle Creek	3,077	61.9	765	15.4	1,391	28.0	27	-	1,381	10	9	1	-	738	653	1,174	217	61	29	599	12.1	
Albion	10,600	551	52.0	137	12.9	325	30.7	2	-	324	1	1	-	-	169	151	298	20	5	5	128	10.0
Marshall	5,790	300	51.8	82	14.2	156	26.9	6	-	156	2	-	-	-	80	80	156	1	3	3	74	12.8
Balance of County	57,150	4	0.1	364	6.4	1,574	27.5	20	-	1,572	2	-	-	-	831	743	1,547	27	18	28	449	7.9
CASS	32,170	439	13.6	292	9.1	653	20.3	11	3	644	9	-	-	-	322	331	569	64	10	10	377	11.7
Dowagiac	7,600	415	54.6	120	15.8	1,391	25.1	-	-	1,391	190	1	-	-	69	102	170	21	3	1	83	10.9
Balance of County	24,570	24	1.0	172	7.0	462	18.6	11	3	454	6	8	-	-	233	229	419	43	7	9	294	12.0
CHARLEVOIX	12,180	183	15.0	141	11.6	298	24.5	4	-	297	11	2	2	-	146	152	285	13	12	4	168	12.4
Bonne City	2,740	3	1.1	20	7.3	67	24.5	-	-	67	2	2	-	-	36	31	67	-	3	1	36	14.8
Charlevoix	2,440	154	63.1	45	18.4	62	25.4	-	-	62	-	-	-	-	30	32	58	4	3	3	36	14.8
Balance of County	7,000	26	3.7	76	10.9	169	24.1	4	-	160	9	-	-	-	80	89	160	9	6	2	86	12.3
CREBOGAN	12,780	373	29.2	150	11.7	350	27.4	12	-	281	69	-	-	-	182	168	348	2	14	12	158	12.4
Cheboygan	5,340	329	61.6	99	18.5	155	29.0	4	-	131	24	24	-	-	78	77	155	-	104	91	193	2.2
Balance of County	7,440	44	5.9	51	6.9	195	26.2	8	-	150	45	45	-	-	146	152	285	13	2	4	113	11.1
CHIPPENEAU	30,010	882	29.4	301	10.0	830	27.7	19	-	824	6	3	-	-	430	400	826	4	19	16	310	10.3
Sault Ste. Marie	18,500	677	47.4	247	13.4	535	30.0	11	-	534	1	3	-	-	269	266	552	1	10	10	199	8.8
Balance of County	11,510	54	0.4	54	4.7	275	23.9	8	-	270	5	3	2	-	141	134	274	1	10	10	111	9.6
CLARE	10,180	206	20.1	124	12.2	247	24.3	8	-	233	14	13	1	-	127	120	246	1	5	4	113	11.1

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 (Continued)

