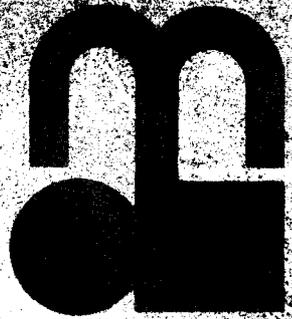


*Marguerite Robert*

**1968-69  
MICHIGAN  
HEALTH STATISTICS**

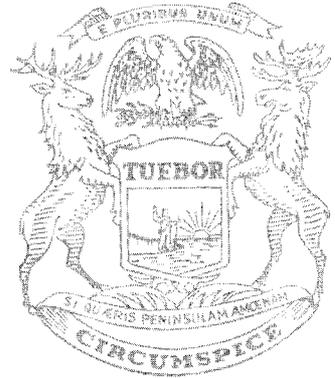


**MICHIGAN DEPARTMENT  
OF PUBLIC HEALTH**

Robert

NEONATAL - UNDER 28 DAYS

PERINATAL - INFANT 0x 71WK + FETAL



# MICHIGAN HEALTH STATISTICS

## Annual Statistical Report

### 1968-69

1972 Population  
9,013,475

July 1, 1973  
Population  
9,044,403

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**MICHIGAN CENTER for HEALTH STATISTICS**

**MICHIGAN DEPARTMENT OF PUBLIC HEALTH**

**Lansing 48914**

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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
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# INTRODUCTION

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

This report contains health statistics concerning communicable diseases, births, deaths, fetal deaths, marriages, and divorces in Michigan during 1968 and previous years. The first four tables in this report include reference information pertaining to the years 1900-1969; the remaining tables contain detailed statistics for 1968 and 1969.

## TECHNICAL NOTES

### 1) *Incomplete and Delayed Registration:*

Birth and death registration has been steadily improving since 1900. Registration of births in Michigan was 98.7 percent complete according to a test done in connection with the 1950 Census. Registration of deaths is considered to be even more complete than birth registration because death certificates are necessary for issuing burial permits.

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

### 2) *Population Trend:*

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

The 1964-1969 county population estimates have been prepared by the Michigan Center for Health Statistics. Except for 1969, these estimates are obtained using a ratio correlation procedure. The 1969 estimates were obtained by interpolation between the 1968 estimates and the preliminary 1970 census figures. Because the degree of inaccuracy for postcensal estimates tends to vary directly with the time elapsed since the census and inversely with the size of the population; the Center for Health Statistics has not prepared city population estimates for 1964-1969. Usually within three or four years time post-census the seriousness of the errors for any small population

are, on the average, large enough to render most uncertain comparisons of vital rates from year to year or from place to place. The value of population estimates in their numerous other applications is also impaired.

In general, estimating procedures do not always adequately measure the full extent of extreme population changes and, therefore, population estimates may be either over or under the true situation. In addition to this limitation, it is to be remembered that estimating procedures have varied considerably over the past years. Hence, in all instances where rates are based on estimated populations, these two factors should be recognized.

### 3) *Residence Allocation:*

Residence data are obtained by allocating vital events, regardless of the place of occurrence, to the residence of the deceased in the case of a death, or the residence of the mother in the case of a birth or fetal death. Intrastate allocation for all births and deaths occurring in Michigan began in 1935; interstate allocation was started in 1950. Thus, for 1950 and successive years births and deaths of Michigan residents occurring in other states have also been included and births and deaths occurring in Michigan to non-residents of Michigan have been excluded. A minor change in definition of residence as applied to institutional deaths was effective beginning in 1949. Deaths in hospitals, sanatoria, and all other institutions, including mental, penal, old age, orphan, etc., are allocated in all instances to the place of previous residence, regardless of length of stay in institutions. If the previous residence cannot be determined, allocation is to the place of occurrence of death. Prior to 1949, deaths in institutions were allocated to the area in which the institution was located unless the usual residence was recorded on the certificates.

#### 4) *Changes in Classification of Causes of Death:*

During the past decades there have been several revisions of the International List of Causes of Death. The Sixth Revision was adopted in 1948 by the World Health Organization. Prior to the introduction of the Sixth Revision the principal cause of death was selected by means of an arbitrary set of rules. The Sixth Revision instituted a major change in that the classification is based on the underlying cause of death as indicated by the physician. To enable the physician to indicate the underlying cause of death it was necessary to change the form of the death certificate to permit the recording of the proper sequence of morbid events which led to death. The policy of the physician specifying the underlying cause of death provides statistics which more accurately reflect medical opinion. In Michigan both the revised certificate form and the Sixth Revision were used beginning in 1950. The Seventh Revision (1955) with only minor classification changes was used beginning with the 1958 statistics. The Eighth Revision with major changes is used beginning with the 1968 statistics. The comparability of cause of death statistics over a period of years is affected by changes in classification and policy. This should be kept in mind when comparing statistics from recent years with those of earlier years.

#### 5) *Leading Causes of Death:*

The International List of 282 selected causes of death is used to arrive at the leading causes of death in Michigan with two exceptions:

(1) For ranking purposes, instead of using the abbreviated cause "Certain Mortality in Early Infancy," we use "Congenital Anomalies".

(2) Instead of using "Bronchitis, Emphysema, and Asthma" as a category, we list each separately.

Despite the appearance of several new titles in the Eighth Revision, the 10 leading causes of death in Michigan remain essentially the same. The category "General Arteriosclerosis" has been refined to "Arteriosclerosis," resulting in fewer deaths being assigned to this category. Emphysema, which had been part of an "Other" category in the Seventh Revision, is now listed separately, and appears among the 10 leading causes in Michigan for the first time.

#### 6) *Comparability Ratios:*

Comparability ratios are used to compare causes of death between two different coding schemes.

For example, comparability ratios are necessary to make meaningful comparisons of death rates coded using the seventh and Eighth Revision of the International Classification of Diseases Adapted. The National Center for Health Statistics determines comparability ratios by coding a sample of deaths using both the Seventh and Eighth Revisions and the procedures in effect for these revisions. The ratios are computed by dividing the number of deaths assigned to a particular cause according to the Eighth Revision by the number of deaths assigned to comparable causes under the Seventh Revision.

A comparability ratio of (1.00) indicates that the same number of deaths were assigned to a particular cause using both systems. However, a ratio showing perfect correspondence does not necessarily indicate that the cause was unaffected by the coding changes. Multiple changes may compensate for each other.

A ratio less than (1.00) can result from one of two situations: (1) A decrease in the assignment of deaths to a cause in the Eighth Revision as compared to the Seventh Revision, or (2) The cause described by the Eighth Revision is not exactly the same as the cause represented by the Seventh Revision.

Usually a ratio of more than (1.00) results in an increase of assigned deaths to a cause in the Eighth Revision. However, a comparability of titles can be a problem.

Table 7C in this report illustrates the 1967 and 1968 mortality rates for the ten leading causes of death. The adjusted 1967 rate is also shown so that a meaningful comparison can be made between the 1967 and 1968 mortality rates.

#### 7) *Perinatal Mortality Rates:*

Perinatal mortality rates are included in this report to facilitate the study of deaths during the late fetal and early neonatal period. These rates are based on all registered fetal deaths and the infant deaths under one week of age.

These rates were computed according to the following formula:

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

8) *Marriage and Divorce Data:*

Marriage and divorce data are compiled only on

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

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

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BIRTHS		DEATHS				
Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Peri-natal	Due to Immaturity	Fet
332	32,453	6,866			620	1,5
365	32,834	6,319			524	1,5
383	31,472	5,949			608	1,7
490	33,176	6,488			542	1,8
562	34,494	6,419			632	1,9
444	34,679	7,054			751	2,0
1,090	37,033	7,952			830	2,3
1,041	36,701	6,906			855	2,3
888	36,761	7,697			975	2,6
1,068	36,313	7,443			1,152	2,5
1,054	39,913	7,998			2,050	2,5
1,083	38,007	7,131			2,223	2,7
1,222	38,804	6,985			2,340	2,5
1,227	40,827	7,659			2,480	2,5
1,192	39,906	7,431			2,391	3,1
1,363	40,441	6,943			2,207	3,3
1,351	46,047	8,415			2,498	3,6
1,101	47,236	7,916			2,369	3,5
1,142	54,617	8,197			2,362	3,6
1,002	45,636	7,560			2,183	3,5
1,445	51,982	8,587			2,512	3,7
1,346	44,186	7,584			2,481	3,6
1,180	43,817	6,730			1,793	3,7
1,210	49,333	7,477			1,911	3,6
1,443	47,304	7,088	4,119	6,791	1,970	3,7
1,258	49,417	7,498	4,022	6,667	1,987	3,6
1,669	54,080	7,620	4,054	6,773	1,986	3,8
1,872	50,600	6,766	3,915	6,794	1,911	3,8
1,853	54,755	6,806	3,739	6,594	1,846	3,7
1,632	56,117	6,605	3,777	6,613	1,853	3,7
1,600	51,561	6,213	3,624	6,518	1,805	3,7
1,633	49,068	5,187	3,084	5,643	1,473	3,2
1,697	49,569	4,630	2,798	5,210	1,372	2,9
2,041	48,507	4,094	2,591	4,906	1,364	2,7
2,124	50,440	4,377	2,717	4,781	1,419	2,6
2,194	51,051	4,170	2,550	4,832	1,389	2,7
2,157	54,777	4,479	2,647	4,726	1,395	2,6
2,234	53,468	4,374	2,700	4,919	1,415	2,7
2,331	50,678	4,319	2,734	4,984	1,484	2,7
2,217	52,017	3,952	2,594	4,706	1,396	2,5
2,280	52,092	4,022	2,629	4,749	1,298	2,6
2,370	52,671	4,166	2,687	4,991	1,353	2,7
2,532	52,738	4,606	3,091	5,581	1,575	3,0
2,569	56,774	4,804	2,979	5,563	1,488	3,2
3,115	54,016	4,326	2,784	5,140	1,412	2,8
3,485	53,641	4,008	2,670	4,906	1,339	2,7
3,908	54,856	4,541	3,323	5,978	1,735	3,1
4,311	56,807	5,055	3,677	6,583	1,953	3,4
4,310	56,520	4,617	3,352	5,968	1,820	3,1
3,953	57,107	4,520	3,232	5,746	1,795	2,9

# TABLES 1900-1969

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MICHIGAN, 1900 - 1969

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

NUMBER

Year	Population*	LIVE BIRTHS		DEATHS						Marriages	Divorces		
		Total	Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Perinatal	Due to Immaturity	Fetal			Maternal	
1900	2,420,982	43,699	332	32,453	6,866				620	1,325	452	23,295	2,435
1901	2,459,901	43,221	365	32,834	6,319				524	1,501	531	24,079	2,448
1902	2,498,820	45,546	383	31,472	5,949				608	1,793	468	25,653	2,828
1903	2,537,739	46,020	490	33,176	6,488				542	1,814	427	26,029	2,945
1904	2,576,658	47,508	562	34,494	6,419				632	1,911	436	24,918	2,808
1905	2,615,578	46,976	444	34,679	7,054				751	2,044	416	26,307	2,825
1906	2,654,497	58,599	1,090	37,033	7,952				830	2,358	400	27,519	3,192
1907	2,693,416	59,029	1,041	36,701	6,906				855	2,358	391	27,940	3,107
1908	2,732,335	64,772	888	36,761	7,697				975	2,694	440	25,765	3,020
1909	2,771,254	64,323	1,068	36,313	7,443				1,152	2,540	405	27,353	3,516
1910	2,810,173	64,109	1,054	39,913	7,998				2,050	2,559	431	29,039	3,716
1911	2,895,997	65,756	1,083	38,007	7,131				2,223	2,716	451	29,859	4,125
1912	2,981,821	69,537	1,222	38,804	6,985				2,340	2,906	396	31,694	3,838
1913	3,067,645	73,058	1,227	40,827	7,659				2,480	2,953	528	33,529	3,978
1914	3,153,469	76,761	1,192	39,906	7,431				2,391	3,113	507	35,316	4,395
1915	3,239,293	81,100	1,363	40,441	6,943				2,207	3,357	488	35,527	4,757
1916	3,325,116	87,062	1,351	46,047	8,415				2,498	3,689	503	40,143	5,540
1917	3,410,940	89,419	1,101	47,236	7,916				2,369	3,550	586	42,791	5,627
1918	3,496,764	91,261	1,142	54,617	8,197				2,362	3,686	709	33,260	5,493
1919	3,582,588	84,062	1,002	45,636	7,560				2,183	3,361	578	45,579	7,469
1920	3,668,412	92,245	1,445	51,982	8,587				2,512	3,770	795	50,805	8,679
1921	3,785,799	96,035	1,346	44,186	7,584				2,481	3,669	605	41,508	7,676
1922	3,903,186	90,042	1,180	43,817	6,730				1,793	3,779	551	43,561	7,591
1923	4,020,573	92,956	1,210	49,333	7,477				1,911	3,657	583	49,569	8,745
1924	4,137,960	98,187	1,443	47,304	7,088	4,119	6,791		1,970	3,703	636	49,788	9,400
1925	4,255,347	98,983	1,258	49,417	7,498	4,022	6,667		1,987	3,670	629	46,276	9,650
1926	4,372,734	98,289	1,669	54,080	7,620	4,054	6,773		1,986	3,816	631	39,788	9,795
1927	4,490,121	99,940	1,872	50,600	6,766	3,915	6,794		1,911	3,834	667	36,276	10,617
1928	4,607,508	97,462	1,853	54,755	6,806	3,739	6,594		1,846	3,701	603	37,300	10,615
1929	4,724,895	98,695	1,632	56,117	6,605	3,777	6,613		1,853	3,710	617	36,816	12,094
1930	4,842,325	98,882	1,600	51,561	6,213	3,624	6,518		1,805	3,714	597	29,482	10,639
1931	4,883,703	90,547	1,633	49,068	5,187	3,084	5,643		1,473	3,220	539	28,856	9,507
1932	4,925,081	85,254	1,697	49,569	4,630	2,798	5,210		1,372	2,980	493	28,562	7,889
1933	4,966,459	80,482	2,041	48,507	4,094	2,591	4,906		1,364	2,776	447	33,132	7,671
1934	5,007,837	83,944	2,124	50,440	4,377	2,717	4,781		1,419	2,607	450	43,241	10,124
1935	5,049,216	87,403	2,194	51,051	4,170	2,550	4,832		1,389	2,717	438	45,313	10,844
1936	5,090,594	88,457	2,157	54,777	4,479	2,647	4,726		1,395	2,625	425	47,023	11,419
1937	5,131,972	94,566	2,234	53,468	4,374	2,700	4,919		1,415	2,707	326	47,954	12,472
1938	5,173,350	96,962	2,331	50,678	4,319	2,734	4,984		1,484	2,732	345	30,105	10,646
1939	5,214,728	94,432	2,217	52,017	3,952	2,594	4,706		1,396	2,572	280	37,725	11,589
1940	5,256,106	99,106	2,280	52,092	4,022	2,629	4,749		1,298	2,602	292	46,342	12,054
1941	5,437,546	107,498	2,370	52,671	4,166	2,687	4,991		1,353	2,769	298	50,989	13,317
1942	5,538,857	124,068	2,532	52,738	4,606	3,091	5,581		1,575	3,067	260	51,582	14,085
1943	5,377,329	125,441	2,569	56,774	4,804	2,979	5,563		1,488	3,213	237	44,385	15,259
1944	5,377,329	113,586	3,115	54,016	4,326	2,784	5,140		1,412	2,874	198	41,678	18,356
1945	5,435,092	111,557	3,485	53,641	4,008	2,670	4,906		1,339	2,703	166	48,329	21,133
1946	5,708,415	138,572	3,908	54,856	4,541	3,323	5,978		1,735	3,168	163	78,808	29,158
1947	6,069,000	160,275	4,311	56,807	5,055	3,677	6,583		1,953	3,422	173	71,319	21,386
1948	6,195,000	153,726	4,310	56,520	4,617	3,352	5,968		1,820	3,132	120	61,986	16,017
1949	6,352,000	156,469	3,953	57,107	4,520	3,232	5,746		1,795	2,994	105	53,109	16,274
1950	6,371,766	160,055	4,425	57,567	4,214	3,043	5,781		1,096	3,095	91	58,180	15,979
1951	6,545,000	172,451	4,367	59,181	4,505	3,296	6,088		1,232	3,158	94	53,411	15,446
1952	6,708,000	177,835	4,513	59,138	4,689	3,414	6,266		1,256	3,224	82	50,487	14,925
1953	6,852,000	182,968	4,770	62,087	4,728	3,389	6,188		1,114	3,180	79	53,308	16,537
1954	7,024,000	192,104	5,610	60,706	4,795	3,560	6,415		1,298	3,249	94	51,243	16,281
1955	7,236,000	195,294	5,883	63,087	4,873	3,707	6,381		1,272	3,029	61	55,698	17,676
1956	7,516,000	206,068	6,494	64,352	5,047	3,796	6,655		1,244	3,245	84	57,068	16,228
1957	7,803,000	208,488	6,789	66,435	5,093	3,884	6,668		1,322	3,154	79	55,121	15,442
1958	7,866,000	202,690	6,816	65,899	4,980	3,789	6,516		1,208	3,101	69	55,159	14,040
1959	7,960,000	198,301	6,729	66,812	4,846	3,674	6,250		1,201	2,928	72	58,826	16,168
1960	7,823,194	195,056	7,200	67,912	4,702	3,580	6,247		1,148	3,008	75	61,090	16,656
1961	7,903,090	192,825	8,017	67,375	4,604	3,475	5,875		1,003	2,735	78	63,320	16,219
1962	7,939,000	182,790	7,998	70,049	4,367	3,251	5,669		907	2,703	56	65,002	17,500
1963	8,030,000	178,871	8,769	72,438	4,150	3,109	5,407		816	2,540	71	68,160	17,479
1964	8,100,000	175,103	9,724	72,129	4,043	3,071	5,293		807	2,466	62	73,911	19,400
1965	8,199,283	166,464	10,888	73,665	3,936	2,909	5,139		768	2,475	54	81,247	20,305
1966	8,314,070	165,794	12,299	74,596	3,751	2,830	4,909		819	2,295	54	83,903	21,727
1967	8,615,000	162,756	13,403	75,360	3,595	2,714	4,693		718	2,195	52	84,363	23,620
1968	8,675,000	159,058	14,451	76,855	3,438	2,617	4,476		487	2,064	44	88,916	25,400
1969	8,734,000	165,760	16,329	76,693	3,356	2,550	4,488		459	2,175	27	90,999	28,347

\* 1900 - 1960: United States Bureau of Census April 1 Census counts and July 1 estimates.

1961 - 1964: University of Michigan Population Studies Center July 1 estimates.

1965 - 1969: Michigan Center for Health Statistics July 1 estimate.

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

Beginning with the year 1968, the category of deaths due to Immaturity is no longer considered for primary mortality coding unless it is the only cause of death entered on the certificate. Previously this category included Immaturity Unqualified plus Immaturity with mention of any other Subsidiary Condition.

In 1900 Appendicitis was called Peritonitis !!!

TABLE 1B - LIVE BIRTH RATES - TOTAL AND ILLEGITIMATE; DEATH RATES - ALL AGES, INFANT, NEONATAL, PERINATAL, FETAL, MATERNAL AND DEATH RATES DUE TO IMMATUREITY; MARRIAGE AND DIVORCE RATES  
MICHIGAN, 1900 - 1969

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

Year	RATE										
	LIVE BIRTHS		DEATHS							PERSONS	
	Total	Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Perinatal	Due to Immaturity	Fetal	Maternal	Married	Divorced
1900	18.1	7.6	13.4	157.1			14.2	30.3	103.4	19.2	2.0
1901	17.6	8.4	13.3	146.2			12.1	34.7	122.9	19.6	2.0
1902	18.2	8.4	12.6	130.6			13.3	39.4	102.8	20.5	2.3
1903	18.1	10.6	13.1	141.0			11.8	39.4	92.8	20.5	2.3
1904	18.4	11.8	13.4	135.1			13.3	40.2	91.8	19.3	2.2
1905	18.0	9.5	13.3	150.2			16.0	43.5	88.6	20.1	2.2
1906	22.1	18.6	14.0	135.7			14.2	40.2	68.3	20.7	2.4
1907	21.9	17.6	13.6	117.0			14.5	39.9	66.2	20.7	2.3
1908	23.7	13.7	13.5	118.8			15.1	41.6	67.9	18.9	2.2
1909	23.2	16.6	13.1	115.7			17.9	39.5	63.0	19.7	2.5
1910	22.8	16.4	14.2	124.8			32.0	39.9	67.2	20.7	2.6
1911	22.7	16.5	13.1	108.4			33.8	41.3	68.6	20.6	2.8
1912	23.3	17.6	13.0	100.4			33.6	41.8	56.9	21.3	2.6
1913	23.8	16.8	13.3	104.8			33.9	40.4	72.3	21.9	2.6
1914	24.3	15.5	12.7	96.8			31.1	40.6	66.0	22.4	2.8
1915	25.0	16.8	12.5	85.6			27.2	41.4	60.2	21.9	2.9
1916	26.2	15.5	13.8	96.7			28.7	42.4	57.8	24.1	3.3
1917	26.2	12.3	13.8	88.5			26.5	39.7	65.5	25.1	3.3
1918	26.1	12.5	15.6	89.8			25.9	40.4	77.7	19.0	3.1
1919	23.5	11.9	12.7	89.9			26.0	40.0	68.8	25.4	4.2
1920	25.1	15.7	14.2	93.1			27.2	40.9	86.2	27.7	4.7
1921	25.4	14.0	11.7	79.0			25.8	38.2	63.0	21.9	4.1
1922	23.1	13.1	11.2	74.7			19.9	42.0	61.2	22.3	3.9
1923	23.1	13.0	12.3	80.4			20.6	39.3	62.7	24.7	4.4
1924	23.7	14.7	11.4	72.2	41.9	66.7	20.1	37.7	64.8	24.1	4.5
1925	23.3	12.7	11.6	75.7	40.6	64.9	20.1	37.1	63.5	21.7	4.5
1926	22.5	17.0	12.4	77.5	41.2	66.3	20.2	38.8	64.2	18.7	4.5
1927	22.3	18.7	11.3	67.7	39.2	65.5	19.1	38.4	66.7	16.2	4.7
1928	21.2	19.0	11.9	69.8	38.4	65.2	18.9	38.0	61.9	16.2	4.6
1929	20.9	16.5	11.9	66.9	38.3	64.6	18.8	37.6	62.5	15.6	5.1
1930	20.4	16.2	10.6	62.8	36.6	63.5	18.3	37.6	60.4	12.2	4.4
1931	18.5	18.0	10.1	57.3	34.1	60.2	16.3	35.6	59.5	11.8	3.9
1932	17.3	19.9	10.1	54.3	32.8	59.0	16.1	35.0	57.8	11.6	3.2
1933	16.2	25.4	9.8	50.9	32.2	58.9	16.9	34.5	55.5	13.3	3.1
1934	16.8	25.3	10.1	52.1	32.4	55.2	16.9	31.1	53.6	17.3	4.0
1935	17.3	25.1	10.1	47.7	29.2	53.6	15.9	31.1	50.1	17.9	4.3
1936	17.4	24.4	10.8	50.6	29.9	51.9	15.8	29.7	48.0	18.5	4.5
1937	17.8	24.4	10.4	47.8	29.5	52.2	15.5	29.6	35.6	18.7	4.9
1938	18.7	24.0	9.8	44.5	28.2	50.0	15.3	28.2	35.6	11.6	4.1
1939	18.1	23.5	10.0	41.8	27.5	48.5	14.8	27.2	29.6	14.5	4.4
1940	18.9	23.0	9.9	40.6	26.5	46.7	13.1	26.3	29.5	17.6	4.6
1941	19.8	22.0	9.7	38.8	25.0	45.3	12.6	25.8	27.7	18.8	4.9
1942	22.4	20.4	9.5	37.1	24.9	43.9	12.7	24.7	21.0	18.6	5.1
1943	23.3	20.5	10.6	38.3	23.7	43.2	11.9	25.6	18.9	16.5	5.7
1944	21.1	27.4	10.0	38.1	24.5	44.1	12.4	25.3	17.4	15.5	6.8
1945	20.5	31.2	9.9	35.9	23.9	42.9	12.0	24.2	14.9	17.8	7.8
1946	24.3	28.2	9.6	32.8	24.0	42.2	12.5	22.9	11.8	27.6	10.2
1947	26.4	26.9	9.4	31.5	22.9	40.2	12.2	21.4	10.8	23.5	7.1
1948	24.8	28.0	9.1	30.0	21.8	38.0	11.8	20.4	7.8	20.0	5.2
1949	24.6	25.3	9.0	28.9	20.7	36.0	11.5	19.1	6.7	16.7	5.1
1950	25.1	27.6	9.0	26.3	19.0	35.4	6.8	19.3	5.7	18.3	5.0
1951	26.3	25.3	9.0	26.1	19.1	34.7	7.1	18.3	5.5	16.3	4.7
1952	26.5	25.4	8.8	26.4	19.2	34.6	7.1	18.1	4.6	15.1	4.4
1953	26.7	26.1	9.1	25.8	18.5	32.2	6.1	17.4	4.3	15.6	4.8
1954	27.3	29.2	8.6	25.0	18.5	32.8	6.8	16.9	4.9	14.6	4.6
1955	27.1	30.0	8.7	24.8	18.9	32.0	6.5	15.4	3.1	15.4	4.9
1956	27.4	31.5	8.6	24.5	18.4	31.8	6.0	15.7	4.1	15.2	4.3
1957	26.7	32.6	8.5	24.4	18.6	31.5	6.3	15.1	3.8	14.1	4.0
1958	25.8	33.6	8.4	24.6	18.7	31.7	6.0	15.3	3.4	14.0	3.6
1959	24.9	33.9	8.4	24.4	18.5	31.1	6.1	14.8	3.6	14.8	4.1
1960	24.9	36.9	8.7	24.1	18.4	31.5	5.9	15.4	3.8	15.6	4.3
1961	24.4	41.6	8.5	23.9	18.0	30.0	5.2	14.2	4.0	16.0	4.1
1962	23.0	43.8	8.8	23.9	17.8	30.6	5.0	14.8	3.1	16.4	4.4
1963	22.3	49.0	9.0	23.2	17.4	29.8	4.6	14.2	4.0	17.0	4.4
1964	21.6	55.5	8.9	23.1	17.5	29.8	4.6	14.1	3.5	18.2	4.8
1965	20.3	65.4	9.0	23.6	17.5	30.4	4.6	14.9	3.2	19.8	5.0
1966	19.9	74.2	9.0	22.6	17.1	29.2	4.9	13.8	3.3	20.2	5.2
1967	18.9	82.4	8.7	22.1	16.7	28.4	4.4	13.5	3.2	19.6	5.9
1968	18.3	90.9	8.9	21.6	16.5	27.8	3.1	13.0	2.8	20.5	5.9
1969	19.0	98.5	8.8	20.2	15.4	26.7	2.8	13.1	1.6	20.8	6.5

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

TABLE 2A - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES

MICHIGAN, 1900 - 1969

Year	Diphtheria	Scarlet fever & Strep. throat	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis & serum	Tuberculosis (all forms)	Meningococcal infections	Polio myelitis	Syphilis	Gonorrhea	Chancroid
1900	2,706	6,734	694	5,122	3,375	20,356		2,721	654				
1901	2,498	7,726	5,088	3,002	2,955	4,629		2,915	506				
1902	2,993	6,582	7,086	2,456	3,534	11,978		2,658	528				
1903	3,670	5,353	6,341	2,840	4,172	8,941		2,745	525				
1904	3,510	4,088	5,753	3,028	1,779	10,386		2,928	448				
1905	2,159	2,286	2,985	2,774	1,196	6,061		2,590	577				
1906	3,648	3,066	1,240	3,163	1,364	7,403		2,653	533				
1907	2,935	2,514	1,712	1,953	872	12,139		2,699	575				
1908	2,658	3,087	2,306	2,656	1,248	4,775		2,705	487				
1909	3,109	5,153	1,533	2,694	1,054	9,047		3,423	457				
1910	3,433	6,501	3,319	3,361	1,136	13,934		4,415	522	104			
1911	3,762	5,177	898	2,660	1,897	9,639		5,254	478	68			
1912	3,294	4,533	1,127	2,847	1,255	2,834		1,958	88	78			
1913	5,505	4,140	1,995	2,253	929	9,185		1,920	165	56			
1914	5,149	3,769	1,527	2,167	1,822	11,356		2,566	205	49			
1915	4,386	3,402	1,094	1,956	2,258	4,438		3,648	107	95			
1916	5,625	6,932	1,581	2,513	1,837	12,143		7,076	163	598			
1917	8,499	14,322	3,674	1,723	3,211	14,472		4,856	75	91			
1918	6,128	5,944	5,241	1,339	2,563	6,726		3,655	95	121			
1919	7,896	6,269	2,381	1,254	1,829	8,885		4,231	75	155	5,077	7,910	186
1920	10,360	10,280	4,818	1,421	7,171	22,364		4,994	203	67	8,117	11,463	262
1921	12,075	10,893	4,512	1,837	6,696	3,043		5,708	173	483	7,421	9,774	153
1922	8,513	9,687	1,230	1,108	5,642	12,107		5,573	159	43	7,900	9,717	90
1923	7,725	12,858	2,311	982	7,617	30,041		5,471	186	39	10,480	9,597	235
1924	6,011	12,989	4,527	782	4,364	18,290		5,570	157	647	13,000	10,490	183
1925	3,925	12,303	784	962	7,576	10,332		5,785	128	99	14,668	10,660	104
1926	5,377	12,681	549	583	8,776	39,946		5,387	96	107	14,872	10,707	103
1927	4,575	11,011	1,467	581	6,818	8,303		5,406	138	282	15,713	9,318	107
1928	3,724	10,486	1,335	390	9,700	27,039		5,885	276	77	15,323	8,592	100
1929	4,618	14,245	2,410	310	9,340	18,040		6,248	1,864	180	16,606	9,661	333
1930	3,206	11,174	2,375	504	7,937	28,129		5,128	901	208	16,538	8,554	163
1931	1,831	13,023	915	424	11,448	6,212		6,132	293	1,137	14,662	7,843	170
1932	1,188	15,255	222	513	13,091	42,129		7,103	129	112	11,969	6,963	140
1933	1,152	16,419	46	453	11,720	21,654		6,624	86	93	7,691	6,447	85
1934	614	19,238	49	486	11,255	6,528		5,264	53	230	6,483	6,188	132
1935	645	11,849	16	355	13,427	79,061		4,642	113	614	6,416	6,372	110
1936	661	12,650	32	287	14,287	2,453		5,157	120	152	6,401	6,460	133
1937	842	24,798	152	241	11,426	6,154		6,469	87	421	8,708	7,072	244
1938	619	18,362	274	285	14,563	79,400		6,335	69	59	14,684	7,046	341
1939	452	15,836	371	177	8,997	12,948		6,119	46	904	13,144	6,364	286
1940	264	10,366	76	120	11,757	20,206		6,063	49	1,228	9,999	7,650	218
1941	242	8,756	114	147	16,512	70,748		5,371	49	270	11,370	8,767	359
1942	243	7,503	17	74	11,602	8,569		5,720	66	162	12,461	8,753	276
1943	281	5,044	18	115	12,091	51,764		6,546	757	255	15,933	9,526	260
1944	419	8,963	10	78	4,049	26,711		6,419	857	884	17,288	11,987	185
1945	630	9,304	16	59	5,339	6,328	134	5,471	270	215	16,046	12,565	244
1946	385	5,977	3	85	8,116	42,261	34	5,548	185	1,091	18,051	12,635	206
1947	238	4,834	1	77	10,472	9,574	14	6,470	113	646	15,276	10,989	216
1948	126	5,934	-	49	2,668	42,952	9	6,109	107	775	12,100	9,448	465
1949	119	8,852	-	48	4,157	20,279	28	5,953	120	2,909	8,740	9,427	336
1950	84	4,665	-	43	9,184	38,245	48	5,538	133	2,029	8,830	8,678	202
1951	48	8,181	-	33	3,156	15,227	325	6,144	138	1,463	6,532	8,494	187
1952	45	8,325	-	53	1,992	32,941	283	6,152	169	3,912	7,377	7,691	58
1953	12	5,885	-	31	2,932	23,334	868	5,643	151	2,346	5,619	8,790	43
1954	57	5,142	-	30	5,620	40,725	1,419	5,764	150	2,168	4,686	9,940	47
1955	59	5,880	-	24	4,249	23,882	1,244	5,488	170	1,177	4,865	10,306	58
1956	220	7,349	-	56	1,907	41,966	814	5,515	182	656	4,785	9,598	52
1957	130	7,193	-	12	1,363	19,070	657	5,011	175	498	4,571	8,428	97
1958	6	5,380	-	18	1,233	41,448	688	5,587	228	1,228	4,267	8,621	178
1959	3	9,452	-	8	3,001	12,234	1,136	4,743	141	448	3,421	8,033	136
1960	9	9,287	-	14	1,129	36,161	2,113	4,127	169	88	3,647	8,372	112
1961	3	8,347	-	7	639	29,391	4,607	3,838	253	40	3,309	9,505	102
1962	4	8,116	-	12	1,756	25,303	3,280	3,474	139	21	4,331	11,654	75
1963	5	11,964	-	14	1,410	48,752	2,661	3,298	104	18	5,512	11,043	98
1964	1	17,228	-	13	957	30,897	2,472	3,047	80	3	5,220	12,028	106
1965	-	14,622	-	7	612	28,132	2,625	3,069	107	1	5,638	14,319	95
1966	1	13,862	-	7	653	15,251	2,589	3,259	135	1	5,842	15,424	114
1967	1	13,269	-	8	1,058	1,048	1,915	2,951	76	3	5,581	17,088	78
1968	-	10,101	-	1	429	353	2,356	2,618	94	3	5,351	18,153	105
1969	-	9,763	-	6	192	401	3,359	2,133	114	1	3,809	18,534	103

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

TABLE 2B - CASE RATES OF CERTAIN REPORTED COMMUNICABLE DISEASES

MICHIGAN, 1900 - 1969

(Rates per 100,000 Population)

Year	Diphtheria	Scarlet fever & Strep. throat	Smallpox	Typhoid fever	Whooping cough	Measles	Infectious hepatitis & serum	Tuberculosis (all forms)	Meningococcal infections	Polio myelitis	Syphilis	Gonorrhea	Chancroid
1900	111.8	278.2	28.7	211.6	139.4	840.8		112.4	27.0				
1901	101.5	314.1	206.8	122.0	120.1	188.2		118.5	20.6				
1902	119.8	263.4	283.6	98.3	141.4	479.3		106.4	21.1				
1903	144.6	210.9	249.9	111.9	164.4	352.3		108.2	20.7				
1904	136.2	158.7	223.3	117.5	69.0	403.1		113.6	17.4				
1905	82.5	87.4	114.1	106.1	45.7	231.7		99.0	22.1				
1906	137.4	115.5	46.7	119.2	51.4	278.9		99.9	20.1				
1907	109.0	93.3	63.6	72.5	32.4	450.7		100.2	21.3				
1908	97.3	113.0	84.4	97.2	45.7	174.8		99.0	17.8				
1909	112.2	185.9	55.3	97.2	38.0	326.5		123.5	16.5				
1910	122.2	231.3	118.1	119.6	40.4	495.8		157.1	18.6	3.7			
1911	129.9	178.8	31.0	91.8	65.5	332.8		181.4	16.5	2.3			
1912	110.5	152.0	37.8	95.5	42.1	95.0		65.7	3.0	2.6			
1913	179.5	135.0	65.0	73.4	30.3	299.4		62.6	5.4	1.8			
1914	163.3	119.5	48.4	68.7	57.8	360.1		81.4	6.5	1.6			
1915	135.4	105.0	33.8	60.4	69.7	137.0		112.6	3.3	2.9			
1916	169.2	208.5	47.5	75.6	55.2	365.2		212.8	4.9	18.0			
1917	249.2	419.9	107.7	50.5	94.1	424.3		142.4	2.2	2.7			
1918	175.2	170.0	149.9	38.3	73.3	192.4		104.5	2.7	3.5			
1919	220.4	175.0	66.5	35.0	51.1	248.0		118.1	2.1	4.3	141.7	220.8	5.2
1920	282.4	280.2	131.3	38.7	195.5	609.6		136.1	5.5	1.8	221.3	312.5	7.1
1921	318.9	287.7	119.2	48.5	176.9	80.4		150.8	4.6	12.8	196.0	258.2	4.0
1922	218.1	248.2	31.5	28.4	144.5	310.2		142.8	4.1	1.1	202.4	248.9	2.3
1923	192.1	320.1	57.5	24.4	189.5	747.2		136.1	4.6	1.0	260.7	238.7	5.8
1924	145.3	313.9	109.4	18.9	105.5	442.0		134.6	3.8	15.6	314.2	253.5	4.4
1925	92.2	289.1	18.4	22.6	178.0	242.8		135.9	3.0	2.3	344.7	250.5	2.4
1926	123.0	290.0	12.6	13.3	200.7	913.5		123.2	2.2	2.4	340.1	244.9	2.4
1927	101.9	245.2	32.7	12.9	151.8	184.9		120.4	3.1	6.3	349.9	207.5	2.4
1928	80.8	227.6	29.0	8.5	210.5	586.9		127.7	6.0	1.7	332.6	186.5	2.2
1929	97.7	301.5	51.0	6.6	197.7	381.8		132.2	39.4	3.8	351.4	204.5	7.0
1930	66.2	230.8	49.0	10.4	163.9	580.9		105.9	18.6	4.3	341.5	176.6	3.4
1931	37.5	266.7	18.7	8.7	234.4	127.2		125.6	6.0	23.3	300.2	160.6	3.5
1932	24.1	309.7	4.5	10.4	265.8	855.4		144.2	2.6	2.3	243.0	141.4	2.8
1933	23.2	330.6	0.9	9.1	236.0	436.0		133.4	1.7	1.9	154.9	129.8	1.7
1934	12.3	384.2	1.0	9.7	224.8	130.4		105.1	1.1	4.6	129.5	123.6	2.6
1935	12.8	234.7	0.3	7.0	265.9	1,565.8		91.9	2.2	12.2	127.1	126.2	2.2
1936	13.0	248.5	0.6	5.6	280.7	48.2		101.3	2.4	3.0	125.7	126.9	2.6
1937	16.4	483.2	3.0	4.7	222.6	119.9		126.1	1.7	8.2	169.7	137.8	4.8
1938	12.0	354.9	5.3	5.5	281.5	1,534.8		122.5	1.3	1.1	283.8	136.2	6.6
1939	8.7	303.7	7.1	3.4	172.5	248.3		117.3	0.9	17.3	252.0	122.0	5.5
1940	5.0	197.2	1.4	2.3	223.7	384.4		115.3	0.9	23.4	190.2	145.5	4.1
1941	4.5	161.0	2.1	2.7	303.7	1,301.1		98.8	0.9	5.0	209.1	161.2	6.6
1942	4.4	135.5	0.3	1.3	209.5	154.7		103.3	1.2	2.9	225.0	158.0	5.0
1943	5.2	93.8	0.3	2.1	224.8	962.6		121.7	14.1	4.7	296.3	177.1	4.8
1944	7.8	166.7	0.2	1.5	75.3	496.7		119.4	15.9	16.4	321.5	222.9	3.4
1945	11.6	171.2	0.3	1.1	98.2	116.4	2.5	100.7	5.0	4.0	295.2	231.2	4.5
1946	6.7	104.7	0.1	1.5	142.2	740.3	0.6	97.2	3.2	19.1	316.2	221.3	3.6
1947	3.9	79.6	0.0	1.3	172.5	157.8	0.2	106.6	1.9	10.6	251.7	181.1	3.6
1948	2.0	95.8	0	0.8	43.1	693.3	0.1	98.6	1.7	12.5	195.3	152.5	7.5
1949	1.9	139.4	0	0.8	65.4	319.3	0.4	93.7	1.9	45.8	137.6	148.4	5.3
1950	1.3	73.2	0	0.7	144.1	600.2	0.8	86.9	2.1	31.8	138.6	136.2	3.2
1951	0.7	125.0	0	0.5	48.2	232.7	5.0	93.9	2.1	22.4	99.8	129.8	2.9
1952	0.7	124.1	0	0.8	29.7	491.1	4.2	91.7	2.5	58.3	110.0	114.7	0.9
1953	0.2	85.9	0	0.5	42.8	340.5	12.7	82.4	2.2	34.2	82.0	128.3	0.6
1954	0.8	73.2	0	0.4	80.0	579.8	20.2	82.1	2.1	30.9	66.7	141.5	0.7
1955	0.8	81.3	0	0.3	58.7	330.0	17.2	75.8	2.3	16.3	67.2	142.4	0.8
1956	2.9	97.8	0	0.7	25.4	558.4	10.8	73.4	2.4	8.7	63.7	127.7	0.7
1957	1.7	92.2	0	0.2	17.5	244.4	8.4	64.2	2.2	6.4	58.6	108.0	1.2
1958	0.1	68.4	0	0.2	15.7	526.9	8.7	71.0	2.9	15.6	54.2	109.6	2.3
1959	0.0	118.7	0	0.1	37.7	153.7	14.3	59.6	1.8	5.6	43.0	100.9	1.7
1960	0.1	118.7	0	0.2	14.4	462.2	27.0	52.8	2.2	1.1	46.6	107.0	1.4
1961	0.0	105.6	0	0.1	8.1	371.9	58.3	48.6	3.2	0.5	41.9	120.3	1.3
1962	0.1	102.2	0	0.2	22.1	318.7	41.3	43.8	1.8	0.3	54.6	146.8	0.9
1963	0.1	149.0	0	0.2	17.6	607.1	33.1	41.1	1.3	0.2	68.6	137.5	1.2
1964	0.0	212.7	0	0.2	11.8	381.4	30.5	37.6	1.0	0.0	64.4	148.5	1.3
1965	0	178.3	0	0.1	7.5	343.1	32.0	37.4	1.3	0.0	68.8	174.6	1.2
1966	0.0	166.7	0	0.1	7.9	183.4	31.1	39.2	1.6	0.0	70.3	185.5	1.4
1967	0.0	154.0	0	0.1	12.3	12.2	22.2	34.2	0.9	0.0	64.8	198.4	0.9
1968	0	116.4	0	0.0	4.9	4.1	27.2	30.2	1.1	0.0	61.7	209.3	1.2
1969	0	111.8	0	0.1	2.2	4.6	38.5	24.4	1.3	0.0	43.6	212.2	1.2