AREA	Population Estimates July 1, 1953	OCCURRENCE												RESIDENCE																	
		Live Births						Deaths						Live Births						Deaths											
		Number	Rate	Deaths	Number	Rate	Rate	Number	Rate	Plural Births	Hospital	Non-Hospital	Total	Place of Delivery	Sex	Male	Female	Color	White	Non-White	Illegitimacy	Fetal Deaths	All Ages	Number	Rate	Neonatal	Number	Rate			
CLINTON	32,180	651	20.2	250	7.8	926	28.8	24	-	917	9	6	-	1	449	477	925	1	18	11	296	9.2	20	21.6	12	13.0	-	0			
St. Johns	5,040	642	127.4	111	22.0	132	26.2	4	-	132	-	62	70	1	2	50	5.9	1	7.6	-	0	1	12	13.7	-	0	0				
Balance of County	27,140	9	0.3	139	5.1	794	29.3	20	-	785	9	8	-	1	387	407	793	1	16	9	246	9.1	19	23.9	12	15.1	-	0			
CRAWFORD	4,070	204	50.1	87	21.4	94	23.1	2	-	94	-	-	-	1	42	52	93	1	1	5	54	13.3	-	0	-	0	-	0			
DELAWARE	31,680	941	29.7	332	10.5	875	27.6	23	-	851	24	5	-	1	19	413	668	7	9	13	354	11.2	18	20.6	12	13.7	-	0			
Escanaba	14,650	924	63.1	244	16.7	414	26.3	11	-	407	7	7	234	180	414	-	4	2	8	162	11.1	8	19.3	1	12.1	-	0				
Gladstone	4,770	3	0.6	28	5.9	145	30.4	-	-	142	3	2	-	1	77	68	145	-	5	55	11.5	4	27.6	3	20.7	-	0				
Balance of County	12,260	14	1.1	60	4.9	316	25.6	12	-	302	14	3	-	11	151	165	309	7	3	5	137	11.2	6	19.0	4	12.7	-	0			
DICKINSON	22,960	647	28.2	290	12.6	502	21.9	15	-	500	2	2	-	1	253	249	502	-	6	4	225	9.8	10	19.9	5	10.0	-	0			
Iron Mountain	8,860	466	52.6	200	22.6	163	18.4	2	-	163	-	-	-	1	88	80	163	-	6	4	102	11.5	4	24.5	2	12.3	-	0			
Kingsford	4,780	-	0	11	2.3	151	31.6	2	-	151	-	-	-	1	88	63	151	-	3	1	43	9.0	3	19.9	2	13.2	-	0			
Norway	3,000	178	59.3	43	14.3	69	23.0	6	-	69	-	-	-	1	23	46	69	-	2	33	11.0	2	29.0	1	20.7	-	0				
Balance of County	6,320	3	0.5	36	5.7	119	18.8	5	-	117	2	2	-	1	59	60	119	-	3	2	47	7.4	1	6.4	-	0	-	0			
EATON	43,490	544	12.5	335	7.7	1,118	25.7	29	3	1,113	5	5	-	1	536	582	1,116	2	14	12	438	10.1	27	24.2	21	18.8	1	6.9			
Charlotte	7,080	307	43.4	94	13.3	179	25.3	4	3	179	-	-	-	1	96	83	179	-	3	2	79	11.2	1	5.6	1	55.9	-	0			
Eaton Rapids	3,780	231	61.1	46	12.2	67	23.0	4	-	67	-	-	-	1	41	46	87	-	2	3	60	12.1	6	42.6	5	35.5	-	0			
Grand Ledge	4,970	4	0.8	39	7.8	141	28.4	8	-	137	4	4	-	1	70	71	141	-	2	9	329	7.0	2	9	17	23.9	12	16.9			
Balance of County	27,660	2	0.1	156	5.6	711	25.7	13	-	710	1	1	-	1	329	382	709	-	5	3	250	9.0	17	26.3	1	20.4	-	0			
EMMETT	15,820	616	38.9	242	15.3	418	26.4	16	-	410	8	7	-	1	218	200	410	17	9	4	175	11.1	13	31.1	8	19.1	-	0			
Petoskey	6,240	609	97.6	202	32.4	206	32.9	12	-	206	6	7	-	1	104	196	9	6	2	78	12.5	2	34.1	4	19.5	-	0				
Balance of County	9,580	7	0.7	40	4.2	213	22.2	4	-	205	1	1	-	1	114	99	205	8	3	2	97	10.1	6	26.2	4	16.8	-	0			
GENESEE	303,530	9,129	30.1	2,491	8.2	8,691	28.6	137	3	8,640	51	47	4	-	4,505	4,186	8,001	690	191	138	2,497	8.2	229	26.3	158	18.2	2	2.3			
Flint	161,880	8,999	49.0	1,877	10.3	5,051	27.8	82	3	5,027	24	22	2	-	2,593	2,456	4,366	685	147	69	1,537	8.5	116	26.9	103	20.4	1	2.0			
Fenton	4,730	1	0.1	47	7.8	68	22.6	12	-	327	2	2	-	1	76	77	153	-	1	3	145	12.6	3	19.6	2	13.1	-	0			
Mount Morris	3,520	-	0	20	5.9	61	17.9	-	-	61	-	-	-	1	31	30	61	-	1	1	54	15.6	2	32.6	2	32.6	-	0			
Balance of County	113,400	219	1.9	13	3.7	177	50.3	2	-	177	-	-	-	1	36	30	66	-	1	1	37	11.2	1	11.3	2	11.3	-	0			
GLADWIN	9,490	181	19.1	85	9.0	553	4.9	53	-	3,295	25	23	2	-	1,737	1,573	3,305	5	33	44	870	7.7	87	26.3	51	15.4	1	3.0			
GRANGE	29,820	1,047	35.1	619	20.8	754	25.3	13	-	754	9	9	-	1	126	109	235	-	3	3	94	9.9	7	29.8	3	12.8	-	0			
Traverse City	11,320	726	27.4	370	14.0	513	19.4	16	-	510	3	2	-	1	259	254	512	-	1	6	11	348	13.1	24	46.8	20	39.0	-	0		
Bessemer	3,410	256	22.6	68	7.8	237	20.9	12	-	237	-	-	-	1	117	120	237	-	3	3	102	8.3	9	16.6	12	10.2	-	0			
Mackinaw	3,310	-	0	20	5.9	61	17.9	-	-	61	-	-	-	1	31	30	61	-	1	1	34	9.7	3	16.9	2	13.1	-	0			
Balance of County	8,440	287	34.0	174	20.6	66	19.9	2	-	147	2	2	-	1	75	74	149	-	1	1	112	13.3	6	53.7	8	53.7	-	0			
GRAND TRAVERSE	29,820	1,047	35.1	619	20.8	754	25.3	13	-	754	9	9	-	1	329	392	750	4	16	12	249	8.4	25	33.2	158	19.9	2	2.3			
Alma	17,560	763	90.8	170	21.3	201	23.9	2	-	199	2	2	-	1	205	213	416	2	2	9	11	147	8.4	11	36.3	12	28.7	-	0		
St. Louis	3,380	2	0.6	38	11.2	97	28.7	2	-	97	2	2	-	1	167	169	334	2	2	7	3	102	8.3	9	16.6	12	13.9	-	0		
Balance of County	22,090	8	0.4	157	7.1	616	27.9	14	-	607	9	9	-	1	300	316	615	1	8	18	306	10.9	19	20.8	15	16.4	0	0			
HILLSDALE	33,150	556	16.8	306	9.2	743	22.4	15	-	736	7	7	-	1	167	167	668	3	6	12	361	10.9	12	16.1	7	9.4	-	0			
Hillsdale	7,570	535	70.7	149	19.7	168	22.2	7	-	167	1	1	-	1	309	353	740	3	5	1	2	75	9.9	4	23.8	2	11.9	-	0		
Balance of County	25,580	21	0.8	157	6.1	575	22.5	8	-	569	6	6	-	1	309	266	572	3	5	10	286	11.2	6	13.9	5	8.7	-	0			
HURON	33,240	937	26.2	339	10.2	955	28.7	19	-	940	15	14	1	-	478	477	952	3	12	19	370	11.1	17	28.3	17	17.8	-	0			
Bad Axe	3,000	755	21.5	527	15.6	673	19.2	16	-	666	7	6	-	1	95	97	1	1	1	1	537	9.4	4	31	10.3	2	10.5	-	0		
Balance of County	30,240	549	18.2	274	9.1	860	28.4	19	-	845	14	14	1	-	426	434	858	2	12	15	339	11.2	25	29.1	16	18.6	-	0			
INGHAM	191,960	5,870	30.6	1,506	7.8	4,978	25.9	118	4	4,958	20	19	-	1	54	46	94	-	1	2	1,312	1,206	2,387	131	73	1,477	7.7	67	17.5	1	2.0
Lansing	101,490	5,574	54.9	1,109	10.9	2,518	24.8	56	4	2,508	10	10	1	-	1,260	1,122	1,122	6	1	1	1,260	1,122	1,122	101	73	1,852	8.4	61	24.2	43	17.1
East Lansing	22,500	-	0	32	1.4	519	23.1	14	-	519	1	1	-	1	55	46	101	-	1	1	44	11.5	3	29.7	3	29.7	-	0			
Rason	3,820	181	47.4	309	4.8	1,840	28.7	42	-	1,831	9	8	-	1	54	46	101	-	1	1	44	11.5	3	29.7	3	29.7	-	0			
TONAWANDA	37,700	492	13.1	324	8.5	974	25.8	24	-	494	20	19	-	1	513	461	974														

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 (continued)