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

TABLE 3 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES  
MICHIGAN, 1900 - 1969

(Rates per 100,000 Population)

Year	Diphtheria		Scarlet Fever and Strep. Sore Throat		Smallpox		Typhoid Fever		Whooping Cough		Measles		Tuberculosis of the Respiratory System		Tuberculosis (all forms)		Poliomyelitis		Syphilis*		Gonorrhea	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
	1900	529	21.9	272	11.2	9	0.4	869	35.9	208	8.6	342	14.1	2,018	83.4	2,500	103.3					
1901	502	20.4	312	12.7	27	1.1	645	26.2	163	6.6	79	3.2	2,152	87.5	2,548	103.6			88	3.6		
1902	504	20.2	277	11.1	42	1.7	608	24.3	289	11.6	238	9.5	2,088	83.6	2,462	98.5			114	4.6		
1903	686	27.0	200	7.9	29	1.1	606	23.9	383	15.1	176	6.9	2,155	84.9	2,562	101.0			130	5.2		
1904	515	20.0	210	8.1	26	1.0	641	24.9	148	5.7	194	7.5	2,306	89.5	2,761	107.2			101	4.0		
1905	478	18.3	123	4.7	74	2.8	636	24.3	131	5.0	123	4.7	2,288	87.5	2,732	104.4			89	3.5		
1906	472	17.8	227	8.6	3	0.1	721	27.2	469	17.7	251	9.5	2,303	86.8	2,737	103.1			89	3.4		
1907	421	15.6	159	5.9	8	0.3	594	22.1	223	8.3	256	9.5	2,338	86.8	2,728	101.3			94	3.6		
1908	343	12.6	194	7.1	11	0.4	687	25.1	305	11.2	121	4.4	2,249	82.3	2,706	99.0			118	4.5		
1909	395	14.3	275	9.9	4	0.1	653	23.6	217	7.8	270	9.7	2,237	80.7	2,629	94.9			127	4.8		
1910	495	17.6	297	10.6	121	4.3	654	23.3	318	11.3	251	8.9	2,273	80.9	2,756	98.1	52	1.9	65	2.3		
1911	473	16.3	208	7.2	7	0.2	551	19.0	254	8.8	200	6.9	2,284	78.9	2,766	95.5	55	1.9	104	3.6		
1912	465	15.6	186	6.2	3	0.1	534	17.9	252	8.5	118	4.0	2,289	76.8	2,744	92.0	48	1.7	90	3.1		
1913	676	22.0	283	9.2	5	0.2	538	17.5	292	9.5	258	8.4	2,243	73.1	2,703	88.1	43	1.5	136	4.6		
1914	507	16.1	177	5.6	2	0.1	400	12.7	304	9.6	180	5.7	2,325	73.7	2,799	88.8	41	1.4	160	5.3		
1915	354	10.9	107	3.3	5	0.2	353	10.9	236	7.3	101	3.1	2,527	78.0	2,986	92.2	36	1.2	163	5.3		
1916	507	15.2	177	5.3	2	0.1	424	12.8	228	6.9	363	10.9	2,573	77.4	3,070	92.3	141	4.6	206	6.7		
1917	851	24.9	340	10.0	9	0.3	386	11.3	360	10.6	259	7.6	2,779	81.5	3,310	97.0	44	1.4	224	7.1		
1918	686	19.6	181	5.2	18	0.5	337	9.6	496	14.2	270	7.7	3,059	87.5	3,612	103.3	58	1.8	290	9.1		
1919	764	21.3	179	5.0	10	0.3	272	7.6	172	4.8	183	5.1	2,620	73.1	3,127	87.3	80	2.2	299	8.2		
1920	888	24.2	305	8.3	14	0.4	297	8.1	511	13.9	436	11.9	2,645	72.1	3,149	85.8	30	0.8	314	8.4		
1921	954	25.2	334	8.8	12	0.3	285	7.5	316	8.3	58	1.5	2,285	60.4	2,736	72.3	100	2.6	226	5.9	14	0.4
1922	620	15.9	217	5.6	20	0.5	192	4.9	232	5.9	232	5.9	2,232	57.2	2,654	68.0	21	0.5	186	4.7	6	0.2
1923	675	16.8	304	7.6	13	0.3	202	5.0	323	8.0	258	6.4	2,410	59.9	2,837	70.6	18	0.5	262	6.8	5	0.1
1924	470	11.4	265	6.4	226	5.5	149	3.6	169	4.1	221	5.3	2,474	59.8	2,952	71.3	116	3.0	271	7.0	13	0.3
1925	358	8.4	208	4.9	22	0.5	157	3.7	260	6.1	69	1.6	2,410	56.6	2,830	66.5	31	0.7	282	6.6	27	0.6
1926	677	15.5	235	5.4	4	0.1	119	2.7	355	8.1	577	13.2	2,601	59.5	3,041	69.5	34	0.8	327	7.5	12	0.3
1927	516	11.5	168	3.7	-	0	94	2.1	201	4.5	67	1.5	2,514	56.0	2,952	65.7	69	1.5	305	6.8	16	0.4
1928	384	8.3	178	3.9	2	0.0	83	1.8	219	4.8	303	6.6	2,647	57.4	3,108	67.5	27	0.6	384	8.4	19	0.4
1929	498	10.5	145	3.1	9	0.2	81	1.7	255	5.4	146	3.1	2,685	56.8	3,140	66.5	50	1.1	397	8.4	19	0.4
1930	299	6.2	130	2.7	9	0.2	87	1.8	176	3.6	231	4.8	2,443	50.5	2,912	60.1	39	0.8	395	8.2	12	0.2
1931	172	3.5	122	2.5	4	0.1	73	1.5	190	3.9	28	0.6	2,263	46.3	2,660	54.5	108	2.2	361	7.4	3	0.1
1932	106	2.2	117	2.3	1	0.0	56	1.1	199	4.0	183	3.7	2,101	42.7	2,463	50.0	23	0.5	377	7.7	2	0.0
1933	112	2.3	157	3.2	-	0	50	1.0	153	3.1	111	2.2	1,996	40.2	2,348	47.3	5	0.1	327	6.6	7	0.1
1934	38	0.8	171	3.4	-	0	65	1.3	141	2.8	36	0.7	1,909	38.1	2,199	43.9	25	0.5	402	8.0	10	0.2
1935	58	1.1	98	1.9	-	0	34	0.7	132	2.6	184	3.6	1,741	34.5	2,044	40.5	32	0.6	393	7.8	3	0.1
1936	52	1.0	114	2.2	-	0	37	0.7	107	2.1	12	0.2	1,816	35.7	2,100	41.3	21	0.4	394	7.7	6	0.1
1937	72	1.4	148	2.9	1	0.0	29	0.6	132	2.6	11	0.2	1,860	36.2	2,119	41.3	51	1.0	401	7.8	8	0.2
1938	44	0.9	87	1.7	-	0	23	0.4	116	2.2	100	1.9	1,633	31.6	1,866	36.1	10	0.2	401	7.8	8	0.2
1939	25	0.5	69	1.3	-	0	25	0.5	76	1.5	29	0.6	1,651	31.7	1,881	36.1	40	0.8	389	7.5	4	0.1
1940	20	0.4	41	0.8	1	0.0	11	0.2	59	1.1	19	0.4	1,547	29.4	1,752	33.3	72	1.4	591	11.2	3	0.0
1941	18	0.3	32	0.6	1	0.0	14	0.3	91	1.7	65	1.2	1,532	28.2	1,723	31.7	18	0.3	537	9.9	1	0.0
1942	24	0.4	23	0.4	-	0	5	0.1	72	1.3	8	0.1	1,630	29.4	1,827	33.0	10	0.2	559	10.1	7	0.1
1943	21	0.4	11	0.2	-	0	9	0.2	101	1.9	89	1.7	1,588	29.5	1,802	33.5	27	0.5	579	10.8	3	0.0
1944	32	0.6	7	0.1	1	0.0	7	0.1	33	0.6	49	0.9	1,544	28.7	1,748	32.5	45	0.8	543	10.1	2	0.0
1945	46	0.8	9	0.2	-	0	3	0.1	36	0.7	10	0.2	1,591	29.3	1,758	32.3	20	0.4	527	9.7	2	0.0
1946	27	0.5	3	0.1	-	0	6	0.1	44	0.8	47	0.8	1,645	28.8	1,843	32.3	89	1.6	547	9.6	-	0
1947	23	0.4	6	0.1	-	0	5	0.1	63	1.0	5	0.1	1,483	24.4	1,643	27.1	29	0.5	502	8.3	3	0.0
1948	8	0.1	1	0.0	-	0	4	0.1	9	0.1	43	0.7	1,395	22.5	1,561	25.2	54	0.9	512	8.3	-	0
1949	11	0.2	4	0.1	-	0	1	0.0	22	0.3	33	0.5	1,254	19.7	1,400	22.0	216	3.4	455	7.2	-	0
1950	2	0.0	1	0.0	-	0	5	0.1	28	0.4	28	0.4	1,134	17.8	1,270	19.9	128	2.0	325	5.1	1	0.0
1951	6	0.1	-	0	-	0	1	0.0	21	0.3	11	0.2	1,049	16.0	1,154	17.6	67	1.0	299	4.6	1	0.0
1952	2	0.0	-	0	-	0	0	0	8	0.1	17	0.3	689	10.3	775	11.6	213	3.2	174	2.6	2	0.0
1953	2	0.0	1	0.0	-	0	0	0	11	0.2	16	0.2	536	7.8	607	8.9	108	1.6	182	2.7	1	0.0
1954	3	0.0	3	0.0	-	0	0	0	17	0.2	17	0.2	471	6.7	530	7.5	89	1.3	139	2.0	2	0.0
1955	1	0.0	1	0.0	-	0	1	0.0	8	0.1	10	0.1	435	6.0	477	6.6	32	0.4	115	1.6	1	0.0
1956	6	0.1	3	0.0	-	0	0	0	6	0.1	26	0.3	426	5.7	466	6.2	22	0.3	114	1.5	4	0.1
1957	1	0.0	-	0	-	0	0	0	6	0.1	23	0.3	403	5.2	442	5.7	15	0.2	105	1.3	4	0.1
1958	-	0	-	0	-	0	0	0	1	0.0	18	0.2	357	4.5	395	5.0	37	0.5	84	1.1	8	0.1
1959	1	0.0	2	0.0	-	0	1	0.0	5	0.1	11	0.1	335	4.2	370	4.6	17	0.2	84	1.1	4	0.1
1960	2	0.0	1	0.0	-	0	0	0	1	0.0	17	0.2	364	4.7	390	5.0	4	0.1	79	1.0	7	0.1
1961	1	0.0	1	0.0	-	0	0	0	2	0.0	13	0.2	307	3.9	332	4.2	-	0	71	0.9	7	0.1
1962	2	0.0	1	0.0	-	0	0	0	2	0.0	8	0.1	307	3.9	331	4.2	2	0.0	94	1.2	3	0.0
1963	-	0	-	0	-	0	0	0	-	0	27	0.3	276	3.4	299	3.7	1	0.0	72	0.9	1	0.0
1964	-	0	-	0	-	0	0	0	2	0.0	11	0.1	288	3.6	315	3.9						





BIRTHS	D E A T H S						
	Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Peri-natal	Due to Immaturity	Fetal
332	32,453	6,866				620	1,325
365	32,834	6,319				524	1,501
383	31,472	5,949				608	1,793
490	33,176	6,488				542	1,814
562	34,494	6,419				632	1,911
444	34,679	7,054				751	2,044
1,090	37,033	7,952				830	2,358
1,041	36,701	6,906				855	2,358
888	36,761	7,697				975	2,694
1,068	36,313	7,443				1,152	2,540
1,054	39,913	7,998				2,050	2,559
1,083	38,007	7,131				2,223	2,716
1,222	38,804	6,985				2,340	2,906
1,227	40,827	7,659				2,480	2,953
1,192	39,906	7,431				2,391	3,113
1,363	40,441	6,943				2,207	3,357
1,351	46,047	8,415				2,498	3,689
1,101	47,236	7,916				2,369	3,550
1,142	54,617	8,197				2,362	3,686
1,002	45,636	7,560				2,183	3,361
1,445	51,982	8,587				2,512	3,770
1,346	44,186	7,584				2,481	3,669
1,180	43,817	6,730				1,793	3,779
1,210	49,333	7,477				1,911	3,657
1,443	47,304	7,088	4,119	6,791		1,970	3,703
1,258	49,417	7,498	4,022	6,667		1,987	3,670
1,669	54,080	7,620	4,054	6,773		1,986	3,816
1,872	50,600	6,766	3,915	6,794		1,911	3,834
1,853	54,755	6,806	3,739	6,594		1,846	3,701
1,632	56,117	6,605	3,777	6,613		1,853	3,710
1,600	51,561	6,213	3,624	6,518		1,805	3,714
1,633	49,068	5,187	3,084	5,643		1,473	3,220
1,697	49,569	4,630	2,798	5,210		1,372	2,980
2,041	48,507	4,094	2,591	4,906		1,364	2,776
2,124	50,440	4,377	2,717	4,781		1,419	2,607
2,194	51,051	4,170	2,550	4,832		1,389	2,717
2,157	54,777	4,479	2,647	4,726		1,395	2,625
2,234	53,468	4,374	2,700	4,919		1,415	2,707
2,331	50,678	4,319	2,734	4,984		1,484	2,732
2,217	52,017	3,952	2,594	4,706		1,396	2,572
2,280	52,092	4,022	2,629	4,749		1,298	2,602
2,370	52,671	4,166	2,687	4,991		1,353	2,769
2,532	52,738	4,606	3,091	5,581		1,575	3,067
2,569	56,774	4,804	2,979	5,563		1,488	3,213
3,115	54,016	4,326	2,784	5,140		1,412	2,874
3,485	53,641	4,008	2,670	4,906		1,339	2,703
3,908	54,856	4,541	3,323	5,978		1,735	3,168
4,311	56,807	5,055	3,677	6,583		1,953	3,422
4,310	56,520	4,617	3,352	5,968		1,820	3,132
3,953	57,107	4,520	3,232	5,746		1,795	2,994

# TABLES 1968

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE  
MICHIGAN, 1968

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
STATE	103,349	-	10,101	1	429	2,356	353	94	3	782	2,618	5,351	18,153	63,108
ALCONA	6	-	-	-	-	-	-	-	-	1	2	1	-	2
ALGER	65	-	-	-	-	-	-	-	-	2	3	1	1	58
Munising	56	-	-	-	-	-	-	-	-	-	-	1	1	54
Balance of County	9	-	-	-	-	-	-	-	-	2	3	-	-	4
ALLEGAN	655	-	249	-	6	40	3	-	-	5	3	11	59	279
Allegan	24	-	2	-	-	2	-	-	-	-	1	5	3	11
Holland Pt.	2	-	-	-	-	-	-	-	-	-	1	-	-	1
Otsego	246	-	133	-	-	1	1	-	-	-	-	-	-	6
Plainwell	40	-	13	-	4	1	1	-	-	-	-	1	14	6
Balance of County	343	-	101	-	2	36	1	-	-	5	1	5	36	156
ALPENA	99	-	-	-	-	-	-	-	-	1	2	6	6	84
Alpena	68	-	-	-	-	-	-	-	-	-	2	4	6	56
Balance of County	31	-	-	-	-	-	-	-	-	1	-	2	-	28
ANTRIM	7	-	-	-	-	2	-	1	-	-	1	-	3	-
ARENAC	20	-	-	-	-	-	-	-	-	6	5	2	7	-
BARAGA	100	-	10	-	-	-	-	-	-	2	-	3	3	82
BARRY	719	-	75	-	-	17	5	2	-	3	2	4	24	587
Hastings	158	-	14	-	-	-	1	-	-	-	-	2	8	133
Balance of County	561	-	61	-	-	17	4	2	-	3	2	2	16	454
BAY	1,614	-	43	-	-	5	1	1	-	11	14	18	108	1,413
Bay City	904	-	34	-	-	2	-	34	-	-	11	15	88	754
Essexville	107	-	1	-	-	1	-	-	-	-	1	-	3	101
Balance of County	603	-	8	-	-	2	1	1	-	11	2	3	17	558
BENZIE	9	-	-	-	-	2	-	-	-	-	1	1	3	2
BERRIEN	365	-	-	-	1	36	-	-	-	15	32	108	168	5
Benton Harbor	168	-	-	-	-	3	-	-	-	-	20	60	84	1
Buchanan	20	-	-	-	-	8	-	-	-	-	-	4	7	1
Niles	38	-	-	-	-	4	-	-	-	-	1	12	21	-
St. Joseph	11	-	-	-	-	-	-	-	-	-	1	4	4	2
Balance of County	128	-	-	-	1	21	-	-	-	15	10	28	52	1
BRANCH	184	-	1	-	1	15	-	2	-	7	5	6	32	115
Coldwater	53	-	1	-	-	7	-	1	-	-	4	2	13	25
Balance of County	131	-	-	-	1	8	-	1	-	7	1	4	19	90
CALHOUN	1,165	-	39	-	2	93	14	1	-	14	36	64	314	588
Albion	179	-	4	-	-	20	1	-	-	-	5	12	61	76
Battle Creek	447	-	4	-	1	24	4	-	-	-	23	44	185	162
Marshall	46	-	1	-	-	1	2	-	-	-	2	1	16	23
Springfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	493	-	30	-	1	48	7	1	-	14	6	7	52	327
CASS	144	-	13	-	-	6	3	-	-	2	6	9	26	79
Dowagiac	18	-	-	-	-	3	-	-	-	-	1	3	10	1
Balance of County	126	-	13	-	-	3	3	-	-	2	5	6	16	78
CHARLEVOIX	21	-	2	-	-	1	-	-	-	2	2	5	5	4
Boyne City	3	-	-	-	-	-	-	-	-	-	-	2	1	-
Charlevoix	10	-	2	-	-	-	-	-	-	-	-	-	4	4
Balance of County	8	-	-	-	-	1	-	-	-	2	2	3	-	-
CHEBOYGAN	73	-	4	-	-	1	3	-	-	2	1	10	3	49
Cheboygan	23	-	2	-	-	1	2	-	-	-	-	6	2	10
Balance of County	50	-	2	-	-	-	1	-	-	2	1	4	1	39
CHIPPEWA	97	-	2	-	-	1	1	-	-	5	6	3	29	50
Sault Ste. Marie	40	-	1	-	-	1	-	-	-	-	2	2	24	10
Balance of County	57	-	1	-	-	1	-	-	-	5	4	1	5	40
CLARE	6	-	-	-	-	-	-	-	-	-	-	1	5	-
CLINTON	466	-	241	-	2	9	3	1	1	7	3	3	36	160
St. Johns	14	-	4	-	-	1	-	-	-	-	-	1	7	1
Balance of County	452	-	237	-	2	8	3	1	1	7	3	2	29	159
CRAWFORD	8	-	-	-	-	4	1	-	-	-	-	2	-	1
DELTA	833	-	191	-	-	-	-	2	-	1	6	3	10	620
Escanaba	818	-	191	-	-	-	-	1	-	-	1	2	5	618
Gladstone	4	-	-	-	-	-	-	-	-	-	3	-	1	-
Balance of County	11	-	-	-	-	-	-	1	-	1	2	1	4	2
DICKINSON	143	-	5	-	-	-	-	-	-	1	5	3	8	121
Iron Mountain	38	-	1	-	-	-	-	-	-	-	3	2	4	28
Kingsford	28	-	2	-	-	-	-	-	-	-	-	1	4	21
Norway	51	-	2	-	-	-	-	-	-	-	-	-	-	49
Balance of County	26	-	-	-	-	-	-	-	-	1	2	-	-	23

1968

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
EATON	635	-	15	-	-	33	-	-	-	9	3	10	67	498
Charlotte	476	-	13	-	-	16	-	-	-	-	1	2	34	410
Eaton Rapids	16	-	-	-	-	1	-	-	-	-	1	3	9	2
Grand Ledge	7	-	-	-	-	-	-	-	-	-	1	-	4	2
Balance of County	136	-	2	-	-	16	-	-	-	9	-	5	20	84
EMMET	21	-	6	-	-	-	-	-	-	1	1	5	5	3
Petoskey	13	-	6	-	-	-	-	-	-	-	-	1	3	3
Balance of County	8	-	-	-	-	-	-	-	-	1	1	4	2	-
GENESEE	4,896	-	253	-	14	89	14	7	-	26	88	211	1,415	2,779
Davison	86	-	5	-	-	4	-	-	-	-	3	3	2	69
Fenton	33	-	3	-	-	-	-	-	-	-	2	2	16	10
Flint	3,150	-	129	-	10	60	10	4	-	-	67	190	1,301	1,379
Flushing	97	-	6	-	-	3	-	-	-	-	4	1	8	75
Mount Morris	96	-	4	-	-	4	1	-	-	-	5	7	30	45
Swartz Creek	28	-	2	-	-	3	-	-	-	-	1	1	9	12
Balance of County	1,406	-	104	-	4	15	3	3	-	26	6	7	49	1,189
GLADWIN	6	-	-	-	-	-	-	-	-	2	1	-	3	-
GOGEBIC	106	-	29	-	-	-	-	-	-	3	13	7	12	42
Bessemer	3	-	-	-	-	-	-	-	-	-	-	-	3	-
Ironwood	39	-	4	-	-	-	-	-	-	-	7	5	4	19
Wakefield	5	-	-	-	-	-	-	-	-	-	3	-	2	-
Balance of County	59	-	25	-	-	-	-	-	-	3	3	2	3	23
GRAND TRAVERSE	177	-	22	-	-	17	7	-	-	8	5	7	18	93
Traverse City	94	-	14	-	-	16	5	-	-	-	3	5	15	36
Balance of County	83	-	8	-	-	1	2	-	-	8	2	2	3	57
GRATIOT	119	-	-	-	3	10	1	1	-	7	6	8	21	62
Alma	16	-	-	-	-	1	-	-	-	-	2	5	7	1
Ithaca	7	-	-	-	-	-	-	-	-	-	2	-	5	-
St. Louis	4	-	-	-	-	-	-	-	-	-	2	1	1	-
Balance of County	92	-	-	-	3	9	1	1	-	7	-	2	8	61
HILLSDALE	139	-	2	-	2	97	1	-	-	5	6	6	16	4
Hillsdale	40	-	2	-	-	22	-	-	-	-	4	2	7	3
Balance of County	99	-	-	-	2	75	1	-	-	5	2	4	9	1
HOUGHTON	638	-	7	-	1	1	-	-	-	8	14	9	19	579
Hancock	325	-	6	-	1	-	-	-	-	-	2	1	4	311
Houghton	51	-	-	-	-	-	-	-	-	-	3	1	7	40
Laurium	21	-	-	-	-	-	-	-	-	-	2	1	1	17
Balance of County	241	-	1	-	-	1	-	-	-	8	7	6	7	211
HURON	44	-	1	-	1	4	3	-	-	1	5	3	7	19
Bad Axe	7	-	-	-	-	-	1	-	-	-	-	1	5	-
Balance of County	37	-	1	-	1	4	2	-	-	1	5	2	2	19
INGHAM	6,762	-	3,907	-	4	50	10	2	-	27	21	86	964	1,691
East Lansing	144	-	-	-	-	1	-	-	-	-	-	6	137	-
Lansing	5,508	-	3,338	-	4	43	10	1	-	-	19	73	724	1,296
Mason	135	-	73	-	-	1	-	-	-	-	-	2	11	48
Balance of County	975	-	496	-	-	5	-	1	-	27	2	5	92	347
IONIA	672	-	158	-	-	8	-	-	-	4	5	12	67	418
Belding	20	-	-	-	-	-	-	-	-	-	1	3	16	-
Ionia	86	-	23	-	-	1	-	-	-	-	3	6	18	35
Portland	18	-	-	-	-	-	-	-	-	-	1	-	17	-
Balance of County	548	-	135	-	-	7	-	-	-	4	-	3	16	383
IOSCO	1,059	-	212	-	7	15	3	-	-	2	1	3	1	817
IRON	97	-	12	-	-	-	-	1	-	-	9	1	3	71
Iron River	5	-	-	-	-	-	-	-	-	-	3	-	2	-
Balance of County	92	-	12	-	-	-	-	1	-	-	6	1	1	71
ISABELLA	76	-	-	-	-	12	3	-	-	7	2	5	27	20
Mount Pleasant	37	-	-	-	-	2	27	-	-	-	1	2	17	13
Balance of County	39	-	-	-	-	10	1	-	-	7	1	3	10	7
JACKSON	505	-	21	-	3	68	-	-	-	4	28	91	127	163
Jackson	247	-	-	-	-	45	-	-	-	-	24	71	99	8
Balance of County	258	-	21	-	3	23	-	-	-	4	4	20	28	155
KALAMAZOO	3,210	-	81	-	8	48	6	1	1	9	29	53	548	2,426
Kalamazoo	1,633	-	26	-	4	17	2	-	-	-	27	45	516	996
Balance of County	1,577	-	55	-	4	31	4	1	1	9	2	8	32	1,430
KALKASKA	136	-	5	-	-	1	-	-	-	1	3	1	-	125
KENT	3,570	-	1,282	-	63	96	2	3	-	23	83	108	1,447	463
East Grand Rapids	53	-	42	-	2	-	-	-	-	-	-	-	-	9
Grand Rapids	2,652	-	716	-	23	60	1	1	-	-	70	104	1,319	358
Grandville	395	-	326	-	4	3	-	-	-	-	1	-	15	44
Lowell	19	-	1	-	5	-	-	-	-	-	2	-	10	1
Sparta	24	-	-	-	-	3	-	-	-	-	-	3	16	2
Wyoming	55	-	-	-	10	3	-	1	-	-	3	-	33	5
Balance of County	374	-	197	-	19	27	1	1	-	23	7	1	54	44

1968

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
KEWEENAW	60	-	1	-	-	-	-	-	-	-	-	-	-	59
LAKE	38	-	-	-	-	-	-	-	-	-	2	10	3	23
LAPEER	414	-	25	-	6	10	-	-	-	5	5	13	15	335
Lapeer	33	-	1	-	-	3	-	-	-	-	1	3	5	20
Balance of County	381	-	24	-	6	7	-	-	-	5	4	10	10	315
LEELANAU	14	-	-	-	-	2	-	-	-	-	2	6	4	-
LENAWEE	604	-	12	-	2	42	1	-	-	19	8	17	86	417
Adrian	263	-	5	-	-	8	-	-	-	-	5	7	56	182
Blissfield	8	-	1	-	2	3	-	-	-	-	1	1	-	-
Hudson	12	-	-	-	-	5	1	-	-	-	-	2	1	3
Tecumseh	31	-	-	-	-	2	-	-	-	-	-	4	5	20
Balance of County	290	-	6	-	-	24	-	-	-	19	2	3	24	212
LIVINGSTON	245	-	8	-	1	5	9	-	-	5	17	7	19	174
Howell	85	-	2	-	-	3	5	-	-	-	6	1	7	61
Balance of County	160	-	6	-	1	2	4	-	-	5	11	6	12	113
LUCE	49	-	-	-	3	1	-	-	-	3	-	2	4	36
Newberry	43	-	-	-	3	-	-	-	-	-	-	2	3	35
Balance of County	6	-	-	-	-	1	-	-	-	3	-	-	1	1
MACKINAC	47	-	1	-	-	1	-	-	-	4	6	7	4	24
St. Ignace	28	-	1	-	-	1	-	-	-	-	1	2	-	23
Balance of County	19	-	-	-	-	-	-	-	-	4	5	5	4	1
MACOMB	6,377	-	132	-	4	87	-	7	-	47	105	113	201	5,681
Center Line	91	-	1	-	-	4	-	-	-	-	-	3	-	83
East Detroit	81	-	1	-	1	4	-	1	-	-	15	4	5	50
Fraser	109	-	1	-	-	1	-	-	-	-	3	2	5	97
Mount Clemens	286	-	2	-	-	7	-	-	-	-	13	28	59	177
New Baltimore Pt.	35	-	-	-	-	-	-	-	-	-	1	1	1	32
Richmond	41	-	19	-	-	1	-	-	-	-	-	-	1	20
Romeo	26	-	-	-	-	-	-	-	-	-	2	2	4	18
Roseville	286	-	5	-	1	7	-	1	-	-	10	14	26	222
St. Clair Shores	1,337	-	27	-	-	7	-	-	-	-	18	9	24	1,252
Warren	2,531	-	56	-	-	27	-	4	-	-	35	44	58	2,307
Balance of County	1,554	-	20	-	2	29	-	1	-	47	8	6	18	1,423
MANISTEE	19	-	-	-	-	6	-	-	-	3	5	-	4	1
Manistee	4	-	-	-	-	1	-	-	-	-	2	-	1	-
Balance of County	15	-	-	-	-	5	-	-	-	3	3	-	3	1
MARQUETTE	680	-	139	-	-	4	1	-	-	12	20	10	102	392
Ishpeming	10	-	-	-	-	-	-	-	-	-	3	3	2	2
Marquette	157	-	23	-	-	-	-	-	-	-	13	4	97	20
Negaunee	3	-	-	-	-	-	-	-	-	-	2	1	-	-
Balance of County	510	-	116	-	-	4	1	-	-	12	2	2	3	370
MASON	44	-	-	-	-	3	-	-	-	3	1	2	8	27
Ludington	8	-	-	-	-	-	-	-	-	-	1	1	6	-
Balance of County	36	-	-	-	-	3	-	-	-	3	-	1	2	27
MECOSTA	492	-	15	-	-	9	-	-	-	3	3	3	42	417
Big Rapids	423	-	7	-	-	4	-	-	-	-	2	3	33	374
Balance of County	69	-	8	-	-	5	-	-	-	3	1	-	9	43
MENOMINEE	796	-	4	-	-	1	1	1	-	3	6	1	2	777
Menominee	589	-	4	-	-	1	-	1	-	-	4	-	2	577
Balance of County	207	-	-	-	-	-	1	-	-	3	2	1	-	200
MIDLAND	1,483	-	66	-	-	6	-	-	-	2	6	4	25	1,374
Midland	886	-	34	-	-	1	-	-	-	-	6	1	25	819
Balance of County	597	-	32	-	-	5	-	-	-	2	-	3	-	555
MISSAUKEE	3	-	-	-	-	-	-	-	-	-	-	1	1	1
MONROE	2,050	-	102	-	5	58	-	3	-	35	20	14	53	1,760
Milan Pt.	4	-	1	-	-	1	-	-	-	-	-	-	1	1
Monroe	550	-	28	-	1	5	-	1	-	-	15	9	38	453
Balance of County	1,496	-	73	-	4	52	-	2	-	35	5	5	14	1,306
MONTCALM	156	-	-	-	3	18	1	-	-	6	3	5	61	59
Greenville	36	-	-	-	-	2	-	-	-	-	-	2	32	-
Balance of County	120	-	-	-	3	16	1	-	-	6	3	3	29	59
MONTHORENCY	78	-	1	-	-	-	2	-	-	-	2	-	-	73
MUSKEGON	1,295	-	14	-	-	44	14	1	-	26	46	33	478	639
Muskegon	805	-	5	-	-	24	8	1	-	-	28	28	386	325
Muskegon Heights	121	-	2	-	-	5	2	-	-	-	11	4	61	36
North Muskegon	7	-	-	-	-	1	1	-	-	-	-	1	4	-
Roosevelt Park	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whitehall	6	-	-	-	-	-	-	-	-	-	1	-	5	-
Balance of County	356	-	7	-	-	14	3	-	-	26	6	-	22	278
NEWAYGO	53	-	-	-	-	9	-	-	-	2	4	4	34	-
Fremont	5	-	-	-	-	-	-	-	-	-	-	-	5	-
Balance of County	48	-	-	-	-	9	-	-	-	2	4	4	29	-

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
OAKLAND	10,080	-	346	-	11	190	20	1	-	54	204	170	1,087	7,997
Berkley	384	-	18	-	-	5	-	-	-	-	5	2	12	342
Beverly Hills	24	-	-	-	-	1	-	-	-	-	-	-	-	23
Birmingham	467	-	56	-	-	7	-	-	-	-	9	7	17	371
Clawson	144	-	5	-	-	1	-	-	-	-	5	-	11	122
Farmington	508	-	26	-	-	11	1	-	-	-	10	7	7	446
Ferndale	229	-	23	-	-	2	2	-	-	-	12	15	18	157
Hazel Park	106	-	2	-	-	7	-	-	-	-	10	1	27	59
Holly	36	-	-	-	-	-	-	-	-	-	1	1	10	24
Huntington Woods	34	-	2	-	-	2	-	-	-	-	4	-	1	25
Keego Harbor	19	-	-	-	-	1	-	-	-	-	-	-	1	17
Lake Orion	128	-	1	-	-	3	-	-	-	-	2	1	11	110
Lathrup Village	13	-	-	-	-	-	-	-	-	-	1	-	1	11
Madison Heights	378	-	3	-	-	7	-	-	-	-	7	6	23	332
Milford	114	-	-	-	-	2	-	-	-	-	4	-	13	95
Northville Pt.	6	-	1	-	-	1	-	-	-	-	-	-	-	4
Novi	46	-	5	-	-	-	-	-	-	-	-	-	2	39
Oak Park	362	-	10	-	-	8	-	-	-	-	4	3	12	325
Pleasant Ridge	34	-	1	-	-	-	-	-	-	-	-	-	1	32
Pontiac	1,940	-	35	3	40	13	-	-	-	-	48	71	727	1,003
Rochester	144	-	4	-	6	-	-	-	-	-	5	6	11	112
Royal Oak	672	-	32	-	13	-	-	-	-	-	22	17	34	554
Southfield	648	-	29	-	12	-	1	-	-	-	11	8	18	569
Troy	229	-	8	-	4	-	-	-	-	-	1	2	11	203
Walled Lake	387	-	17	-	6	-	-	-	-	-	3	1	21	339
Balance of County	3,028	-	68	-	8	51	4	-	-	54	40	22	98	2,683
OCEANA	31	-	2	-	-	10	-	-	-	2	3	2	12	-
OGEAW	77	-	2	-	-	65	-	-	-	-	1	3	3	3
ONTONAGON	53	-	-	-	-	-	1	-	-	2	-	2	3	45
OSCEOLA	13	-	-	-	-	-	-	-	-	4	-	-	6	3
OSCODA	3	-	-	-	-	-	-	-	1	-	-	2	-	-
OTSEGO	8	-	-	-	-	-	-	-	-	-	3	2	2	1
Gaylord	5	-	-	-	-	-	-	-	-	-	3	-	1	1
Balance of County	3	-	-	-	-	-	-	-	-	-	-	2	1	-
OTTAWA	1,158	-	121	-	13	41	6	2	-	10	10	7	134	814
Grand Haven	145	-	1	-	-	4	-	-	-	-	2	2	28	108
Holland Pt.	104	-	-	-	2	14	-	-	-	-	1	2	52	33
Hudsonville	12	-	-	-	-	2	-	-	-	-	-	-	10	-
Zeeland	10	-	-	-	-	-	-	-	-	-	2	1	7	-
Balance of County	887	-	120	-	11	21	6	2	-	10	5	2	37	673
PRESQUE ISLE	53	-	8	-	-	2	2	-	-	6	4	-	2	29
Rogers City	6	-	-	-	-	-	-	-	-	-	-	-	2	4
Balance of County	47	-	8	-	-	2	2	-	-	6	4	-	-	25
ROSCOMMON	36	-	-	-	-	1	-	-	-	2	2	1	3	27
SAGINAW	3,328	-	110	-	6	21	15	4	-	16	48	66	390	2,652
Chesaning	2	-	-	-	-	-	-	-	-	-	1	-	1	-
Saginaw	1,861	-	17	-	5	11	-	1	-	-	39	58	364	1,366
Balance of County	1,465	-	93	-	1	10	15	3	-	16	8	8	25	1,286
ST. CLAIR	500	-	9	-	4	15	2	-	-	9	26	21	205	209
Algonac	16	-	2	-	-	-	-	-	-	-	-	1	1	12
Marine City	6	-	-	-	-	1	-	-	-	-	1	1	-	3
Marysville	6	-	-	-	-	-	-	-	-	-	1	-	2	3
New Baltimore Pt.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Huron	343	-	4	-	3	8	-	-	-	-	15	14	181	118
St. Clair	22	-	3	-	-	4	-	-	-	-	2	-	6	7
Balance of County	107	-	-	-	1	2	2	-	-	9	7	5	15	66
ST. JOSEPH	89	-	-	-	-	-	-	-	-	5	4	22	45	13
Sturgis	29	-	-	-	-	-	-	-	-	-	-	8	20	1
Three Rivers	35	-	-	-	-	-	-	-	-	-	1	12	10	12
Balance of County	25	-	-	-	-	-	-	-	-	5	3	2	15	-
SANILAC	25	-	-	-	-	9	1	-	-	-	1	3	5	6
SCHOOLCRAFT	30	-	-	-	-	-	-	-	-	1	-	-	7	22
Manistique	3	-	-	-	-	-	-	-	-	-	-	-	3	-
Balance of County	27	-	-	-	-	-	-	-	-	1	-	-	4	22
SHIawassee	284	-	18	-	-	1	-	-	-	6	9	12	42	196
Corunna	3	-	-	-	-	-	-	-	-	-	-	1	1	1
Durand	10	-	-	-	-	-	-	-	-	-	2	2	6	-
Owosso	198	-	9	-	-	-	-	-	-	-	6	6	18	159
Balance of County	73	-	9	-	-	1	-	-	-	6	1	3	17	36
TUSCOLA	471	-	7	-	-	53	4	-	-	11	5	11	26	354
Caro	37	-	-	-	-	13	-	-	-	-	3	4	10	7
Vassar	11	-	-	-	-	2	-	-	-	-	1	2	5	1
Balance of County	423	-	7	-	-	38	4	-	-	11	1	5	11	346

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
VAN BUREN	908	-	23	-	2	21	-	-	-	5	24	27	81	725
Paw Paw	129	-	-	-	-	2	-	-	-	-	4	-	3	120
South Haven	280	-	7	-	1	1	-	-	-	-	3	-	27	241
Balance of County	499	-	16	-	1	18	-	-	-	5	17	27	51	364
WASHTENAW	3,085	-	754	-	11	68	17	2	-	22	47	75	358	1,731
Ann Arbor	2,068	-	639	-	-	12	17	1	-	-	16	34	153	1,196
Chelsea	20	-	-	-	-	4	-	-	-	-	1	-	7	8
Milan Pt.	11	-	-	-	-	-	-	-	-	-	1	6	4	-
Ypsilanti	306	-	5	-	6	5	-	1	-	-	24	26	182	57
Balance of County	680	-	110	-	5	47	-	-	-	22	5	9	12	470
WAYNE	38,212	-	1,255	1	239	747	172	47	-	214	1,507	3,782	8,979	21,269
Allen Park	403	-	8	-	2	4	-	1	-	-	8	2	10	368
Dearborn	1,068	-	55	-	-	25	7	2	-	9	106	45	34	785
Detroit	26,169	-	535	1	209	527	137	31	-	120	1,123	3,449	8,356	11,681
Ecorse	137	-	6	-	-	3	-	-	-	-	16	36	19	57
Flat Rock	22	-	1	-	-	-	-	-	-	-	3	-	-	16
Garden City	486	-	9	-	-	12	-	-	-	-	8	2	4	451
Grosse Pointe	188	-	-	-	-	1	-	-	-	-	2	4	3	178
Grosse Pointe Farms	15	-	-	-	-	3	-	-	-	-	2	-	-	10
Grosse Pointe Park	20	-	1	-	-	3	-	-	-	-	3	-	-	13
Grosse Pte. Woods	8	-	-	-	-	4	-	-	-	-	1	-	-	3
Hamtramck	176	-	1	-	2	2	1	-	-	3	12	7	20	128
Harper Woods	19	-	1	-	-	2	-	-	-	-	7	1	4	4
Highland Park	766	-	6	-	-	12	6	-	-	4	17	32	135	554
Inkster	602	-	21	-	10	12	5	-	-	-	19	47	154	334
Lincoln Park	247	-	4	-	-	7	1	1	-	-	16	9	24	185
Livonia	1,051	-	43	-	2	12	5	1	-	-	12	14	18	944
Melvindale	68	-	1	-	-	6	-	-	-	-	6	7	7	41
Northville Pt.	101	-	18	-	-	-	-	-	-	-	9	7	5	62
Plymouth	480	-	348	-	-	1	-	-	-	-	5	3	7	116
River Rouge	319	-	8	-	1	3	3	1	-	-	24	33	24	222
Riverview	168	-	4	-	-	1	-	-	-	-	3	2	-	158
Southgate	261	-	4	-	-	3	1	2	-	-	12	3	6	230
Trenton	241	-	6	-	-	2	-	-	-	-	3	-	4	226
Wayne	176	-	15	-	2	7	-	-	-	-	9	19	36	88
Wyandotte	722	-	22	-	-	5	1	1	-	2	13	12	11	655
Balance of County	4,299	-	138	-	11	89	5	6	-	76	68	48	98	3,760
WEXFORD	30	-	14	-	-	1	-	-	-	1	1	1	-	12
Cadillac	11	-	6	-	-	1	-	-	-	-	-	1	-	3
Balance of County	19	-	8	-	-	-	-	-	-	1	1	-	-	9
State Homes	211	-	24	-	1	26	-	1	-	-	-	-	-	159

\* One hundred thirteen of these were serum hepatitis.

\*\* Includes:

Bites, animal	27,187	Impetigo	796	Rabies in animals	17
Botulism	2	Infectious mononucleosis	451	Ringworm	464
Chickenpox	11,335	Influenza	4,142	Rubella	1,953
Conjunctivitis, kerato	1	Malaria	50	Salmonella infections	614
Diarrhea of new born (under 28 days)	12	Meningitis, aseptic	265	Scabies	49
Dysentery, amebic	11	Meningitis, influenzal	64	Staphylococcal infection (neonatal or postpartum)	3
Dysentery, bacillary	346	Meningitis, other	155	Tetanus	5
Encephalitis, infectious	114	Mumps	14,655	Trichinosis	3
Erysipelas	10	Pediculosis	114	Tularemia	1
Food poisonings	11	Pink eye	271	Undulant fever	1
		Psittacosis	6		

TABLE 6 - ACCIDENTAL DEATHS BY CAUSE AND COUNTY OF RESIDENCE  
MICHIGAN, 1968(By place of residence. Cause of death classified according to Eighth Revision of International List, 1968, Extended Abbreviated 282 Causes.  
Rates per 100,000 population.)

COUNTY	TOTAL		Other transport accidents AE243 AE251-AE253	Motor vehicle accidents AE244- AE250	Accidental poisoning AE254- AE256	Accidental falls AE257- AE259	Accidents caused by fire and flames AE260	Accidental drowning and submersion AE261	Accidents caused by firearm missile AE263	Accidents mainly industrial type AE264- AE268	All other AE269 AE270 & AE262 accidental causes
	Number	Rate									
STATE	4,603	52.7	160	2,466	135	737	298	199	78	175	355
Alcona	8	140.4	-	6	-	-	-	-	1	1	-
Alger	2	25.0	-	2	-	-	-	-	-	-	-
Allegan	29	48.4	-	15	1	5	1	3	1	1	2
Alpena	15	50.2	1	6	-	-	-	3	2	2	1
Antrim	10	93.5	-	3	-	1	5	-	-	1	-
Arenac	19	179.2	1	12	2	2	-	-	-	-	2
Baraga	4	50.0	-	3	-	1	-	-	-	-	-
Barry	23	75.7	-	13	-	4	3	2	-	-	1
Bay	56	48.4	3	36	1	10	2	-	-	1	3
Benzie	7	85.4	-	2	-	3	-	-	1	-	1
Berrien	113	68.7	5	63	9	12	5	5	3	3	8
Branch	24	69.6	-	12	-	8	-	1	-	2	1
Calhoun	85	60.2	3	50	3	12	2	3	3	5	4
Cass	25	68.1	-	15	1	2	2	1	1	1	2
Charlevoix	14	82.4	3	6	1	-	2	2	-	-	-
Cheboygan	11	74.3	-	6	-	1	-	2	-	1	1
Chippewa	21	64.4	-	12	-	3	2	2	-	1	1
Clare	16	117.6	-	5	1	4	3	-	-	1	2
Clinton	26	59.4	-	20	-	-	-	1	-	2	3
Crawford	2	33.9	-	2	-	-	-	-	-	-	-
Delta	24	68.4	-	10	-	6	-	-	2	2	4
Dickinson	12	50.0	-	6	2	2	-	-	-	1	1
Eaton	37	60.4	-	32	-	2	-	-	-	1	2
Emmet	19	107.3	1	10	1	2	5	-	-	-	-
Genesee	229	51.6	6	138	2	19	11	10	3	7	33
Gladwin	7	64.2	-	4	-	2	1	-	-	-	-
Gogebic	18	88.2	-	8	-	1	1	1	-	2	5
Gd. Traverse	26	62.4	3	17	-	3	-	1	-	1	1
Gratiot	24	60.9	1	16	-	2	2	-	-	-	3
Hillsdale	22	62.5	-	12	-	4	-	1	1	2	2
Houghton	29	87.6	5	11	2	5	-	1	-	2	3
Huron	23	73.6	-	18	-	3	-	1	1	-	-
Ingham	128	49.8	2	68	3	23	10	8	3	3	8
Ionia	25	54.6	-	16	-	6	-	1	-	1	1
Iosco	9	44.1	-	4	-	-	1	1	-	-	3
Iron	9	65.2	-	6	-	1	1	-	-	1	-
Isabella	18	50.1	2	8	1	-	2	-	-	1	4
Jackson	75	53.0	2	38	1	17	3	2	-	7	5
Kalamazoo	89	47.1	2	50	1	16	6	5	-	4	5
Kalkaska	2	38.5	-	1	-	1	-	-	-	-	-
Kent	197	48.2	7	120	-	23	10	9	-	4	24
Keweenaw	2	95.2	-	1	-	-	-	-	-	-	-
Lake	5	113.6	1	2	-	-	1	1	-	-	-
Lapeer	33	66.0	1	19	-	6	3	1	-	1	2
Leelanau	5	54.3	-	3	-	-	1	-	-	-	1
Lenawee	55	67.6	-	42	-	3	1	1	1	4	3
Livingston	38	78.7	-	24	1	4	2	1	2	3	1
Luce	4	54.1	1	2	-	-	1	-	-	-	-
Mackinac	10	103.1	1	5	-	1	1	-	-	1	1
Macomb	215	35.0	7	115	12	28	16	12	3	3	19
Manistee	7	35.7	-	5	-	-	-	1	-	1	-
Marquette	37	60.6	1	21	-	3	4	3	1	2	2
Mason	15	68.5	1	8	2	2	-	-	1	1	-
Mecosta	14	56.7	-	10	-	2	1	-	-	-	1
Menominee	13	56.5	-	7	-	3	-	2	-	-	1
Midland	36	59.7	5	25	1	-	4	1	-	-	-
Missaukee	10	161.3	-	2	-	1	7	-	-	-	-
Monroe	74	65.8	3	43	2	8	4	5	1	5	3
Montcalm	40	95.7	-	26	2	3	3	1	1	3	1
Montmorency	1	23.8	-	1	-	-	-	-	-	-	-
Muskegon	80	51.5	-	50	1	17	4	2	-	5	1
Newaygo	23	90.2	1	12	2	2	-	-	2	1	1
Oakland	355	40.3	17	188	13	57	16	16	6	15	27
Oceana	10	63.3	-	6	-	-	2	1	-	-	1
Ogemaw	7	72.9	1	4	-	-	-	1	-	-	-
Ontonagon	5	47.2	-	2	-	-	-	1	2	-	-
Osceola	14	88.1	-	7	1	3	1	-	-	1	1
Oscoda	3	75.0	-	2	-	-	-	-	1	-	-
Otsego	3	28.0	-	1	-	1	-	-	-	1	-
Ottawa	49	42.5	1	36	-	6	1	3	-	-	2
Presque Isle	13	104.0	4	8	1	-	-	-	-	-	-
Roscommon	9	108.4	-	5	-	1	1	1	-	-	1
Saginaw	138	63.1	7	84	1	17	5	11	-	4	9
St. Clair	107	92.2	3	62	3	10	9	9	1	1	9
St. Joseph	57	125.0	-	33	-	9	10	3	1	1	-
Sanilac	27	80.6	1	13	-	3	1	2	-	5	2
Schoolcraft	5	65.8	1	3	-	-	-	-	1	-	-
Shiawassee	31	50.8	-	19	1	2	3	3	-	2	1
Tuscola	41	82.5	3	31	1	-	2	-	-	2	2
Van Buren	54	97.5	5	33	2	6	1	4	-	1	2
Washtenaw	95	42.7	2	61	-	9	3	4	-	6	10
Wayne	1,320	49.4	46	559	56	318	106	42	34	44	115
Wexford	11	56.4	-	4	1	3	1	1	-	1	-





TABLE 7A - DEATHS BY SELECTED LIST OF 282 CAUSES, SEX, COLOR, AND AGE (Continued)

CAUSE OF DEATH	INT. LIST NO.	TOTAL		SEX		NON-WHITE	A G E							D E A T H							90 & OVER	NOT STA-TED										
		NUMBER	RATE	MALE	FEMALE		I N F A N T							50	55	60	65	70	75	80			85									
							1 DAY	1 WEEK	28 DAYS	1 YEAR	5	10	15											20	25	30	35	40	45	49	54	59
MALIGNANT NEOPLASMS A94-A98 CONT. OTHER NEURALGIC LESIONS MYELOMA SARCOMA CARCINOMA & RETICULUM CELL SARCOMA	A 95 A 96 A 97 A 98	765 280 144 184	8.8 3.2 1.7 2.1	436 155 87 99	329 125 57 85	60	-	-	-	-	4	6	8	16	16	14	19	14	14	19	14	21	48	62	93	96	109	97	77	51	11	2
MULTIPLE MYELOMA ALL OTHER NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUES	A 99	157	1.8	58	99	23	-	-	-	3	5	3	1	4	2	6	7	10	9	11	14	16	16	19	11	14	16	19	11	9	8	-
BENIGN NEOPLASMS & NEPLASMS OF ORGANS NEOPLASMS OF FEMALE GENITAL ORGANS NEOPLASMS OF MALE GENITAL ORGANS	A 100 A 101 A 102	13 52 39	0.1 0.6 0.4	- 16 22	13 36 17	4 10 4	-	-	-	1	1	1	1	2	1	1	2	3	4	2	7	6	7	8	2	3	8	4	2	1	-	-
BENIGN NEOPLASMS OF EYE, BRAIN, AND OTHER PARTS OF NERVOUS SYSTEM OTHER BENIGN NEOPLASMS NEPLASMS OF UNSPECIFIED NATURE OF FEMALE GENITAL ORGANS	A 103 A 104	30 21	0.3 0.2	11 9	19 12	3 2	-	-	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	6	2	2	6	2	1	-	-
NEPLASMS OF UNSPECIFIED NATURE OF EYE, BRAIN, & OTHER PARTS OF NERVOUS SYSTEM OTHER NEOPLASMS OF UNSPECIFIED NATURE	A 105 A 106 A 107 A 108 A 109 A 110 A 111 A 112 A 113 A 114 A 115	2 12 17 2 9 4 17 - 86 26 171	0.0 0.1 0.2 - 0.1 0.0 - 0 1.0 0.3 2.0	- 2 10 - 952 3 6 2 - 50 17 90	2 10 17 - 1,346 2 11 - 36 9 17 81	- 2 2 2,298 9 4 17 - 14 26 90	-	-	-	1	2	2	10	15	21	23	41	74	113	113	175	235	324	359	379	307	171	46	-	-		
III ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	A 116 A 117 A 118 A 119 A 120 A 121	151 33 40 46 32 36 51	1.7 0.4 0.5 0.4 0.4 0.4 0.6	68 12 21 24 11 17 33	83 21 19 22 21 19 18	40 2 28 4 6 3 7	-	-	2	1	3	5	10	3	5	10	3	4	4	3	3	3	11	10	17	10	27	19	10	5	-	
IV DISEASES OF THE BLOOD & BLOOD-FORMING ORGANS	A 122 A 123 A 124 A 125 A 126 A 127	16 28 134 134	0.2 0.3 1.1 1.3	7 28 104 30	9 2 46 46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	1	2	9	17	21	14	8	5	-	-
V MENTAL DISORDERS	A 128 A 129 A 130 A 131 A 132 A 133 A 134 A 135	57 41 90 115 19 91 1.0 52	0.7 0.5 1.0 1.3 0.2 1.0 0.0	35 29 34 61 10 52	22 12 56 54 9 39	14 7 11 2 5 3 1	-	2	8	15	14	2	1	5	6	5	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	-
VI DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	A 136 A 137 A 138 A 139 A 140 A 141 A 142	57 41 90 115 19 91 1.0 52	0.7 0.5 1.0 1.3 0.2 1.0 0.0	35 29 34 61 10 52	22 12 56 54 9 39	14 7 11 2 5 3 1	-	2	8	15	14	2	1	5	6	5	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	-









TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, COLOR, AND AGE  
MICHIGAN, 1968

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Eighth Revision of International List, 1968. Rates per 100,000 population.)

Table with columns: CAUSE OF DEATH, INT. LIST NO., TOTAL, SEX, NON-WHITE, INFEANT UNDER 28 DAYS, AGE (1-24), DEATH (45-79), and NOT STA. OVER 90. Rows include categories like INFECTION AND PARASITIC DISEASES, INTestinal Infections, Cholera, Eltor, Unspecified, Typhoid, Paratyphoid, etc.

















































































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

CAUSE OF DEATH	INT. LIST NO.	TOTAL NUMBER RATE	SEX		NON-WHITE	AGE							DEATH							90 & OVER	NOT STA-TED								
			MALE	FEMALE		1 DAY	1 WEEK	28 DAYS	1 YEAR	1	5	10	15	20	25	30	35	40	45			50	55	60	65	70	75	80	85
SYMPTOMS REFERABLE TO SYSTEMS OR ORGANS...780-789 CONTINUED	781	1 0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
																												OTHER SYMPTOMS REFERABLE TO NERVOUS SYSTEM AND SPECIAL SENSES	
																												DISTURBANCE OF VISION EXCEPT DEFECTIVE SIGHT	
																												PHOTOPHOBIA	
																												DISTURBANCE OF HEARING EXCEPT DEAFNESS	
																												DISTURBANCE OF CRANIAL NERVES EXCEPT OPTIC, OCULOMOTOR, AND AUDITORY	
																												DISTURBANCE OF SPEECH	
																												OTHER DISTURBANCE OF SENSATION	
																												ENCEPHALOPATHY	
																												SYMPTOMS REFERABLE TO CARDIOVASCULAR AND LYMPHATIC SYSTEM	
782	30 0.3	18	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																													PALPITATION
																													TACHYCARDIA
																													PALLOR AND CYANOSIS
																													ACUTE HEART FAILURE, UNDEFINED SYMPTOM OR COLLAPSE
																													EDENIA AND DROPSY
																													ENLARGEMENT OF LYMPH NODE
																													SPLENEGALY
																													SHOCK WITHOUT MENTION OF TRAUMA
																													SYMPTOMS REFERABLE TO RESPIRATORY SYSTEM
783	3 0.0	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																													EPISTAXIS
																													HEMOPHTYSIS
																													DYSPNEA
																													COUGES OF SPUTUM
																													CHANGE IN VOICE
																													STRIDOR
																													PAIN IN CHEST
																													SYMPTOMS REFERABLE TO UPPER GASTROINTESTINAL TRACT
																													784
ANOREXIA																													
NAUSEA AND VOMITING																													
PYLOROSPASM																													
EMETUS																													
DYSPEPSIA																													
HEMATEMESIS																													
HICCOUGH																													
ERUCTION																													
SYMPTOMS REFERABLE TO ABDOMEN AND LOWER GASTROINTESTINAL TRACT																													
785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																													ABDOMINAL SWELLING NOT REFERABLE TO ANY PARTICULAR ORGAN
																													HEPATOMEGALY
																													SPLENOMEGALY
																													ASCITES
																													FLATULENCE
																													ABDOMINAL PAIN
																													INCONTINENCE OF FECES
																													PELENA NOT OF NEWBORN
																													VISIBLE PERISTALSIS
SYMPTOMS REFERABLE TO GENITOURINARY SYSTEM																													
786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																													REFERABLE TO URINARY SYSTEM
																													RETENTION OF URINE
																													INCONTINENCE OF URINE
																													FREQUENCY OF MICTURITION
																													POLYURIA
																													CLIGURIA, ANURIA NOT OF NEWBORN
																													PAIN REFERABLE TO GENITAL ORGANS, INCLUDING DISPARURENIA
																													SYMPTOMS REFERABLE TO LIMBS AND JOINTS
																													787
TRANSIENT PARALYSIS OF LIMB, CAUSE UNKNOWN																													
PAIN IN LIMB																													
SWELLING OF LIMB																													
PAIN IN JOINT																													
SWELLING OF JOINT																													
DIFFICULTY IN WALKING																													
ABNORMALITY OF GAIT																													

















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

CAUSE OF DEATH	INT. LIST NO.	TOTAL		SEX		NON-WHITE	AGE							DEATH							NOT STA-TED				
		NUMBER RATE		MALE	FEMALE		A G E							D E A T H											
		NUMBER	RATE				1	5	10	15	20	25	30	35	40	45	50	55	60	65		70	75	80	85
ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES	E868	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY GASES AND VAPORS...E870-E877	E869	14	0.2	4	10	-	-	-	-	1	1	2	3	3	1	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY GAS	E870	78	0.9	58	20	4	-	1	3	13	14	8	3	5	8	4	5	5	2	1	1	1	1	1	-
ACCIDENTAL POISONING BY LIQUEFIED PETROLEUM GAS DISTRIBUTED IN MOBILE CONTAINERS	E871	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY MOTOR VEHICLE EXHAUST GAS	E872	3	0.0	2	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY CARBON MONOXIDE FROM INCOMPLETE COMBUSTION OF DOMESTIC FUELS	E873	64	0.7	46	18	2	-	-	1	3	10	12	7	3	5	7	4	5	2	1	1	1	1	1	-
ACCIDENTAL POISONING BY OTHER CARBON MONOXIDE	E874	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY OTHER GASES AND VAPORS	E875	2	0.0	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY UNSPECIFIED GASES AND VAPORS	E876	5	0.1	5	-	-	-	-	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING BY UNSPECIFIED GASES AND VAPORS	E877	757	8.5	401	356	72	-	5	12	11	2	6	5	7	6	13	21	32	42	25	44	49	75	104	111
ACCIDENTAL FALLS...E880-E887	E880	85	1.0	57	28	12	-	2	-	-	1	1	-	-	1	6	8	10	7	8	12	6	10	9	5
FALL ON OR FROM LADDERS OR SCAFFOLDING	E881	24	0.3	23	1	4	-	-	1	1	-	1	-	-	4	1	1	1	1	1	4	1	1	1	1
FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	E882	17	0.2	16	1	2	-	-	-	3	2	1	-	-	1	1	1	2	2	2	1	2	1	1	1
FALL INTO HOLE OR OTHER OPENING IN SURFACE	E883	5	0.1	5	-	2	-	-	-	-	1	1	-	-	-	2	-	-	-	-	-	-	-	-	-
OTHER FALL FROM ONE LEVEL TO ANOTHER	E884	61	0.7	38	23	12	-	-	4	6	1	1	-	3	2	4	1	4	6	1	1	1	1	1	1
FALL ON SAME LEVEL FROM SLIPPING, TRIPPING OR FALLING FROM COLLISION, FALLING ON SAME LEVEL FROM COLLISION, PUSHING OR SHOVING BY OR WITH OTHER PERSON	E885	22	0.3	9	13	1	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1
OTHER AND UNSPECIFIED FALL ACCIDENTS CAUSED BY FIRES AND FLAMES...E890-E899	E886	523	6.0	253	270	39	-	-	1	3	4	1	1	1	3	6	9	16	22	12	28	34	52	85	91
ACCIDENTS CAUSED BY CONFLAGRATION IN PRIVATE DWELLING BY CONFLAGRATION IN OTHER BUILDING OR STRUCTURE	E887	298	3.4	178	120	73	-	-	4	41	37	13	4	4	10	12	12	10	12	17	29	15	16	13	17
ACCIDENT CAUSED BY CONFLAGRATION NOT IN BUILDING OR STRUCTURE	E888	201	2.3	115	86	59	-	-	4	33	34	11	2	4	6	8	8	7	12	14	9	10	7	10	11
ACCIDENT CAUSED BY IGNITION OF CLOTHING	E889	7	0.1	7	-	4	-	-	-	-	-	-	-	3	-	-	1	-	1	-	-	-	-	-	-
ACCIDENT CAUSED BY IGNITION OF HIGHLY INFLAMMABLE MATERIAL	E890	4	0.0	4	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENT CAUSED BY CONTROLLED FIRE IN PRIVATE DWELLING OR CONTROLLED FIRE IN OTHER BUILDING OR STRUCTURE	E891	26	0.3	10	16	3	-	-	-	2	1	1	-	-	-	-	-	-	1	2	4	-	3	1	4
ACCIDENT CAUSED BY CONTROLLED FIRE NOT IN BUILDING OR STRUCTURE	E892	18	0.2	16	2	2	-	-	-	2	-	1	2	-	-	-	-	1	1	3	2	1	-	-	1
ACCIDENT CAUSED BY OTHER SPECIFIED FIRES OR FLAMES	E893	4	0.0	2	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENT CAUSED BY UNSPECIFIED FIRE	E894	7	0.1	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS...E900-E909	E895	17	0.2	12	5	1	-	-	1	-	-	-	-	1	1	1	1	2	1	3	1	1	2	1	1
ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS...E900-E909	E896	14	0.2	5	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTS CAUSED BY EXCESSIVE COLD	E900	50	0.6	31	19	15	-	-	1	2	-	2	3	2	-	1	-	5	3	6	2	2	3	6	2
ACCIDENTS CAUSED BY HIGH AND LOW AIR PRESSURE	E901	20	0.2	12	8	9	-	-	1	2	-	1	-	2	-	1	-	4	-	4	1	1	1	3	2
EFFECTS OF TRAVEL AND MOTION	E902	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUNGER, THIRST, EXPOSURE AND NEGLECT BITES AND STINGS OF VENOMOUS ANIMALS AND INSECTS	E903	10	0.1	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	1	1	1
OTHER ACCIDENTS CAUSED BY ANIMALS AND INSECTS	E904	3	0.0	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIGHTNING	E905	4	0.0	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTS CAUSED BY OTHER NATURAL AND ENVIRONMENTAL FACTORS	E906	3	0.0	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENT DUE TO OTHER NATURAL AND ENVIRONMENTAL FACTORS	E907	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER ACCIDENTS...E910-E929	E908	697	8.0	557	140	111	-	1	3	11	76	64	47	56	71	46	44	17	25	38	46	37	27	35	21
ACCIDENTAL DROWNING AND SUBMERSION IN RECREATIONAL ACTIVITIES	E909	199	2.3	171	28	30	-	1	1	1	4	32	26	21	33	20	8	6	5	7	11	6	5	8	2
OTHER AND UNSPECIFIED	E910	69	0.8	63	6	14	-	1	1	1	4	31	20	14	11	5	2	4	5	6	9	4	3	6	1
	E911	130	1.5	108	22	16	-	1	1	1	4	31	20	14	11	5	2	4	5	6	9	4	3	6	1









TABLE 7C - LEADING CAUSES OF DEATH AND COMPARABILITY  
STATE OF MICHIGAN, 1967, 1968

CAUSE OF DEATH	*Provisional Comparability Ratio	1967 (Seventh Rev.)			1968 (Eighth Rev.)			Adjusted 1967 Rate		
		Rank	No.	%	Rate	Rank	No.		%	Rate
Diseases of Heart	1.000	1	28,757	38.2	333.8	1	29,680	38.6	342.1	333.8
Malignant Neoplasms	0.988	2	13,030	17.3	151.2	2	13,292	17.3	153.2	149.4
Cerebrovascular Disease	0.981	3	7,846	10.4	91.1	3	7,913	10.3	91.2	89.4
Accidents	0.926	4	4,519	6.0	52.5	4	4,603	6.0	53.1	48.6
Diabetes Mellitus	0.994	5	2,182	2.9	25.3	6	2,298	3.0	26.5	25.1
Influenza and Pneumonia	-	6	2,136	2.8	24.8	5	2,577	3.4	29.7	-
Influenza	0.960		78	0.1	0.9		236	0.3	2.7	0.9
Pneumonia**	0.994		2,058	2.7	23.9		2,341	3.1	27.0	23.8
Arteriosclerosis	0.894	7	1,730	2.3	20.1	7	1,262	1.6	14.5	18.0
Cirrhosis of Liver	1.003	8	1,240	1.6	14.4	8	1,259	1.6	14.5	14.4
Suicide	0.939	9	945	1.3	11.0	10	931	1.2	10.7	10.3
Congenital Anomalies	-	10	823	1.1	9.6	Not Among 10	-	-	-	-
Emphysema	-	Not Ranked	-	-	-	9	1,134	1.5	13.1	-
All Other Causes			12,152	16.1			11,906	15.5		
All Causes			75,360	100.0			76,855	100.0		
Population, July 1			8,615,000				8,675,000			

\*Source: Monthly vital statistics report, volume 17, number 8, October 25, 1968

\*\*Includes pneumonia of newborn

NOTE: The Seventh Revision categories of Vascular lesions affecting central nervous system, General arteriosclerosis and Congenital malformations were replaced in the Eighth Revision by categories entitled Cerebrovascular disease, Arteriosclerosis and Congenital anomalies, respectively.

REMARKS: In 1968, Diabetes mellitus ranked sixth instead of fifth. With the appearance of Emphysema as the eighth leading cause, suicide moves to tenth and Congenital anomalies is dropped.

























TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS																				
	BUCCAL CAVITY & PHARYNX					DIGESTIVE ORGANS & PERITONEUM															
	Total	A54 Of lip	A55 Of tongue	A56 Of other & unspecified parts of buccal cavity	A57 Of pharynx	Total	A58 Of esophagus	A59 Of stomach	A60 Of small intestine, including duodenum	Sub Total	A61 Cecum, appendix, & ascending colon	A62 Transverse colon, including hepatic & splenic flexures	A63 Descending colon	A64 Sigmoid colon	A65 Large intestine part unspecified	A66 Intestinal tract - part unspecified	A67 Of rectum & rectosigmoid junction	A68 Of liver & intra-hepatic bile ducts specified as primary	A69 Of gall bladder & bile ducts	A70 Of pancreas	A71 Of peritoneum, retroperitoneal tissue, digestive organs
STATE	295	2	68	76	147	3,853	257	718	29	1,395	163	55	41	271	777	88	410	97	208	674	65
ALCONA	16	-	-	-	-	5	-	1	-	4	2	-	-	-	-	-	-	-	-	-	-
ALGER	15	-	-	-	-	4	-	1	-	2	1	1	-	-	-	-	-	-	-	-	-
MUMISING	6	-	-	-	-	3	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	9	-	-	-	-	3	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-
ALLEGAN	82	1	-	-	1	23	2	2	1	8	2	2	2	2	4	-	6	1	3	3	1
ALLEGAN	5	-	-	-	-	1	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-
ANDROS PT.	2	-	-	-	-	1	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-
OTSEGO	2	-	-	-	-	1	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-
PLATINELL	8	-	-	-	-	3	-	3	-	3	3	3	-	-	-	-	-	-	-	-	-
BALANCE OF COUNTY	59	1	-	-	1	16	1	1	1	6	2	2	2	2	2	5	1	1	3	3	1
ALPENA	38	-	-	-	-	12	1	1	-	5	1	1	1	1	2	-	1	1	1	3	1
ALPENA	21	-	-	-	-	8	1	1	-	4	1	1	1	1	1	-	-	-	-	1	1
BALANCE OF COUNTY	17	-	-	-	-	4	1	1	-	1	1	1	1	1	1	-	-	-	-	1	1
ANTRIM	30	1	-	-	-	1	-	2	-	1	-	-	-	-	1	-	2	-	-	-	-
ARENAC	26	-	-	-	-	10	-	3	-	1	-	-	-	-	-	1	1	1	2	1	1
BARAGA	11	-	-	-	-	3	-	2	-	1	1	-	-	-	-	-	-	-	-	-	-
BARRY	55	-	-	-	-	11	1	1	-	5	1	1	2	2	1	1	3	1	1	1	1
MASTINGS	13	-	-	-	-	3	-	-	-	2	1	1	1	1	1	1	2	1	1	1	1
BALANCE OF COUNTY	42	-	-	-	-	8	1	1	-	3	1	1	1	1	1	1	2	1	1	1	1
BAY	180	2	-	-	-	46	4	10	1	17	2	2	2	6	5	1	7	1	1	5	1
BAY CITY	26	-	-	-	-	13	3	5	1	13	2	2	2	2	4	1	4	1	1	1	1
ESSEXVILLE	100	1	-	-	-	2	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	71	-	-	-	-	18	1	5	1	3	1	1	1	1	1	1	3	1	1	3	1
BENZIE	18	-	-	-	-	8	2	2	-	2	-	-	-	-	2	-	-	-	-	1	1
BERTIEN	275	5	-	-	-	75	2	16	-	28	4	2	-	9	11	2	13	1	5	9	1
BENTON HARBOR	47	-	-	-	-	14	-	1	-	1	1	1	1	1	1	1	3	1	3	1	1
BUCHANAN	15	-	-	-	-	1	-	-	-	2	1	1	1	1	1	1	1	1	1	1	1
NILES	40	-	-	-	-	12	-	2	-	6	2	2	2	2	1	1	2	1	2	2	1
ST. JOSEPH	20	-	-	-	-	9	1	1	-	3	1	1	1	1	1	1	2	1	1	2	1
BALANCE OF COUNTY	153	4	-	-	-	35	1	8	-	14	2	2	2	5	7	5	5	1	1	5	1
BRANCH	52	-	-	-	-	18	1	2	-	9	2	2	-	1	6	-	1	1	1	4	1
COLDWATER	72	-	-	-	-	13	1	2	-	1	1	1	-	1	6	-	1	1	1	1	1
BALANCE OF COUNTY	38	-	-	-	-	13	1	1	-	1	1	1	-	1	6	-	1	1	1	3	1
CALHOUN	229	10	-	-	-	72	5	7	-	32	2	2	2	5	14	3	8	3	3	11	3
ALBION	21	-	-	-	-	7	1	1	-	2	2	2	2	1	1	1	1	1	1	2	1
BATTLE CREEK	100	6	-	-	-	25	2	4	-	12	3	3	3	1	7	1	2	1	2	1	2
MARSHALL	7	-	-	-	-	3	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1
SPRINGFIELD	4	-	-	-	-	3	-	2	-	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	97	4	-	-	-	34	2	2	-	16	2	3	3	3	6	1	5	2	7	7	1
CASS	72	-	-	-	-	18	-	3	-	8	2	2	-	-	2	-	3	1	2	1	1
DOWAGIAC	18	-	-	-	-	6	-	3	-	2	2	2	-	-	2	-	3	1	1	2	1
BALANCE OF COUNTY	54	-	-	-	-	16	-	3	-	6	2	2	-	-	4	-	3	1	1	2	1
CHARLEVOIX	34	-	-	-	-	7	-	3	-	1	-	-	-	-	1	-	1	1	1	1	1
CHARLEVOIX	6	-	-	-	-	2	-	1	-	1	-	-	-	-	1	-	1	1	1	1	1
CHARLEVOIX	6	-	-	-	-	4	-	1	-	1	-	-	-	-	1	-	1	1	1	1	1
BALANCE OF COUNTY	20	-	-	-	-	4	-	2	-	1	-	-	-	-	1	-	1	1	1	1	1
CHEBOYGAN	31	1	-	-	-	10	1	3	-	1	1	1	1	1	1	-	1	1	1	2	1
CHEBOYGAN	14	-	-	-	-	5	-	1	-	1	1	1	1	1	1	-	1	1	1	2	1
BALANCE OF COUNTY	17	-	-	-	-	5	-	2	-	1	1	1	1	1	1	-	1	1	1	1	1





TABLE 8 — DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS					DIGESTIVE ORGANS & PERITONEUM																
	BUCCAL CAVITY & PHARYNX					OF LARGE INTESTINE, EXCEPT RECTUM																
	A50 Filarial infestations	A51 Anchylostomiasis	A52 Other helminthoses	A53 Other infective & parasitic diseases	Grand Total	Total	A58 Of esophagus	A59 Of stomach	A60 Of small intestine, including duodenum	Sub Total	A61 Cecum, appendix, & ascending colon	A62 Transverse colon, including hepatic & splenic flexures	A63 Descending colon	A64 Sigmoid colon	A65 Large intestine (including cecum)	A66 Intestinal tract, part unspecified	A67 Of rectum & sigmoid junction	A68 Of liver & intra-hepatic bile ducts specified as primary	A69 Of gall bladder & bile ducts	A70 Of pancreas	A71 Of peritoneum, retroperitoneum, & unspecified digestive organs	
MACKINAC ST. BALANCE OF COUNTY	1	1	1	1	4	8	1	1	1	3	1	1	1	1	1	1	2	1	1	1	1	1
MACOMB					157	157	10	23	1	58	1	3	1	13	39	1	25	5	10	24		2
CENTER LINE					15	15	3	2	1	7	1	1	1	1	5	1	3	1	3	1	1	1
EAST DETROIT					64	64	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
FRASER					45	45	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1
HOOVER					6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALTIMORE PT. BALTIMORE					9	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RICHMOND					7	7	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
ROHEO					11	11	1	1	1	12	1	1	1	1	1	1	1	1	1	1	1	1
ROSEVILLE					58	58	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
ST. CLAIR SHORES					108	108	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WARREN					149	149	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					126	126	1	1	1	24	1	3	4	4	12	4	5	1	2	4	1	1
MANISTEE					40	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MAISTEE					20	20	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					20	20	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
MARQUETTE					89	89	2	13	1	11	1	2	1	3	5	1	1	1	1	2	1	1
ISHPEMING					17	17	2	2	1	4	1	1	1	1	2	1	1	1	1	1	1	1
MARQUETTE					32	32	2	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1
NEGAUNEE					16	16	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					27	27	1	3	1	5	1	1	1	1	3	1	1	1	1	1	1	1
MASON					52	52	1	2	1	4	1	1	1	1	3	1	1	1	1	2	1	1
LUDINGTON					21	21	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					31	31	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
MECOSTA					90	90	1	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1
816 RAPIDS					22	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					22	22	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
MENOMINEE					39	39	1	5	1	4	1	1	1	1	3	1	2	1	1	1	1	1
MENOMINEE					17	17	1	3	1	3	1	1	1	1	3	1	2	1	1	1	1	1
BALANCE OF COUNTY					22	22	1	3	1	4	1	1	1	1	3	1	2	1	1	1	1	1
MIDLAND					52	52	1	2	1	6	1	1	1	1	5	1	2	1	1	3	2	1
MIDLAND					10	10	1	1	1	3	1	1	1	1	3	1	1	1	1	1	1	1
BALANCE OF COUNTY					23	23	1	2	1	3	1	1	1	1	3	1	1	1	1	1	1	1
MISSAUKEE					13	13	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MONROE					121	121	3	8	1	14	1	1	1	5	7	1	4	3	3	3	3	1
MILAN PT.					1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MONROE					81	81	1	6	1	6	1	1	1	3	2	1	1	1	1	1	1	1
BALANCE OF COUNTY					81	81	1	6	1	6	1	1	1	2	5	1	3	2	1	1	1	1
MONTCALM					55	55	1	2	1	6	1	1	1	1	4	1	3	1	1	1	1	1
GREENVILLE					11	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					44	44	1	2	1	6	1	1	1	1	4	1	3	1	1	1	1	1
MONTMORENCY					7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MUSKOGON					20	20	3	9	1	26	2	1	1	7	15	1	7	1	1	1	1	1
MUSKOGON					92	92	2	4	1	10	1	1	1	1	5	1	4	1	1	1	1	1
MUSKOGON HEIGHTS					33	33	1	1	1	7	1	1	1	2	3	1	1	1	1	1	1	1
NORTH MUSKOGON					2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROOSEVELT PARK					3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WHITEHALL					89	89	1	2	1	8	1	1	1	2	6	1	2	1	1	1	1	1
BALANCE OF COUNTY					89	89	1	2	1	8	1	1	1	2	6	1	2	1	1	1	1	1
NEWAYGO					40	40	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1
NEWAYGO					5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY					35	35	1	2	1	4	1	1	1	1	1	1	2	1	1	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS																			
	BUCCAL CAVITY & PHARYNX						DIGESTIVE ORGANS & PERITONEUM						Total							
	A54 Of lip	A55 Of tongue	A56 Of other & unspecified parts of buccal cavity	A57 Of pharynx	A58 Of esophagus	A59 Of stomach	A60 Of small intestine, including duodenum	Sub Total	A61 Cecum, appendix, & ascending colon	A62 Transverse colon, including hepatic & splenic flexures	A63 Descending colon	A64 Sigmoid colon		A65 Large intestine (including colon) unspecified	A66 Intestinal tract - unspecified	A67 Of rectum & rectosigmoid junction	A68 Of liver & intra-hepatic bile ducts specified as primary	A69 Of gall bladder & bile ducts	A70 Of pancreas	A71 Of peritoneum, & unspecified peritoneal tissue, digestive organs
OAKLAND	27	2	6	8	19	61	3	100	8	3	4	20	50	6	31	7	12	63	3	
BEAVERLEY	1							1												
BEVERLY HILLS	8							6												
BIRMINGHAM	57	1		1	1	4		1				1	5		1			3	1	
CLAWSON	13				4	2		1												
FARMINGTON	24				1	2		3												
FERNDALE	30				1	1		1												
HAZEL PARK	5				1	1		1												
HUNTINGTON WOODS	11				1	1		1												
KEEGO HARBOR	9				1	1		1												
LAKE ORION	9				1	1		1												
LATHRUP VILLAGE	23				1	1		1												
MADISON HEIGHTS	3				1	1		1												
MILFORD	5				1	1		1												
NORTHVILLE PT.	3				1	1		1												
OAK PARK	67				1	1		1												
PLEASANT RIDGE	6				1	1		1												
PONTIAC	142				1	1		1												
ROCHESTER	17				1	1		1												
ROYAL OAK	185				2	2		2												
SOUTHFIELD	94				2	2		2												
TROY	41				1	1		1												
WALLED LAKE	11				3	3		3												
BALANCE OF COUNTY	324	6	1	3	4	13		96	2	1	12	16	2	13	3	3	16	1		
OCEANA	21				9	3		4	1	1			3					1		
OGEMAH	30				6	2		1	1											
ONTONAGOH	13				3	2		1												
OSCEOLA	21				5			2												
OSCODA	11				1			1												
OTSEGO	22				8	1		4	1											
GAYLORD	17				1	1		1												
BALANCE OF COUNTY	15				7	1		4	1											
OTTAWA	160				3	1		17	4	2		3	8		2	1	3	5	2	
GRAND HAVEN	29				1	3		2	1			1	1		1	1	1	1	1	
HOLLAND PT.	36				1	4		6	3	2		2	1		1	1	1	1	1	
HUDSONVILLE	14				1	4		3	2			1	1		1	1	1	1	1	
ZEELAND	11				1	2		7	1				6		1	2	4	4	1	
BALANCE OF COUNTY	81	1			1	2		7	1				6		1	2	4	4	1	
PRESQUE ISLE	23				7	1		3	1				1		1	1	2	1	1	
ROGERS CITY	10				3	1		2	1				1		1	1	1	1	1	
BALANCE OF COUNTY	13				4	1		2	1				1		1	1	1	1	1	
ROSCOMMON	21				4	1		3					2							
SAGINAW	273				8	11		15	3		1	4	7		8	4	16	2		
CHESEBROUGH	21				2	5		6	1				3		4	2	8	2		
SAGINAW	144				1	6		11	3		1	2	4		4	2	8	2		
BALANCE OF COUNTY	121	2			1	5		9	3		1	2	3		3	1	8	2		
ST. CLAIR	178	3			1	13		18	3		1	3	8		7	2	13	1		
MARINE CITY	12				2	1		1	1				1		1	1	1	1		
MARYSVILLE	9				1	1		3	1				1		1	1	1	1		
NEW BALTIMORE PT.	7				2	1		1	1				1		1	1	1	1		
FORT HUDON	1				1	1		1	1				1		1	1	1	1		
CLIFTON	71				1	4		6	1				1		1	1	1	1		
BALANCE OF COUNTY	15				2	4		4	4				4		4	4	4	4		
BALANCE OF COUNTY	63	1			1	4		6	1			1	4		2	1	3	3		









TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS CONTINUED																						
	RESPIRATORY SYSTEM			BONE, CONNECTIVE TISSUE, SKIN & BREAST				GENITAL ORGANS				URINARY ORGANS			OTHER & UNSPECIFIED SITES								
	A77 Of larynx	A73 Of trachea, bronchus, & lung	A74 Of respiratory system	A75 Of bone	A76 Of connective & other soft tissue	A77 Of skin	A78 Of breast	Total	A79 Of cervix uteri	A80 Of other parts of uterus	A81 Of ovary, fallopian tube, & broad ligament	A82 Of other genital organs	A83 Of prostate	A84 Of all other & unspecified male genital organs	Total	A85 Of bladder	A86 Of other & unspecified urinary organs	Total	A87 Of eye	A88 Of brain & other parts of nervous system	A89 Of thyroid gland	A90 Other	
MACOMB	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ST. IGNACE	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
BALANCE OF COUNTY	5	4	2	4	2	7	62	71	4	15	2	30	3	1	14	12	61	1	20	1	1	60	2
CENTER LINE	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1
ST. CLAIR	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	12	1	1	1	1	1	1
DETROIT	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1
FRASER	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	7	1	1	1	1	1	1
MOUNT CLEMENS	1	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1
NEW BALTIMORE PT.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	1	1	1	1	1	1
RICHMOND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1
ROMEDO	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	18	1	1	1	1	1	1
ROSEVILLE	1	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	16	1	1	1	1	1	1
ST. CLAIR SHORES	1	1	1	1	1	1	21	1	1	1	1	1	1	1	1	1	18	1	1	1	1	1	1
ST. CLAIR	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
ST. CLAIR SHORES	1	1	1	1	1	1	21	1	1	1	1	1	1	1	1	1	16	1	1	1	1	1	1
WARREN	1	1	1	1	1	1	13	1	1	1	1	1	1	1	1	1	21	1	1	1	1	1	1
BALANCE OF COUNTY	28	1	2	1	1	1	14	5	1	3	1	6	1	1	9	5	11	1	4	1	1	11	1
MANISTEE	8	6	1	1	1	1	4	2	1	1	1	2	1	1	1	1	5	1	2	1	1	3	1
MANISTEE	6	6	1	1	1	1	2	1	1	1	1	2	1	1	1	1	3	1	1	1	1	2	1
BALANCE OF COUNTY	2	2	1	1	1	1	4	1	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1
MARQUETTE	15	15	11	2	3	6	11	1	1	4	1	5	1	1	3	1	8	1	3	1	1	4	1
ST. JOSEPH	3	3	1	1	1	1	3	1	1	3	1	3	1	1	1	1	3	1	1	1	1	1	1
MARQUETTE	4	4	1	1	1	1	3	1	1	3	1	3	1	1	1	1	3	1	1	1	1	1	1
NEQUAME	4	4	1	1	1	1	3	1	1	3	1	3	1	1	1	1	3	1	1	1	1	1	1
BALANCE OF COUNTY	8	8	2	1	1	1	2	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1
MASON	7	1	6	1	1	1	4	8	1	2	1	5	1	1	4	1	7	1	2	1	1	5	1
LUDINGTON	3	1	2	1	1	1	1	3	1	1	1	4	1	1	3	1	6	1	1	1	1	4	1
BALANCE OF COUNTY	4	4	1	1	1	1	5	1	1	1	1	4	1	1	3	1	9	1	2	1	1	5	1
MECOSTA	3	3	1	1	1	1	2	2	1	1	1	2	1	1	1	1	4	1	1	1	1	4	1
BIG RAPIDS	3	3	1	1	1	1	2	2	1	1	1	2	1	1	1	1	4	1	1	1	1	4	1
BALANCE OF COUNTY	3	3	1	1	1	1	3	1	1	1	1	2	1	1	1	1	4	1	1	1	1	3	1
MENOMINEE	7	6	1	1	2	3	6	6	1	2	1	1	1	1	1	1	4	1	1	1	1	3	1
MENOMINEE	2	2	1	1	1	1	2	4	1	1	1	1	1	1	1	1	2	1	1	1	1	3	1
BALANCE OF COUNTY	5	4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	4	1	1	1	1	3	1
MIDLAND	12	11	1	1	1	1	9	4	1	1	1	1	1	1	1	1	3	1	2	1	1	1	1
MIDLAND	6	5	1	1	1	1	3	2	1	1	1	1	1	1	1	1	3	1	2	1	1	1	1
BALANCE OF COUNTY	5	5	1	1	1	1	6	2	1	1	1	1	1	1	1	1	3	1	2	1	1	1	1
MISSAUKEE	4	4	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HONROE	24	4	20	1	2	1	14	15	1	5	2	7	1	1	2	4	7	1	2	1	1	5	1
INDIAN PT.	6	6	1	1	1	1	3	5	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
HONROE	6	6	1	1	1	1	5	1	1	2	1	7	1	1	2	4	7	1	2	1	1	5	1
BALANCE OF COUNTY	18	4	14	1	1	1	11	10	4	1	1	4	1	1	2	2	3	1	2	1	1	1	1
MONTCALM	8	2	6	1	1	1	4	7	1	1	1	6	1	1	4	2	4	1	3	1	1	1	1
GREENVILLE	3	1	2	1	1	1	1	2	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	5	1	4	1	1	1	3	5	1	1	1	4	1	1	3	2	3	1	2	1	1	1	1
MONTMORENCY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MUSKOGON	38	2	36	1	2	4	21	34	6	2	13	12	1	1	4	4	19	1	4	1	1	14	1
MUSKOGON	16	16	1	1	1	1	17	5	1	1	1	4	1	1	2	2	10	1	1	1	1	9	1
MUSKOGON HEIGHTS	1	1	1	1	1	1	2	7	1	1	1	4	1	1	1	1	3	1	1	1	1	2	1
NORTH MUSKOGON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROOSEVELT PARK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WHITFIELD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	20	2	18	1	1	1	11	9	1	4	4	4	1	1	1	1	6	1	2	1	1	3	1
MEMPHIS	9	1	7	1	1	1	2	4	1	1	1	3	1	1	3	3	4	1	2	1	1	2	1
FREMONT	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	7	1	6	1	1	1	2	4	1	1	1	3	1	1	3	3	3	1	2	1	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS CONTINUED																			
	RESPIRATORY SYSTEM			BONE, CONNECTIVE TISSUE, SKIN & BREAST			GENITAL ORGANS				URINARY ORGANS		OTHER & UNSPECIFIED SITES							
	A72 Of larynx	A73 Of trachea, bronchus, & lung	A74 Of respiratory system	A75 Of bone	A76 Of connective & other soft tissue	A77 Of skin	A78 Of breast	A80 Of other parts of uterus	A81 Of ovary, fallopian tube, & broad ligament	A82 Of other & unspecified female genital organs	A83 Of prostate	A84 Of all other & unspecified male genital organs	Total	A85 Of bladder	A86 Of other & unspecified urinary organs	Total	A87 Of eye	A88 Of brain & other parts of nervous system	A89 Of thyroid gland	A90 Other
OAKLAND	27	21	8	152	18	117	134	21	22	33	4	64	53	38	15	107	2	17	3	65
BERKLEY HILLS	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEVERLY HILLS	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BIRMINGHAM	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CLANSON	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FARMINGTON	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FERRISDALE	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HOLLY PARK	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HUNTINGTON WOODS	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KEEBO HARBOR	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LAKE ORION	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LATHROP VILLAGE	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MADISON HEIGHTS	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MILFORD	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NOVATO	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NOVATOVILLE PT.	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OAK PARK	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PLEASANT RIDGE	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PONTIAC	37	35	2	14	1	1	21	4	5	4	8	10	8	2	2	13	1	1	1	7
ROCHESTER	4	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
ROYAL OAK	26	24	2	15	1	1	14	4	2	6	1	1	6	5	1	10	4	4	1	6
TOUHYFIELD	18	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WALLED LAKE	2	1	1	2	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	72	68	3	39	6	29	36	5	5	2	14	2	18	12	6	35	1	9	2	23
OCEANA	2	2	1	3	1	2	4	1	1	1	2	1	1	1	1	1	1	1	1	1
OGEAMA	8	6	1	5	1	1	2	1	1	1	1	1	3	1	2	4	1	1	1	3
ONTONAGON	3	3	1	1	1	1	2	1	1	1	2	1	1	1	1	3	1	1	1	3
OSCEOLA	4	3	1	4	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	4
OSCODA	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OTSEGO	6	6	1	1	1	1	1	1	1	1	1	1	2	1	2	3	1	1	1	3
GAYLORD	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
OTTAWA	27	26	2	22	3	17	22	4	2	7	8	11	11	9	2	14	7	7	1	6
GRAND HAVEN	6	5	1	3	1	2	2	2	2	1	1	1	3	2	1	2	1	1	1	1
HOLLAND PT.	6	6	1	5	1	4	4	2	1	1	1	1	2	1	1	2	1	1	1	1
HUDSONVILLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ZEELAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	15	15	8	8	1	7	14	2	1	6	5	1	1	4	1	10	5	5	1	5
PRESQUE ISLE	1	1	1	1	1	1	1	1	1	2	3	1	2	1	2	2	1	1	1	2
ROGERS CITY	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1	2
BALANCE OF COUNTY	5	4	2	2	1	1	2	1	1	1	1	1	3	2	1	4	1	1	1	3
RUSCONDON	51	47	2	35	1	30	39	7	8	10	14	17	17	10	7	26	9	2	2	15
SAGINAW	32	30	1	17	1	14	23	1	6	6	10	11	11	7	4	12	4	1	1	7
CHESaning	19	17	1	18	1	16	16	6	2	4	4	6	6	3	3	12	5	1	1	6
BALANCE OF COUNTY	31	31	16	16	1	13	23	5	2	3	7	7	7	4	3	18	8	1	1	9
ST. CLAIR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ALGONAC	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MARINE CITY	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEW BALTIMORE PT.	10	10	4	4	1	3	12	2	3	2	4	1	5	3	2	7	3	1	1	4
PORT HURON	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ST. CLAIR	12	12	9	9	1	8	6	3	1	1	1	1	1	1	1	8	4	1	1	3
BALANCE OF COUNTY	12	12	9	9	1	8	6	3	1	1	1	1	1	1	1	8	4	1	1	3

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS CONTINUED																							
	RESPIRATORY SYSTEM			BONE, CONNECTIVE TISSUE, SKIN & BREAST				GENITAL ORGANS				URINARY ORGANS			OTHER & UNSPECIFIED SITES									
	Total	A72 Of larynx	A73 Of trachea, bronchus, & lung	A74 Of respiratory system	Total	A75 Of bone	A76 Of connective & other soft tissue	A77 Of skin	A78 Of breast	Total	A80 Of other parts of uterus	A81 Of ovary, fallopian tube, & broad ligament	A82 Of other & unspecified female genital organs	A83 Of prostate	A84 Of all other & unspecified male genital organs	Total	A85 Of bladder	A86 Of other & unspecified urinary organs	Total	A87 Of eye	A88 Of brain & other parts of nervous system	A89 Of thyroid gland	A90 Other	
ST. JOSEPH	15		15		12			9		1				9		4	2	4	5		1			4
STURGIS	3		3		2			2						3		2	1	1	1					1
THREE RIVERS	4		4		5			5						6		1	1	1	1					1
BALANCE OF COUNTY	8		8		3			8						0		1	1	1	1					1
SANILAC	8		6	2	2			2		5	2			0		1	1	1	9		2			6
SCHOOLCRAFT	4		4		1			1			2			2					1					1
MANISTIQUE	1		1		1			1			2			1					1					1
BALANCE OF COUNTY	3		3		4			4			2			1					1					1
SHYKASSEE	12		11	1	14			9		2	1			6		3	1	2	7		2			4
DURAND	4		4		7			4		2	1			1		1	1	2	1		1			1
LOUKA	1		1		1			1		2	1			1		1	1	2	1		1			1
DWGSO	1		1		5			3		1	1			3		1	1	2	4		1			2
BALANCE OF COUNTY	4		3	1	5			3		1	2			1		1	1	1	4		1			2
TUSCOLA	10		10		5			3		1	1			7		1	1	1	9		2			6
CARGO	3		3		4			2			1			1		1	1	1	1		1			1
WASSAR	7		7		4			2		1	1			5		1	1	1	9		1			6
BALANCE OF COUNTY	24		22	1	7			4		3	4			5		6	4	2	11		1			10
VAN BUREN	2		2		1			1			1			1		1	1	1	1					1
PAN PAW	15		15		1			1			3			1		1	1	1	6		1			9
SOUTH HAVEN	17		17		6			2			3			4		1	1	4	10		1			9
BALANCE OF COUNTY	36		34		27			15		2	9			8		11	5	2	16		10			7
WASHTENAW	13		13		14			4		1	1			5		1	1	1	16		2			3
ANN ARBOR	4		4		2			2			1			1		1	1	1	1		1			1
CHELSEA	1		1		2			1			1			1		1	1	1	1		1			1
MILAN PT.	1		1		2			2			1			1		1	1	1	1		1			1
YPSILANTI	19		19		11			2		3	1			3		4	2	2	11		7			4
BALANCE OF COUNTY	1,036	49	972	15	545	22	20	51	452	73	146	20	239	17	146	212	131	81	434	6	129	14		285
WAYNE EN PARK	40		40		36			4	32	2	1			2		11	9	2	20		7			13
DEARBORN	745	37	699	7	340	16	12	33	279	56	90	13	173	9	144	92	52	80	290	3	1			156
ECORSE	6		5	1	1			1	1	1	1			1		2	1	1	2		1			1
FLAT ROCK	1		1		1			1	1					1		1	1	1	1		1			1
GARDEN CITY	11		10	1	9			1	9		1			1		4	3	1	1		1			1
GROSSE POINTE	3		3		1			1	1		1			1		2	1	1	1		1			2
GROSSE POINTE PARKS	2		2		8			2	2		2			2		2	1	1	4		1			3
GROSSE PTE. PARKS	4		4		3			1	1		2			2		3	2	1	4		1			2
GROSSE PTE. WOODS	12		11	1	5			4	4		1			11		2	1	1	7		2			2
HARTZACK	6		6		5			4	4		1			1		3	1	3	7		1			6
HARPER WOODS	14		12	1	11			1	9		2			4		4	2	2	3		1			2
HIGHLAND PARK	16		15		4			4	4		6			4		2	2	2	3		1			2
INKSTER	17		17		11			1	10		2			4		4	2	4	3		1			2
LINCOLN PARK	22		20	2	17			10	11		3			10		1	1	1	11		4			7
LEVONTIA	9		9		2			1	2		1			2		1	1	1	2		1			1
LYONSVILLE	1		1		2			1	1		2			1		1	1	1	1		2			1
NORTHVILLE PT.	1		1		2			1	2		1			1		1	1	1	3		1			1
PLYMOUTH	13		13		3			2	2		1			2		1	1	1	4		2			4
RIVER ROUGE	12		12		1			1	1		1			1		1	1	1	3		1			1
RIVERVIEW	10		8	2	6			1	5		2			2		3	1	2	7		1			1
SOUTHGATE	4		4		2			1	3		1			2		1	1	1	4		6			1
TRENTON	6		6		3			1	3		1			1		1	1	1	3		1			1
WASHTENAW	10		10		4			1	3		1			1		1	1	1	4		2			1
WAYNE	79	3	75	1	53	1	1	1	50	9	5	17	5	16	4	16	8	7	38	1	12	1		24
BALANCE OF COUNTY	3		3		7			6	4		1			2		1	1	2	2		1			1
MEXFORD	3		3		5			4	4		1			1		1	1	1	1		1			1
CADILLAC	1		1		2			1	2		1			1		1	1	1	2		1			1
BALANCE OF COUNTY	3		3		2			2	2		1			1		2	2	2	1		1			1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS CONTINUED				BENIGN NEOPLASMS & NEOPLASMS OF UNSPECIFIED NATURE										OTHER NEOPLASMS OF LYMPHATIC & HEMATOPOIETIC TISSUES				LEUKEMIA				Total				
	Total				Grand Total	A99 Benign neoplasms of female genital organs	A100 Benign neoplasms of eye, brain, & other parts of nervous system	A101 Other benign neoplasms	A102 Neoplasms of unspecified nature of female genital organs	A103 Neoplasms of unspecified nature of eye, brain, & other parts of nervous system	A104 Other neoplasms of unspecified nature	A105 Nontoxic goiter	A106 Thyrotoxicosis with or without goiter	A107 All other diseases of thyroid gland	A108 Diabetes mellitus	A109 Diseases of pituitary gland	A110 Diseases of thymus gland	A111 Diseases of adrenal glands	A112 Niacin deficiency	A113 Other avitaminoses & nutritional deficiencies							
	A91 Lymphatic	A92 Myeloid leukemia	A93 Monocytic	A94 Other & unspecified leukemia																	A95 Lymphosarcoma & reticulum cell sarcoma	A96 Hodgkin's disease		A97 Multiple myeloma	A98 All other	A91 Lymphatic	A92 Myeloid leukemia
STATE	627	167	243	60	157	765	280	144	184	157	157	13	52	99	2	30	21	2	12	17	2,298	9	4	17	1	86	
ALCONA	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ALGER	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
BALANCE OF COUNTY	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ALLEGAN	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	1	1	1	1	1	1
HOLLAND PT.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
OTSEGO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
PLAINWELL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ALPENA	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ANTRIM	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1
ARENAC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1
BARAGA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	1	1	1	1	1	1
BARRY	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	1	1	1	1	1	1
HASTINGS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	1	1	1	1	1	1
BALANCE OF COUNTY	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2
BAY CITY	8	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	1	1	1	1	1	1
ESSEVILLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1
BENZIE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47	1	1	1	1	1	1
BERRIEN	12	2	7	2	1	24	13	6	3	2	5	1	2	1	1	1	1	1	1	1	6	1	1	1	1	1	1
BENTON HARBOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
BUSKEMAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ELLS	3	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
ST. JOSEPH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	34	1	1	1	1	1	1
BALANCE OF COUNTY	9	1	5	2	1	17	8	6	1	2	4	2	2	1	1	1	1	1	1	1	34	1	1	1	1	1	1
BRANCH	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	13	1	1	1	1	1	1
COLDWATER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1
CALHOUN	6	3	1	1	1	14	5	3	3	2	2	1	1	1	1	1	1	1	1	1	37	1	1	1	1	1	1
ALBION	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	21	1	1	1	1	1	1
BATTLE CREEK	5	2	1	1	1	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
MARSHALL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
SPRINGFIELD	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	8	5	1	1	3	1	1	1	1	1	1	1	1	1	1	14	1	1	1	1	1	1
CASS	5	3	1	1	1	4	1	1	1	2	1	1	1	1	1	1	1	1	1	1	8	1	1	1	1	1	1
DOWAGIAC	2	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	1	1	1	1	1	1
BALANCE OF COUNTY	3	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	1	1	1	1	1	1
CHARLEVOIX	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
BOYNE CITY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
CHARLEVOIX	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
CHEBOYGAN	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	1	1	1	1	1	1
CHEBOYGAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1
BALANCE OF COUNTY	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1













TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ANEMIAS				A115 All other endocrine & metabolic diseases	A114 Cystic fibrosis	A138 All other diseases of nervous system & sense organs
	A116 Deficiency anemias	A117 Hemolytic anemias	A118 Aplastic anemias	A119 Other & unspecified anemias			
CALPPEWA							
SAULT STE. MARIE							
BALANCE OF COUNTY							
CLARE							
CLINTON							
ST. JOHNS							
BALANCE OF COUNTY							
CRAWFORD							
DELTA							
ELMIRA							
GLADSTONE							
BALANCE OF COUNTY							
DICKINSON							
IRON MOUNTAIN							
KINGSFORD							
NORWAY							
BALANCE OF COUNTY							
EATON							
CHARLOTTIE							
CATON RAPIDS							
URAND LODGE							
BALANCE OF COUNTY							
EHMET							
PETOSKEY							
BALANCE OF COUNTY							
GENESEE							
DAVISON							
FENTON							
FLINT							
HASTING							
MOUNT MORRIS							
SWARTZ CREEK							
BALANCE OF COUNTY							
GLADWIN							
GOGEBIC							
HEMLOCK							
FRANKFORD							
MAKFIELD							
BALANCE OF COUNTY							
GRAND TRAVERSE							
TRAVERSE CITY							
BALANCE OF COUNTY							
GRATIOT							
ALMA							
ITHACA							
ST. LOUIS							
BALANCE OF COUNTY							
HILLSDALE							
WILLIAMSBURG							
BALANCE OF COUNTY							
HOUGHTON							
HANCOCK							
HOUGHTON							
LAURITUM							
BALANCE OF COUNTY							
A120 Purpura & other hemorrhagic conditions							
A121 All other diseases of blood & blood-forming organs							
A122 Senile & presenile dementias							
A123 Alcoholic psychoses							
A124 All other psychoses							
A125 Alcoholism							
A126 Other neuroses & neuro-psychotic mental disorders							
A127 Mental retardation							
A128 Meningitis							
A129 Hereditary neuro-muscular disorders							
A130 Multiple sclerosis							
A131 Paralysis agitans							
A132 Cerebral spastic infantile paralysis							
A133 Epilepsy							
A134 Inflammatory diseases of eye							
A135 Cataract							
A136 Glaucoma							
A137 Otitis media & mastoiditis							
A138 All other diseases of nervous system & sense organs							
Grand Total							



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ANEMIAS				A115 All other endocrine & metabolic diseases	A114 Cystic fibrosis	A1138 All other diseases of nervous system & sense organs
	A116 Deficiency anemias	A117 Hemolytic anemias	A118 Aplastic anemias	A119 Other & unspecified anemias			
MACYINAC ST. IGMACE BALANCE OF COUNTY	1	1	1	1	1	1	1
CENTER LINE	1	1	1	1	1	1	1
EAST DETROIT	1	1	1	1	1	1	1
MOUNT CLEMENS	1	1	1	1	1	1	1
NEW BALTIMORE PT. RICHMOND	1	1	1	1	1	1	1
ROHEO	1	1	1	1	1	1	1
ROSEVILLE	1	1	1	1	1	1	1
ST. CLAIR SHORES	1	1	1	1	1	1	1
WARREN	1	1	1	1	1	1	1
BALANCE OF COUNTY	2	1	1	1	2	1	2
MANISTEE	1	1	1	1	1	1	1
MANISTEE BALANCE OF COUNTY	1	1	1	1	1	1	1
MARQUETTE	1	1	1	1	1	1	1
ISHPREMING	1	1	1	1	1	1	1
SHUPE	1	1	1	1	1	1	1
MEQUHE	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1
MASON	1	1	1	1	1	1	1
LUDINGTON	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1
MEGOSTA	1	1	1	1	1	1	1
MEGOSTA RAPIDS	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1
MENOMINEE	1	1	1	1	1	1	1
MENOMINEE BALANCE OF COUNTY	1	1	1	1	1	1	1
MIDLAND	1	1	1	1	1	1	1
MIDLAND BALANCE OF COUNTY	2	2	1	1	2	1	2
MISSAUKEE	1	1	1	1	1	1	1
MONROE	1	1	1	1	1	1	1
MILAN PT.	1	1	1	1	1	1	1
MONROE BALANCE OF COUNTY	1	1	1	1	1	1	1
MONTCALM	1	1	1	1	1	1	1
GREENVILLE	1	1	1	1	1	1	1
BALANCE OF COUNTY	2	1	1	1	2	1	2
MONTMORENCY	1	1	1	1	1	1	1
MUSKEGON	1	1	1	1	1	1	1
MUSKEGON	1	1	1	1	1	1	1
MUSKEGON HEIGHTS	1	1	1	1	1	1	1
NORTH MUSKEGON	1	1	1	1	1	1	1
ROOSEVELT PARK	1	1	1	1	1	1	1
WHITEHALL	1	1	1	1	1	1	1
BALANCE OF COUNTY	2	1	1	1	2	1	2
NEWAYGO	1	1	1	1	1	1	1
FREMONT	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	1
A120 Purpura & other hemorrhagic conditions	1	1	1	1	1	1	1
A121 All other diseases of blood & blood-forming organs	1	1	1	1	1	1	1
A122 Senile & presenile dementias	1	1	1	1	1	1	1
A123 Alcoholic psychoses	1	1	1	1	1	1	1
A124 All other psychoses	1	1	1	1	1	1	1
A125 Alcoholism	1	1	1	1	1	1	1
A126 Other neuroses personality disorders & non-psychotic mental disorders	1	1	1	1	1	1	1
A127 Mental retardation	1	1	1	1	1	1	1
A128 Meningitis	1	1	1	1	1	1	1
A129 Hereditary neuro-muscular disorders	1	1	1	1	1	1	1
A130 Multiple sclerosis	1	1	1	1	1	1	1
A131 Paralysis agitans	1	1	1	1	1	1	1
A132 Cerebral spastic infantile paralysis	1	1	1	1	1	1	1
A133 Epilepsy	1	1	1	1	1	1	1
A134 Inflammatory diseases of eye	1	1	1	1	1	1	1
A135 Cataract	1	1	1	1	1	1	1
A136 Glaucoma	1	1	1	1	1	1	1
A137 Otitis media & mastoiditis	1	1	1	1	1	1	1
A138 All other diseases of nervous system & sense organs	1	1	1	1	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ANEMIAS				A115 All other endocrine & metabolic diseases	A114 Cystic fibrosis	A138 All other diseases of nervous system & sense organs
	A116 Deficiency anemias	A117 Hemolytic anemias	A118 Aplastic anemias	A119 Other & unspecified anemias			
OAKLAND							
BEVERLY HILLS							
BIRMINGHAM							
CLAWSON							
FARMINGTON							
FERNDALE							
HAZEL PARK							
HUNTINGTON WOODS							
KEEGO HARBOR							
LAKE ORION							
LATHRUP VILLAGE							
MADISON HEIGHTS							
MILFORD							
NORTHVILLE PT.							
NOVY PARK							
PLEASANT RIDGE							
PONTIAC							
ROCHESTER							
ROYAL OAK							
SOUTHFIELD							
TROY							
WALLED LAKE							
BALANCE OF COUNTY							
OCEANA							
OGEHAN							
ONTONAGON							
OSCEOLA							
OSCODA							
OTSEGO							
GAYLORD							
BALANCE OF COUNTY							
OTTAWA							
GRAND HAVEN							
HOLLAND PT.							
HUDSONVILLE							
ZEELAND							
BALANCE OF COUNTY							
PRESQUE ISLE							
MUSKEGON							
BALANCE OF COUNTY							
ROSCOMMON							
SAGINAW							
CHESANING							
SAGINAW							
BALANCE OF COUNTY							
ST. CLAIR							
ALGONAC							
MARINE CITY							
MARYSVILLE							
MEN BALTHORE PT.							
PORT HURON							
ST. CLAIR							
BALANCE OF COUNTY							
A120 Purpura & other hemorrhagic conditions							
A121 All other diseases of blood & blood-forming organs							
A122 Senile & presenile dementias							
A123 Alcoholic psychoses							
A124 All other psychoses							
A125 Alcoholism							
A126 Other neuroses personality disorders & non-psychotic mental disorders							
A127 Mental retardation							
A128 Meningitis							
A129 Hereditary neuro-muscular disorders							
A130 Multiple sclerosis							
A131 Paralysis agitans							
A132 Cerebral spastic infantile paralysis							
A133 Epilepsy							
A134 Inflammatory diseases of eye							
A135 Cataract							
A136 Glaucoma							
A137 Otitis media & mastoiditis							
A138 All other diseases of nervous system & sense organs							





TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES																
	DISEASES OF HEART					ISCHEMIC HEART DISEASE					CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY						
	CHRONIC RHEUMATIC HEART DISEASE			HYPERTENSIVE HEART		Sub Total		Sub Total			Sub Total		Sub Total		Sub Total		
	A139	A140	A141	A142	A143	A146	A148	A149	A150	A151	A152	A153	A156	A157	A158	A160	Total
CHIPPEWA	103	2	1	1	1	6	1	55	90	35	1	1	1	1	1	1	139
SULLY STE. MARIE	77	1	1	1	1	4	1	32	51	19	1	1	1	1	1	1	77
BALANCE OF COUNTY	62	1	1	1	1	2	1	39	32	16	1	1	1	1	1	1	62
CLARE	129	3	1	1	1	1	1	95	65	30	1	1	1	1	1	1	129
CLINTON	189	4	1	1	1	3	3	115	2	50	1	1	1	1	1	1	189
ST. JOHNS	57	2	1	1	1	2	1	33	16	17	1	1	1	1	1	1	57
BALANCE OF COUNTY	132	2	1	1	1	4	2	82	46	33	1	1	1	1	1	1	132
CRAWFORD	47	1	1	1	1	1	1	34	19	15	1	1	1	1	1	1	47
DELTA	184	3	1	1	1	4	3	113	71	42	1	1	1	1	1	1	184
ESCANABA	97	1	1	1	1	2	2	57	35	22	1	1	1	1	1	1	97
GLADSTONE	22	1	1	1	1	1	1	19	16	3	1	1	1	1	1	1	22
BALANCE OF COUNTY	65	1	1	1	1	2	1	37	20	17	1	1	1	1	1	1	65
DICKINSON	190	2	1	1	1	1	1	123	91	42	1	1	1	1	1	1	190
MOUNTAIN	98	2	1	1	1	1	1	27	16	11	1	1	1	1	1	1	98
KRUSKOPF	29	1	1	1	1	1	1	14	9	5	1	1	1	1	1	1	29
NORWAY	17	1	1	1	1	1	1	14	9	5	1	1	1	1	1	1	17
BALANCE OF COUNTY	37	1	1	1	1	1	1	25	18	7	1	1	1	1	1	1	37
EATON	266	4	1	1	1	13	1	165	103	62	1	1	1	1	1	1	266
CHARLOTTE	54	1	1	1	1	7	1	32	21	11	1	1	1	1	1	1	54
CAYON RAPIDS	31	1	1	1	1	1	1	16	9	5	1	1	1	1	1	1	31
ELGIN	18	1	1	1	1	1	1	14	9	5	1	1	1	1	1	1	18
BALANCE OF COUNTY	160	2	1	1	1	4	1	93	57	36	1	1	1	1	1	1	160
EMMET	125	2	1	1	1	1	1	51	51	40	1	1	1	1	1	1	125
PETOSKEY	43	1	1	1	1	1	1	29	17	12	1	1	1	1	1	1	43
BALANCE OF COUNTY	82	1	1	1	1	1	1	62	34	28	1	1	1	1	1	1	82
GENESSEE	1,179	25	4	9	12	18	13	5	1,102	763	5	336	2	1	1	3	1,179
DAVISON	25	16	1	1	1	1	1	17	8	9	1	1	1	1	1	1	25
FENTON	31	20	1	1	1	1	1	17	8	9	1	1	1	1	1	1	31
FLINT	881	14	3	3	8	7	5	614	430	3	181	1	1	1	1	2	881
FLUSHING	21	1	1	1	1	1	1	11	9	2	1	1	1	1	1	1	21
MOUNT MORRIS	11	1	1	1	1	1	1	8	6	2	1	1	1	1	1	1	11
SMARTZ CREEK	13	1	1	1	1	1	1	8	6	2	1	1	1	1	1	1	13
BALANCE OF COUNTY	586	11	6	4	10	7	3	428	297	2	129	1	1	1	1	1	586
GLADWIN	92	1	1	1	1	1	1	38	40	18	1	1	1	1	1	1	92
GOGEBIC	189	158	1	1	1	4	4	154	85	69	1	1	1	1	1	1	189
BESSEMER	30	24	1	1	1	2	2	22	11	11	1	1	1	1	1	1	30
IRONWOOD	84	21	1	1	1	2	2	23	14	9	1	1	1	1	1	1	84
MANISTIQUE	49	21	1	1	1	2	2	23	14	9	1	1	1	1	1	1	49
BALANCE OF COUNTY	47	40	1	1	1	4	4	40	24	16	1	1	1	1	1	1	47
GRAND TRAVERSE	197	2	1	1	1	1	1	141	79	62	1	1	1	1	1	2	197
TRAVERSE CITY	117	2	1	1	1	1	1	81	46	35	1	1	1	1	1	1	117
BALANCE OF COUNTY	80	2	1	1	1	1	1	60	33	27	1	1	1	1	1	1	80
GRATIOT	209	2	1	1	1	6	4	169	86	23	1	1	1	1	1	2	209
ALMA	39	27	1	1	1	1	1	23	16	7	1	1	1	1	1	1	39
ITHACA	14	8	1	1	1	1	1	8	5	3	1	1	1	1	1	1	14
ST. LOUIS	33	18	1	1	1	2	1	16	13	3	1	1	1	1	1	1	33
BALANCE OF COUNTY	123	71	2	1	1	3	3	62	52	10	1	1	1	1	1	2	123
HILLSDALE	184	1	1	1	1	1	1	110	75	34	1	1	1	1	1	1	184
ILLICIAUQUE	32	1	1	1	1	2	1	25	15	10	1	1	1	1	1	1	32
BALANCE OF COUNTY	140	90	1	1	1	2	1	85	60	24	1	1	1	1	1	1	140
HOUGHTON	275	1	1	1	1	6	5	186	109	6	71	1	1	1	1	1	275
HANCOCK	42	27	1	1	1	1	1	23	16	1	6	1	1	1	1	1	42
HOUGHTON	25	22	1	1	1	1	1	22	16	1	6	1	1	1	1	1	25
LAURUM	121	13	1	1	1	1	1	69	4	54	1	1	1	1	1	1	121
BALANCE OF COUNTY	187	1	1	1	1	3	3	127	69	4	54	1	1	1	1	1	187

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES																	
	DISEASES OF HEART					HYPERTENSIVE HEART				ISCHEMIC HEART DISEASE				CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY				
	CHRONIC RHEUMATIC HEART DISEASE		OTHER RHEUMATIC HEART DISEASE			HYPERTENSIVE HEART		HYPERTENSIVE HEART		ISCHEMIC HEART DISEASE		CHRONIC DISEASE OF ENDOCARDIUM		OTHER MYOCARDIAL INSUFFICIENCY				
	A139	A140	A141	A142	A143	A146	A148	A149	A150	A151	A152	A153	Sub Total	A156	A157	A158	A160	Total
	Active rheumatic heart disease	Diseases of mitral valve	Diseases of aortic valve	Diseases of other endocardial structures	Other rheumatic heart disease	Hypertensive heart disease - no mention of renal disease	Hypertensive heart & renal disease	Acute myocardial infarction	Other acute or sub-acute forms of ischemic heart disease	Chronic ischemic heart disease	Angina pectoris	Asymptomatic ischemic heart disease	Sub Total	Mitral valve, nonrheumatic	Aortic valve, nonrheumatic	Other endocardial structures	Other myocardial insufficiency	
HURON	1	1	1	1	1	3	3	92	1	31	1	1	2	1	1	1	2	139
BAD AXE	1	1	1	1	1	3	3	12	1	4	1	1	16	1	1	1	1	17
BALANCE OF COUNTY	1	1	1	1	1	3	3	80	1	27	1	1	109	1	1	1	1	122
INGHAM	18	11	1	6	6	21	14	323	14	194	7	7	333	14	14	1	1	662
LANSING	11	9	2	2	2	15	10	333	10	118	14	14	366	10	14	1	1	400
MASON	6	2	1	1	1	6	4	233	13	9	1	1	233	13	1	1	1	332
BALANCE OF COUNTY	6	2	1	1	1	6	4	83	13	55	1	1	141	13	1	1	1	223
IONIA	4	3	1	1	1	5	4	119	55	55	1	1	174	1	1	1	1	265
BELDING	41	26	1	1	1	1	1	24	20	24	1	1	33	1	1	1	1	41
PORTLAND	50	34	1	1	1	1	1	33	18	15	1	1	33	1	1	1	1	50
BALANCE OF COUNTY	159	122	4	4	4	3	3	106	74	32	1	1	111	1	1	1	1	159
TOSCO	118	83	1	1	1	1	1	75	54	21	1	1	106	1	1	1	1	118
IRON	147	102	1	1	1	7	7	68	68	21	1	1	89	1	1	1	1	147
BALANCE OF COUNTY	101	70	1	1	1	4	4	27	18	9	1	1	42	1	1	1	1	101
ISABELLA	149	111	1	1	1	1	1	102	60	41	1	1	120	1	1	1	1	149
MOUNT PLEASANT	54	38	2	4	4	1	1	36	22	14	1	1	50	1	1	1	1	54
BALANCE OF COUNTY	95	73	2	3	3	1	1	68	38	27	1	1	102	1	1	1	1	95
JACKSON	74	55	2	2	2	7	3	231	1	291	4	4	233	1	1	1	1	74
BALANCE OF COUNTY	329	282	4	4	4	5	3	260	102	158	3	3	263	1	1	1	1	329
KALAMAZOO	780	584	1	1	1	13	5	534	282	222	8	8	534	1	1	1	1	780
BALANCE OF COUNTY	395	268	3	3	3	2	2	253	132	121	1	1	253	1	1	1	1	395
KALKASKA	41	31	1	1	1	1	1	28	22	6	1	1	28	1	1	1	1	41
KENT	1,871	1,276	1	15	15	32	17	400	8	544	10	10	1,152	1	1	1	1	1,871
EAST GRAND RAPIDS	47	30	3	3	3	16	10	35	6	10	1	1	47	1	1	1	1	47
GRAND RAPIDS	1,241	858	1	8	8	26	16	782	2	382	1	1	1,152	1	1	1	1	1,241
GRANDVILLE	37	21	1	1	1	1	1	16	11	6	1	1	16	1	1	1	1	37
HAVILL	23	11	1	1	1	1	1	11	5	6	1	1	11	1	1	1	1	23
SPARTANBURG	11	7	1	1	1	1	1	12	4	6	1	1	11	1	1	1	1	11
WYOMING	146	103	1	2	2	1	1	88	44	44	1	1	146	1	1	1	1	146
BALANCE OF COUNTY	352	242	11	5	5	3	3	218	130	86	1	1	352	1	1	1	1	352
KEMENAW	21	17	1	1	1	1	1	17	11	6	1	1	17	1	1	1	1	21
LAKE	56	36	1	1	1	2	2	29	19	10	1	1	56	1	1	1	1	56
LAPEER	232	158	4	4	4	1	1	145	98	46	1	1	232	1	1	1	1	232
BALANCE OF COUNTY	185	121	3	3	3	1	1	33	20	12	1	1	185	1	1	1	1	185
LEELANAU	54	38	1	1	1	1	1	37	20	17	1	1	54	1	1	1	1	54
LENAWEE	300	265	5	5	5	3	3	229	159	69	1	1	300	1	1	1	1	300
ADRIAN	115	72	1	1	1	1	1	66	50	16	1	1	115	1	1	1	1	115
BLISSFIELD	19	12	1	1	1	1	1	11	7	4	1	1	19	1	1	1	1	19
HUDSON	22	15	1	1	1	1	1	13	11	2	1	1	22	1	1	1	1	22
TECUMSEH	27	16	1	1	1	1	1	12	11	4	1	1	27	1	1	1	1	27
BALANCE OF COUNTY	207	146	3	3	3	1	1	127	84	42	1	1	207	1	1	1	1	207
LIVINGSTON	220	177	9	9	9	3	3	155	99	56	1	1	220	1	1	1	1	220
HOWELL	99	72	2	2	2	3	3	24	16	8	1	1	99	1	1	1	1	99
BALANCE OF COUNTY	181	149	6	6	6	2	2	131	85	48	1	1	181	1	1	1	1	181
LUCE	42	32	1	1	1	1	1	28	23	5	1	1	42	1	1	1	1	42
NEWBERRY	22	15	1	1	1	1	1	13	13	2	1	1	22	1	1	1	1	22
BALANCE OF COUNTY	20	17	1	1	1	1	1	15	13	2	1	1	20	1	1	1	1	20