AREA	Population Estimates July 1, 1953	RESIDENCE													
		Live Births						Deaths							
		OCCURRENCE		Live Births Number	Deaths Number	Rate	Rate	Place of Delivery		Place of Birth		All Ages Number		Infant Deaths Number	
AREA	Population Estimates July 1, 1953	Number	Rate	Number	Rate	Number	Rate	Number	Total	Hospital	Non-Hospital	Physician	Non-Physician	Neonatal Rate	
		Number	Rate	Number	Rate	Number	Rate	Number	Total	Hospital	Non-Hospital	Physician	Non-Physician	Maternal Number Rate	
IRON Iron River	16,160	439	24.2	195	10.7	409	22.5	10	-	390	29	29	-	226	14.7
Balance of County	4,160	9	2.2	34	6.2	100	24.0	-	-	92	8	-	-	57	2
ISABELLA Mount Pleasant	14,000	430	30.7	161	11.5	309	22.1	10	-	288	21	21	-	169	2
KALAMAZOO Kalamazoo	29,400	875	29.8	229	7.6	838	26.5	14	-	822	16	14	1	423	1
Balance of County	11,650	864	74.2	142	12.2	361	31.0	4	-	358	3	1	1	182	1
LAKES Kalkaska	17,750	11	0.6	87	4.9	477	26.9	10	-	464	13	13	-	241	1
JACKSON Jackson	114,400	3,080	26.9	1,156	10.1	2,907	25.4	59	-	2,900	7	7	-	1,510	1
Balance of County	54,430	547	54.7	766	14.1	1,465	26.9	36	-	1,465	7	7	-	784	1
KENT Grand Rapids	59,970	105	1.8	390	6.5	1,442	24.0	24	-	1,435	7	7	-	726	1
E. Grand Rapids	6,660	3,492	56.7	1,370	10.0	3,604	26.4	75	-	3,594	10	9	1	1,843	1
Balance of County	74,820	142	1.9	306	4.1	2,060	27.5	45	-	2,055	5	5	-	907	1
LAKE Lapeer	4,320	12	2.8	27	6.2	79	18.3	-	-	73	6	5	-	1	1
Balance of County	113,200	105	0.9	734	6.5	3,250	28.7	64	-	3,200	50	46	-	42	1
KENOSHA Kenosha	2,670	2	0.7	16	6.0	47	17.6	-	-	45	2	2	-	25	1
LAKE Muskegon	4,870	26	5.3	53	10.9	95	17.5	-	-	84	1	1	-	36	1
LAKER Laker	39,140	333	6.5	315	8.0	847	21.6	28	-	806	41	41	-	423	1
Balance of County	6,720	66	9.8	115	17.1	3,027	9.7	8,610	27.5	161	3	5,165	88	1	
LAWRENCE Lawrence	32,420	267	8.2	200	6.2	666	20.5	24	-	630	36	36	-	2,726	2
LEE COUNTY Lee County	43,300	199	4.6	267	6.6	200	6.2	20	-	198	2	-	-	1,649	1
LIVINGSTON Livingston	28,680	511	17.8	265	9.2	694	24.2	10	-	684	10	9	-	946	1
BALANCE OF COUNTY Huron	23,970	64	2.7	85	18.0	1,848	25.9	57	-	1,805	43	42	-	902	1
LUDINGTON Ludington	7,290	191	26.2	170	23.3	627	30.6	17	-	618	9	9	-	326	1
Balance of County	2,530	187	73.9	37	14.6	58	19.3	-	-	55	-	-	-	24	1
MACKINAC Mackinac	4,760	4	0.9	133	27.9	101	22.9	2	-	100	1	1	-	56	1
MANISTEE Manistee	5,890	33	5.6	56	6.6	1,062	24.5	38	-	1,029	33	32	-	536	1
MARquette Marquette	222,120	3,950	17.8	1,296	5.8	7,466	33.6	125	2	7,361	105	104	-	1,347	1
MICHIGAN Michigan	26,250	9	0.3	436	16.8	947	36.1	20	-	936	11	25	-	642	1
MONTGOMERY Montgomery	21,790	2,872	131.1	438	20.1	1,372	63.0	24	-	1,312	6	6	-	679	1
MUSKEGON Muskegon	20,460	3	0.1	51	2.5	1,318	64.4	16	-	1,010	4	4	-	513	1
NEWBERRY Newberry	24,260	4	0.2	64	2.6	1,014	41.8	9	-	464	4	4	-	232	1
NIAGARA Niagara	9,020	3	0.3	16	1.6	464	47.2	13	-	1,008	3	3	-	64	1
ROCHESTER Rochester	3,490	4	1.1	33	9.5	111	31.8	-	-	2,188	52	-	-	1,446	1
BALANCE OF COUNTY Wayne	116,050	1,055	9.1	646	5.6	2,240	19.3	43	-	1,052	12	12	-	1,092	2
WEXFORD Wexford	18,050	348	20.4	215	11.9	410	22.7	10	-	396	12	12	-	189	1
WILMINGTON Wilmington	8,450	327	38.7	118	14.0	198	23.4	4	-	192	6	6	-	86	1
ZEEB Zeeb	9,600	41	4.3	97	10.1	212	22.1	6	-	104	108	107	-	104	1
MARquette Marquette	1,220	25.3	552	11.4	1,156	24.0	33	-	-	1,151	5	3	-	588	1
MICHIGAN Michigan	17,530	822	46.9	272	15.5	416	23.7	19	-	308	1	-	-	106	1
MONTGOMERY Montgomery	9,090	379	41.7	123	3.5	299	23.0	2	-	209	-	-	-	106	1
MUSKEGON Muskegon	6,570	14	2.1	52	10.2	79	17.2	-	-	108	1	-	-	89	1
ROCHESTER Rochester	15,030	5	0.3	105	7.0	359	23.9	6	-	208	2	2	-	357	2
WILMINGTON Wilmington	9,600	41	4.3	198	10.1	212	22.1	6	-	197	1	-	-	197	1
MARquette Marquette	20,760	436	21.0	212	10.2	443	21.3	18	-	436	7	7	-	222	1
MICHIGAN Michigan	9,750	431	44.6	149	15.4	218	22.5	12	-	215	3	4	-	218	1
MONTGOMERY Montgomery	11,690	5	0.5	63	5.7	225	20.3	6	-	221	4	4	-	112	1
ROCHESTER Rochester	17,330	284	15.8	184	10.3	387	21.6	2	-	372	15	15	-	213	1
WILMINGTON Wilmington	6,390	241	37.7	118	11.9	150	23.5	2	-	149	1	1	-	72	1
MARquette Marquette	11,540	43	3.7	108	9.4	237	20.5	-	-	102	14	14	-	102	1