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES																		
	DISEASES OF HEART						ISCHEMIC HEART DISEASE				CHRONIC DISEASE OF ENDOCARDIUM & OTHER Myocardial Insufficiency								
	CHRONIC RHEUMATIC HEART DISEASE			HYPERTENSIVE HEART			ISCHEMIC HEART DISEASE				CHRONIC DISEASE OF ENDOCARDIUM								
	A139	A140	A141	A142	A143	Sub Total	A146	A148	A149	A150	A151	A152	A153	Sub Total	Sub Total	A156	A157	A158	A160
OAKLAND	2,149	19	15	4	34	17	13	4	1,986	2	742			13	4	2			1
BEVERLY HILLS	21	2	1					61	42		19								2
BIRMINGHAM	20	1	1					40	35		5								1
CLAMSON	135	1	1			2	1	91	40		3								1
FARMINGTON	44	3	1					31	21		10								1
FERNDALE	168	4	1					47	32		15								3
HAZEL PARK	146	1	1			2	2	112	72		40								3
HUNTINGTON WOODS	26	1	1					15	11		4								1
KEEBO HARBOR	22	1	1					17	11		4								1
LAKE ORION	21	1	1					16	7		9								1
LATHRUP VILLAGE	16	1	1					13	9		4								1
MADISON HEIGHTS	81	1	1			2	2	52	38		14								1
MORONG	25	1	1					18	11		7								1
NORRISVILLE PT.	18	1	1					16	11		3								1
NOVI	20	1	1					17	10		7								1
OAK PARK	115	4	1					87	58		29								1
PLEASANT RIDGE	17	1	1					13	8		5								1
PONTIAC	410	5	2					289	147		142								2
ROCHESTER	44	1	1					30	19		11								1
SOUTHFIELD	341	3	3			1	1	243	158		85								2
SOUTHFIELD	171	3	3			2	2	132	86		46								1
TROY	40	1	1					27	17		12								1
WALLED LAKE	22	1	1			3	2	17	12		9								1
BALANCE OF COUNTY	792	26	6	3	10	3	2	539	339	1	199			3	1				2
OCEANA	126							77	50		27			1					1
OGEMAW	79							55	38	1	16								1
ONTONAGON	68	1	1					44	32	1	11								1
OSCEOLA	96	1				4	3	62	36		26			3	1				2
OSCODA	36							22	13		9								1
OTSEGO	57							44	32		12								1
GAYLORD	22							17	15		15								1
BALANCE OF COUNTY	35							27	17		10								1
OTTAWA	454	3	1			16	6	299	202	1	96			3	1				2
CHARLEVOIX	66					2	2	36	26		10								1
HOLLAND	186					3	2	95	72	1	20								1
HUNTSVILLE	16							15	10		5								1
ZEELAND	29	1	1			1	1	15	10		5								1
BALANCE OF COUNTY	213	3	1			9	2	146	91		55			2	1				1
PRESQUE ISLE	46	1				2	2	51	31		20			1					1
ROGERS CITY	21					1	1	12	8		4								1
BALANCE OF COUNTY	65					1	1	39	23		16			1					1
ROSCOMMON	75	2				1	1	49	29		20								1
SAGINAW	912	17	8			6	3	594	328	50	216			6					6
CHESaning	15		3					5	1	1	3								1
SAGINAW	385	11	3			5	3	352	199	28	125								4
BALANCE OF COUNTY	365	5	1			1	1	237	128	21	88			4					1
ST. CLAIR	605	12	1			6	1	408	258	3	140			3					3
ALGONAC	33	1	1			1	1	23	15		8								1
MARINE CITY	30	1	1					22	13		9								1
MARYSVILLE	20	1	1					15	9		6								1
PERU	1							1	1		1								1
PERU	161					4	4	105	91	2	60			1					1
ST. CLAIR	25	0						19	12		1								1
BALANCE OF COUNTY	245	4	3			1	1	170	120	1	49			2					2



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES CONTINUED																						
	DISEASES OF HEART CONTINUED				HYPERTENSION				CEREBROVASCULAR DISEASE						Other Diseases of Arteries, Arterioles, & Capillaries								
	A154 Nonbacterial acute myocarditis & pericarditis	A155 Acute & sub-acute myocarditis	A159 Symptomatic heart disease	A161 All other forms of heart disease	A144 Malignant hypertension	A145 Essential benign hypertension	A147 Hypertensive renal disease	Total	A162 Subarachnoid hemorrhage	A163 Cerebral hemorrhage	A164 Cerebral thrombosis	A165 Cerebral embolism	A166 Other specified cerebral vascular disease	A167 Acute but ill-defined cerebral vascular disease	A168 Other cerebral vascular disease	A169 Arteriosclerosis	Total	A170 Aortic aneurysm (nonsyphilitic)	A171 Congenere	A172 Other diseases of arteries, arterioles, & capillaries	A173 Venous thrombosis	A174 Other diseases of circulatory system	A175 Acute upper respiratory infections
STATE	867	28	37	188	294	62	47	185	386	1,682	2,563	34	100	2,231	917	1,262	540	87	307	513	46	32	46
ALCONA	1			1					1	6	6			6	3	1	1						
ALGER																							
BALANCE OF COUNTY																							
ALLEGAN	5			2	2	2		2	2	9	12			21	9	19	3			3			
HOLLAND PT.	2			2				4	4	1	1			1	1	1				1			
OTSEGO	1			1				3	3	1	2			1	1	1				1			
PLAINWELL	1			1				3	3	1	2			1	1	1				1			
BALANCE OF COUNTY	2			2				4	4	1	1			1	1	1				1			
ALPENA								1	2	7	8			18	7	13	2			3			
ARENSA								31	2	14	14			1	1	3				2			
BALANCE OF COUNTY								14	1	8	5			1	1	1				1			
ANYTIN								17	1	6	9			1	1	2				1			
AREMAC	2							4	11	4	11			3	2	8	1			1			
BARAGA								17		1	1			6	2	3	2			1			
BARRY	4							15		2				12	1	2				2			
HASTINGS	1							32	2	6	11			9	3	8	3			2			
BALANCE OF COUNTY	3							23	2	4	9			8	2	7	2			1			
BAY CITY	14							147	4	23	46			29	34	18	12			5			
ESSEXVILLE	8							67	3	11	26			18	22	14	6			3			
BALANCE OF COUNTY	6							15	2	2	15			3	4	4	1			1			
BENZIE								45	1	10	15			8	8	4	5			1			
BERRIEN	17							11		7				3	1	1	2			2			
BENTON HARBOR	6							197	4	31	26			85	50	33	18			10			
BUCHANAN	1							40	1	7	5			16	11	4	6			2			
CLYDE	1							5						2	3	2	1			1			
ST. JOSEPH	7							19	2	1	3			8	5	1	2			1			
BALANCE OF COUNTY	7							14	1	3	15			5	3	5	3			1			
BRANCH	6							40	1	6	15			11	6	9	7			2			
COLDWATER	2							14	1	3	6			1	1	1	4			1			
BALANCE OF COUNTY	4							26	1	3	9			9	5	9	2			1			
CALHOUN	18							147	4	28	44			55	13	34	21			11			
ALBION	9							11	3	17	7			3	1	5	9			1			
BATTLE CREEK	1							7	1	3	1			1	1	1	5			1			
MARSHALL	1							1	1	2	1			2	6	14	10			1			
SPRINGFIELD	1							2	1	2	1			1	1	1	5			1			
BALANCE OF COUNTY	5							2	1	2	1			1	1	2	1			1			
CASS	4							59	1	12	12			28	6	10	3			4			
MONSIEUR	4							48	3	12	7			21	5	14	3			4			
BALANCE OF COUNTY	4							19	1	6	3			16	3	12	3			4			
CHARLEVOIX	1							34		8	18			3	5	4	1			2			
BOYNE CITY	1							7		2	3			1	1	1	1			1			
CHARLEVOIX	1							21		6	10			1	4	3	1			1			
BALANCE OF COUNTY	3							12		3	8			1	1	2	1			1			
CHEBOYGAN	1							3		1	7			1	1	1	1			1			
CHEBOYGAN	1							9		2	1			1	1	1	1			1			
BALANCE OF COUNTY	1							3		1	7			1	1	1	1			1			





TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES, CONTINUED																								
	DISEASES OF HEART CONTINUED				HYPERTENSION				CEREBROVASCULAR DISEASE				Other Diseases of Arteries, Arterioles, & Capillaries												
	ALL OTHER FORMS OF HEART				HYPERTENSION				CEREBROVASCULAR DISEASE				Other Diseases of Arteries, Arterioles, & Capillaries												
	A154	A155	A159	A161	Total	A144	A145	A147	Total	A162	A163	A164	A165	A166	A167	A168	A169	Total	A170	A171	A172	A173	A174	A175	A176
3	1	2	1	5	1	1	1	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
2	1	2	1	4	1	1	1	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
31	1	21	9	270	1	1	5	270	20	63	76	2	1	1	1	1	36	36	2	2	1	1	1	1	1
1	1	1	1	4	1	1	1	4	3	11	9	1	1	1	1	1	4	4	1	1	1	1	1	1	1
2	1	1	1	5	1	1	1	5	3	6	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
2	1	1	1	5	1	1	1	5	2	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
2	1	1	1	5	1	1	1	5	4	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
2	1	1	1	5	1	1	1	5	4	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
3	1	1	1	5	1	1	1	5	4	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
3	1	1	1	5	1	1	1	5	4	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
6	1	1	1	5	1	1	1	5	4	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1
1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1
2	1	1	1	4	1	1	1	4	1	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
2	1	1	1	4	1	1	1	4	1	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1
9	1	2	4	65	1	1	1	65	2	16	12	1	1	1	1	4	11	4	3	3	2	1	1	1	1
1	1	1	1	20	1	1	1	20	1	3	7	1	1	1	1	2	3	2	1	1	1	1	1	1	1
1	1	1	1	16	1	1	1	16	1	7	7	1	1	1	1	4	3	2	1	1	1	1	1	1	1
2	1	1	1	11	1	1	1	11	1	7	5	1	1	1	1	4	2	1	1	1	1	1	1	1	1
2	1	1	1	18	1	1	1	18	1	4	5	1	1	1	1	6	3	2	1	1	1	1	1	1	1
2	1	1	1	27	1	1	1	27	1	7	10	1	1	1	1	3	5	2	3	2	1	1	1	1	1
2	1	1	1	17	1	1	1	17	1	4	6	1	1	1	1	2	4	2	1	1	1	1	1	1	1
2	1	1	1	10	1	1	1	10	1	3	4	1	1	1	1	1	4	3	2	1	1	1	1	1	1
1	1	1	1	28	1	1	1	28	2	7	12	1	1	1	1	2	8	4	3	1	1	1	1	1	1
1	1	1	1	8	1	1	1	8	1	2	2	1	1	1	1	1	4	3	2	1	1	1	1	1	1
1	1	1	1	20	1	1	1	20	1	5	10	1	1	1	1	2	8	4	3	1	1	1	1	1	1
4	1	1	1	39	1	1	1	39	2	10	12	1	1	1	1	1	4	2	1	1	1	1	1	1	1
1	1	1	1	26	1	1	1	26	2	5	9	1	1	1	1	1	4	2	1	1	1	1	1	1	1
1	1	1	1	13	1	1	1	13	2	7	11	1	1	1	1	1	7	5	4	2	1	1	1	1	1
2	1	1	1	40	1	1	1	40	2	7	11	1	1	1	1	1	7	5	4	2	1	1	1	1	1
1	1	1	1	18	1	1	1	18	1	2	5	1	1	1	1	1	6	3	2	1	1	1	1	1	1
2	1	1	1	5	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	4	1	79	1	1	1	79	4	19	20	1	1	1	1	7	17	7	5	1	2	2	1	1	1
1	1	1	1	23	1	1	1	23	1	5	15	1	1	1	1	4	16	3	2	1	1	1	1	1	1
4	1	1	1	56	1	1	1	56	3	14	15	1	1	1	1	3	11	4	3	1	1	1	1	1	1
13	1	1	1	60	1	1	1	60	2	10	28	1	1	1	1	3	13	5	3	1	1	1	1	1	1
7	1	1	1	12	1	1	1	12	2	9	21	1	1	1	1	3	12	4	2	1	1	1	1	1	1
1	1	1	1	8	1	1	1	8	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
17	1	1	1	140	1	1	1	140	4	40	33	2	4	4	23	25	17	9	3	5	7	1	1	1	1
11	1	1	1	81	1	1	1	81	4	10	14	1	3	3	8	12	7	4	2	2	1	5	1	1	1
1	1	1	1	29	1	1	1	29	1	8	5	1	1	1	5	3	3	1	1	1	1	1	1	1	1
1	1	1	1	4	1	1	1	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	60	1	1	1	60	1	1	1	2	1	1	9	6	5	3	1	1	2	2	1	1	1
5	1	1	1	32	1	1	1	32	1	12	5	1	1	1	2	11	3	4	2	1	2	2	1	1	1
5	1	1	1	31	1	1	1	31	1	12	5	1	1	1	2	8	1	3	1	1	2	2	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES - CONTINUED																							
	DISEASES OF HEART CONTINUED				HYPERTENSION				CEREBROVASCULAR DISEASE					Other Diseases of Arteries, Arterioles, & Capillaries										
	ALL OTHER FORMS OF HEART				HYPERTENSION				CEREBROVASCULAR DISEASE					Other Diseases of Arteries, Arterioles, & Capillaries										
	A154	A155	A159	A161	Total	A144	A145	A147	A162	A163	A164	A165	A166	A167	A168	A169	Total	A170	A171	A172	A173	A174	A175	A176
OAKLAND	5	4	43	8	21	7	3	11	34	99	207	2	7	118	56	70	79	57	8	14	32	4	2	2
BERKLEY	1								1	1	1			3	1	1	1	1	1	1	1	1	1	1
BEVERLY HILLS	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
CLARK	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
CLAYTON	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
CLAYTON	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
FARMINGTON	2		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
FARMINGTON	2		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
FERNDALE	3		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
HAZEL PARK	3		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
HOLLY	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
HUNTINGTON WOODS	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
KEGO HARBOR	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
LAUREL HILLS	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
LATHROP VILLAGE	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
MADISON HEIGHTS	3		2	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
MILFORD	3		2	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
NORTHVILLE PT.	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
NOVI	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
OAK PARK	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
PLEASANT RIDGE	1		1	1	1				1	1	1			1	1	1	1	1	1	1	1	1	1	1
ROCHESTER	18		15	1	4	2		2	4	4	92		1	13	9	14	12	7	1	4	7	1	1	1
ROCHESTER	10		8	1	3	2		1	15	15	25		1	13	9	22	11	1	1	4	7	1	1	1
ROYAL OAK	2		1	1	1			3	3	3	14		1	13	7	2	2	1	1	1	3	3	3	3
SOUTHFIELD	1		1	1	1			1	1	1	3		1	4	4	2	2	1	1	1	2	2	2	2
TROY	1		1	1	1			1	1	1	3		1	4	4	2	2	1	1	1	4	4	4	4
WALLED LAKE	1		1	1	1			1	1	1	3		1	4	4	2	2	1	1	1	2	2	2	2
BALANCE OF COUNTY	16		11	1	2			1	13	22	64		2	42	17	23	19	15	3	1	8	1	1	1
OCEANA	1		1	1	1				1	1	1			5	9	5	5	2	1	3	1	1	1	1
OGEAW	3		3	1	1				4	4	8			5	9	5	5	2	1	3	1	1	1	1
ONTONAGON	1		1	1	1				1	1	1		1	6	1	1	6	1	1	1	1	1	1	1
OSCEOLA	5		3	2	2			1	1	1	1		1	6	1	5	1	1	1	1	1	1	1	1
OSCODA	1		1	1	1				1	1	1			8	1	4	1	1	1	1	1	1	1	1
OTSEGO	1		1	1	1				1	1	1			1	1	3	3	1	1	1	1	1	1	1
GAYLORD	1		1	1	1				1	1	1			5	1	2	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1		1	1	1				1	1	1			3	1	1	1	1	1	1	1	1	1	1
OTTAWA	14		9	6	2	2			23	30	1		1	19	14	16	12	8	1	3	6	1	1	1
GRAND HAVEN	1		1	1	1				3	4	1		1	7	7	3	2	1	1	2	1	1	1	1
HOLLAND PT.	2		2	1	1				1	1	1		1	1	2	3	6	4	1	1	1	1	1	1
HOLLAND	2		2	1	1				1	1	1		1	1	2	3	6	4	1	1	1	1	1	1
JEHLAND	2		1	1	1				1	1	1		1	3	1	1	2	1	1	1	1	1	1	1
BALANCE OF COUNTY	9		4	5	1				1	1	1		1	3	4	8	1	1	1	1	2	1	1	1
PRESQUE ISLE	1		1	1	1				1	1	1		1	5	1	6	4	2	1	1	1	1	1	1
ROGERS CITY	1		1	1	1				1	1	1		1	5	1	6	4	2	1	1	1	1	1	1
BALANCE OF COUNTY	2		1	1	1				1	1	1		1	5	1	2	2	1	1	1	1	1	1	1
ROSCOMMON	2		1	1	1				1	1	1		1	2	3	2	2	1	1	2	1	1	1	1
SAGINAW	22		18	2	9	2		6	8	29	53		1	70	29	51	16	8	3	5	14	1	1	1
CHESaning	16		13	2	7	2		4	2	18	35		1	27	16	31	10	5	1	4	9	1	1	1
SAGINAW	6		5	1	2			2	6	11	16		1	37	12	20	6	3	2	1	5	1	1	1
BALANCE OF COUNTY	10		7	3	7			7	5	23	47		2	22	7	30	25	11	1	13	5	1	1	1
ST. CLAIR	1		1	1	1				1	1	1		1	2	1	2	2	1	1	1	1	1	1	1
MARINE CITY	1		1	1	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
MARYSVILLE	1		1	1	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
NEW BALTIMORE PT.	1		1	1	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
PORT HURON	1		1	1	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
ST. CLAIR	1		1	1	1				1	1	1		1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	5		2	3	3			3	4	6	13		1	10	5	13	10	5	1	4	2	1	1	1











TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	INFLUENZA AND PNEUMONIA					BRONCHITIS, EMPHYSEMA, & ASTHMA										PEPTIC ULCER			
	A177 Influenza	PNEUMONIA				Grand Total	A187 Hypertrophy of tonsils & adenoids	A188 Empyema & abscess of lung	A189 Pleurisy	A190 Other chronic interstitial pneumonia	A191 Bronchiectasis	A192 Other diseases of respiratory system	A193 Diseases of teeth & supporting structures	Grand Total	A194 Ulcer of stomach	A195 Ulcer of duodenum	A196 Peptic ulcer, site unspecified	A197 Gastritis & duodenitis	A198 Appendicitis
		A178 Viral pneumonia	A179 Bacterial pneumonia	A180 Acute interstitial pneumonia	A181 Bronchopneumonia unspecified														
OAKLAND	52	11	24	1	42	113	3	14	16	4	19	1	27	11	8	7	2	3	
BERKLEY HILLS	3					2							1	1	1				
BIRMINGHAM	1					3							1	1	1				
CLANSON	8					3							1	1	1				
FARMINGTON	3					3							1	1	1				
FERNDALE	11					3							1	1	1				
HAZEL PARK	4					3							1	1	1				
HOLLY	6					2							1	1	1				
HUNTINGTON WOODS	1					2							1	1	1				
HUNTER HARBOR	1					1							1	1	1				
LAKE ORION	1					2							1	1	1				
LATHRUP VILLAGE	1					2							1	1	1				
MADISON HEIGHTS	6					3							1	1	1				
MILFORD	1					2							1	1	1				
NORTHVILLE PT.	1					1							1	1	1				
NOVI	1					1							1	1	1				
NOVY PARK	2					2							1	1	1				
ONEIDA	1					1							1	1	1				
ONEIDA RIDGE	1					1							1	1	1				
ONEIDA TOWNSHIP	44	6	3		12	19	2	3	14	2	14	1	5	4	2	2	1	1	1
PONTIAC	3					2							1	1	1				
ROCHESTER	18	6	2		1	21	3	3	17	1	2	1	2	1	1	1	1	1	1
ROYAL OAK	17	4	3		4	21	1	3	17	1	2	1	2	1	1	1	1	1	1
SOUTHFIELD	4	1	1		1	1			5	1	2	1	2	1	1	1	1	1	1
TROY	2	1	1		1	1			5	1	2	1	2	1	1	1	1	1	1
WALLED LAKE	1	1	1		1	1			2	1	3	1	3	2	1	1	1	1	1
BALANCE OF COUNTY	44	3	7		6	29	6	6	21	2	8	1	8	5	1	1	1	1	1
OCEANA	2					3			3				1	1	1				
OGEWA	1					3			2				1	1	1				
ONTONAGON	2					3			1				1	1	1				
OSCEOLA	1					3			2				1	1	1				
OSCODA	8					6			4				1	1	1				
OTSEGO	4					5			4				1	1	1				
GAYLORD	2					3			2				1	1	1				
BALANCE OF COUNTY	2					2			1				1	1	1				
OTTAWA	16	1	2		2	11	1	1	12				1	1	1				
ROMA HAVEN	3					1			1				1	1	1				
HOLLAND PT.	5					5			3				1	1	1				
HUDSONVILLE	1					1			1				1	1	1				
ZEELAND	1					1			1				1	1	1				
BALANCE OF COUNTY	7	1	2		4	8	1	1	7				1	1	1				
PRESQUE ISLE	4	1	2		1	1			1				1	1	1				
ROGERS CTR.	2	1	1		1	1			1				1	1	1				
BALANCE OF COUNTY	2					1			1				1	1	1				
ROSCOMMON	4					3			3				1	1	1				
SAGINAW	59	5	3		18	32	3	7	28				1	1	1				
CHESAMING	2					4			3				1	1	1				
SAGINAW	35	2	1		13	15	2	5	15				1	1	1				
BALANCE OF COUNTY	22	3	2		12	13	1	1	10				1	1	1				
ST. CLAIR	24	1	4		6	12		6	20				1	1	1				
ALGONAC	1					3			1				1	1	1				
MARINE CITY	1					1			1				1	1	1				
MARYSVILLE	1					1			1				1	1	1				
NEW BALTIMORE PT.	1					2			1				1	1	1				
PORT HURON	9					10			6				1	1	1				
ST. AGATHA	1					1			1				1	1	1				
BALANCE OF COUNTY	13	1	1		3	7		2	9				1	1	1				



































TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	Continued		ACCIDENTS, ALL FORMS													Grand Total	A242 Symptoms & other ill-defined conditions	A241 Sensitivity without mention of psychosis	A240D Other diseases of early infancy					
	ACCIDENTS, ALL FORMS																							
	MOTOR VEHICLE TRAFFIC ACCIDENTS																							
	A240D	A241	A242	AE243	Total	AE244	AE245	AE246	AE247	AE248	AE249	AE250	AE251	AE252	AE253	Total	AE254	AE255	AE256	Total	AE257	AE258	AE259	AE260
	Other diseases of early infancy	Sensitivity without mention of psychosis	Symptoms & other ill-defined conditions	Railway accidents	Total	Involving collision with train	Involving collision with motor vehicle	Involving collision with pedestrian	Involving collision, other	Noncollision motor vehicle traffic	Motor vehicle accidents of unspecified nature	Motor vehicle non-traffic accidents	Other road vehicle accidents	Water transport accidents	Air & space transport accidents	Total	By drugs & medications	By other solid & liquid substances	By gases & vapors	Total	From one level to another	On same level	Other & unspecified falls	Accidents caused by fire & flames
OKLAND	82	4	15	2	183	8	72	15	12	42	12	4	1	10	4	13	3		10	17	1	36	16	
BERKLEY HILLS					56																			
BIRMINGHAM	2				7																			
CLAWSON	2				7																			
FARMINGTON	2				3																			
GRAND HAVEN	3				5																			
HAZEL PARK	3				5																			
HOLLY	3				5																			
HUNTINGTON WOODS	2				1																			
KEEGO HARBOR	2				1																			
LAKE ORION	4				1																			
LATHROP VILLAGE	4				1																			
LYNDEN HILLS	1				5																			
MILFORD HEIGHTS	1				5																			
MILFORD	1				5																			
NORTHVILLE PT.	1				1																			
ADVI	1				1																			
OAK PARK	4				3																			
PLEASANT RIDGE	5				3																			
PONTIAC	17				19																			
WHELER	2				12																			
ROY OAK	7				11																			
SOUTHFIELD	7				11																			
TROY	1				11																			
WALLED LAKE	1				11																			
BALANCE OF COUNTY	21	1	4	1	86	7	29	9	5	25	7	4	1	4	1	5	1	5	12	5	1	7	7	
OCEANA	5		3		6		4		1	1														
OGENAW	2				4		4																	
ONTONAGON					2		1		1															
OSCEOLA	2	1	1	14	7	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
OSCODA					2		2																	
OTSEGO	2				1		1																	
GAYLORD	2				1		1																	
BALANCE OF COUNTY	2				1		1																	
OTTAWA	7		4		36	5	20	3	4	4														
GRAND HAVEN	4		3		16	2	7		2	2														
HOLLAND PT.	4				13	2	7		2	2														
HUDSONVILLE					14		7		2	2														
ZEELAND					2		1		1	1														
BALANCE OF COUNTY	3		1	25	17	3	8	3	1	2														
PRESQUE ISLE	2				8		5		2	2														
ROGERS CITY	2				5		2		2	2														
BALANCE OF COUNTY	2				5		4		2	2														
ROSCOWEN					5		4		1															
SAGINAW	29		2	138	83	3	37	8	5	26	4	1	1	4	2	1	1	1	1	17	3	14	5	
CHEMUNG	1				1		1																	
BALANCE OF COUNTY	11		1	73	42	1	17	4	4	14	1	1	1	1	1	1	1	1	1	10	1	2	4	
BALANCE OF COUNTY	17		1	62	41	1	20	4	4	11	3	1	1	3	2	1	1	1	1	5	2	3	1	
ST. CLAIR	14	1	1	107	62	1	30	7	8	13	1	2	1	1	1	3	1	1	1	10	2	8	6	
ALCONAC	2	1	1	3	2		1			2														
MARINE CITY					2		1			2														
MARYSVILLE					1		1			1														
WYOMING					1		1			1														
PORTRAITURE PT.	5				1		1			1														
PORT HURON	1				1		1			1														
ST. CLAIR	1				1		1			1														
BALANCE OF COUNTY	6				40		19	4	6	7	1	2	1	1	1	1	1	1	1	2	1	1	1	



















TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: FETAL DEATHS BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION MICHIGAN, 1968

AREA	POPULATION ESTIMATES		LIVE BIRTHS										FETAL DEATHS										DEATHS			
	July 1, 1968		Occurrence		Sex		Non-White		Number Born in Residence		Place of Delivery		Illegitimacy		Immature Births**		Residence		Occurrence		Non-White		Infant		Maternal	
	Number	Rate	Male	Female	White	Other	Single	Twins	Physician	Non-Physician	Other	Illegitimate	Immature	Number	Rate	Number	Rate	White	Other	Number	Rate	Under 1 Day	Under 28 Days	Under 1 Year	Maternal	
STATE	8,675,000	18.3	81,606	77,452	23,622	48	158,605	389	64	14,451	12,665	2,064	76,529	8.8	76,855	8.9	1,655	2,412	2,617	3,438	44					
ALCONA	5,700	8	51	51	4	95	7	7	9	1	1	1	43	7.5	102	17.9	-	-	2	3	3	3	3	3		
ALGER	8,000	95	110	13.8	46	64	2	110	6	7	6	1	86	10.8	105	13.1	-	-	1	2	4	4	4	4		
Balance of County		95	23	38	2	61	-	61	2	4	2	1	58	-	34	-	-	-	-	1	2	4	4	4		
ALLEGAN	59,900	814	1,222	20.4	631	591	26	1,219	2	1	63	87	436	7.3	566	9.4	16	10	17	17	20					
Balance of County		322	74	31	5	74	-	74	-	-	7	8	145	-	61	-	-	-	-	2	2	2	2	2		
ALPENA	29,900	616	20.6	501	16.8	235	266	1	23	39	299	10	299	10.0	239	8.0	1	4	4	5	7					
Balance of County		813	173	155	17	174	-	174	-	7	16	9	260	-	137	-	-	-	-	1	2	3	3	3		
ANtrim	10,700	-	0	197	18.4	106	91	4	8	7	8	1	73	6.8	176	16.4	2	-	2	2	3					
AREMAC	10,600	88	8.3	178	16.8	91	87	1	4	-	5	7	99	9.3	136	12.8	1	-	-	1	4					
BARAGA	8,000	159	19.9	132	16.5	54	78	14	6	-	9	11	115	14.4	97	12.1	4	2	2	2	3					
BARY	30,400	460	15.1	626	20.6	325	301	3	12	-	35	30	252	8.3	319	10.5	-	-	1	1	3	3	9	9		
Balance of County		459	117	140	10	138	114	1	8	-	14	6	138	-	69	-	-	-	-	1	3	3	9	9		
BAY CITY	114,400	2,324	20.3	2,267	19.8	1,177	1,090	28	53	-	126	125	2,259	8.8	1,027	9.0	10	22	32	34	43					
Balance of County		2,319	1,024	544	480	26	24	1,021	3	-	86	58	781	-	589	-	-	-	-	8	7	10	11	14		
BERRIEN	8,200	130	15.9	138	16.8	74	64	7	6	-	6	16	95	11.6	119	14.5	2	4	4	4	4					
Balance of County		801	604	1,608	1,504	656	66	3,096	14	2	368	280	1,555	9.4	1,586	9.6	176	31	45	49	67	2				
BETHLEHEM	164,600	762	4.6	747	4.5	318	286	4	1	-	179	63	3,270	-	262	-	-	-	-	10	13	13	17	2		
Balance of County		952	177	149	111	17	6	259	22	-	19	22	292	-	177	-	-	-	-	8	2	3	3	5		
BRANCH	34,500	627	18.2	597	17.3	319	278	4	8	-	43	43	357	10.3	368	10.7	-	-	-	10	11	11	12	12		
Balance of County		824	1,594	1,021	973	219	44	1,985	9	-	149	154	2,652	-	26	-	-	-	-	9	9	9	10	10		
CALHOUN	141,900	2,910	20.5	2,659	18.7	1,371	1,288	316	63	-	282	224	1,352	10.9	1,388	9.8	82	27	43	46	62					
Balance of County		437	279	130	149	93	7	276	3	-	43	29	882	-	651	-	-	-	-	67	15	23	23	31		
CASS	36,700	229	6.3	155	7.3	29	7	154	1	-	28	32	129	-	315	-	-	-	-	13	3	3	4	6		
Balance of County		149	8.8	263	15.5	141	122	1	8	-	13	21	135	7.9	196	11.5	6	3	5	7	8	1	1	1	1	
CHARLEVOIX	17,000	149	8.8	44	20	24	2	44	-	-	3	2	10	-	41	-	-	-	-	1	1	1	1	1		
Balance of County		149	163	91	72	1	4	162	1	-	8	14	122	-	111	-	-	-	-	5	2	4	5	6		
CHEROKEE	14,800	261	17.6	287	19.4	152	135	4	6	-	22	21	146	9.9	177	12.0	-	-	-	1	3	4	6	6		
Balance of County		261	110	52	58	1	3	110	6	-	10	14	115	-	103	-	-	-	-	1	1	2	3	3		
CHIPPEWA	32,600	755	23.2	748	22.9	385	363	32	12	-	49	47	271	8.3	266	8.2	7	8	11	12	13					
Balance of County		363	392	330	300	8	6	330	6	-	16	24	40	-	119	-	-	-	-	6	4	6	7	8		

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





TABLE 11. - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: FETAL DEATHS BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION MICHIGAN, 1968

Table with multiple columns: AREA, POPULATION ESTIMATES (July 1, 1968), OCCURRENCE, SEX (Male, Female), NON-WHITE, PLURAL BIRTHS, TRIPLETS, PLACE OF DELIVERY (Hospital, Non-hospital, Physician, Other), ILLEGITIMACY, IMMATURE BIRTHS, FETAL DEATHS (Number, Residence), OCCURRENCE (Number, Rate), DEATHS (White, Non-White, Infant, Maternal), and RATES (Number, Rate, Under 1 Day, Under 1 Week, Under 28 Days, Under 1 Year).

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION MICHIGAN, 1968

Table with columns: AREA, POPULATION ESTIMATES (July 1, 1968), LIVE BIRTHS (Occurrence, Residence), DEATHS (Occurrence, Residence), and Infant Under 1 Year. Rows include areas like Oceana, Saginaw, St. Clair, and Washtenaw.

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE: LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE: FETAL DEATHS BY RESIDENCE: DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE: POPULATION MICHIGAN, 1968

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

AREA	POPULATION ESTIMATES		LIVE BIRTHS										FETAL DEATHS										DEATHS			
	July 1, 1968	July 1, 1968	Occurrence		Sex		Number Born in Residence			Place of Delivery		Illegitimacy	Immat. Births**	Number	Occurrence		Non-White		Infant		Maternal					
			Number	Rate	Male	Female	Non-White	White	Flural	Twins	Triplets*				Hospital	Non-Hospital	Physician	Other	Number	Rate	Rate	1 Day	1 Week	28 Days	Under 1 Year	Under 1 Year
WAYNE	2,709,400	51,934	19.2	47,800	17.6	24,686	23,114	16,104	1,089	25*	47,623	167	10	6,833	4,698	776	27,908	10.3	27,773	10.3	6,508	556	796	862	1,139	14
Allen Park		1		503		262	241	3	10		476			6	30	5	599		264		5	5	5		6	
Dearborn		4,368		1,330		701	629	7	37		1,327	3		6	132	5	846		1,056		9	17	18	22		
Detroit		31,802		29,132		14,973	14,159	14,817	664	15	28,985	138	9	5,698	3,292	52	19,246		19,812		6,016	374	536	577	781	12
Grosse Pointe Woods						212	175	147	16		386	1		55	39	10	16		52		66	7	8	8	10	
East Rock				136		66	70		2		136			5			302		178		1	3	3	4		
Grosse Pointe Farms		1,542		710		383	327	2	17		709	1		22	40	13	328		178		1	3	3	4		
Grosse Pointe Park		1,264		553		89	64	1	4		113			6	7	3	234		109		1	2	2	3		
Grosse Pointe Shores		823		113		67	46		2		113			5	5	2	25		165		1	1	1	1		
Hamtramck				171		86	85		2		171			10	9	1	17		156		1	4	4	4		
Harper Woods				266		294	294	62	6		470			10	9	4	272		443		33	3	5	7	11	
Highland Park		2,209		189		336	306	396	19		189	4		39	31	1	60		173		1	2	2	2		
Inkster		914		640		478	436	377	19		936	4		126	107	12	944		434		109	5	6	7	11	
Lincoln Park		1,387		909		674	435	5	16		905	4		134	107	15	30		275		131	16	22	24	30	
Livonia		2,056		1,559		794	765	12	36		1,559	4		51	63	9	553		387		2	9	12	12	15	
Melvindale				273		143	130		8		273			17	14	17	488		505		1	16	25	26	32	
Northville				42		42	44	2	2		86			5	7	3	10		99		1	1	1	1	1	
Riverview				412		214	198	1			411			17	21	5	14		178		1	7	8	8	10	
River Rouge				383		194	189	117	11		382	1		77	45	9	51		210		75	6	6	6	8	
Southgate				217		110	107				216			7	18	3	26		38		4	4	4	4	9	
Trenton		2,109		343		281	262	7	12		343			16	32	6	44		176		15	4	4	4	4	
Wayne		1,434		537		387	460		10		532			14	26	5	439		118		15	4	4	4	4	
Wyandotte		1,181		755		397	348		19		753			37	38	12	249		169		15	4	4	4	4	
Balance of County		1,810		6,837		3,497	3,340	112	171	4	6,827	9	1	286	512	88	2,618		2,094		56	68	98	111	161	
WESTFORD	19,500	447	22.9	347	17.8	186	161		10		346			1	33	2	263	13.5	216	11.1		6	7	7	10	
Cadillac		446		195		104	91		6		195			10	16	1	234		110			4	4	5	7	
Balance of County		1		152		82	70				151		1	7	17	1	29		106			2	2	2	3	

\* Includes 4 quadruplets in the balance of Wayne County.

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

Source of Population Estimates: State and County - Michigan Center for Health Statistics, July 1, 1968 estimates.