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, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (Continued)

OCCURRENCE	AREA	RESIDENCE																											
		Live Births						Deaths																					
		Population Estimates July 1, 1953	Live Births Number	Deaths Number	Rate	Rate	Total	Number	Rate	Non-Hospital	Hospital	Physician	Other	Sex	Color	White Non-White	Illegitimacy	Fetal Deaths	All Ages Rate	Infant Number Rate	Neonatal Number Rate	Maternal Number Rate							
MENOMINEE	Menominee	24,980	603	24.1	16	-	602	1	1	-	-	-	309	294	597	6	5	253	10.1	11	18.2	7	11.6	-	0				
	Balance of County	11,120	544	48.9	1.79	5.1	246	22.3	4	-	247	-	-	145	103	249	-	1	1	120	10.6	5	24.2	-	0				
MIDLAND	Midland	106	7.6	7.1	5.1	-	355	25.6	12	-	355	-	-	164	191	349	6	4	1	133	9.6	5	14.1	2	5.6	-	0		
	Milan (Part)	1,254	32.0	214	5.5	1,281	32.7	28	-	1,265	16	14	2	689	592	1,281	-	11	17	244	6.2	27	21.1	17	13.3	-	0		
	Balance of County	16,080	1,243	77.3	9.0	650	40.4	14	-	646	4	4	-	354	296	650	-	6	1	113	7.0	12	18.5	10	15.4	-	0		
MISSOURI	Missouri	6,970	10	1.4	37	5.3	631	27.4	14	-	619	12	10	2	335	296	631	-	5	7	131	5.7	15	23.8	7	11.1	-	0	
MONROE	Monroe	85,020	1,716	20.2	586	6.9	2,352	27.7	58	6	2,334	18	18	-	1,208	1,144	2,369	43	23	54	714	8.4	73	31.0	47	20.0	-	0	
	Balance of County	24,450	1,700	69.6	285	11.7	740	30.3	19	3	740	-	-	-	380	360	711	29	12	22	210	8.6	13	17.6	8	10.6	-	0	
MONTGOMERY	Montgomery	59,680	16	0.3	296	5.0	1,590	26.6	39	3	1,572	18	18	-	815	775	1,580	10	10	32	491	8.2	58	36.5	38	23.9	-	0	
MONTGOMERY	Greenville	33,170	1,242	37.4	412	12.4	794	23.9	14	-	146	10	10	-	70	68	157	1	1	7	70	10.0	1	6.3	-	0			
	Balance of County	7,220	1,557	77.1	116	16.1	204	25.3	2	-	202	2	2	-	1,206	1,144	2,369	-	17	12	421	12.7	37	46.6	26	32.7	-	0	
MONTGOMERY	Fremont	3,670	6	1.6	18	4.7	103	26.6	2	-	97	6	6	-	51	52	102	1	1	2	32	8.3	1	9.7	-	0			
MUSKOGEE	Muskegon	132,120	3,903	29.5	1,069	8.1	4,120	31.2	104	-	4,081	39	34	-	5	2,006	2,024	3,671	449	120	86	1,138	8.6	129	31.3	75	18.2	-	0
	Muskegon Heights	52,560	3,076	73.7	731	13.9	1,606	30.6	37	-	1,587	9	9	-	5	800	806	1,461	145	62	34	150	10.0	42	26.2	25	15.6	-	0
MUSKOGEE	Balance of County	56,920	4	0.2	50	2.4	666	32.3	19	5	661	5	5	-	346	320	405	261	14	3	150	7.3	22	33.0	13	19.5	-	0	
NEMANZO	Nemano	22,880	560	24.5	25	9.8	539	23.6	8	-	522	17	16	-	268	271	529	10	10	6	246	10.8	13	24.1	7	13.0	1	18.6	
	Balance of County	19,560	3,320	446	13.4	81	24.4	96	28.6	6	-	95	17	16	-	1	53	42	95	-	2	41	12.3	4	42.1	3	31.6	-	0
OAKLAND	Oakland	478,060	7,318	15.3	2,620	5.9	14,502	30.3	332	12	14,335	161	2	4	7,412	7,090	13,693	809	253	242	3,345	7.0	376	25.9	275	19.0	8	5.5	
	Ferndale	36,020	6,143	69.9	1,166	13.3	2,294	26.1	63	3	2,273	21	20	4	1,146	1,146	1,882	64	36	35	652	7.1	77	33.6	57	24.8	1	4.4	
OAKLAND	Royal Oak	328	9.1	125	3.5	1,030	28.5	14	3	1,026	4	4	-	515	515	761	269	17	17	253	7.1	25	24.3	20	19.4	1	2.9		
	Berkley	59,420	444	7.5	242	4.1	2,439	41.0	43	-	2,432	7	6	-	1,234	1,205	2,421	18	21	21	33	6.6	45	18.4	34	13.9	1	5.0	
OAK PARK	Birmingham	19,560	1	0.0	36	1.6	659	30.1	14	-	658	1	1	-	333	326	659	-	5	112	5.1	18	27.3	18	27.3	1	15.2		
OAK PARK	Claiborn	22,370	163	7.3	72	3.2	891	39.8	13	-	967	1	1	-	528	440	967	1	14	7	14	169	9.7	24	24.8	20	20.7	-	0
OAK PARK	Huntington Woods	3,160	97	30.7	18	5.7	92	29.1	2	-	92	1	1	-	47	45	92	-	3	1	37	11.7	1	10.9	1	10.9	1	70.9	
OAK PARK	Northville (Part)	290	5	0	13	2.2	141	23.6	6	-	141	-	-	-	76	65	141	-	2	2	37	6.2	2	14.2	2	14.2	2	14.2	
OAK PARK	Pleasant Ridge	4,060	1	0.2	14	3.4	60	14.8	2	-	771	2	2	-	394	379	773	-	3	14	50	6.9	1	6.7	0	0	-	0	
OCEANA	Rochester	5,210	35	0.7	22	4.2	183	35.1	8	-	183	1	1	-	80	103	183	-	2	1	61	11.7	1	16.7	1	16.7	-	0	
OCEANA	Balance of County	19,630	35	0.7	1,011	5.1	4,688	23.6	114	3	4,562	126	122	2	2,390	2,296	4,581	107	70	104	1,312	6.6	142	30.3	92	19.6	3	6.4	
OCEAN	Ocean	9,020	320	35.5	111	12.3	206	22.8	4	-	200	6	5	1	108	98	206	-	9	4	112	12.4	6	29.1	5	24.3	1	48.5	
ONTARIO	Ontario	10,310	1,230	12.6	98	9.5	2,222	21.5	2	-	216	6	6	-	113	109	221	1	-	4	135	13.1	3	13.5	-	0	-	0	
OSCEOLA	Osceola	13,400	327	24.4	209	15.6	361	26.9	10	-	347	14	14	-	187	174	360	1	10	3	194	14.5	9	24.9	5	13.8	-	0	
OSCOBA	Balance of County	3,000	40	13.3	25	8.3	67	22.3	-	-	44	23	22	-	1	33	34	67	-	1	28	9.3	2	29.8	1	14.9	-	0	
OTSEGO	Otsego	6,640	205	30.9	88	13.3	169	25.5	6	-	165	4	4	-	82	87	169	-	7	4	69	10.4	6	35.5	6	35.5	1	59.2	
OTTAWA	Holland	60,300	2,103	26.2	564	7.3	2,286	28.5	53	-	2,260	26	26	-	1,249	1,037	2,276	10	32	23	664	8.3	33	14.4	21	9.2	1	4.4	
OTTAWA	Grand Haven	17,050	938	55.0	196	11.5	424	24.9	8	-	424	-	-	-	226	198	424	-	7	4	168	9.9	6	14.2	4	9.4	-	0	
OTTAWA	Zeeland	10,260	765	68.6	130	12.6	296	29.0	5	-	298	2	2	-	150	148	296	-	9	1	99	9.6	5	16.8	3	10.1	-	0	
OTTAWA	Balance of County	3,390	433	127.7	40	11.8	78	23.0	4	-	77	1	1	-	45	33	78	-	-	2	27	8.0	1	12.7	3	12.7	-	0	
ROSOMON	Rosomon	6,130	23	3.6	54	8.8	127	20.7	8	-	124	3	3	-	67	60	127	-	2	1	69	11.3	2	15.7	2	15.7	-	0	
SAGINAW	Saginaw	161,000	4,960	30.8	1,678	10.4	4,756	29.5	115	-	4,711	45	42	-	2,420	2,336	4,289	517	131	74	1,565	9.7	144	30.3	107	22.5	1	2.1	
SAGINAW	Balance of County	64,000	4,927	50.8	1,249	12.9	2,745	26.3	117	-	2,735	10	9	-	1,400	1,345	2,280	465	113	46	968	10.0	65	31.0	64	23.3	1	3.6	
SAGINAW	Balance of County	33	0.5	429	6.7	2,011	31.4	38	-	-	2,011	35	33	-	2,020	1,991	59	52	18	18	597	9.3	59	29.3	33	21.4	-	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, 1953	Live Births												Deaths														