TABLE 12 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM  
MICHIGAN, 1968

AGE (YEARS)	B R I D E						G R O O M					
	Order of Marriage						Order of Marriage					
	Total	First	Second	Third	Fourth or more	Not Stated	Total	First	Second	Third	Fourth or more	Not Stated
ALL AGES	88,916	68,095	16,512	3,558	726	25	88,916	68,073	16,785	3,336	696	26
Under 15	-	-	-	-	-	-	-	-	-	-	-	-
15 - 19	32,109	31,536	551	6	-	16	15,736	15,661	65	-	-	10
20 - 24	34,167	30,346	3,593	212	8	8	39,890	37,847	1,987	42	3	11
25 - 29	8,061	4,235	3,308	470	48	-	13,744	9,988	3,415	317	22	2
30 - 34	3,701	972	2,183	468	78	-	5,349	2,316	2,553	428	50	2
35 - 39	2,683	393	1,696	480	113	1	3,494	964	1,993	442	95	-
40 - 44	2,410	240	1,493	534	143	-	3,130	563	1,945	517	105	-
45 - 49	2,020	152	1,278	471	119	-	2,278	314	1,394	448	122	-
50 - 54	1,462	94	934	350	84	-	1,690	172	1,058	361	99	-
55 - 59	926	55	583	231	57	-	1,216	113	797	239	66	1
60 - 64	644	43	428	139	34	-	936	82	619	191	44	-
65 - 69	418	16	272	110	20	-	667	31	439	159	38	-
70 - 74	205	9	125	58	13	-	477	12	320	110	35	-
75 & over	100	2	62	27	9	-	300	6	195	82	17	-
Not stated	10	2	6	2	-	-	9	4	5	-	-	-

TABLE 13 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM  
MICHIGAN, 1968

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	88,916	100
Both bride and groom resident of State	78,984	88.8
Bride resident, groom nonresident of State	3,786	4.3
Groom resident, bride nonresident of State	1,075	1.2
Both bride and groom nonresident of State	5,071	5.7
Residence status of either or both not stated	-	0



TABLE 15 - DIVORCES AND ANNULMENTS BY LEGAL GROUNDS FOR DECREE  
MICHIGAN, 1968

LEGAL GROUNDS FOR DECREE	NUMBER	PERCENT
TOTAL	25,400	100.0
Cruelty	24,115	94.9
Desertion	527	2.1
Nonsupport	326	1.3
Fraud	152	0.6
Conviction of Crime	26	0.1
Drunkenness	25	0.1
Adultery	17	0.1
Bigamy	17	0.1
Other Causes	33	0.1
Not Stated	162	0.6

TABLE 16 - DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE  
MICHIGAN, 1968

DURATION (YEARS)	NUMBER	PERCENT
TOTAL	25,400	100.0
Under 1 year	351	1.4
1 - 4	8,370	32.9
5 - 9	6,443	25.4
10 - 14	3,734	14.7
15 - 19	2,592	10.2
20 - 24	2,201	8.7
25 - 29	947	3.7
30 - 34	429	1.7
35 - 39	171	0.7
40 - 44	78	0.3
45 - 49	24	0.1
50 & Over	8	0.0
Not Stated	52	0.2

TABLE 17 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE MICHIGAN, 1968

AREA	Divorces & Annulments	Annulments	D I V O R C E S											
			Total	Cases Contested	Granted to -		Children						5 or More	Not Stated
					Husband	Wife	0	1	2	3	4			
STATE	25,400	267	25,133	-	5,882	19,086	9,749	5,491	4,649	2,734	1,367	1,143	-	
Alcona	16	2	14	-	4	10	6	3	3	2	-	-	-	
Alger	-	-	-	-	-	-	-	-	-	-	-	-	-	
Allegan	150	1	149	-	36	113	53	36	29	13	16	2	-	
Aipena	49	-	49	-	13	36	15	10	9	7	3	5	-	
Antrim	28	-	28	-	6	22	12	3	5	3	3	2	-	
Arenac	-	-	-	-	-	-	-	-	-	-	-	-	-	
Baraga	9	-	9	-	2	7	2	1	2	3	1	-	-	
Barry	132	-	132	-	22	100	49	31	19	13	11	9	-	
Bay	286	4	282	-	63	218	73	66	76	31	17	19	-	
Benzie	14	1	13	-	1	12	5	2	4	1	1	-	-	
Berrien	631	2	629	-	140	484	240	147	114	64	33	31	-	
Branch	103	-	103	-	12	91	37	27	17	11	6	5	-	
Calhoun	671	3	668	-	152	515	268	142	133	67	43	15	-	
Cass	139	1	138	-	36	102	52	35	30	13	4	4	-	
Charlevoix	46	2	44	-	11	33	12	14	5	7	2	4	-	
Cheboygan	35	2	33	-	10	23	13	4	6	3	2	5	-	
Chippewa	83	-	83	-	23	60	31	17	13	11	3	8	-	
Clare	43	-	43	-	7	36	14	5	7	7	6	4	-	
Clinton	92	-	92	-	26	65	25	21	20	13	6	7	-	
Crawford	12	-	12	-	4	8	6	3	1	1	-	1	-	
Delta	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dickinson	41	1	40	-	3	36	18	6	5	6	4	1	-	
Eaton	189	2	187	-	47	140	62	43	38	22	10	12	-	
Emmet	46	-	46	-	14	29	22	7	6	5	3	3	-	
Genesee	1,547	13	1,534	-	406	1,126	595	317	285	177	86	74	-	
Gladwin	15	-	15	-	7	7	8	3	2	-	-	2	-	
Gogebic	31	-	31	-	4	27	5	8	5	8	3	2	-	
Grand Traverse	106	3	103	-	19	84	34	22	18	16	7	6	-	
Gratiot	73	-	73	-	23	46	25	16	12	14	2	4	-	
Hillsdale	115	-	115	-	28	86	36	32	17	20	6	4	-	
Houghton	58	-	58	-	9	49	14	9	16	8	6	5	-	
Huron	46	-	46	-	13	32	13	4	18	5	2	4	-	
Ingham	994	5	989	-	191	796	369	208	201	121	50	40	-	
Ionia	113	1	112	-	24	88	41	25	20	9	8	9	-	
Iosco	48	-	48	-	14	32	22	5	10	8	1	2	-	
Iron	22	-	22	-	5	17	6	4	5	3	3	1	-	
Isabella	67	1	66	-	17	49	22	11	12	9	6	6	-	
Jackson	527	8	519	-	138	379	205	122	84	48	31	29	-	
Kalamazoo	732	10	722	-	149	571	280	170	138	65	41	28	-	
Kalkaska	18	-	18	-	3	15	6	5	3	3	-	1	-	
Kent	1,309	21	1,288	-	244	1,041	469	276	245	155	77	66	-	
Keeweenaw	4	-	4	-	1	3	2	-	2	-	-	1	-	
Lake	11	-	11	-	3	8	5	3	2	-	-	-	-	
Lapeer	138	-	138	-	29	107	42	36	32	19	3	6	-	
Leelanau	14	-	14	-	5	9	5	2	1	5	-	1	-	
Lenawee	237	2	235	-	52	183	110	43	43	19	14	6	-	
Livingston	164	-	164	-	47	116	48	43	31	19	12	11	-	
Luce	29	-	29	-	5	24	5	9	9	1	2	3	-	
Mackinac	14	1	13	-	2	11	4	1	2	2	1	3	-	
Macomb	1,602	49	1,553	-	311	1,242	524	346	335	192	78	78	-	
Manistee	37	-	37	-	10	26	15	8	5	5	1	3	-	
Marquette	134	2	132	-	34	98	42	30	29	14	7	10	-	
Mason	60	-	60	-	17	43	24	12	8	8	5	3	-	
Mecosta	46	-	46	-	12	34	22	9	5	7	3	-	-	
Memominee	35	1	34	-	8	26	17	6	5	4	2	-	-	
Midland	166	4	162	-	40	119	54	40	28	22	11	7	-	
Missaukee	13	-	13	-	2	10	6	-	3	1	2	1	-	
Monroe	282	3	279	-	66	213	102	59	54	42	14	8	-	
Montcalm	117	1	116	-	28	88	41	21	23	17	11	3	-	
Montmorency	14	-	14	-	5	9	8	5	1	-	-	-	-	
Muskegon	491	4	487	-	131	356	185	103	96	55	25	23	-	
Newaygo	69	-	69	-	17	51	16	14	17	8	7	7	-	
Oakland	2,732	47	2,685	-	577	2,107	1,030	576	522	284	153	120	-	
Oceana	37	1	36	-	8	19	8	10	7	7	2	2	-	
Ogemaw	13	-	13	-	1	12	5	4	1	1	1	1	-	
Ontonagon	16	-	16	-	2	13	7	4	2	2	1	-	-	
Osceola	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oscoda	6	-	6	-	2	4	3	1	1	-	-	1	-	
Otsego	14	-	14	-	5	9	4	4	3	3	-	-	-	
Ottawa	220	2	218	-	40	178	68	51	44	25	18	12	-	
Presque Isle	17	2	15	-	4	11	4	5	2	1	1	2	-	
Roscommon	24	-	24	-	6	18	12	1	3	4	3	1	-	
Saginaw	529	7	522	-	150	372	206	99	83	78	37	19	-	
St. Clair	368	1	367	-	57	309	124	93	72	41	22	15	-	
St. Joseph	119	-	119	-	26	93	47	27	23	11	8	3	-	
Sanilac	67	1	66	-	14	52	18	17	16	5	7	3	-	
Schoolcraft	15	-	15	-	2	13	3	2	3	5	2	-	-	
Shiawassee	171	-	171	-	32	137	55	40	30	30	6	10	-	
Tuscola	72	-	72	-	20	52	32	15	8	11	3	3	-	
Van Buren	151	2	149	-	42	107	62	34	28	13	3	9	-	
Washtenaw	644	3	641	-	132	506	277	132	116	63	29	24	-	
Wayne	7,812	51	7,761	-	2,000	5,666	3,324	1,708	1,311	729	365	324	-	
Wexford	60	-	60	-	11	47	18	18	10	9	5	-	-	

BIRTHS	D E A T H S						
	Illegitimate	All Ages	Under 1 Yr	Under 28 Days	Perinatal	Due to Immaturity	Fetal
332	32,453	6,866				620	1,325
365	32,834	6,319				524	1,501
383	31,472	5,949				608	1,793
490	33,176	6,488				542	1,814
562	34,494	6,419				632	1,911
444	34,679	7,054				751	2,044
1,090	37,033	7,952				830	2,358
1,041	36,701	6,906				855	2,358
888	36,761	7,697				975	2,694
1,068	36,313	7,443				1,152	2,540
1,054	39,913	7,998				2,050	2,559
1,083	38,007	7,131				2,223	2,716
1,222	38,804	6,985				2,340	2,906
1,227	40,827	7,659				2,480	2,953
1,192	39,906	7,431				2,391	3,113
1,363	40,441	6,943				2,207	3,357
1,351	46,047	8,415				2,498	3,689
1,101	47,236	7,916				2,369	3,550
1,142	54,617	8,197				2,362	3,686
1,002	45,636	7,560				2,183	3,361
1,445	51,982	8,587				2,512	3,770
1,346	44,186	7,584				2,481	3,669
1,180	43,817	6,730				1,793	3,779
1,210	49,333	7,477				1,911	3,657
1,443	47,304	7,088	4,119	6,791		1,970	3,703
1,258	49,417	7,498	4,022	6,667		1,987	3,670
1,669	54,080	7,620	4,054	6,773		1,986	3,816
1,872	50,600	6,766	3,915	6,794		1,911	3,834
1,853	54,755	6,806	3,739	6,594		1,846	3,701
1,632	56,117	6,605	3,777	6,613		1,853	3,710
1,600	51,561	6,213	3,624	6,518		1,805	3,714
1,633	49,068	5,187	3,084	5,643		1,473	3,220
1,697	49,569	4,630	2,798	5,210		1,372	2,980
2,041	48,507	4,094	2,591	4,906		1,364	2,776
2,124	50,440	4,377	2,717	4,781		1,419	2,607
2,194	51,051	4,170	2,550	4,832		1,389	2,717
2,157	54,777	4,479	2,647	4,726		1,395	2,625
2,234	53,468	4,374	2,700	4,919		1,415	2,707
2,331	50,678	4,319	2,734	4,984		1,484	2,732
2,217	52,017	3,952	2,594	4,706		1,396	2,572
2,280	52,092	4,022	2,629	4,749		1,298	2,602
2,370	52,671	4,166	2,687	4,991		1,353	2,769
2,532	52,738	4,606	3,091	5,581		1,575	3,067
2,569	56,774	4,804	2,979	5,563		1,488	3,213
3,115	54,016	4,326	2,784	5,140		1,412	2,874
3,485	53,641	4,008	2,670	4,906		1,339	2,703
3,908	54,856	4,541	3,323	5,978		1,735	3,168
4,311	56,807	5,055	3,677	6,583		1,953	3,422
4,310	56,520	4,617	3,352	5,968		1,820	3,132
3,953	57,107	4,520	3,232	5,746		1,795	2,994

# TABLES 1969

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE  
MICHIGAN, 1969

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
STATE	91,188	0	9,763	6	192	3,359	401	114	1	583	2,133	3,809	18,534	52,293
ALCONA	4	-	-	-	-	-	-	-	-	-	2	1	-	1
ALGER	4	-	-	-	-	1	-	-	-	1	2	-	-	-
Munising	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	4	-	-	-	-	1	-	-	-	1	2	-	-	-
ALLEGAN	355	-	58	-	-	79	3	-	-	3	13	3	51	145
Allegan	60	-	-	-	-	30	2	-	-	-	7	-	4	17
Holland Pt.	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Otsego	99	-	31	-	-	3	1	-	-	-	1	-	7	56
Plainwell	28	-	7	-	-	4	-	-	-	-	1	-	10	6
Balance of County	167	-	20	-	-	41	-	-	-	3	4	3	30	66
ALPENA	38	-	-	-	-	4	4	-	-	2	3	4	6	15
Alpena	29	-	-	-	-	-	4	-	-	-	3	4	4	14
Balance of County	9	-	-	-	-	4	-	-	-	2	-	-	2	1
ANTRIM	18	-	2	-	-	1	-	2	-	1	1	4	6	1
ARENAC	14	-	-	-	-	-	-	-	-	2	3	4	5	-
BARAGA	19	-	12	-	-	-	-	-	-	2	1	1	-	3
BARRY	277	-	52	-	1	20	1	1	-	2	1	2	29	168
Hastings	31	-	3	-	-	4	-	-	-	-	1	1	6	16
Balance of County	246	-	49	-	1	16	1	1	-	2	-	1	23	152
BAY	854	-	28	-	14	11	2	-	-	4	18	28	119	630
Bay City	533	-	16	-	11	9	-	-	-	3	12	19	100	363
Essexville	39	-	1	-	3	-	-	-	-	-	1	-	5	29
Balance of County	282	-	11	-	-	2	2	-	-	1	5	9	14	238
BENZIE	12	-	-	-	-	2	-	-	-	-	-	5	5	-
BERRIEN	2,365	-	308	-	29	48	21	1	-	9	36	59	189	1,665
Benton Harbor	142	-	-	-	-	2	-	-	-	-	15	25	100	-
Buchanan	9	-	-	-	-	1	-	-	-	-	-	2	6	-
Niles	42	-	-	-	-	13	-	-	-	-	-	2	13	2
St. Joseph	16	-	-	-	-	7	-	-	-	-	5	1	2	2
Balance of County	2,156	-	308	-	29	25	21	1	-	9	14	19	68	1,663
BRANCH	215	-	2	-	6	11	-	1	-	4	8	5	66	112
Coldwater	85	-	-	-	3	8	-	-	-	-	5	2	31	36
Balance of County	130	-	2	-	3	3	-	1	-	4	3	3	35	76
CALHOUN	1,273	-	34	-	3	81	6	1	-	15	24	41	286	782
Albion	135	-	5	-	-	6	1	-	-	-	6	6	30	81
Battle Creek	557	-	6	-	-	33	-	-	-	-	16	29	234	239
Marshall	92	-	5	-	-	2	-	-	-	-	-	4	9	72
Springfield	18	-	4	-	-	1	-	-	-	-	-	-	-	13
Balance of County	471	-	14	-	3	39	5	1	-	15	2	2	13	377
CASS	100	-	-	-	-	8	-	-	-	2	4	12	58	16
Dowagiac	36	-	-	-	-	-	-	-	-	-	2	7	26	1
Balance of County	64	-	-	-	-	8	-	-	-	2	2	5	32	15
CHARLEVOIX	10	-	-	-	-	-	-	-	-	1	2	2	4	1
Boyme City	2	-	-	-	-	-	-	-	-	-	-	1	-	1
Charlevoix	5	-	-	-	-	-	-	-	-	-	2	1	2	-
Balance of County	3	-	-	-	-	-	-	-	-	1	-	-	2	-
CHEBOYGAN	93	-	-	-	3	2	4	-	-	-	4	3	6	71
Cheboygan	15	-	-	-	1	1	1	-	-	-	2	2	3	5
Balance of County	78	-	-	-	2	1	3	-	-	-	2	1	3	66
CHIPPEWA	90	-	45	-	-	2	-	-	-	5	4	5	6	23
Sault Ste. Marie	31	-	1	-	-	1	-	-	-	-	2	3	3	21
Balance of County	59	-	44	-	-	1	-	-	-	5	2	2	3	2
CLARE	21	-	1	-	-	4	2	-	-	-	-	3	5	6
CLINTON	548	-	167	-	-	15	2	1	-	7	1	1	28	326
St. Johns	8	-	-	-	-	2	-	-	-	-	1	-	5	-
Balance of County	540	-	167	-	-	13	2	1	-	7	-	1	23	326
CRAWFORD	7	-	-	-	-	2	-	-	-	-	-	2	3	-
DELTA	304	-	89	-	-	1	1	-	-	3	6	4	10	190
Escanaba	289	-	89	-	-	1	1	-	-	-	3	2	3	190
Gladstone	5	-	-	-	-	-	-	-	-	-	2	-	3	-
Balance of County	10	-	-	-	-	-	-	-	-	3	1	2	4	-
DICKINSON	387	-	18	-	-	-	3	-	-	2	5	-	5	354
Iron Mountain	92	-	2	-	-	-	1	-	-	-	-	-	4	85
Kingsford	205	-	-	-	-	-	1	-	-	-	1	-	1	202
Norway	21	-	10	-	-	-	-	-	-	-	1	-	-	10
Balance of County	69	-	6	-	-	-	1	-	-	2	3	-	-	57

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
EATON	1,215	-	15	-	-	22	2	-	-	3	2	4	66	1,101
Charlotte	1,108	-	13	-	-	1	2	-	-	-	1	2	18	1,071
Eaton Rapids	9	-	-	-	-	1	-	-	-	-	-	-	6	-
Grand Ledge	16	-	-	-	-	5	-	-	-	-	-	-	10	1
Balance of County	82	-	2	-	-	15	-	-	-	3	-	1	32	29
EMMET	29	-	6	-	-	-	-	-	-	4	4	6	6	3
Petoskey	7	-	-	-	-	-	-	-	-	4	2	3	2	-
Balance of County	22	-	6	-	-	-	-	-	-	4	2	3	4	3
GENESEE	3,953	-	280	-	4	127	12	3	-	31	78	216	1,649	1,553
Davison	49	-	14	-	-	1	-	1	-	-	-	-	6	26
Fenton	99	-	12	-	-	3	-	-	-	-	-	-	22	62
Flint	2,879	-	185	-	3	107	10	2	-	21	57	212	1,531	751
Flushing	269	-	31	-	1	-	-	-	-	-	1	1	8	227
Mount Morris	231	-	21	-	-	5	2	-	-	-	4	1	31	167
Swartz Creek	46	-	3	-	-	5	-	-	-	-	1	-	6	31
Balance of County	380	-	14	-	-	6	-	-	-	10	14	2	45	289
GLADWIN	4	-	-	-	-	1	-	-	-	-	-	2	1	-
GOGEBIC	131	-	39	-	-	6	1	-	-	3	2	2	13	65
Bessemer	18	-	-	-	-	3	-	-	-	-	1	-	4	10
Ironwood	18	-	5	-	-	2	-	-	-	-	1	2	5	3
Wakefield	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	94	-	34	-	-	1	1	-	-	3	-	-	3	52
GRAND TRAVERSE	152	-	21	-	-	8	4	3	-	3	6	4	15	88
Traverse City	141	-	21	-	-	7	4	3	-	3	6	3	11	86
Balance of County	11	-	-	-	-	1	-	-	-	3	-	1	4	2
GRATIOT	56	-	-	-	-	4	-	-	-	8	2	2	17	23
Alma	7	-	-	-	-	-	-	-	-	-	1	2	4	-
Ithaca	5	-	-	-	-	-	-	-	-	-	-	-	5	1
St. Louis	5	-	-	-	-	2	-	-	-	-	-	-	2	1
Balance of County	39	-	-	-	-	2	-	-	-	8	1	-	6	22
HILLSDALE	115	-	1	-	-	63	1	1	-	3	5	6	32	3
Hillsdale	63	-	1	-	-	36	1	-	-	-	3	3	17	2
Balance of County	52	-	-	-	-	27	-	1	-	3	2	3	15	1
HOUGHTON	1,094	-	19	-	-	8	-	-	-	3	3	9	7	1,045
Hancock	386	-	14	-	-	3	-	-	-	-	-	1	-	368
Houghton	75	-	2	-	-	1	-	-	-	-	-	-	3	67
Laurium	7	-	2	-	-	-	-	-	-	-	-	-	-	5
Balance of County	626	-	1	-	-	4	-	-	-	3	1	8	4	605
HURON	28	-	-	-	-	6	-	1	-	6	2	4	4	5
Bad Axe	2	-	-	-	-	1	-	-	-	-	-	-	1	-
Balance of County	26	-	-	-	-	5	-	1	-	6	2	4	3	5
INGHAM	7,039	-	3,824	2	1	111	8	5	-	25	31	80	1,251	1,701
East Lansing	176	-	-	-	-	1	-	-	-	-	3	8	164	-
Lansing	6,223	-	3,623	2	1	105	4	5	-	-	21	68	996	1,398
Mason	106	-	43	-	-	-	-	-	-	-	-	-	16	47
Balance of County	534	-	158	-	-	5	4	-	-	25	7	4	75	256
IONIA	329	-	107	-	-	8	-	1	-	-	3	6	59	145
Belding	7	-	-	-	-	-	-	-	-	-	-	-	7	-
Ionia	22	-	-	-	-	-	-	-	-	-	3	3	16	-
Portland	14	-	-	-	-	-	-	-	-	-	-	1	12	1
Balance of County	286	-	107	-	-	8	-	1	-	-	-	2	24	144
IOSCO	1,220	-	292	-	-	5	19	-	-	2	3	1	2	896
IRON	110	-	44	-	-	1	-	-	-	1	17	1	-	46
Iron River	5	-	-	-	-	-	-	-	-	-	1	-	-	4
Balance of County	105	-	44	-	-	1	-	-	-	1	16	1	-	42
ISABELLA	78	-	-	-	1	2	-	-	-	5	9	2	29	30
Mount Pleasant	58	-	-	-	1	1	-	-	-	-	8	1	21	26
Balance of County	20	-	-	-	-	1	-	-	-	5	1	1	8	4
JACKSON	308	-	-	-	-	123	-	2	-	7	33	48	88	7
Jackson	222	-	-	-	-	92	-	6	-	6	25	25	70	2
Balance of County	86	-	-	-	-	31	-	2	-	1	8	23	18	5
KALAMAZOO	3,004	-	59	-	8	76	3	8	-	7	13	43	673	2,114
Kalamazoo	1,593	-	18	-	-	51	-	4	-	6	12	35	617	850
Balance of County	1,411	-	41	-	8	25	3	4	-	1	1	8	56	1,264
KALKASKA	34	-	-	-	-	1	-	-	-	-	-	2	12	19
KENT	3,083	-	954	-	14	200	6	2	-	15	67	89	1,237	499
East Grand Rapids	7	-	-	-	-	4	-	-	-	-	-	-	-	3
Grand Rapids	2,328	-	620	-	5	114	1	1	-	11	62	83	1,167	264
Grandville	276	-	252	-	7	2	1	-	-	-	-	1	4	9
Lowell	8	-	-	-	-	4	-	-	-	-	-	-	4	-
Sparta	12	-	-	-	-	1	-	-	-	-	1	2	8	-
Wyoming	37	-	4	-	2	11	-	1	-	-	-	1	15	3
Balance of County	415	-	78	-	-	64	4	-	-	4	4	2	39	220

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
KEWESNAW	12	-	-	-	-	-	-	-	-	-	2	1	-	9
LAKE	29	-	-	-	-	1	-	-	-	-	2	20	6	-
LAPEER	230	-	24	-	1	9	-	1	-	9	3	5	16	162
Lapeer	58	-	4	-	-	1	-	-	-	-	1	2	4	46
Balance of County	172	-	20	-	1	8	-	1	-	9	2	3	12	116
LEELANAU	14	-	-	-	-	2	-	-	-	-	3	4	5	-
LENAWEE	310	-	8	-	-	32	-	-	-	10	16	11	108	125
Adrian	124	-	2	-	-	4	-	-	-	-	7	6	61	44
Blissfield	8	-	-	-	-	2	-	-	-	-	3	-	-	3
Hudson	10	-	-	-	-	1	-	-	-	-	1	-	4	4
Tecumseh	24	-	-	-	-	1	-	-	-	-	3	-	16	4
Balance of County	144	-	6	-	-	24	-	-	-	10	2	5	27	70
LIVINGSTON	262	-	16	-	-	7	7	-	-	12	9	3	23	185
Howell	81	-	1	-	-	3	4	-	-	-	-	-	5	66
Balance of County	181	-	15	-	-	4	3	-	-	12	7	3	18	119
LUCE	11	-	1	-	-	2	1	-	-	3	2	-	2	-
Newberry	5	-	1	-	-	1	1	-	-	-	2	-	-	-
Balance of County	6	-	-	-	-	1	-	-	-	3	-	-	2	-
MACKINAC	49	-	4	-	-	1	-	-	-	1	2	2	2	37
St. Ignace	27	-	1	-	-	-	-	-	-	-	-	1	-	25
Balance of County	22	-	3	-	-	1	-	-	-	1	2	1	2	12
MACOMB	5,718	-	168	3	4	141	2	5	-	27	103	68	163	5,034
Center Line	75	-	1	-	-	1	-	-	-	-	2	1	-	70
East Detroit	90	-	7	-	-	11	-	-	-	-	14	8	9	41
Fraser	109	-	1	-	-	3	-	-	-	-	1	-	6	98
Mount Clemens	272	-	3	-	-	4	-	-	-	-	19	21	56	169
New Baltimore Pt.	46	-	2	-	-	5	-	-	-	-	1	1	1	36
Richmond	33	-	19	-	-	1	-	-	-	-	-	-	3	10
Romeo	22	-	-	-	-	-	-	-	-	-	4	1	-	17
Roseville	343	-	13	-	-	16	-	1	-	-	10	2	16	285
St. Clair Shores	976	-	43	3	-	22	1	-	-	-	12	6	10	879
Warren	2,241	-	48	-	1	51	-	1	-	-	21	18	39	2,062
Balance of County	1,511	-	31	-	3	27	1	3	-	27	19	10	23	1,367
MANISTEE	6	-	-	-	-	1	-	-	-	1	2	-	1	1
Manistee	2	-	-	-	-	-	-	-	-	-	-	-	1	1
Balance of County	4	-	-	-	-	1	-	-	-	1	2	-	-	-
MARQUETTE	1,593	-	904	-	3	14	3	-	-	4	18	11	104	532
Ishpeming	37	-	27	-	-	-	-	-	-	-	6	-	4	-
Marquette	1,007	-	877	-	-	-	-	-	-	2	4	10	96	18
Negaunee	5	-	-	-	-	-	-	-	-	-	5	-	-	-
Balance of County	544	-	-	-	3	14	3	-	-	2	3	1	4	514
MASON	64	-	-	-	-	2	9	-	-	5	5	6	19	18
Ludington	19	-	-	-	-	-	-	-	-	-	3	3	13	-
Balance of County	45	-	-	-	-	2	9	-	-	5	2	3	6	18
MECOSTA	583	-	45	-	-	6	-	-	-	-	2	3	23	504
Big Rapids	566	-	45	-	-	4	-	-	-	-	1	2	10	504
Balance of County	17	-	-	-	-	2	-	-	-	-	1	1	13	-
MENOMINEE	99	-	16	-	2	1	-	-	1	1	4	2	4	68
Menominee	57	-	7	-	2	1	-	-	1	-	2	1	2	41
Balance of County	42	-	9	-	-	-	-	-	-	1	2	1	2	27
MIDLAND	524	-	40	-	-	5	-	-	-	3	3	3	15	455
Midland	268	-	19	-	-	-	-	-	-	-	1	1	14	233
Balance of County	256	-	21	-	-	5	-	-	-	3	2	2	1	222
MISSAUKEE	1	-	-	-	-	-	-	-	-	-	-	-	1	-
MONROE	2,708	-	79	-	1	30	-	-	-	19	33	15	54	2,477
Milan Pt.	5	-	-	-	-	-	-	-	-	-	2	-	1	2
Monroe	776	-	10	-	-	6	-	-	-	-	17	7	39	697
Balance of County	1,927	-	69	-	1	24	-	-	-	19	14	8	14	1,778
MONTCALM	214	-	-	-	-	14	-	2	-	2	5	2	54	135
Greenville	28	-	-	-	-	-	-	-	-	-	2	-	26	-
Balance of County	186	-	-	-	-	14	-	2	-	2	3	2	28	135
MONTMORENCY	45	-	6	-	-	6	1	-	-	1	-	1	2	28
MUSKEGON	1,251	-	5	-	4	37	3	2	-	7	34	21	508	630
Muskegon	843	-	2	-	4	18	2	1	-	-	22	18	408	368
Muskegon Heights	111	-	-	-	-	2	-	-	-	-	8	1	68	31
North Muskegon	5	-	-	-	-	1	-	-	-	-	1	-	2	1
Roosevelt Park	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Whitehall	4	-	-	-	-	-	-	-	-	-	-	-	4	-
Balance of County	287	-	3	-	-	15	1	-	-	7	3	2	26	230
NEWAYGO	34	-	-	-	1	6	-	-	-	1	1	4	21	-
Fremont	3	-	-	-	-	1	-	-	-	-	-	-	2	-
Balance of County	31	-	-	-	1	5	-	-	-	1	1	4	19	-

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

AREA	Total	Diphtheria	Streptococci sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum*	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
OAKLAND	11,498	-	304	-	3	306	19	12	-	41	166	133	1,417	9,097
Berkley	652	-	23	-	-	5	-	-	-	-	3	2	14	605
Beverly Hills	43	-	-	-	-	2	-	-	-	-	-	-	-	41
Birmingham	793	-	31	-	-	22	1	-	-	-	8	3	49	679
Clawson	239	-	3	-	-	6	-	-	-	-	5	1	5	219
Farmington	339	-	25	-	-	14	-	2	-	-	7	5	10	276
Ferndale	252	-	7	-	-	10	-	2	-	-	5	10	13	205
Hazel Park	167	-	8	-	-	11	-	1	-	-	6	4	19	118
Holly	35	-	-	-	-	1	-	-	-	-	2	1	8	22
Huntington Woods	78	-	4	-	-	2	-	-	-	-	2	1	3	66
Keego Harbor	27	-	-	-	-	1	-	-	-	-	2	-	-	19
Lake Orion	88	-	1	-	-	2	2	-	-	-	1	-	7	88
Lathrup Village	11	-	-	-	-	2	-	-	-	-	1	-	12	70
Madison Heights	512	-	18	-	1	4	-	-	-	-	1	-	-	10
Milford	85	-	5	-	-	-	-	-	-	-	3	5	26	455
Northville Pt.	7	-	2	-	-	-	-	-	-	-	2	4	14	60
Novi	47	-	-	-	-	1	-	-	-	-	1	-	-	3
Oak Park	413	-	18	-	-	-	-	-	-	-	1	-	1	45
Pleasant Ridge	22	-	-	-	1	27	3	-	-	-	6	1	10	347
Pontiac	2,181	-	31	-	-	1	-	1	-	-	-	-	2	18
Rochester	240	-	3	-	-	61	2	2	-	-	63	60	933	1,029
Royal Oak	895	-	22	-	-	7	-	-	-	-	5	3	22	200
Southfield	854	-	25	-	-	20	2	2	-	-	18	9	54	768
Troy	465	-	7	-	-	17	1	1	-	-	3	6	31	770
Walled Lake	540	-	16	-	-	4	-	-	-	-	8	5	22	419
Balance of County	2,513	-	54	-	1	75	7	1	-	41	14	10	144	2,166
OCEANA	48	-	1	-	-	21	-	-	-	2	8	1	8	7
OGENAW	15	-	1	-	-	1	-	-	-	1	1	4	7	-
ONTONAGON	35	-	1	-	-	-	-	-	-	2	-	2	2	28
OSCEOLA	18	-	-	-	-	2	-	-	-	1	2	2	11	-
OSCODA	5	-	-	-	-	-	-	-	-	-	1	3	1	-
OTSEGO	10	-	-	-	-	2	1	-	-	-	5	1	1	-
Gaylord	5	-	-	-	-	1	-	-	-	-	3	1	-	-
Balance of County	5	-	-	-	-	1	1	-	-	-	2	-	1	-
OTTAWA	838	-	173	-	6	49	25	1	-	4	10	14	105	451
Grand Haven	43	-	-	-	-	-	-	-	-	-	1	2	30	10
Holland Pt.	89	-	13	-	-	8	-	-	-	-	4	9	37	18
Hudsonville	6	-	-	-	-	-	-	-	-	-	1	1	4	-
Zeeland	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Balance of County	698	-	160	-	6	41	25	1	-	4	2	2	34	423
PRESQUE ISLE	17	-	1	-	-	1	-	-	-	2	-	1	4	8
Rogers City	3	-	-	-	-	-	-	-	-	-	-	-	2	1
Balance of County	14	-	1	-	-	1	-	-	-	2	-	1	2	7
ROSCOMMON	10	-	-	-	-	-	-	-	-	2	2	3	2	1
SAGINAW	1,027	-	51	-	6	29	6	2	-	5	58	65	371	434
Chesaning	5	-	-	-	-	-	-	-	-	-	2	-	3	-
Saginaw	709	-	4	-	3	20	2	1	-	1	43	59	348	228
Balance of County	313	-	47	-	3	9	4	1	-	4	13	6	20	206
ST. CLAIR	461	-	1	-	-	8	2	-	-	7	22	16	202	203
Algonac	12	-	-	-	-	-	-	-	-	-	-	1	4	7
Marine City	24	-	-	-	-	1	-	-	-	-	1	-	2	20
Marysville	5	-	-	-	-	-	-	-	-	-	-	-	3	2
New Baltimore Pt.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Huron	306	-	-	-	-	2	2	-	-	-	14	9	164	115
St. Clair	29	-	-	-	-	-	-	-	-	-	-	4	8	17
Balance of County	85	-	1	-	-	5	-	-	-	7	7	2	21	42
ST. JOSEPH	271	-	11	-	1	6	1	-	-	8	4	9	59	162
Sturgis	33	-	1	-	-	2	-	-	-	-	-	1	26	3
Three Rivers	159	-	7	-	-	2	1	-	-	-	1	5	14	129
Balance of County	79	-	3	-	1	2	-	-	-	8	3	3	29	30
SANILAC	15	-	-	-	-	2	-	-	-	-	2	3	5	3
SCHOOLCRAFT	2	-	-	-	-	-	-	-	-	-	-	-	2	-
Manistique	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance of County	2	-	-	-	-	-	-	-	-	-	-	-	2	-
SHIAWASSEE	103	-	20	-	-	13	1	-	-	6	5	10	25	23
Corunna	5	-	3	-	-	-	-	-	-	-	1	1	-	-
Durand	10	-	-	-	-	1	-	-	-	-	1	1	6	1
Owosso	56	-	12	-	-	4	1	-	-	-	-	6	13	20
Balance of County	32	-	5	-	-	8	-	-	-	6	3	2	6	2
TUSCOLA	169	-	5	-	-	12	-	1	-	7	4	8	22	110
Caro	38	-	2	-	-	1	-	-	-	-	2	-	4	29
Vassar	6	-	-	-	-	-	-	-	-	-	1	1	4	-
Balance of County	125	-	3	-	-	11	-	1	-	7	1	7	14	81

1969

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

AREA	Total	Diphtheria	Streptococcal sore throat (including scarlet fever)	Typhoid fever	Whooping cough	Hepatitis, infectious and serum**	Measles	Meningococcal infections	Poliomyelitis	Rheumatic fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases**
VAN BUREN	676	-	15	-	4	17	2	1	-	4	13	18	120	482
Paw Paw	66	-	1	-	-	5	-	-	-	-	1	-	9	50
South Haven	100	-	6	-	-	-	-	-	-	-	1	4	27	62
Balance of County	510	-	8	-	4	12	2	1	-	4	11	14	84	370
WASHTENAW	1,728	-	311	-	-	79	6	-	-	13	54	35	455	775
Ann Arbor	1,179	-	192	-	-	39	4	-	-	5	24	22	269	624
Chelsea	103	-	92	-	-	-	-	-	-	-	3	-	2	6
Milan Pt.	15	-	1	-	-	1	-	-	-	-	-	1	12	-
Ypsilanti	256	-	6	-	-	24	-	-	-	-	23	8	156	39
Balance of County	175	-	20	-	-	15	2	-	-	8	4	4	16	106
WAYNE	31,241	-	1,075	1	72	1,335	207	54	-	177	1,109	2,582	8,520	16,109
Allen Park	246	-	6	-	-	10	-	-	-	9	6	3	6	215
Dearborn	701	-	26	-	-	43	-	-	-	9	54	31	37	500
Detroit	20,346	-	412	1	69	915	192	43	-	105	883	2,348	7,884	7,494
Ecorse	102	-	1	-	-	2	-	-	-	-	9	22	21	47
Flat Rock	33	-	2	-	-	1	-	-	-	-	-	1	1	28
Garden City	440	-	11	-	-	20	-	1	-	-	9	3	12	384
Grosse Pointe	184	-	-	-	-	6	-	-	-	-	2	5	-	171
Grosse Pte. Farms	58	-	-	-	-	7	-	-	-	-	1	2	-	48
Grosse Pte. Park	73	-	-	-	-	11	-	-	-	-	1	1	3	57
Grosse Pte. Woods	69	-	1	-	-	8	-	-	-	-	16	-	2	57
Hamtramck	52	-	2	-	-	2	1	-	-	3	16	5	14	9
Harper Woods	114	-	-	-	-	11	-	1	-	-	1	2	1	98
Highland Park	785	-	7	-	1	21	3	-	-	1	14	36	166	536
Inkster	516	-	10	-	-	56	2	-	-	-	7	21	166	254
Lincoln Park	346	-	6	-	-	15	1	-	-	-	13	10	6	295
Livonia	916	-	47	-	-	41	-	2	-	-	8	5	10	803
Melvindale	56	-	-	-	-	-	1	-	-	-	2	2	6	45
Northville Pt.	103	-	20	-	-	2	-	-	-	-	3	9	10	59
Plymouth	466	-	334	-	-	9	-	1	-	-	2	13	13	94
River Rouge	319	-	3	-	-	4	-	-	-	-	7	12	27	266
Riverview	124	-	10	-	-	1	-	1	-	-	4	2	6	110
Southgate	224	-	13	-	-	1	-	-	-	-	1	3	3	198
Trenton	269	-	6	-	-	4	-	1	-	-	4	3	3	251
Wayne	127	-	7	-	-	10	1	-	-	-	4	6	27	72
Wyandotte	492	-	10	-	-	16	1	-	-	1	11	6	9	438
Balance of County	4,080	-	141	-	2	119	5	3	-	58	50	34	88	3,580
WEXFORD	13	-	-	-	-	2	-	-	-	4	-	-	6	-
Cadillac	6	-	-	-	-	1	-	-	-	-	-	1	4	-
Balance of County	7	-	-	-	-	1	-	-	-	4	-	-	2	-
State Hospitals	241	-	-	-	-	93	-	-	-	-	-	-	-	148

\* Three hundred and forty of these were serum hepatitis.

\*\* Includes:

Bites, Animal	22,779	Influenza	6,706	Ringworm	290
Chickenpox	10,169	Malaria	68	Rubella	4,307
Diarrhea of new born (under 28 days)	17	Menigitis, aseptic	179	Salmonella infections	539
Dysentery bacillary	300	Menigitis, influenzal	56	Scabies	12
Encephalitis, infectious	120	Menigitis, other	159	Staphylococcal infection (neonatal or postpartum)	8
Erysipelas	2	Mumps	5,215	Tetanus	6
Food Poisonings	13	Pediculosis	162	Trichinosis	1
Impetigo	632	Pink eye	174	Undulant Fever	1
Infectious Mononucleosis	361	Psittacosis	3	Weil's Diseases	1
		Rabies in animals	13		

TABLE 6 - ACCIDENTAL DEATHS BY CAUSE AND COUNTY OF RESIDENCE  
MICHIGAN, 1969(By place of residence. Cause of death classified according to Eighth Revision of International List, 1968, Extended Abbreviated 282 Causes.  
Rates per 100,000 population.)

COUNTY	TOTAL		Other transport accidents AE243 AE251-AE253	Motor vehicle accidents AE244- AE250	Accidental poisoning AE254- AE256	Accidental falls AE257- AE259	Accidents caused by fire and flames AE260	Accidental drowning and submersion AE261	Accidents caused by firearm missile AE263	Accidents mainly industrial type AE264- AE268	All other accidental causes AE262, AE269, AE270
	Number	Rate									
STATE	4,766	54.6	161	2,579	186	713	284	259	80	187	317
Alcona	6	93.8	-	5	-	-	-	-	-	-	1
Alger	8	97.6	-	5	-	2	1	-	-	-	1
Allegan	44	69.5	1	26	2	10	1	-	-	3	1
Alpena	13	43.0	-	9	1	2	1	-	-	-	-
Antrim	13	113.0	-	11	-	1	1	-	-	-	-
Arenac	13	122.6	-	6	-	2	-	4	-	-	1
Baraga	17	220.8	1	11	-	-	3	-	1	1	-
Barry	29	84.1	2	14	-	8	1	1	-	2	1
Bay	80	69.1	2	50	2	10	2	5	1	4	4
Benzie	12	144.6	1	4	1	1	4	-	-	-	1
Berrien	97	59.6	12	48	5	12	3	5	-	6	6
Branch	29	81.5	-	22	-	3	-	1	-	2	1
Calhoun	96	68.0	5	51	3	13	5	5	1	2	11
Cass	39	97.3	-	24	1	6	3	2	-	-	3
Charlevoix	13	78.8	1	4	-	2	-	2	-	3	1
Cheboygan	11	71.0	-	8	-	1	-	1	-	1	-
Chippewa	24	74.5	2	8	-	2	-	5	-	1	6
Clare	7	47.3	1	5	-	-	-	1	-	-	-
Clinton	25	53.1	2	18	-	2	-	2	-	-	1
Crawford	3	48.4	-	2	-	1	-	-	-	-	-
Delta	16	45.5	-	3	-	8	4	-	-	-	1
Dickinson	19	80.2	-	8	-	6	3	-	-	2	-
Eaton	40	61.3	3	20	1	8	2	1	1	3	1
Emmet	12	68.2	-	8	1	1	1	-	-	-	1
Genesee	270	60.9	14	168	6	28	5	18	6	3	22
Gladwin	10	83.3	-	8	-	-	-	-	-	1	1
Gogebic	11	54.5	-	6	-	3	-	-	-	-	2
Gd. Traverse	32	80.4	-	19	2	6	1	-	1	1	2
Gratiot	20	51.3	-	12	-	3	-	1	-	1	3
Hillsdale	24	66.7	-	14	1	4	3	-	-	1	1
Houghton	22	65.3	-	10	1	2	1	2	-	1	5
Huron	27	81.6	-	14	-	2	1	6	-	2	2
Ingham	95	37.0	6	41	1	19	7	8	1	3	9
Ionia	30	65.6	-	16	-	3	2	2	1	6	-
Iosco	19	84.4	4	10	1	2	2	1	-	-	1
Iron	9	65.7	1	3	-	1	-	1	-	1	2
Isabella	22	54.5	-	14	-	-	1	1	-	3	3
Jackson	79	55.6	2	38	10	6	6	3	3	6	5
Kalamazoo	97	49.8	1	57	1	21	1	2	1	2	11
Kalkaska	11	200.0	4	5	-	-	-	-	-	-	1
Kent	206	50.4	8	107	4	26	11	21	3	10	16
Keweenaw	4	190.5	-	1	-	-	3	-	-	-	-
Lake	8	166.7	1	6	-	-	-	-	-	1	-
Lapeer	48	94.1	1	30	-	5	7	1	-	-	4
Leelanau	4	40.0	-	3	-	-	-	-	-	-	1
Lenawee	65	80.5	2	38	-	5	7	2	2	4	5
Livingston	40	73.9	5	17	4	7	1	-	2	3	2
Luce	6	85.7	-	5	-	-	-	-	-	-	1
Mackinac	4	41.7	1	2	-	-	-	-	1	-	-
Macomb	227	36.8	11	118	14	28	11	18	5	7	15
Manistee	14	71.4	1	5	-	2	1	2	-	2	1
Marquette	26	41.5	1	11	1	4	-	3	1	5	-
Mason	13	58.8	-	9	-	2	-	-	-	-	1
Mecosta	19	72.8	2	13	-	2	1	-	-	-	1
Menominee	10	42.4	-	3	-	3	3	-	-	1	-
Midland	35	56.6	-	23	1	3	1	-	1	2	4
Missaukee	6	89.6	-	2	-	2	-	-	-	1	1
Monroe	61	52.9	2	35	4	5	3	1	1	5	5
Montcalm	35	87.3	1	20	2	7	2	1	-	1	1
Montmorency	1	22.2	-	1	-	-	-	-	-	-	-
Muskegon	73	46.9	2	38	2	11	4	7	1	4	4
Newaygo	22	82.1	-	14	1	3	2	-	-	-	2
Oakland	400	45.4	12	238	23	56	20	22	4	7	18
Oceana	18	106.5	-	12	1	4	-	1	-	-	-
Ogemaw	14	133.3	1	10	-	-	1	1	-	-	1
Ontonagon	15	144.2	-	10	-	1	-	1	-	2	1
Osceola	11	72.4	-	5	-	1	-	1	-	3	1
Oscoda	7	162.8	-	6	-	1	-	-	-	-	-
Otsego	6	58.3	-	2	-	2	1	-	-	-	1
Ottawa	60	49.1	1	39	1	6	2	6	1	3	1
Presque Isle	23	184.0	1	10	-	-	10	-	-	2	-
Roscommon	6	69.0	-	5	-	-	1	-	-	-	-
Saginaw	95	43.5	1	62	3	8	6	8	1	3	3
St. Clair	61	51.9	2	41	1	4	4	2	1	4	2
St. Joseph	33	71.4	1	17	2	9	1	-	-	3	-
Sanilac	24	70.4	1	21	-	-	-	-	-	-	2
Schoolcraft	8	101.3	-	4	-	1	-	1	-	1	-
Shiawassee	47	75.7	-	30	1	2	6	2	1	2	2
Tuscola	67	137.0	1	56	-	2	4	-	1	2	1
Van Buren	52	94.0	1	30	-	5	4	-	-	4	3
Washtenaw	93	41.8	4	62	2	11	3	4	1	1	5
Wayne	1,334	49.9	31	598	79	282	100	67	35	42	100
Wexford	21	108.2	-	15	-	2	-	1	1	1	1



















































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

Table with columns: CAUSE OF DEATH, INT. LIST NO., TOTAL NUMBER RATE, SEX MALE FEMALE, NON-WHITE, INFANT UNDER 1 DAY WEEK, 1-4 DAY WEEK, 5-9 DAY WEEK, 10-14 DAY WEEK, 15-19 DAY WEEK, 20-24 DAY WEEK, 25-29 DAY WEEK, 30-34 DAY WEEK, 35-39 DAY WEEK, 40-44 DAY WEEK, 45-49 DAY WEEK, 50-54 DAY WEEK, 55-59 DAY WEEK, 60-64 DAY WEEK, 65-69 DAY WEEK, 70-74 DAY WEEK, 75-79 DAY WEEK, 80-84 DAY WEEK, 85-89 DAY WEEK, 90 & OVER DAY WEEK, NOT STATED.