		OCCURRENCE				RESIDENCE				Live Births				Deaths				Live Births Number		Deaths Number		Live Births Number		Deaths Number				
		Live Births Number		Deaths Number		Live Births Number		Deaths Number		Live Births Number		Deaths Number		Live Births Number		Deaths Number		Live Births Number		Deaths Number		Live Births Number		Deaths Number				
ST. CLAIR	95,000	2,324	24.5	995	10.5	2,472	26.0	60	-	2,453	39	37	-	2	1,261	1,211	2,397	75	55	36	1,070	11.3	63	33.6	55	22.2		
Port Huron	36,800	1,510	40.9	540	14.6	976	26.5	25	-	967	9	8	-	1	504	472	919	57	33	13	440	11.9	34	34.8	25	25.6		
Algonac	2,680	4	1.5	15	5.6	65	24.3	2	-	62	3	3	-	1	34	31	64	1	3	3	39	14.6	3	46.2	3	46.2		
Marine City	4,530	-	0	16	3.5	119	26.3	3	-	119	-	-	-	-	55	64	119	-	4	1	1	39	8.6	1	16.8	1	16.8	
Marysville	2,570	1	0.4	15	5.6	81	31.5	* 2	-	80	1	1	-	-	42	39	81	-	1	-	1	20	7.8	1	12.3	-	0	
St. Clair	4,260	559	131.2	45	10.6	131	30.8	* 2	-	131	-	-	-	-	72	59	130	1	3	2	75	17.6	6	45.8	4	30.5		
Balance of County	44,080	250	5.7	364	8.3	1,100	25.0	26	-	1,074	26	-	-	-	554	1,084	16	12	19	17	457	10.4	37	33.6	22	20.0		
ST. JOSEPH	37,090	966	26.0	414	11.2	842	22.7	9	-	831	11	11	-	-	438	404	836	6	10	15	418	11.3	17	11.1	-	0		
Sturgis	8,240	478	58.0	129	16.7	174	21.1	2	-	173	1	1	-	-	93	81	173	1	2	5	97	11.8	2	11.5	1	5.7		
Three Rivers	7,110	456	64.1	131	18.4	151	21.2	2	-	151	-	-	-	-	83	68	148	3	3	3	83	11.7	4	26.5	3	19.9		
Balance of County	21,740	32	1.5	154	7.1	517	23.6	5	-	507	10	10	-	-	262	255	515	2	5	7	238	10.9	11	21.3	7	13.5		
SANDLAC	30,460	696	22.8	278	9.1	712	23.4	27	-	666	46	-	-	-	384	328	711	1	6	18	346	11.4	19	26.7	14	19.7		
SCHOOLCRAFT	8,690	276	31.8	123	14.2	220	25.3	4	-	218	2	1	-	-	131	89	213	7	4	3	107	12.3	3	31.6	-	0		
Mainistrie	4,810	275	57.2	103	21.4	111	23.1	2	-	111	-	-	-	-	67	44	107	1	2	1	66	13.7	4	36.0	2	18.0		
Balance of County	3,880	1	0.3	20	5.2	109	21.0	2	-	107	2	1	-	-	64	45	106	3	1	2	41	10.6	3	27.5	1	9.2		
SHILOH MUSKEE	48,130	1,339	27.8	474	9.8	1,261	26.2	25	-	1,243	16	16	-	-	634	627	1,260	1	17	25	496	10.3	23	18.2	18	14.3		
Chesno	16,810	1,144	68.1	231	13.7	475	28.3	10	-	464	11	11	-	-	44	42	86	-	1	8	159	9.5	2	40	12.1	1		
Durand	3,310	133	40.2	31	9.4	86	26.0	3	-	86	-	-	-	-	359	341	699	1	8	15	297	10.6	14	20.0	9	12.9		
Balance of County	28,310	62	2.2	212	7.6	700	26.0	12	-	693	7	5	-	-	476	435	899	12	10	25	433	10.6	30	32.9	19	20.9		
TUSCOLA	40,730	606	14.9	391	9.6	911	22.4	18	-	882	29	29	-	-	44	47	91	-	2	3	47	12.8	4	44.0	2	22.0		
Caro	3,660	248	67.8	56	15.3	91	24.9	2	-	90	1	1	-	-	45	40	80	5	4	38	10.1	24	32.7	15	20.4			
Balance of County	34,350	356	10.4	315	9.2	735	21.4	16	-	709	26	26	-	-	387	348	728	7	8	16	348	10.1	23	18.6	16	18.4		
VAN BUREN	43,020	697	16.2	441	10.3	979	22.8	14	-	967	12	11	-	-	534	445	924	55	23	14	523	12.2	26	26.6	6	40.0		
South Haven	6,200	413	66.6	125	20.2	150	24.2	-	-	148	2	2	-	-	84	66	136	14	7	16	455	12.4	18	21.7	12	14.5		
Balance of County	36,620	284	7.7	316	6.6	829	22.5	14	-	819	10	9	-	-	450	379	788	41	16	14	455	12.4	18	21.7	-	0		
WASHTENAW	143,150	5,529	20.6	2,046	14.3	3,902	22.8	30	-	3,895	17	15	-	-	2,022	1,860	3,529	373	78	61	1,046	7.3	102	26.1	76	19.5		
Ann Arbor	50,630	2,931	57.9	1,150	22.7	1,156	22.8	20	-	1,150	6	6	-	-	588	568	1,085	71	25	17	350	6.9	20	17.3	16	19.0		
Ypsilanti	19,880	2,453	123.4	238	12.0	843	42.4	29	-	841	2	1	-	-	460	383	704	139	23	2	164	9.3	19	22.5	16	19.0		
Chelsea	2,680	-	0	46	17.2	88	32.8	2	-	88	1	1	-	-	40	48	86	2	1	1	49	16.3	2	36.4	1	18.2		
Milan (Part)	2,160	-	0	9	4.2	55	25.5	-	-	55	-	-	-	-	33	22	53	2	1	1	23	10.5	2	34.1	43	24.4		
Balance of County	67,800	145	2.1	603	8.9	1,760	26.0	46	-	1,752	6	7	-	-	901	859	1,601	159	23	35	440	6.5	61	34.7	1	0		
WAYNE	2,602,600	75,902	29.2	2,680	8.7	6,771	25.8	1,466	19	66,434	819	776	13	25	24,035	22,676	34,930	12,081	77	7	2,236	9.8	17,781	9.0	1,256	26.8	35	5.2
Detroit	1,962,670	2,946	28.2	472	4.5	3,714	35.5	57	-	3,701	13	13	-	-	1,893	1,821	3,707	7	7	56	42	17.7	7.3	1,254	14.0	45	12.1	
Dearborn	45,410	1,080	33.6	352	7.7	991	21.6	20	-	983	8	8	-	-	489	502	616	175	19	21	434	9.5	29	29.3	22	22.2		
Harmarick Park	48,410	5,520	134.9	93	20.5	865	17.9	14	-	861	4	4	-	-	442	423	729	136	20	20	515	10.6	28	32.4	20	23.1		
Hillman Park	33,570	4	0.1	55	1.6	1,516	45.2	27	-	3	1,513	5	5	-	-	770	748	1,516	2	16	33	204	6.1	26	17.1	22	14.5	
Wyandotte	41,640	2,794	67.1	457	11.0	1,681	45.2	44	-	1,681	3	3	-	-	1,095	876	1,879	2	17	31	304	8.4	19	20.7	12	15.9		
Allens Park	14,570	1	0.1	527	36.2	983	67.5	17	-	527	2	2	-	-	506	477	979	4	3	3	134	9.2	14	14.2	12	12.2		
Garden City	19,520	8	0.4	55	2.6	551	28.2	12	-	542	9	6	-	-	294	257	353	198	30	4	161	8.2	17	27.2	12	21.8		
Groose Pte. Park	13,470	1	0.1	45	3.4	155	11.7	2	-	154	1	1	-	-	79	76	155	7	1	3	102	7.7	3	19.4	2	16.0		
Groose Pte. Woods	11,190	29	2.6	263	3.4	235	4	-	-	263	5	5	-	-	136	127	263	7	2	2	66	6.3	7	22.8	4	15.2		
McLindale Park	3,120	323	103.5	74	23.7	1,198	61.4	32	-	1,198	9	9	-	-	444	444	554	833	43	18	151	7.7	25	34.1	17	23.2		
Northville (Part)	17,960	7,810	18	2.3	110	6.1	734	40.9	17	-	730	4	4	-	-	380	354	732	2	16	55	165	9.2	25	34.1	17	23.2	
Plymouth	22,120	473	21.4	41	6.1	608	27.5	9	-	600	6	6	-	-	327	281	400	298	37	14	193	8.7	19	31.2	12	19.7		
River Rouge	10,410	1,014	97.4	66	3.3	539	51.8	8	-	539	1	1	-	-	270	269	539	-	6	5	11	81	7.8	10	18.6	9	16.7	
Garden City	7,830	920	130.9	145	23.6	351	49.9	7	-	351	11.6	4	-	-	197	154	350	1	4	5	96	13.7	9	25.6	8	22.8		
Groose Pte. Farms	9,330	823	66.5	91	9.4	112	11.6	4	-	112	-	-	-	-	447	447	111	1	2	2	66	6.3	7	23.3	5	16.7		
McLindale	10,410	1	0.1	21	2.0	300	28.8	5	-	299	1	1	-	-	555	446	300	2	1	2	37	11.9	4	34.2	4			

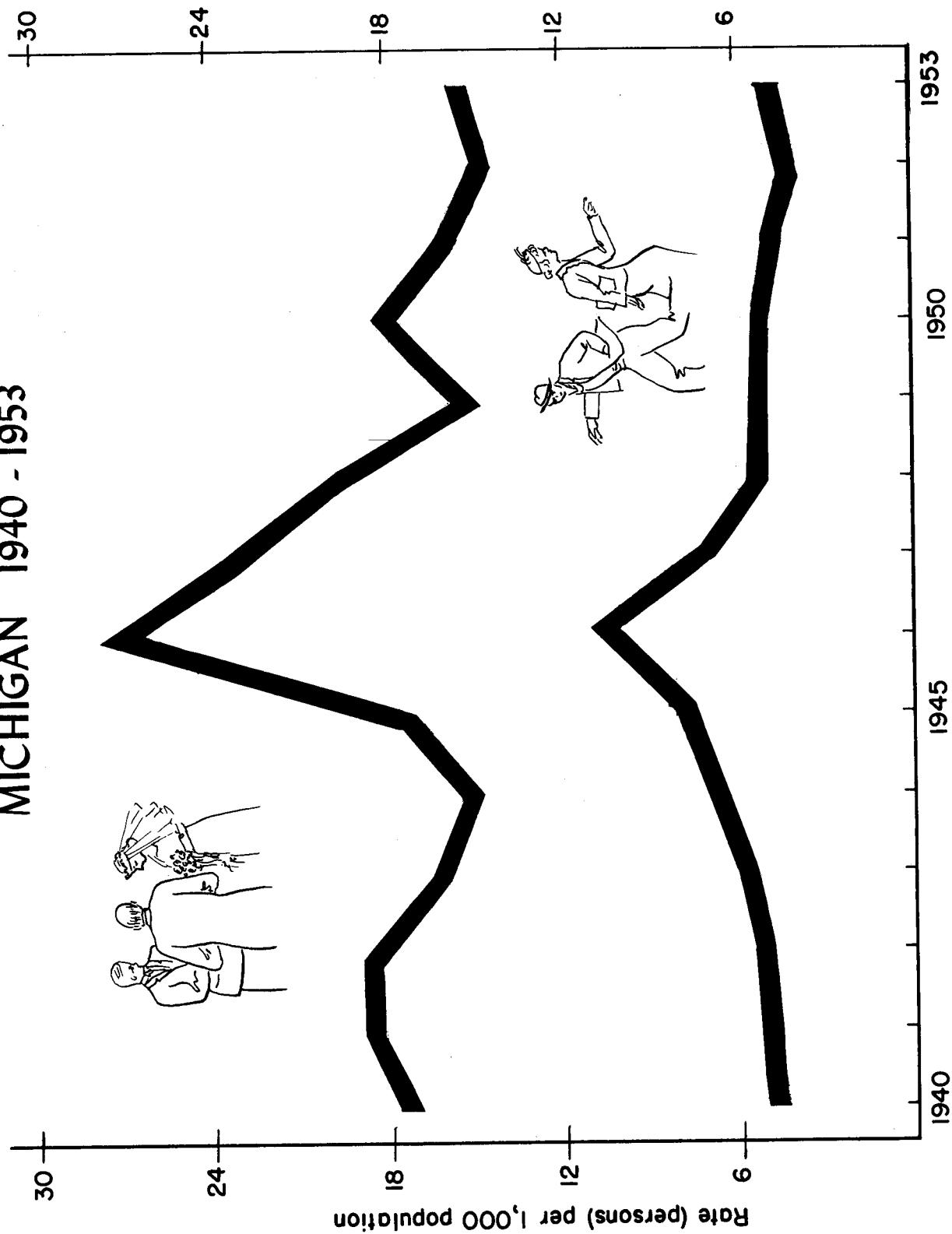
TABLE 14 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM
MICHIGAN, 1953

AGE (YEARS)	B R I D E					G R O O M				
	Total	Order of Marriage				Not Stated	Order of Marriage			
		First	Second	Third	Fourth or More		Total	First	Second	Third
All Ages	53,308	40,919	9,892	2,145	317	35	53,308	41,663	9,511	1,823
15 - 19	18,204	17,882	296	6	1	19	6,680	6,649	23	1
20 - 24	18,297	16,625	1,580	80	3	9	21,510	20,759	717	16
25 - 29	6,007	3,892	1,864	226	22	3	10,922	9,137	1,649	127
30 - 34	3,260	1,356	1,543	318	43	-	4,447	2,708	1,495	225
35 - 39	2,269	569	1,307	352	39	2	2,740	1,126	1,335	250
40 - 44	1,629	266	996	314	52	1	1,870	620	992	222
45 - 49	1,221	172	734	273	41	1	1,428	286	859	240
50 - 54	867	74	570	189	34	-	1,118	168	706	213
55 - 59	639	36	421	156	26	-	940	112	624	168
60 - 64	455	31	284	110	30	-	728	55	492	148
65 - 69	304	9	201	79	15	-	521	29	355	112
70 - 74	107	3	68	30	6	-	270	11	179	61
75 & Over	44	1	26	12	5	-	133	2	85	40
Not Stated	5	3	2	-	-	-	1	1	-	-

TABLE 15 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM
MICHIGAN, 1953

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	53,308	100
Both bride and groom resident of State	49,239	92.4
Bride resident, groom nonresident of State	2,363	4.4
Groom resident, bride nonresident of State	637	1.2
Both bride and groom nonresident of State	1,068	2.0
Residence status of either or both not stated	1	0.0

MARRIAGES AND DIVORCES MICHIGAN 1940 - 1953



The marked fluctuations of marriages and divorces since 1940 reflect war conditions. Following the postwar demobilization, 1946 was the high year for both marriages and divorces. Since 1946 marriages have fluctuated more than divorces; in each instance the 1953 rate was slightly higher than the previous year.

TABLE 16 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE
MICHIGAN, 1953

AREA	Divorces & Annulments	Annulments	DIVORCES									
			Total	Cases Contested	Granted to Husband		Wife		Children			
			0	1	2	3	4	5 or More	Not Stated			
STATE	16,537	189	16,348	2,665	4,349	11,999	9,687	3,164	1,993	939	353	209
Alcona	10	-	10	3	4	6	2	4	3	-	-	1
Alger												-
Allegan	91	1	90	43	21	69	30	29	15	8	5	3
Alpena	33	-	33	2	7	26	12	8	7	3	1	1
Antrim	18	-	18	2	5	13	11	5	-	-	1	1
Arenac	7	-	7	-	3	4	4	-	2	1	-	-
Baraga	3	-	3	-	-	3	-	1	2	-	-	-
Barry	50	-	50	4	17	33	22	12	6	6	2	-
Bay	217	4	213	57	50	163	85	49	46	18	12	3
Benzie	22	-	22	-	6	16	10	3	4	3	1	-
Berrien	348	-	348	131	123	225	190	77	39	27	10	5
Branch	73	2	71	2	16	55	36	17	11	4	2	1
Calhoun	475	-	475	116	125	350	253	110	75	26	8	3
Cass	77	-	77	4	27	50	49	16	4	6	1	-
Charlevoix	35	-	35	13	9	26	14	5	8	6	-	2
Cheboygan	20	-	20	1	5	15	8	6	4	1	1	-
Chippewa	40	-	40	3	9	31	15	10	5	2	4	-
Clare	20	-	20	6	9	11	11	5	-	3	1	-
Clinton	39	1	38	12	8	30	19	6	4	5	2	-
Crawford	11	-	11	-	3	8	7	2	2	-	-	-
Delta	48	-	48	2	19	29	23	13	3	7	2	-
Dickinson	33	-	33	-	5	28	11	9	5	5	2	1
Eaton	88	-	88	7	20	68	36	21	20	5	3	-
Emmet	20	-	20	7	2	18	10	5	2	1	1	-
Genesee	1,045	12	1,033	227	304	729	550	227	157	72	17	10
Gladwin	33	-	33	1	12	21	14	8	3	7	1	-
Gogebic	31	-	31	14	8	23	18	5	5	2	-	-
Grand Traverse	40	-	40	-	9	31	19	9	8	1	1	2
Gratiot	62	-	62	-	20	42	26	13	12	6	3	2
Hillsdale	72	1	71	10	21	50	41	11	10	5	2	2
Houghton	29	-	29	8	6	23	12	9	1	5	2	-
Huron	20	-	20	3	4	16	5	6	5	1	3	-
Ingham	639	9	630	99	170	460	331	139	99	43	15	3
Ionia	75	-	75	19	19	56	37	14	12	6	4	2
Iosco	25	-	25	4	10	15	13	4	5	1	1	-
Iron	23	-	23	1	6	17	8	8	7	-	-	-
Isabella	36	1	35	-	9	26	19	8	3	4	1	-
Jackson	388	3	385	9	83	302	178	92	60	35	13	7
Kalamazoo	440	3	437	15	90	347	231	90	71	34	6	5
Kalkaska	7	-	7	-	5	2	2	3	1	1	-	-
Kent	823	10	813	169	177	636	403	208	127	43	21	11
Keweenaw	3	-	3	-	-	3	1	-	1	-	1	-
Lake												-
Lapeer	36	-	36	9	7	29	12	13	6	4	-	1
Leelanau	5	-	5	3	1	4	3	-	1	-	1	-
Lenawee	197	1	196	6	68	128	96	56	23	15	5	1
Livingston	62	-	62	1	17	45	33	16	3	4	4	2
Luce												-
Mackinac	15	-	15	4	6	9	9	2	3	1	-	-
Macomb	575	3	572	49	136	436	274	127	99	39	23	10
Manistee	7	-	7	3	3	4	2	3	2	-	-	-
Marquette	58	-	58	1	11	47	22	19	11	2	2	2
Mason	29	-	29	7	5	24	16	6	1	3	2	1
Mecosta	41	-	41	1	10	31	21	7	6	5	2	-
Menominee	28	-	28	4	8	20	9	5	5	3	2	3

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		Children						5 or More	Not Stated
					0	1	2	3	4					
Midland	85	-	85	3	14	71	29	23	14	11	2	6	-	-
Missaukee	2	-	2	1	1	1	-	1	-	-	1	-	-	-
Monroe	88	-	88	13	21	67	34	19	15	12	5	3	-	-
Montcalm	20	-	20	1	3	17	8	4	3	4	-	1	-	-
Montmorency	5	-	5	-	2	3	3	-	2	-	-	-	-	-
Muskegon	270	1	269	14	81	188	143	62	30	23	6	5	-	-
Newaygo	43	-	43	-	17	26	25	5	7	4	1	1	-	-
Oakland	1,491	29	1,462	202	325	1,137	734	338	222	120	32	16	-	-
Oceana	33	1	32	10	12	20	16	9	5	1	1	-	-	-
Ogemaw	7	-	7	1	1	6	4	2	-	-	-	1	-	-
Ontonagon	9	-	9	-	1	8	2	2	4	1	-	-	-	-
Osceola	17	-	17	-	6	11	7	3	3	4	-	-	-	-
Oscoda	4	-	4	2	-	4	1	2	1	-	-	-	-	-
Otsego	4	-	4	1	3	1	3	1	-	-	-	-	-	-
Ottawa	96	1	95	20	28	67	47	17	14	10	3	4	-	-
Presque Isle	8	-	8	3	2	6	2	2	2	1	-	1	-	-
Roscommon	15	1	14	2	1	13	6	5	2	-	-	1	-	-
Saginaw	359	2	357	175	85	272	189	68	47	33	13	7	-	-
St. Clair	236	1	235	55	57	178	97	66	29	27	9	7	-	-
St. Joseph	81	-	81	6	23	58	38	21	13	3	4	2	-	-
Sanilac	21	-	21	1	6	15	10	4	2	2	1	2	-	-
Schoolcraft	20	1	19	-	6	13	7	7	2	1	-	2	-	-
Shiawassee	117	-	117	16	21	96	65	22	15	10	4	1	-	-
Tuscola	50	-	50	10	20	30	18	15	12	1	2	-	-	-
Van Buren	64	-	64	8	19	45	31	15	8	4	5	1	-	-
Washtenaw	391	3	388	174	91	297	197	84	65	23	14	4	1	-
Wayne	6,349	98	6,251	858	1,773	4,478	4,693	842	459	163	58	36	-	-
Wexford	30	-	30	7	12	18	15	4	4	4	-	3	-	-

Note: Blank spaces indicate no records were received.