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

Table with columns for Cause of Death, Int. List No., Total, Sex (Male/Female), Non-White, Infant Under 1 Year, and Age (1-85+). Rows list various causes of death such as Active Rheumatic Fever, Myocardial Infarction, and Ischemic Heart Disease.

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

Table with 6 main columns: CAUSE OF DEATH, INT. LIST NO., TOTAL, SEX (MALE/FEMALE), NON-WHITE, and AGE (1-90). Sub-columns for AGE include IN-FANT UNDER 1 YEAR, DAY, WEEK, and 1-90. 'DEATH' column shows counts for ages 40-90. 'NOT STA. TED' column shows counts for ages 84-90.







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

Table with columns: CAUSE OF DEATH, INT. LIST NO., TOTAL NUMBER RATE, SEX MALE FEMALE, NON-WHITE, AGE (1-75), DEATH (76-90), and NOT STA-TED. Rows include various conditions like DISEASES OF ORAL CAVITY, GLOSSODYNIA, and APPENDICITIS with corresponding death counts.



















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

CAUSE OF DEATH	INT. LIST NO.	TOTAL	SEX		NON-WHITE	AGE	D E A T H																NOT STA. & OVER	
			MALE	FEMALE			1 DAY	1 WEEK	20 DAYS	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
OTHER DISEASES OF MUSCULOSKELETAL SYSTEM...730-738 CONTINUED	736 737 738	0 0 0	-	-	-	-	-																-	
							FLAT FOOT																	
							HALLUX VALGUS AND VARUS																	
							HALLUX VALGUS & UNSPECIFIED HALLUX																	
							HALLUX VALGUS																	
							OTHER DEFORMITIES																	
							OF NASAL BONE																	
							OF HEAD																	
							OF FOREARM, EXCLUDING FINGERS																	
OTHER DISEASES OF JOINTS AND TENDONS...739-748	739 740 741 742 743	0 0.4 0.4 0.2 0.7 0.3 0.1 0.1 0.1 0	-	-	-	-	-																-	
							OF FINGERS																	
							OF HAND																	
							OF TOES, EXCLUDING TOES, ACQUIRED																	
							OF TOES, NEC																	
							OF ANKLE AND FOOT, EXCLUDING TOES, ACQUIRED																	
							OF TOES, NEC																	
							OF OTHER SPECIFIED SITES																	
							OF UNSPECIFIED SITE																	
XIV CONGENITAL ANOMALIES	740 741 742 743	35 34 11 62	16 22 15 37	19 22 15 25	4 22 11 8	-	-																-	
							ANENCEPHALUS																	
							SPINA BIFIDA																	
							WITH HYDROCEPHALUS																	
							WITHOUT MENTION OF HYDROCEPHALUS																	
							CONGENITAL HYDROCEPHALUS																	
							OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM																	
							ENCEPHALOCELE																	
							MICROCEPHALUS																	
							OTHER SPECIFIED ANOMALIES OF BRAIN																	
OTHER CONGENITAL ANOMALIES OF NEUROLOGICAL SYSTEM...744-749	744 745	10 0	2 0	8 0	3 0	-	-																-	
							NEUROFIBROMATOSIS																	
							OTHER SPECIFIED ANOMALIES OF NERVOUS SYSTEM																	
							UNSPECIFIED ANOMALIES OF BRAIN, SPINAL CORD, AND NERVOUS SYSTEM																	
							CONGENITAL ANOMALIES OF EYE																	
							MICROPTALMOS																	
							BUPHTHALMOS																	
							CONGENITAL CATARACT																	
							COLDOBOMA																	
							ANIRIDIA																	
OTHER CONGENITAL ANOMALIES OF EYE...750-759	750 751 752 753 754 755 756 757 758 759	0 0 0 0 0 0 0 0 0 0	-	-	-	-	-																-	
							RETINITIS PIGMENTOSA																	
							CONGENITAL BLEPHAROPTOSIS																	
							UNSPECIFIED ANOMALIES OF EYE																	
							UNSPECIFIED ANOMALIES OF EYELID																	
							UNSPECIFIED ANOMALIES OF EYEBROW																	
							CONGENITAL ANOMALIES OF EAR, FACE, AND NECK																	
							ANOMALIES OF EAR CAUSING IMPAIRMENT OF HEARING																	
							ACCESSORY AURICLE																	
							OTHER SPECIFIED ANOMALIES OF EAR																	
OTHER CONGENITAL ANOMALIES OF HEAD AND NECK...760-769	760 761 762 763 764 765 766 767 768 769	0 0 0 0 0 0 0 0 0 0	-	-	-	-	-																-	
							UNSPECIFIED ANOMALIES OF EAR																	
							PREAURICULAR CYST, OR FISTULA																	
							WEBBING OF NECK																	
							OTHER SPECIFIED ANOMALIES OF FACE AND NECK																	
							UNSPECIFIED ANOMALIES OF FACE AND NECK																	
							CONGENITAL ANOMALIES OF HEART																	
							CORONARY ARTERY																	
							TRUNCUS OF GREAT VESSELS																	
							TETRALOGY OF FALLOT																	
OTHER CONGENITAL ANOMALIES OF HEART...770-779	770 771 772 773 774 775 776 777 778 779	28 21 1 1 1 1 1 13 32 137	16 7 0 0 15 11 79 32 17 10	12 19 6 12 11 11 13 21 58	6 7 1 1 2 3 11 11 27 58	-	-																-	
							VENTRICULAR SEPTAL DEFECT																	
							ATRIAL SEPTAL DEFECT																	
							OSTIUM ATRIOVENTRICULARE COMMUNE																	
							ANOMALIES OF HEART VALVE																	
							FIBROELASTOSIS CORDIS																	
							OTHER SPECIFIED ANOMALIES OF HEART																	
							UNSPECIFIED ANOMALIES OF HEART																	
							OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM																	
							PATENT DUCTUS ARTERIOSUS																	
OTHER CONGENITAL ANOMALIES OF AORTA...780-789	780 781 782 783 784 785 786 787 788 789	0 0 0 0 0 0 0 0 0 0	-	-	-	-	-																-	
							COARCTATION OF AORTA																	
							OTHER ANOMALIES OF AORTA																	
							STENOSIS OR ATRESIA OF PULMONARY ARTERY																	
							ANOMALIES OF GREAT VEINS																	

























































TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	SYPHILIS AND ITS SEQUELAE										A49 Hydrodosis	A48 Schistosomiasis	A47 Gonococcal infections
	A45 Other syphilis of central nervous system	A46 All other syphilis	A44 General paresis	A43 Tabes dorsalis	A42 Other cardiovascular syphilis	A41 Aneurysm of aortic specified as syphilitic	A40 Early syphilis, symptomatic	A39 Congenital syphilis	A38 Relapsing fever	A37 Trypanosomiasis			
OAKLAND													
BEVERLY HILLS													
BIRMINGHAM													
CLANSON													
FARMINGTON													
FERNDALE													
HAZEL PARK													
HUNTINGTON WOODS													
KEEGO HARBOR													
LAKE ORION													
LATHRUP VILLAGE													
MADISON HEIGHTS													
MILFORD													
MONTVILLE PT.													
NEW PLYMOUTH													
OAK PARK													
PLEASANT RIDGE													
PONTIAC													
ROCHESTER													
ROYAL OAK													
SOUTHFIELD													
WALLED LAKE													
BALANCE OF COUNTY													
OCEANA													
OGEON													
ONTONAGON													
OSCEOLA													
OSCODA													
OTSEGO													
OSHTON													
BALANCE OF COUNTY													
OTTAWA													
GRAND HAVEN													
HOLLAND PT.													
HUDSONVILLE													
INDIAN RIVER													
BALANCE OF COUNTY													
PRESQUE ISLE													
ROGERS CITY													
BALANCE OF COUNTY													
ROSCOMMON													
SAGINAW													
CHESEBROUGH													
SAGINAW													
BALANCE OF COUNTY													
ST. CLAIR													
ALGONAC													
MARINE CITY													
MARYSVILLE													
NEW BALTIMORE PT.													
PORT HURON													
ST. CLAIR													
BALANCE OF COUNTY													



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS																				
	BUCCAL CAVITY & PHARYNX					DIGESTIVE ORGANS & PERITONEUM					A71 Of peritoneum, retroperitoneal & unspecified digestive organs										
	A54 Of lip	A55 Of tongue	A56 Of other & unspecified parts of buccal cavity	A57 Of pharynx	Total	A58 Of esophagus	A59 Of stomach including duodenum	Sub Total	A61 Cecum, appendix & ascending colon	A62 Transverse colon, including hepatic & splenic flexures		A63 Descending colon	A64 Sigmoid colon	A65 Large intestine (including cecum) part unspecified	A66 Intestinal tract - part unspecified	A67 Of rectum & rectosigmoid junction	A68 Of liver & intra-hepatic bile ducts specified as primary	A69 Of gall bladder & bile ducts	A70 Of pancreas		
STATE	324	10	82	111	121	3,788	252	659	39	1,366	181	54	51	198	802	80	441	71	200	715	45
ALCONA	1					3															
ALGER	10					3															
MUNISING	16					5															
BALANCE OF COUNTY	9					7															
ALLEGAN	93	2	1	1	1	26		3		10	2	1	1	4	2		6		3	1	
HOLLAND PT.	12					4															
OTSEGO	1					1															
PLAINWELL	5					1															
BALANCE OF COUNTY	69	2	1	1	1	20		2		10	2	1	1	4	2		3		1	1	
ALPENA	45	1	1	1	1	17		3		6	1										
ALPENA	27					10		2		4	1										
BALANCE OF COUNTY	18					7		2		2	1										
ANTRIM	21	1				5		2		2											
AREMAC	11					5				1											
BARRAGA	17	1				6				4	1										
BARRY	48	1				11		1		3											
HASTINGS	11					3															
BALANCE OF COUNTY	37	1				8				3											
BAY	197	3	1	1	1	58		6		17	3			3	0		2		4	1	
BAY CITY	116	1				33		3		8	2			1	5		4		1	1	
ESSEVILLE	11					2		1		1											
BALANCE OF COUNTY	74	2	1	1	1	23		1		9	1			2	4		1		3	5	
BENZIE	23					6				2	1										
BERRIEN	263	4	1			73		7		19	1			7	13		5		2	10	
BELLEVILLE	45	1				12		2		2											
BELLEVILLE HARBOR	1					1															
BUCHANAN	46					3		2		1											
NILES	35					9		2		3											
ST. JOSEPH	20					6		3		2											
BALANCE OF COUNTY	157	3	1	1	2	43		3		10	1			4	7		3		4	2	
BRANCH	52	4				15		2		3											
BROWN WATER	12	1				4		1		1											
BROWN WATER	12	1				4		1		1											
BALANCE OF COUNTY	40	3	1	2	1	11		2		2											
CALHOUN	238	4				58		4		28	6		3	4	9		2		4	11	
ALBION	21					5		1		1											
BATTLE CREEK	102	4				27		3		16	5		1	2	4		3		3	2	
MARSHALL	15					4		1		1											
SPRINGFIELD	15					4		1		1											
BALANCE OF COUNTY	94					19		2		10	1		2	2	4		1		1	5	
CASS	71	1				20		3		9	4			3	2		2				
DOMAGTAC	12					4		1		3	1			1	2		2				
BALANCE OF COUNTY	59	1				16		3		6	3		1	2	2		2				
CHARLEVOIX	30	1				9		4		2											
ROYNE CITY	11					3		1		1											
CHARLEVOIX	14	1				3		2		1											
BALANCE OF COUNTY	31	1				7		1		3	1				2		1		2	2	
CHEBOYGAN	12					3		1		1											
CHEBOYGAN	12					3		1		1											
BALANCE OF COUNTY	19					3		1		3	1				2		1		2	2	



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS				DIGESTIVE ORGANS & PERITONEUM																				
	A50	A51	A52	A53	BUCCAL CAVITY & PHARYNX				OF LARGE INTESTINE, EXCEPT RECTUM											A67	A68	A69	A70	A71	
	Filarial infestations	Ancylomonstiasis	Other helminthiases	Other infective & parasitic diseases	Total	A54	A55	A56	A57	Total	A58	A59	A60	Sub Total	A61	A62	A63	A64	A65	A66	A67	A68	A69	A70	A71
						Of lip	Of tongue	Of other & unspecified parts of buccal cavity	Of pharynx		Of esophagus	Of stomach	Of small intestine, including duodenum		Cecum, appendix, & ascending colon	Transverse colon, including hepatic & splenic flexures	Descending colon	Sigmoid colon	Large intestine (including colon)	Intestinal tract - part unspecified	Rectum & rectosigmoid junction	Of liver & intra-hepatic bile ducts specified as primary	Of gall bladder & bile ducts	Of pancreas	Of peritoneum, unspecified & retroperitoneal tissue, digestive organs
MURON					57					20	3	9	1	6	3					2	1	3	1	1	1
BAD AXE					5					2	2	1	1	6	3					2	1	1	1	1	1
BALANCE OF COUNTY					52					18	2	6	1	6	3					2	1	1	1	1	1
INGHAM					286					72	9	8	3	29	4				16	2	5	4	4	16	1
EAST LANSING					185					47	3	4	2	22	3				11	2	4	3	2	4	1
LANSING					6					4	3	4	2	22	3				3	2	1	1	1	1	1
MASON					78					16	2	3	1	5	1				3	1	1	1	1	1	1
BALANCE OF COUNTY					17					3	3	1	1	5	3				2	1	2	1	1	1	1
IONIA					65					1	1	1	1	2	1				1	1	1	1	1	1	1
BELOIT					17					1	1	1	1	2	1				1	1	1	1	1	1	1
PORTLAND					17					1	1	1	1	2	1				1	1	1	1	1	1	1
PORTLAND					17					1	1	1	1	2	1				1	1	1	1	1	1	1
BALANCE OF COUNTY					39					8	1	1	1	3	2				1	1	2	1	1	1	1
TOSCO					29					9	1	3	1	4	1				3	1	1	1	1	1	1
IRON					28					7	1	3	1	1	1				1	1	1	1	1	1	1
IRON RIVER					5					1	1	1	1	1	1				1	1	1	1	1	1	1
BALANCE OF COUNTY					22					7	1	3	1	1	1				1	1	1	1	1	1	1
ISABELLA					45					9	1	2	1	2	1				2	1	2	1	1	1	1
MOUNT PLEASANT					19					6	1	2	1	2	1				2	1	2	1	1	1	1
BALANCE OF COUNTY					26					3	1	1	1	2	1				2	1	2	1	1	1	1
JACKSON					215					54	4	10	1	18	1				14	1	5	1	1	1	1
JACKSON					215					54	4	10	1	18	1				14	1	5	1	1	1	1
BALANCE OF COUNTY					108					2	3	3	1	6	1				8	1	4	1	1	1	1
KALAMAZOO					253					66	4	5	2	29	1				9	2	7	1	1	1	1
KALAMAZOO					124					33	1	1	1	19	1				11	2	4	1	1	1	1
BALANCE OF COUNTY					129					33	3	4	1	10	1				4	1	3	1	1	1	1
KALKASKA					7					2	1	1	1	1	1				1	1	1	1	1	1	1
KENT					581					173	12	28	5	55	7				36	1	21	3	9	36	4
EAST GRAND RAPIDS					13					4	1	1	1	1	1				1	1	1	1	1	1	1
GRAND RAPIDS					362					114	9	22	3	40	4				25	1	11	2	6	18	3
GRANDVILLE					7					5	1	1	1	1	1				1	1	1	1	1	1	1
LOWELL					6					3	1	1	1	1	1				1	1	1	1	1	1	1
LYONS					6					3	1	1	1	1	1				1	1	1	1	1	1	1
LYONS					6					3	1	1	1	1	1				1	1	1	1	1	1	1
LYONS					6					3	1	1	1	1	1				1	1	1	1	1	1	1
BALANCE OF COUNTY					131					29	2	5	2	9	3				5	1	6	1	1	5	1
KEWEEGAN					6					2	1	1	1	1	1				1	1	1	1	1	1	1
LAKE					15					6	1	2	1	4	1				4	1	1	1	1	1	1
LAPSE					62					20	2	2	2	4	1				1	2	3	1	1	1	1
LAPSE					62					20	2	2	2	4	1				1	2	3	1	1	1	1
BALANCE OF COUNTY					59					19	1	2	1	4	1				2	1	3	1	1	1	1
LEELANAU					21					8	1	1	1	3	1				1	1	2	1	1	1	1
LENAWEE					127					49	1	6	1	22	4				12	2	8	1	2	2	2
LENAWEE					40					14	1	1	1	10	2				0	1	2	1	1	1	1
BLETTSFIELD					7					1	1	1	1	1	1				1	1	1	1	1	1	1
HUDSON					3					1	1	1	1	1	1				1	1	1	1	1	1	1
TECUMSEH					8					3	1	1	1	1	1				1	1	1	1	1	1	1
BALANCE OF COUNTY					68					26	1	4	1	9	1				1	1	6	1	1	1	1
LIVINGSTON					77					22	1	5	1	8	2				3	1	3	1	1	1	1
LIVINGSTON					63					17	1	2	1	7	1				3	1	3	1	1	1	1
BALANCE OF COUNTY					10					4	1	1	1	1	1				1	1	1	1	1	1	1
LUCE					6					2	1	1	1	1	1				1	1	1	1	1	1	1
NEWBERRY					6					4	1	1	1	1	1				1	1	1	1	1	1	1
BALANCE OF COUNTY					4					2	1	1	1	1	1				1	1	1	1	1	1	1







TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS CONTINUED																							
	RESPIRATORY SYSTEM			BONE, CONNECTIVE TISSUE, SKIN & BREAST				GENITAL ORGANS				URINARY ORGANS			OTHER & UNSPECIFIED SITES									
	A72 Of larynx	A73 Of trachea, bronchus, & lung	A74 Of respiratory system	A75 Of bone	A76 Of connective & other soft tissue	A77 Of skin	A78 Of breast	Total	A79 Of cervix uteri	A80 Of uterus	A81 Of ovary, fallopian tube, & broad ligament	A82 Of other female genital organs	A83 Of prostate	A84 Of all other unspecified male genital organs	Total	A85 Of bladder	A86 Of other unspecified urinary organs	Total	A87 Of eye	A88 Of brain & other parts of nervous system	A89 Of thyroid gland	A90 Other		
STATE	2,724	124	2,554	46	1,471	74	69	130	1,198	1,447	250	216	354	40	738	49	640	284	1,313	13	368	26	906	
ALCONA	2		2		1				1															1
ALGER	2		2		1				1															3
BALCONING	2		2		1				1															2
BALANCE OF COUNTY	-		-		-				-															1
ALLEGAN	20		20		6				5						5									3
HOLLAND PT.	1		1		1				1															1
OTSEGO	2		2		1				1															1
OSHTON	2		2		1				1															1
BALANCE OF COUNTY	15		15		3				4						11									2
ALPENA	4		4		6				3						5									2
BALANCE OF COUNTY	3		3		3				1						4									1
ANTRIM	6		6		1				2						1									1
ARENAC	2		2		1				1						1									1
BARRA	6		6		1				1						2									1
BARRY	7		7		2				2						3									4
BALANCE OF COUNTY	7		7		2				2						2									5
BAY	35	3	32	18	2	14	2	2	14	26	3	1	5	2	15	1	12	5	26				22	
ESSEVILLE	23	2	21	8	1	1	1	2	1	14	2	1	2	2	0	0	2	2	15				13	
BALANCE OF COUNTY	11	1	10	9	1	8	1	1	3	12	1	1	3	1	7	1	3	2	11				7	
BENZIE	2		2		3				1						1									1
BERRIEN	56	2	54	34	2	28	2	4	28	26	5	2	4	1	12	1	12	4	22				18	
BENTON HARBOR	11		11		5				4						2								4	
BUCHANAN	1		1		1				1						1								1	
NILES	7		7		6				4						3								3	
ST. JOSEPH	7		7		1				1						1								1	
BALANCE OF COUNTY	30	2	28	21	1	17	1	4	17	15	3	3	3	1	6	1	6	2	14				10	
BRANCH	12		12		2				2	8	2		4		2									2
COLDWATER	4		4		2				1						1									2
BALANCE OF COUNTY	8		8		2				2	6	1		4		1									2
CALHOUN	49	6	43	29	2	24	2	2	24	31	2	1	9	1	18	1	14	6	31				21	
ALTON CREEK	12	1	11	4	1	4	2	4	4	2	2				2		4	2	4				2	
MARSHALL	15	2	13	11	1	8	1	1	8	12	1	1	4	1	7	1	9	3	12				10	
SPRINGFIELD	12	1	11	1	1	5	1	1	5	3					3		1	1	3				2	
BALANCE OF COUNTY	25	2	23	8	1	16	2	1	13	15	2	1	2	1	8	1	4	2	15				9	
CASS	11		11		11	2	1	3	10	10	2	1	5	1	2		5	1	6				2	
DOWAGIAC	1		1		3				3	1					2		5	1	4				1	
BALANCE OF COUNTY	10		10		8	2	1	5	9	9	2	1	4	1	2		5	1	4				1	
CHARLEVOIX	9		9		4				3	3					1		1		2				1	
BOYNE CITY	6		6		1				1						1		1		2				1	
BALANCE OF COUNTY	3		3		3				3	1			1	1	1		1		2				1	
CHEBOYGAN	8		8		3				2	3					2		2		2				2	
BALANCE OF COUNTY	3		3		2				1	2					2		2		1				1	



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

MALIGNANT NEOPLASMS - CONTINUED

AREA	RESPIRATORY SYSTEM											BONE, CONNECTIVE TISSUE, SKIN & BREAST					GENITAL ORGANS						URINARY ORGANS			OTHER & UNSPECIFIED SITES				
	Total	A77 Of larynx		A73 Of trachea, bronchus, & lung		A74 Of respiratory system		Total	A75 Of bone	A76 Of connective & other soft tissue	A77 Of skin	A78 Of breast	Total	A79 Of cervix uteri	A80 Of other parts of uterus	A81 Of ovary, fallopian tube, & broad ligament	A82 Of other & unspecified female genital organs	A83 Of prostate	A84 Of all other & unspecified male genital organs	Total	A85 Of bladder	A86 Of other & unspecified urinary organs	Total	A87 Of eye	A88 Of brain & other parts of nervous system	A89 Of thyroid gland	A90 Other			
		A72	A73	A74	A75	A76	A77																					A78	A79	A80
HURON	10		10								4	10	1	2	4	1	3			2	1	1	2				2			
BAD AXE	10		10								4	9	1	2	4	1	3			1	1	1	1				1			
BALANCE OF COUNTY	10		10								4	9	1	2	4	1	3			1	1	1	1				1			
INGHAM	51		47	2	2		34	2	2	2	28	47	7	7	10	1	1	1	1	11	4	7	30			1	20			
EAST LANSING	37		1	2	1		12	2	1	1	14	34	4	5	8	1	1	1	1	6	2	4	18			1	11			
LANSING	14		1	1	1		15	1	1	2	12	11	3	2	2	1	3			4	2	2	10			1	7			
BALANCE OF COUNTY	14		1	1	1		15	1	1	2	12	11	3	2	2	1	3			4	2	2	10			1	7			
IONIA	18		18				5	1	1	1	3	8	1	2	1	1	4			2	1	1	6				5			
BELDING	4		4				1	1	1	1	1	2	1	1	1	1	1			1	1	1	1				1			
IONIA	3		3				1	1	1	1	1	2	1	1	1	1	1			1	1	1	1				1			
PORTLAND	1		1				4	1	1	1	2	6	1	1	1	1	4			1	1	1	4				3			
BALANCE OF COUNTY	10		10				4	1	1	1	2	6	1	1	1	1	4			1	1	1	4				3			
TOSCO	10		9	1	2	1	2	1	1	1	1	2	1	1	1	1	1			1	1	1	1				2			
IRON	5		1	4			1	1	1	1	1	4	1	1	1	1	2			1	1	1	3				2			
BALANCE OF COUNTY	4		4				1	1	1	1	1	3	1	1	1	1	2			1	1	1	2				1			
ISABELLA	8		7	1	5		6	1	1	1	5	5	1	1	1	1	2			1	1	1	6			1	4			
MOUNT PLEASANT	2		2		2		1	1	1	1	1	3	1	1	1	1	2			1	1	1	1				3			
BALANCE OF COUNTY	6		5	1	1		6	1	1	1	4	5	1	1	1	1	2			1	1	1	6			1	4			
JACKSON	45		41	2	36		2	2	2	2	29	27	6	6	4	1	12			12	9	4	15			1	14			
JACKSON	15		13	2	22		2	2	2	2	16	12	2	3	3	1	6			5	5	2	7			1	5			
BALANCE OF COUNTY	30		28	2	14		1	1	1	1	13	15	2	2	2	1	6			7	7	2	6			1	9			
KALAMAZOO	48		47	1	37		2	2	2	4	31	32	6	6	7	2	11			15	9	6	23			6	17			
KALAMAZOO	21		20	1	16		1	1	1	2	13	14	2	2	3	1	6			7	5	2	14			1	11			
BALANCE OF COUNTY	27		27		21		1	1	1	2	18	18	4	4	4	1	5			8	4	4	9			3	6			
KALKASKA	1		1		1		1	1	1	1	1	2					1			1	1	1	1							
KENT	109		104	4	65		5	5	5	3	52	72	10	11	16	1	31			32	10	10	45			2	29			
EAST GRAND RAPIDS	61		57	4	2		2	2	2	2	2	1					1			2	2	2	2			1	1			
BALANCE OF COUNTY	61		57	4	1		1	1	1	1	1	2	8	10	9	1	16			18	12	6	27			2	18			
GRAND RAPIDS	1		1		1		1	1	1	1	1	1					1			1	1	1	1				1			
GRANDVILLE	1		1		1		1	1	1	1	1	1					1			1	1	1	1				1			
LOWELL	1		1		1		1	1	1	1	1	1					1			1	1	1	1				1			
SPARTA	1		1		1		1	1	1	1	1	1					1			1	1	1	1				1			
WYOMING	15		15		17		2	2	2	2	7	17	1	1	2	1	2			4	3	3	11			1	3			
BALANCE OF COUNTY	30		29	1	16		2	2	2	2	10	17	1	1	4	1	10			10	7	3	11			1	6			
KEMENAH	4		4		4		1	1	1	1	1	2					1			1	1	1	1							
LAKE	2		2		2		1	1	1	1	1	3					1			1	1	1	1				1			
LAPEER	10		8	2	5		1	1	1	1	3	12	1	2	1	1	8			4	3	3	5				5			
LAPEER	10		8	2	5		1	1	1	1	3	12	1	2	1	1	8			4	3	3	5				5			
BALANCE OF COUNTY	10		8	2	5		1	1	1	1	2	11	1	2	1	1	7			4	3	3	5				5			
LEELANAU	1		1		1		2	1	1	1	2	3					3			1	1	1	3				2			
LENAHEE	28		25	3	12		1	1	1	1	10	14	4	4	4	1	6			4	1	1	8			2	6			
ADRIAN	10		10		10		1	1	1	1	10	14	4	4	2	1	6			4	1	1	3				3			
BLISSFIELD	1		1		1		1	1	1	1	1	3	1	1	1	1	1			2	1	1	1				1			
HUNTER	1		1		1		1	1	1	1	1	3	1	1	1	1	1			2	1	1	1				1			
TECHNISE	1		1		1		1	1	1	1	1	3	1	1	1	1	1			2	1	1	1				1			
BALANCE OF COUNTY	13		12	1	5		1	1	1	1	4	9	3	2	2	1	4			2	2	2	5			2	3			
LIVINGSTON	16		16		10		10	1	1	2	8	7	2	2	1	1	2			5	2	3	7			1	5			
HOWELL	13		13		9		1	1	1	2	7	6	2	2	1	1	1			3	1	2	7			1	5			
BALANCE OF COUNTY	13		13		9		1	1	1	2	7	6	2	2	1	1	1			3	1	2	7			1	5			
LUCE	3		3		2		1	1	1	1	1	2					2			1	1	1	1				1			
NEWBERRY	2		2		2		1	1	1	1	1	2					2			1	1	1	1				1			
BALANCE OF COUNTY	1		1		1		1	1	1	1	1	2					2			1	1	1	1				1			

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

MALIGNANT NEOPLASMS CONTINUED

AREA	RESPIRATORY SYSTEM				BONE, CONNECTIVE TISSUE, SKIN & BREAST				GENITAL ORGANS				URINARY ORGANS				OTHER & UNSPECIFIED SITES							
	Total	A72 Of trachea & bronchus & lung	A73 Of trachea & bronchus	A74 Of respiratory system	Total	A75 Of bone	A76 Of connective & other soft tissue	A77 Of skin	A78 Of breast	Total	A79 Of cervix uteri	A80 Of other parts	A81 Of ovary, fallopian tube, & broad ligament	A82 Of other & unspecified female genital organs	A83 Of prostate	A84 Of all other & unspecified male genital organs	Total	A85 Of bladder	A86 Of other & unspecified urinary organs	Total	A87 Of eye	A88 Of brain & other parts of nervous system	A89 Of thyroid gland	A90 Other



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

Table with columns for Area, Respiratory System, Bone, Connective Tissue, Skin & Breast, Genital Organs, Urinary Organs, and Other & Unspecified Sites. Each site includes specific codes (A72-A90) and a total count for the area.









TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MALIGNANT NEOPLASMS CONTINUED				BENIGN NEOPLASMS & NEOPLASMS OF UNSPECIFIED NATURE								OTHER NEOPLASMS OF LYMPHATIC & HEMATOPOIETIC TISSUES			Total										
	A91 Lymphatic leukemia	A92 Myeloid leukemia	A93 Monocytic leukemia	A94 Other & unspecified leukemia	Total	A95 Lymphosarcoma & leukemia	A96 Hodgkin's disease	A97 Multiple myeloma	A98 All other	Grand Total	A99 Benign neoplasms of female genital organs	A100 Benign neoplasms of eye, brain, & other parts of nervous system	A101 Other benign neoplasms	A102 Neoplasms of unspeci- fied nature of female genital organs	A103 Neoplasms of unspeci- fied nature of eye, brain, & other parts of nervous system		A104 Other neoplasms of unspecified nature	A105 Nontoxic goiter	A106 Thyroidcancer with or without goiter	A107 All other diseases of thyroid gland	A108 Diabetes mellitus	A109 Diseases of pituitary gland	A110 Diseases of thyms gland	A111 Diseases of adrenal glands	A112 Niacin deficiency	A113 Other nutritional deficiencies & vitamin deficiencies
OAKLAND	10	2	1	1	82	26	16	12	28	11	1	1	2	1	1	1	1	2	151	1	1	1	1	1	1	10
BERKLEY	1	1	1	1	6	1	1	1	4	1										2						
BEVERLY HILLS	1	1	1	1	2			1	1	1										4						
BIRMINGHAM	1	1	1	1	2			1	1	1										2						
CLAMSON	1	1	1	1	2			1	1	1										4						
EMERSON	1	1	1	1	2			1	1	1										2						
FARMINGTON	1	1	1	1	2			1	1	1										4						
HAWKINS	1	1	1	1	2			1	1	1										2						
HAZEL PARK	1	1	1	1	2			1	1	1										4						
HOLLY	1	1	1	1	2			1	1	1										2						
HUNTINGTON HOODS	1	1	1	1	2			1	1	1										4						
KEEGO HARBOR	1	1	1	1	2			1	1	1										2						
LAKE ORION	1	1	1	1	2			1	1	1										4						
LAKEVIEW	1	1	1	1	2			1	1	1										2						
LATHROP VILLAGE	1	1	1	1	2			1	1	1										4						
LANE	1	1	1	1	2			1	1	1										2						
LATHROP HEIGHTS	1	1	1	1	2			1	1	1										4						
MILFORD	1	1	1	1	2			1	1	1										2						
MILFORD HEIGHTS	1	1	1	1	2			1	1	1										4						
NORTHVILLE PT.	1	1	1	1	2			1	1	1										2						
NOVI	1	1	1	1	2			1	1	1										4						
DAK PARK	1	1	1	1	2			1	1	1										2						
PLEASANT RIDGE	1	1	1	1	2			1	1	1										4						
PONTIAC	1	1	1	1	2			1	1	1										2						
ROCHESTER	1	1	1	1	2			1	1	1										4						
ROYAL OAK	1	1	1	1	2			1	1	1										2						
ROYAL OAK HIGHL.	1	1	1	1	2			1	1	1										4						
SOUTHFIELD	1	1	1	1	2			1	1	1										2						
TROY	1	1	1	1	2			1	1	1										4						
WALLED LAKE	1	1	1	1	2			1	1	1										2						
BALANCE OF COUNTY	12	7	2	1	21	7	5	4	5	4	1			2	1			1	41							
OCEANA	2	1	1	1	1			1	1										5							
OGEAN	2	1	1	1	1			1	1										7							
ONTONAGON	2	1	1	1	1			1	1										6							
OSCEOLA																			5							
OSCODA					2															2						
OTSEGO					1															4						
GAYLORO					1															2						
BALANCE OF COUNTY					1															2						
OTTAWA	8	4	3	1	7	2	2	2	1	2	1	1	1					2	27							
GRAND HAVEN	1	1	1	1	1			1	1	1									3							
HOLLAND PT.	1	1	1	1	1			1	1	1									3							
HUDSONVILLE	1	1	1	1	1			1	1	1									8							
ZEELAND	1	1	1	1	1			1	1	1									3							
BALANCE OF COUNTY	3	1	1	1	5	2	1	1	1	1								1	13							
PRESQUE ISLE	1	1	1	1	5	3		1	1	1									3							
SCARLETT CITY	1	1	1	1	4	2		1	1	1									3							
BALANCE OF COUNTY					4	2	1	1	1	1										1						
ROSCOMMON	2	1	1	1	4	2	1	1	1	1										1						
SAGINAW	14	6	2	6	23	8	4	4	7	3		2						1	44							
CHESaning	2	1	1	1	3														1							
SAGINAW	6	2	1	2	8	4	2	4	2	3		2							25							
BALANCE OF COUNTY					15	4	2	4	5	3		2							19							
ST. CLAIR	8	4	1	1	10	5		4	1	3	1	1	1					1	42							
ALGONAC	1	1	1	1	1			1	1	1									2							
MARINE CITY	1	1	1	1	1			1	1	1									2							
MARYSVILLE	1	1	1	1	1			1	1	1									2							
PLYMOUTH	3	1	1	1	4	1		3	1	1									10							
Plymouth	1	1	1	1	1			1	1	1									8							
ST. CLAIR	3	1	1	1	4	1		3	1	1									18							
BALANCE OF COUNTY					6	4	1	1	1	1									20							



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ANEMIAS				A115 All other endocrine & metabolic diseases	A114 Cystic fibrosis	A138 All other diseases of nervous system & sense organs
	A116 Deficiency anemias	A117 Hemolytic anemias	A118 Aplastic anemias	A119 Other & unspecified anemias			
STATE	147	42	45	34	178	25	236
ALCONA							1
ALGER							1
MUNISING							1
BALANCE OF COUNTY	1				2		3
ALLEGAN							1
ALLEGAN							1
HOLLAND PT.							1
OSHTAMO							1
PLATTWELL							1
BALANCE OF COUNTY	1				2		3
ALPENA							1
ALPENA							1
BALANCE OF COUNTY	1				1		2
ANTRIM							1
ARENAC							1
BARAGA							1
BARAGA							2
BARRY							1
BARRY							2
BALANCE OF COUNTY	1				1		3
BAY							1
BAY CITY							1
ESSEYVILLE							1
BALANCE OF COUNTY	1				1		2
BENZIE							1
BENZIE							1
BENTON HARBOR							1
BENTON HARBOR							2
BUCHANAN							1
BUCHANAN							1
WILES							1
WILES							1
W. JOSEPH							1
BALANCE OF COUNTY	2				2		4
BRANCH							1
BRANCH							2
COLDWATER							1
BALANCE OF COUNTY	2				2		3
CALHOUN							1
CALHOUN							2
ALBION							1
BATTLE CREEK							1
MARSHALL							1
SPRINGFIELD							1
BALANCE OF COUNTY	1				2		3
CASS							1
SHAGIAC							1
BALANCE OF COUNTY	1				1		2
CHARLEVOIX							1
CHARLEVOIX							1
BOYNE CITY							1
CHARLEVOIX							1
BALANCE OF COUNTY	1				1		2
CHEBOYGAN							1
CHEBOYGAN							1
BALANCE OF COUNTY	1				1		2



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	ANEMIAS				A115 All other endocrine & metabolic diseases	A114 Cystic fibrosis	A1138 All other diseases of nervous system & sense organs
	A116 Deficiency anemias	A117 Hemolytic anemias	A118 Aplastic anemias	A119 Other & unspecified anemias			
HURON							
LAXE							
BALANCE OF COUNTY							
INGHAM							
EAST LANSING							
LANSING							
MASON							
BALANCE OF COUNTY							
TONIA							
BELOING							
PORTLAND							
IONIA							
BALANCE OF COUNTY							
IOSCO							
IRON							
IRON RIVER							
BALANCE OF COUNTY							
ISABELLA							
PLEASANT							
BALANCE OF COUNTY							
JACKSON							
BALANCE OF COUNTY							
KALAMAZOO							
BALANCE OF COUNTY							
KALKASKA							
KENT							
EAST GRAND RAPIDS							
GRAND RAPIDS							
GRANDVILLE							
LOWELL							
SPARTA							
WYOMING							
BALANCE OF COUNTY							
KENESEAW							
LAKE							
LAPEER							
BALANCE OF COUNTY							
LEELANAU							
LENAHEE							
ADRIAN							
BLISSFIELD							
HUDSON							
TECUMSEH							
BALANCE OF COUNTY							
LIVINGSTON							
HONELL							
BALANCE OF COUNTY							
LUCE							
SHERRILL							
BALANCE OF COUNTY							
A114 Cystic fibrosis							
A115 All other endocrine & metabolic diseases							
Grand Total							
A116 Deficiency anemias							
A117 Hemolytic anemias							
A118 Aplastic anemias							
A119 Other & unspecified anemias							
A120 Purpura & other hemorrhagic conditions							
A121 All other diseases of blood & blood-forming organs							
A122 Senile & presenile dementias							
A123 Alcoholic psychoses							
A124 All other psychoses							
A125 Alcoholism							
A126 Other nervous personality disorders & non-psychotic mental disorders							
A127 Mental retardation							
A128 Meningitis							
A129 Hereditary neuro-muscular disorders							
A130 Multiple sclerosis							
A131 Paralysis agitans							
A132 Cerebral palsy infantile paralysis							
A133 Epilepsy							
A134 Inflammatory diseases of eye							
A135 Cataract							
A136 Glaucoma							
A137 Otitis media & mastoiditis							
A138 All other diseases of nervous system & sense organs							







TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES																			
	DISEASES OF HEART				CHRONIC RHEUMATIC HEART				HYPERTENSIVE HEART			ISCHEMIC HEART DISEASE				CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY				
	A139 Active rheumatic heart disease	Sub Total	A140 Diseases of mitral valve	A141 Diseases of aortic valve	A142 Diseases of other endocardial structures	A143 Other rheumatic heart diseases	Sub Total	A146 Hypertensive heart disease - no mention of renal disease	A148 Hypertensive heart & renal disease	Sub Total	A149 Acute myocardial infarction	A150 Other acute or sub-acute forms of ischemic heart disease	A151 Chronic ischemic heart disease	A152 Angina pectoris	A153 Asymptomatic ischemic heart disease	Sub Total	A156 Mitral valve, nonrheumatic	A157 Aortic valve, nonrheumatic	A158 Other endocardial structures	A160 Other myocardial insufficiency
STATE	39,689	29,396	7	663	177	157	30	299	668	468	200	113	11,102	10	174	43	2	7	34	131
ALCONA	78	51	-	-	-	-	-	-	1	1	-	48	31	1	16	-	-	-	-	-
ALGER	61	41	-	-	-	-	-	-	-	-	33	17	16	-	-	-	-	-	-	-
MUNISING	27	17	-	-	-	-	-	-	-	-	11	8	3	-	-	-	-	-	-	-
BALANCE OF COUNTY	34	24	-	-	-	-	-	-	-	-	22	9	13	-	-	-	-	-	-	-
ALLEGAN	343	241	-	-	-	-	-	-	8	6	2	219	144	-	74	-	-	-	-	-
ALBION	33	25	-	-	-	-	-	-	2	2	2	22	12	-	10	-	-	-	-	-
HOLLAND PT.	38	25	-	-	-	-	-	-	1	1	1	4	4	-	6	-	-	-	-	-
OTSEGO	25	19	-	-	-	-	-	-	1	1	1	14	6	-	4	-	-	-	-	-
PLAINFIELL	14	10	-	-	-	-	-	-	1	1	1	10	6	-	4	-	-	-	-	-
BALANCE OF COUNTY	265	183	-	-	-	-	-	-	6	4	2	167	114	-	52	-	-	-	-	-
ALPENA	182	126	-	-	-	-	-	-	6	5	1	115	42	-	72	-	-	-	-	-
ALPENA	106	69	-	-	-	-	-	-	5	4	1	61	19	-	42	-	-	-	-	-
BALANCE OF COUNTY	76	57	-	-	-	-	-	-	1	1	1	54	23	-	30	-	-	-	-	-
ANTRIM	103	67	-	-	-	-	-	-	-	-	-	65	40	-	25	-	-	-	-	-
ARENAC	72	56	-	-	-	-	-	-	1	1	-	50	29	-	21	-	-	-	-	-
BARAGA	61	44	-	-	-	-	-	-	-	-	40	34	6	-	-	-	-	-	-	-
BARRY	170	133	-	-	-	-	-	-	2	1	1	128	75	-	52	-	-	-	-	-
HASTINGS	37	28	-	-	-	-	-	-	1	1	1	27	15	-	11	-	-	-	-	-
BALANCE OF COUNTY	133	105	-	-	-	-	-	-	2	1	1	101	60	-	41	-	-	-	-	-
BAY CITY	566	418	-	-	-	-	-	-	5	2	3	390	257	-	129	-	-	-	-	-
BAY CITY	543	295	-	-	-	-	-	-	3	2	1	241	152	-	86	-	-	-	-	-
ESSEXVILLE	145	105	-	-	-	-	-	-	1	1	1	16	11	-	5	-	-	-	-	-
BALANCE OF COUNTY	198	145	-	-	-	-	-	-	1	1	1	133	94	-	38	-	-	-	-	-
BENZIE	78	60	-	-	-	-	-	-	1	1	-	55	28	-	27	-	-	-	-	-
BERRIEN	894	617	-	-	-	-	-	-	17	13	4	568	293	-	273	-	-	-	-	-
BENTON HARBOR	150	103	-	-	-	-	-	-	3	3	1	97	37	-	60	-	-	-	-	-
BIRCHMAN	109	75	-	-	-	-	-	-	1	1	1	13	8	-	5	-	-	-	-	-
RILES	109	77	-	-	-	-	-	-	1	1	1	20	12	-	26	-	-	-	-	-
ST. JOSEPH	78	54	-	-	-	-	-	-	1	1	1	51	25	-	36	-	-	-	-	-
BALANCE OF COUNTY	533	370	-	-	-	-	-	-	5	6	3	337	183	-	154	-	-	-	-	-
BRANCH	211	160	-	-	-	-	-	-	2	2	1	148	88	-	60	-	-	-	-	-
COLUMBET	65	47	-	-	-	-	-	-	1	1	1	45	24	-	21	-	-	-	-	-
BALANCE OF COUNTY	146	113	-	-	-	-	-	-	2	2	1	103	64	-	39	-	-	-	-	-
CALHOUN	697	512	-	-	-	-	-	-	21	9	12	459	268	-	188	-	-	-	-	-
ALBION	47	36	-	-	-	-	-	-	1	1	1	32	19	-	11	-	-	-	-	-
BATTLE CREEK	335	247	-	-	-	-	-	-	10	5	5	224	129	-	94	-	-	-	-	-
MARSHALL	41	24	-	-	-	-	-	-	15	11	4	19	12	-	7	-	-	-	-	-
SPRINGFIELD	10	8	-	-	-	-	-	-	1	1	1	6	4	-	2	-	-	-	-	-
BALANCE OF COUNTY	264	197	-	-	-	-	-	-	3	3	1	178	104	-	74	-	-	-	-	-
CASS	218	153	-	-	-	-	-	-	4	3	1	137	90	-	47	-	-	-	-	-
DOMAGIAC	41	26	-	-	-	-	-	-	1	1	1	25	19	-	6	-	-	-	-	-
BALANCE OF COUNTY	177	127	-	-	-	-	-	-	4	3	1	112	71	-	41	-	-	-	-	-
CHARLEVITY	100	65	-	-	-	-	-	-	3	2	1	55	27	-	27	-	-	-	-	-
CHARLEVITY	12	13	-	-	-	-	-	-	1	1	1	13	6	-	7	-	-	-	-	-
CHARLEVITY	13	12	-	-	-	-	-	-	1	1	1	11	14	-	4	-	-	-	-	-
BALANCE OF COUNTY	60	38	-	-	-	-	-	-	5	2	1	31	14	-	16	-	-	-	-	-
CHEBOYGAN	95	68	-	-	-	-	-	-	1	1	1	67	45	-	22	-	-	-	-	-
CHEBOYGAN	37	26	-	-	-	-	-	-	1	1	1	26	16	-	10	-	-	-	-	-
BALANCE OF COUNTY	58	42	-	-	-	-	-	-	1	1	1	41	29	-	12	-	-	-	-	-

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES																							
	DISEASES OF HEART				ISCHEMIC HEART DISEASE					CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY														
	CHRONIC RHEUMATIC HEART				HYPERTENSIVE HEART		Sub Total			Sub Total			Sub Total			Sub Total								
	A139 Active rheumatic heart disease	A140 Diseases of mitral valve	A141 Diseases of aortic valve	A142 Diseases of other structures	A143 Other rheumatic structures	A144 Hypertensive heart disease - no mention of renal disease	A145 Hypertensive heart disease	A146 Hypertensive heart disease	A147 Renal disease	A148 Renal disease	A149 Acute myocardial infarction	A150 Other acute or sub- acute forms of isch- emic heart disease	A151 Chronic ischemic heart disease	A152 Angina pectoris	A153 Asymptomatic isch- emic heart disease	Sub Total	A154 Mitral valve, nonrheumatic	A155 Aortic valve, nonrheumatic	A156 Other structures	A157 Other structures	Sub Total			
CHIPPENAW	143	1	1	1	1	4	3	1	1	77	1	52			1					1				
SAULT STE. MARIE	116	1	1	1	1	4	3	1	1	64	1	84			1					1				
BALANCE OF COUNTY	69	1	1	1	1	1	1	1	1	32	1	33			1					1				
CLARE	114	3	1	1	1	2	2	1	1	50	1	36			1					1				
CLINTON	193	2	1	1	1	3	3	3	3	74	1	62			1					1				
ST. JOHNS	41	1	1	1	1	1	1	1	1	28	1	17			1					1				
BALANCE OF COUNTY	152	1	1	1	1	1	1	1	1	64	1	45			1					1				
CRAWFORD	38	1	1	1	1	1	1	1	1	18	1	4			1					1				
DELTA	239	4	2	1	1	2	2	2	2	101	1	59			1					1				
ESCAMABA	104	2	1	1	1	1	1	1	1	66	1	30			1					1				
GLADSTONE	35	1	1	1	1	1	1	1	1	28	1	11			1					1				
BALANCE OF COUNTY	100	1	1	1	1	1	1	1	1	48	1	18			1					1				
DICKINSON	152	2	1	1	1	4	2	2	2	52	1	44			1					1				
IRON MOUNTAIN	61	1	1	1	1	1	1	1	1	45	1	19			1					1				
KINGSFORD	33	1	1	1	1	1	1	1	1	20	1	14			1					1				
NORWAY	22	1	1	1	1	1	1	1	1	13	1	9			1					1				
BALANCE OF COUNTY	36	1	1	1	1	4	2	2	2	11	1	7			1					1				
EATON	274	6	2	1	1	4	3	1	3	105	1	62			1					1				
CHARLOTTE	64	1	1	1	1	3	1	1	1	37	1	18			1					1				
EATON RAPIDS	29	2	1	1	1	1	1	1	1	17	1	6			1					1				
GRAND LEDGE	21	1	1	1	1	1	1	1	1	13	1	6			1					1				
BALANCE OF COUNTY	160	4	1	1	1	4	1	1	1	64	1	36			1					1				
EMMET	107	1	1	1	1	1	1	1	1	30	2	40			1					1				
PETOSKEY	38	1	1	1	1	1	1	1	1	26	1	15			1					1				
BALANCE OF COUNTY	65	1	1	1	1	1	1	1	1	46	1	25			1					1				
GENESSEE	1,687	2	8	9	1	18	12	6	6	792	3	379			1					1				
DAVISON	18	1	1	1	1	1	1	1	1	12	1	3			1					1				
FENTON	44	1	1	1	1	1	1	1	1	27	1	9			1					1				
FLINT	943	18	4	4	1	11	9	2	2	623	2	290			1					1				
HOSCHUNG	25	1	1	1	1	1	1	1	1	17	1	10			1					1				
MORRIS	17	1	1	1	1	1	1	1	1	10	1	7			1					1				
SWARTZ CREEK	10	1	1	1	1	1	1	1	1	5	1	4			1					1				
BALANCE OF COUNTY	632	2	15	3	5	7	7	3	4	321	4	127			1					1				
GLADWIN	86	3	1	1	1	2	1	1	1	47	1	10			1					1				
GOBECIC	213	2	1	1	1	2	1	2	1	138	2	45			1					1				
OSHTON	30	1	1	1	1	2	2	1	1	19	1	6			1					1				
IRONWOOD	110	1	1	1	1	1	1	1	1	75	2	28			1					1				
WAKEFIELD	24	1	1	1	1	1	1	1	1	15	1	3			1					1				
BALANCE OF COUNTY	49	1	1	1	1	1	1	1	1	29	1	8			1					1				
GRAND TRAVERSE	209	5	1	1	1	4	1	1	1	100	1	66			1					1				
TRaverse CITY	175	3	1	1	1	1	1	1	1	82	1	28			1					1				
BALANCE OF COUNTY	115	3	1	1	1	2	1	1	1	84	1	28			1					1				
GRATIOT	204	1	3	3	3	10	4	6	6	121	94	27			2					2				
ALMA	44	1	1	1	1	4	1	3	3	21	16	5			1					1				
ITHACA	17	1	1	1	1	4	1	1	1	12	12	4			1					1				
ST. LOUIS	25	1	1	1	1	1	1	1	1	14	14	2			1					1				
BALANCE OF COUNTY	118	1	1	1	1	6	3	5	5	14	14	16			2					2				
HILLSDALE	198	2	1	1	1	1	1	1	1	80	1	52			1					1				
HILLSDALE	51	1	1	1	1	1	1	1	1	34	21	13			1					1				
BALANCE OF COUNTY	147	2	1	1	1	2	2	2	2	96	59	39			1					1				
Houghton	261	2	1	1	1	1	1	1	1	97	1	88			1					1				
Hancock	51	1	1	1	1	1	1	1	1	32	1	16			1					1				
Harrison	17	1	1	1	1	1	1	1	1	10	1	6			1					1				
Laurel	22	1	1	1	1	1	1	1	1	15	7	8			1					1				
BALANCE OF COUNTY	177	2	1	1	1	1	1	1	1	124	67	55			1					1				

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES															
	DISEASES OF HEART					ISCHEMIC HEART DISEASE				CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY						
	CHRONIC RHEUMATIC HEART				HYPERTENSIVE HEART	ISCHEMIC HEART DISEASE				CHRONIC DISEASE OF ENDOCARDIUM		Other myocardial insufficiency				
Grand Total	Sub Total				Sub Total	Sub Total				Sub Total		Sub Total	Sub Total			
	A139 Active rheumatic heart diseases	A140 Diseases of mitral valve	A141 Diseases of aortic valve	A142 Diseases of other structures	A143 Other rheumatic heart diseases	A146 Hypertensive heart disease - no mention of renal disease	A148 Hypertensive heart & renal disease	A149 Acute myocardial infarction	A150 Other acute or subacute forms of ischemic heart disease	A151 Chronic ischemic heart disease	A152 Angina pectoris	A153 Asymptomatic ischemic heart disease	A156 Mitral valve, nonrheumatic	A157 Aortic valve, nonrheumatic	A158 Other endocardial structures	A160 Other myocardial insufficiency
HURON	162	-	-	-	-	9	1	107	39	-	-	-	-	-	-	-
BAD AXE	27	-	-	-	-	9	1	146	20	-	-	-	-	-	-	-
BALANCE OF COUNTY	210	-	-	-	-	9	1	126	17	-	-	-	-	-	-	-
INGHAM	866	21	-	-	-	28	5	544	309	2	-	-	-	-	-	-
EAST LANSING	79	8	-	-	-	23	5	28	5	248	-	-	-	-	-	-
LANSING	562	4	-	-	-	18	3	365	204	2	-	-	-	-	-	-
MASON	15	7	-	-	-	1	1	8	3	5	-	-	-	-	-	-
BALANCE OF COUNTY	210	157	-	-	-	8	2	135	74	61	-	-	-	-	-	-
IONIA	219	3	-	-	-	2	2	141	87	1	-	-	-	-	-	-
BELDING	33	1	-	-	-	2	1	21	66	8	-	-	-	-	-	-
IONIA	48	1	-	-	-	1	1	34	20	14	-	-	-	-	-	-
PORTLAND	22	1	-	-	-	2	1	17	12	4	-	-	-	-	-	-
BALANCE OF COUNTY	116	73	-	-	-	2	2	66	39	27	-	-	-	-	-	-
IOSCO	125	88	-	-	-	3	3	72	48	24	-	-	-	-	-	-
IRON	119	75	-	-	-	3	3	65	44	21	-	-	-	-	-	-
IRON RIVER	30	24	-	-	-	1	1	16	11	-	-	-	-	-	-	-
BALANCE OF COUNTY	89	51	-	-	-	2	2	49	33	16	-	-	-	-	-	-
ISABELLA	142	107	-	-	-	1	1	102	56	46	-	-	-	-	-	-
MOUNT PLEASANT	62	32	-	-	-	1	1	31	20	11	-	-	-	-	-	-
BALANCE OF COUNTY	100	73	-	-	-	1	1	71	36	35	-	-	-	-	-	-
JACKSON	702	525	-	-	-	16	10	490	235	1	254	-	-	-	3	2
JACKSON	366	270	-	-	-	6	3	255	109	146	-	-	-	-	2	1
BALANCE OF COUNTY	336	255	-	-	-	10	7	235	126	1	108	-	-	-	1	1
KALAMAZOO	776	577	-	-	-	7	4	510	277	1	232	-	-	-	2	2
KALAMAZOO	327	256	-	-	-	5	1	220	144	1	184	-	-	-	1	1
BALANCE OF COUNTY	327	256	-	-	-	3	2	270	132	1	168	-	-	-	1	1
KALKASKA	27	20	-	-	-	1	1	19	14	5	-	-	-	-	-	-
KENT	1,861	1,343	-	-	-	25	15	1,233	668	6	599	-	-	-	3	2
EAST GRAND RAPIDS	127	82	-	-	-	15	10	21	12	9	-	-	-	-	1	1
GRAND RAPIDS	1,338	822	-	-	-	19	9	78	401	4	362	-	-	-	2	2
GRANDVILLE	15	7	-	-	-	2	1	26	14	2	-	-	-	-	-	-
LOHVELL	31	21	-	-	-	2	2	16	6	10	-	-	-	-	-	-
SPARTA	177	134	-	-	-	2	2	120	70	50	-	-	-	-	-	-
HYDING	408	298	-	-	-	3	3	275	162	2	111	-	-	-	-	-
BALANCE OF COUNTY	20	14	-	-	-	1	1	14	9	5	-	-	-	-	-	-
KEWEENAW	53	45	-	-	-	1	1	39	24	14	-	-	-	-	-	-
LAKE	201	148	-	-	-	1	1	138	91	46	-	-	-	-	-	-
LAPEER	44	36	-	-	-	1	1	34	21	12	-	-	-	-	-	-
BALANCE OF COUNTY	157	112	-	-	-	1	1	104	70	34	-	-	-	-	-	-
LEELANAU	64	51	-	-	-	1	1	49	35	14	-	-	-	-	-	-
LENAHEE	382	264	-	-	-	9	8	220	138	2	80	-	-	-	-	-
ADRIAN	130	92	-	-	-	1	1	76	46	1	29	-	-	-	-	-
BLISSFIELD	16	12	-	-	-	1	1	10	6	4	-	-	-	-	-	-
HUDSON	12	10	-	-	-	1	1	10	9	1	-	-	-	-	-	-
PELLA	156	129	-	-	-	7	7	107	68	1	38	-	-	-	-	-
BALANCE OF COUNTY	156	129	-	-	-	7	7	107	68	1	38	-	-	-	-	-
LIVINGSTON	214	144	-	-	-	3	1	128	86	42	-	-	-	-	-	-
HOMELL	38	31	-	-	-	1	1	29	20	9	-	-	-	-	-	-
BALANCE OF COUNTY	176	113	-	-	-	2	1	99	66	33	-	-	-	-	-	-
LUCE	35	30	-	-	-	1	1	26	19	7	-	-	-	-	-	-
MEMBERY	16	17	-	-	-	1	1	15	12	3	-	-	-	-	-	-
BALANCE OF COUNTY	16	17	-	-	-	1	1	15	12	3	-	-	-	-	-	-



TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	MAJOR CARDIOVASCULAR DISEASES																
	DISEASES OF HEART					ISCHEMIC HEART DISEASE					CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY						
	DISEASES OF HEART	HYPERTENSIVE HEART		CHRONIC RHEUMATIC HEART		SUBTOTAL		DISEASES OF HEART	ISCHEMIC HEART DISEASE		CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY		SUBTOTAL		CHRONIC DISEASE OF ENDOCARDIUM & OTHER MYOCARDIAL INSUFFICIENCY		
A139 Active rheumatic heart disease	A140 Diseases of mitral valve	A141 Diseases of aortic valve	A142 Diseases of other endocardial structures	A143 Other rheumatic heart disease	Sub Total	A146 Hypertensive heart disease--no heart failure	A148 Hypertensive heart disease	A149 Acute myocardial infarction	A150 Other forms of subacute forms of infarction	A151 Chronic ischemic heart disease	A152 Angina pectoris	A153 Asymptomatic left bundle branch disease	Sub Total	A156 Mitral valve, nonrheumatic	A157 Aortic valve, nonrheumatic	A158 Other endocardial structures	A160 Other myocardial insufficiency
OAKLAND	2,090	1	15	1	23	28	20	1,221	7	710			14	3	1	2	11
BERKLEY HILLS	64					1	1	31		19							
BEVERLY HILLS	93							50		19							
BIRMINGHAM	156					2	2	106		54							
CLANSON	39							23		4							
FARMINGTON	66					1	1	37		12							
FERNDALE	166					1	1	115		34							
HAZEL PARK	75					2	1	49		12							
HOLLY	22					1	1	14		2							
HUNTINGTON WOODS	27							13		6							
LAKE SHORE	27							18		6							
LAKE ORION	29							11		4							
LATHRUP VILLAGE	18							11		6							
MADISON HEIGHTS	78							58		19							
MILFORD	22							15		6							
NORTHVILLE PT.	-							7		4							
NOVI PARK	125					3	3	67		30							
ORCHARD	121					5	3	11		5							
PLEASANT RIDGE	272					3	5	245		116							
PONTIAC	390					4	2	220		143							
ROCHESTER	39					4	2	11		13							
ROYAL OAK	308					2	1	134		87							
SOUTHFIELD	183					1	1	95		23							
TROY	97					7	4	364		206							
WALLED LAKE	71							5		12							
WALTON	85					1	4	573		3							
BALANCE OF COUNTY	613					7	4	3		3							
OCEANA	102							68		37							
OGEWAH	108					2	1	56		37							
ONTONAGON	85							39		19							
OSCEOLA	107					1	1	73		38							
OSCODA	44							29		24							
OTSEGO	42							15		13							
GAYLORD	27							8		7							
BALANCE OF COUNTY	25							15		8							
OTTAWA	500					6	2	314		202							
GRAND HAVEN	77					3	3	46		33							
HOLLAND PT.	128					1	1	95		52							
HUDSONVILLE	16							17		12							
ZEELAND	57					3	2	132		99							
BALANCE OF COUNTY	242					1	1	1		53							
PRESQUE ISLE	89					4	4	35		25							
ROGERS CITY	22					4	4	17		10							
BALANCE OF COUNTY	67					4	4	43		25							
ROSCOMMON	94					1	1	60		38							
SAGINAW	964					12	9	640		374							
CHESANING	20					4	4	12		4							
SAGINAW	545					6	2	344		202							
BALANCE OF COUNTY	399					4	3	284		168							
ST. CLAIR	671					5	12	454		300							
WALTON	39					1	1	17		19							
WALTON CITY	28					1	1	25		19							
MARYSVILLE	21					1	1	13		11							
NEW BALTIMORE PT.	1					1	1	1		2							
PORT HURON	252					4	8	161		96							
ST. CLAIR	34					1	1	23		12							
BALANCE OF COUNTY	301					6	4	212		145							























TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	INFLUENZA AND PNEUMONIA					BRONCHITIS, EMPHYSEMA, & ASTHMA								PEPTIC ULCER										
	A177 Influenza	Total	A178 Viral pneumonia	A179 Bacterial pneumonia	A180 Acute interstitial pneumonia	A181 Pneumonia organism unspecified	A182 Pneumonia due to other & unspecified organisms	Grand Total	A183 Bronchitis unqualified	A184 Chronic bronchitis	A185 Emphysema	A186 Asthma	A187 Hypertrophy of tonsils & adenoids	A188 Empyema & abscess of lung	A189 Pleurisy	A190 Other chronic interstitial pneumonia	A191 Bronchiectasis	A192 Other diseases of respiratory system	A193 Diseases of teeth & supporting structures	Grand Total	A194 Ulcer of stomach	A195 Ulcer of duodenum	A196 Peptic ulcer, site unspecified	A197 Gastritis & duodenitis
OAKLAND	169	156	18	1	43	31	101	1	24	28	6	1	1	1	11	4	10	1	38	12	15	11	1	9
BERKLEY	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEVERLY HILLS	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BIRMINGHAM	10	9	1	1	5	3	4	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CLAMSON	2	2	1	1	2	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DANNINGTON	10	9	1	1	2	3	6	1	1	3	1	1	1	1	1	1	1	1	1	1	2	1	1	1
FERRISBURGH	2	2	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HAZEL PARK	2	2	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HOLLY	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HUNTINGTON WOODS	2	2	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KEEGO HARBOR	2	2	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LAKE ORION	2	2	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LATHRUP VILLAGE	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MADONNA HEIGHTS	5	5	1	1	2	2	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MILFORD	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NORTHVILLE PT.	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NOVI	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OAK PARK	7	6	1	1	4	2	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
PLEASANT RIDGE	2	2	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PONTIAC	25	25	4	3	7	10	17	2	2	14	1	1	1	1	1	1	2	1	8	2	4	2	2	2
ROCKFORD	3	3	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROYAL OAK	17	17	1	1	1	9	11	1	1	9	1	1	1	1	1	1	2	1	3	1	1	1	1	1
SOUTHFIELD	3	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TROY	3	3	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WALLED LAKE	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	56	53	9	2	10	32	40	1	5	31	3	2	1	1	4	1	3	1	15	6	3	6	1	2
OCEANA	4	3	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
OGEMAW	4	4	1	1	1	1	3	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
ONTONAGON	5	4	1	1	1	1	3	1	1	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1
OSCEOLA	5	4	1	1	1	1	3	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
OSCODA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OTSEGO	3	3	1	1	1	1	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GAYLORD	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OTAWA	25	21	3	1	4	12	16	1	2	14	1	1	1	1	2	1	1	1	7	2	5	1	1	1
PARADISE	4	4	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HOLLAND PT.	4	4	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HUDSONVILLE	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ZEELAND	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	14	14	3	1	2	7	9	1	1	6	1	1	1	1	1	1	1	1	4	1	1	1	1	1
PRESQUE ISLE	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROCKY HILL	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROSCOMMON	3	2	1	1	1	1	3	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
SAGINAW	54	53	13	3	14	19	34	4	4	28	2	1	1	1	1	1	4	1	15	7	5	3	1	4
CHEWANING	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SAGINAW	27	26	9	1	9	7	18	1	1	15	2	1	1	1	1	1	1	1	9	5	3	1	3	1
BALANCE OF COUNTY	27	27	4	3	5	12	14	3	3	11	1	1	1	1	1	1	1	1	6	2	2	2	2	1
ST. CLAIR	99	96	2	3	5	14	22	1	6	13	3	1	1	1	1	1	1	1	7	1	1	1	1	1
ALGONAC	3	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MARINE CITY	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MARYSVILLE	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
NEW BALDWIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PERU	15	15	2	1	5	6	9	1	2	6	1	1	1	1	1	1	1	1	2	1	1	1	1	1
ST. CLAIR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BALANCE OF COUNTY	15	15	1	1	3	4	6	1	2	6	1	1	1	1	1	1	1	1	5	1	1	1	1	1































TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (Continued)

AREA	Continued	A240 Other diseases of early infancy	A241 Scentify without mention of phycosis	A242 Symptoms & other ill-defined conditions	ACCIDENTS, ALL FORMS										ACCIDENTAL POISONING				ACCIDENTAL FALLS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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					A244	A245	A246	A247	A248	A249	A250	A251	A252	A253	Total	A254	A255	A256	Total	A257	A258	A259	A260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TABLE 9 - LIVE BIRTHS, DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES, AND RATES BY COUNTY: POPULATION MICHIGAN, 1969

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

AREA	POPULATION ESTIMATES July 1, 1969	LIVE BIRTHS				DEATHS				FETAL DEATHS		MARRIAGES		DIVORCES *	
		Occurrence Number	Residence Rate	Number	Rate	Occurrence Number	Residence Rate	Number	Rate	Residence Number	Ratio	Number	Rate Persons Married	Number	Rate Persons Divorced
STATE	8,734,000	163,920	18.8	165,760	19.0	75,944	8.7	76,693	8.8	2,175	13.1	90,999	20.8	28,347	6.5
Alcona	6,400	8	1.3	92	14.4	50	7.8	107	16.7	-	0	65	20.3	8	2.5
Alger	8,200	115	14.0	143	17.4	83	10.1	106	12.9	2	14.0	63	15.4	-	0
Allegan	63,300	815	12.9	1,242	19.6	438	6.9	601	9.5	26	20.9	607	19.2	176	5.6
Alpena	30,200	628	20.8	487	16.1	355	11.8	289	9.6	5	10.3	292	19.3	92	6.1
Antrim	11,500	3	0.3	202	17.6	87	7.6	171	14.9	3	14.9	113	19.7	36	6.3
Arenac	10,600	109	10.3	191	18.0	105	9.9	127	12.0	2	10.5	98	18.5	18	3.4
Baraga	7,700	182	23.6	152	19.7	130	16.9	129	16.8	3	19.7	78	20.3	15	3.9
Barry	34,500	415	12.0	626	18.1	247	7.2	312	9.0	2	3.2	398	23.1	147	8.5
Bay	115,700	2,244	19.4	2,206	19.1	1,093	9.4	1,070	9.2	26	11.8	1,174	20.3	349	6.0
Benzie	8,300	130	15.7	142	17.1	118	14.2	144	17.3	4	23.2	92	22.2	32	7.7
Berrien	162,800	3,380	20.8	3,515	21.6	1,546	9.5	1,632	10.0	38	10.8	2,598	31.9	597	7.3
Branch	35,600	662	18.6	625	17.6	389	10.9	386	10.8	6	9.6	435	24.4	120	6.7
Calhoun	141,200	2,963	21.0	2,711	19.2	1,504	10.7	1,350	9.6	36	13.3	1,599	22.6	693	9.8
Cass	40,100	226	5.6	884	22.0	239	6.0	423	10.5	4	4.5	441	22.0	127	6.3
Charlevoix	16,500	140	8.5	292	17.7	137	8.3	181	11.0	4	13.7	162	19.6	37	4.5
Cheboygan	15,500	263	17.0	305	19.7	145	9.4	174	11.2	1	3.3	152	19.6	29	3.7
Chippewa	32,200	668	20.1	644	20.0	314	9.8	324	10.1	10	15.5	322	20.0	77	4.8
Clare	14,800	270	18.2	281	19.0	193	13.0	168	11.4	6	21.4	165	22.3	47	6.4
Clinton	47,100	191	4.1	970	20.6	205	4.4	348	7.4	13	13.4	371	15.8	121	5.1
Crawford	6,200	225	36.3	101	16.3	122	19.7	71	11.5	4	39.6	69	22.3	17	5.5
Delta	35,200	639	18.2	616	17.5	388	11.0	441	12.5	9	14.6	384	21.8	60	3.4
Dickinson	23,700	444	18.7	313	13.2	415	17.5	297	12.5	2	6.4	294	24.8	46	3.9
Eaton	65,300	633	9.7	1,254	19.2	375	5.7	543	8.3	14	11.2	593	18.2	159	4.9
Emmet	17,600	642	36.5	319	18.1	335	19.0	191	10.9	2	6.3	212	24.1	53	6.0
Genesee	443,700	9,830	22.2	9,535	21.5	3,299	7.4	3,302	7.4	119	12.5	4,710	21.2	1,683	7.6
Gladwin	12,000	124	10.3	226	18.8	111	9.3	145	12.1	1	4.4	127	21.2	23	3.8
Gogebic	20,200	347	17.2	272	13.5	363	18.0	345	17.1	3	11.0	366	36.2	26	2.6
Gd. Traverse	39,800	1,103	27.7	660	16.6	736	18.5	394	9.9	9	13.6	412	20.7	122	6.1
Graziot	39,000	822	21.1	827	21.2	420	10.8	353	9.1	14	16.9	398	20.4	105	5.4
Hillsdale	36,000	377	10.5	651	18.1	284	7.9	362	10.1	6	9.2	383	21.3	-	0
Houghton	33,700	523	15.5	518	15.4	427	12.7	468	13.9	6	11.6	246	14.6	51	3.0
Huron	33,100	587	17.7	623	18.8	342	10.3	386	11.7	9	14.4	320	19.3	56	3.4
Ingham	257,000	6,819	26.5	5,462	21.3	1,892	7.4	1,720	6.7	64	11.7	3,268	25.4	1,078	8.4
Ionia	45,700	516	11.3	906	19.8	309	6.8	418	9.1	14	15.5	416	18.2	132	5.8
Iosco	22,500	565	25.1	547	24.3	212	9.4	216	9.6	6	11.0	205	18.2	42	3.7
Iron	13,700	121	8.8	133	9.7	189	13.8	196	14.3	-	0	143	20.9	18	2.6
Isabella	40,400	661	16.4	766	19.0	269	6.7	264	6.5	9	11.7	459	22.7	81	4.0
Jackson	142,000	2,630	18.5	2,531	17.8	1,271	9.0	1,306	9.2	33	13.0	1,456	20.5	536	7.5
Kalamazoo	194,800	3,929	20.2	3,667	18.8	1,652	8.5	1,491	7.7	25	6.8	2,135	21.9	717	7.4
Kalkaska	5,500	50	9.1	106	19.3	35	6.4	58	10.5	1	9.4	59	21.5	16	5.8
Kent	408,600	8,861	21.7	7,714	18.9	3,716	9.1	3,486	8.5	101	13.1	4,598	22.5	1,382	6.8
Keweenaw	2,100	-	0	28	13.3	12	5.7	36	17.1	-	0	14	13.3	2	1.9
Lake	4,800	1	0.2	77	16.0	32	6.7	103	21.5	1	13.0	64	26.7	15	6.3
Lapeer	51,000	1,091	21.4	996	19.5	364	7.1	397	7.8	12	12.0	473	18.5	115	4.5
Leelanau	10,000	46	4.6	161	16.1	53	5.3	107	10.7	-	0	65	13.0	29	5.8
Lenawee	80,700	1,760	21.8	1,590	19.7	739	9.2	766	9.5	16	10.1	1,014	25.1	255	6.3
Livingston	54,100	626	11.6	974	18.0	333	6.2	440	8.1	10	10.3	495	18.3	200	7.4
Luce	7,000	73	10.4	84	12.0	127	18.1	68	9.7	1	11.9	75	21.4	20	5.7
MacKinnac	9,600	93	9.7	134	14.0	76	7.9	93	9.7	3	22.4	78	16.3	25	5.2
Macomb	617,400	7,443	12.1	11,760	19.0	2,562	4.1	3,356	5.4	144	12.2	4,773	15.5	1,904	6.2
Manistee	19,600	307	15.7	314	16.0	234	11.9	255	13.0	1	3.2	181	18.5	31	3.2
Marquette	62,600	1,217	19.4	1,188	19.0	570	9.1	565	9.0	8	6.7	661	20.5	161	5.1
Mason	22,100	309	14.0	311	14.1	277	12.5	266	12.0	5	16.1	239	21.6	69	6.2
Mecosta	26,100	392	15.0	481	18.4	169	6.5	227	8.7	6	12.5	241	18.5	51	3.9
Menominee	23,600	374	15.8	355	15.0	268	11.4	279	11.8	6	16.9	471	39.9	31	2.6
Midland	61,800	1,527	24.7	1,422	23.0	320	5.2	361	5.8	17	12.0	583	18.9	172	5.6
Missaukee	6,700	1	0.1	106	15.8	24	3.6	75	11.2	1	9.4	68	20.3	19	5.7
Monroe	115,400	1,225	10.6	2,161	18.7	556	4.8	850	7.4	25	11.6	3,112	53.9	288	5.0
Montcalm	40,100	1,295	32.3	745	18.6	481	17.0	428	10.7	10	13.4	430	21.4	110	5.5
Montmorency	4,500	1	0.2	67	14.9	13	2.9	71	15.8	2	29.9	37	15.4	8	3.6
Muskegon	155,700	2,747	17.6	2,822	18.1	1,279	8.2	1,335	8.6	55	19.5	1,687	21.7	553	7.1
Newaygo	26,800	487	18.2	463	17.3	267	10.0	280	10.4	2	4.3	289	21.6	63	4.7
Oakland	880,400	16,569	18.8	16,096	18.3	5,822	6.6	5,784	6.6	160	9.9	8,085	18.4	3,285	7.5
Oceana	16,900	387	22.9	357	19.9	159	9.4	183	10.8	5	14.8	197	23.3	41	4.9
Ogemaw	10,500	302	28.8	155	14.8	241	23.0	185	17.6	2	12.9	125	23.8	28	5.3
Ontonagon	10,400	124	11.9	176	16.9	103	9.9	142	13.7	5	28.4	90	17.3	13	2.5
Osceola	15,200	170	11.2	245	16.1	124	8.2	169	11.1	3	12.2	181	23.8	-	0
Oscoda	4,300	3	0.7	57	13.3	35	8.1	75	17.4	2	35.1	43	20.0	8	3.7
Otsego	10,300	145	14.1	210	20.4	88	8.5	82	8.0	6	28.6	96	18.6	29	5.6
Ottawa	122,300	1,859	15.2	2,387	19.5	837	6.8	875	7.2	29	12.1	1,069	17.5	268	4.4
Presque Isle	12,500	170	13.6	215	17.2	134	10.7	172	13.8	1	4.7	96	15.4	16	2.6
Roscommon	8,700	1	0.1	113	13.0	55	6.3	144	16.6	5	44.2	89	20.5	39	9.0
Saginaw	218,200	4,693	21.5	4,536	20.8	1,999	9.2	1,803	8.3	63	13.9	2,094	19.2	622	5.7
St. Clair	117,600	2,058	17.5	2,162	18.4	1,084	9.2	1,184	10.1	17	7.9	1,294	22.0	353	6.0
St. Joseph	46,200	805	17.4	908	19.7	474	10.3	514	11.1	11					

TABLE 10 - LIVE BIRTHS BY LEGITIMACY AND IMMATURITY, FETAL DEATHS, DEATHS UNDER 1 YEAR BY AGE GROUPS, MATERNAL DEATHS, AND RATES BY COUNTY OF RESIDENCE MICHIGAN, 1969

(Illegitimate and immature birth ratios, fetal death ratios, and death rates under 1 year by age groups per 1,000 live births. Maternal death rates per 10,000 live births.)

AREA	LIVE BIRTHS				FETAL DEATHS		DEATHS										
	Total Number	Illegitimate		Immature*		Number	Ratio	I n f a n t			Maternal						
		Number	Ratio	Number	Ratio			Under 1 Day Number Rate	Under 1 Week Number Rate	Under 28 Days Number Rate	Under 1 Year Number Rate	Number	Rate				
STATE	165,760	16,329	98.5	12,971	78.3	2,175	13.1	1,562	9.4	2,313	14.0	2,550	15.4	3,356	20.2	27	1.6
Alcona	92	2	21.7	6	65.2	-	0	-	0	1	10.9	1	10.9	2	21.7	-	0
Alger	143	11	76.9	9	62.9	2	14.0	-	0	1	7.0	1	7.0	3	21.0	-	0
Allegan	1,242	73	58.8	89	71.7	26	20.9	10	8.1	15	12.1	18	14.5	25	20.1	-	0
Alpena	487	27	55.4	32	65.7	5	10.3	6	12.3	6	12.3	8	16.4	8	16.4	-	0
Antrim	202	12	59.4	10	49.5	3	14.9	2	9.9	4	19.8	4	19.8	5	24.8	-	0
Arenac	191	9	47.1	16	83.8	2	10.5	-	0	1	5.2	1	5.2	3	15.7	-	0
Baraga	152	12	78.9	6	39.5	3	19.7	2	13.2	2	13.2	2	13.2	4	26.3	-	0
Barry	626	50	79.9	43	68.7	2	3.2	6	9.6	8	12.8	9	14.4	15	24.0	-	0
Bay	2,206	128	58.0	149	67.5	26	11.8	12	5.4	21	9.5	25	11.3	32	14.5	1	4.5
Benzie	142	15	105.6	11	77.5	4	28.2	2	14.1	4	28.2	5	35.2	5	35.2	-	0
Berrien	3,515	373	106.1	259	73.7	38	10.8	35	10.0	47	13.4	56	15.9	74	21.1	1	2.8
Branch	625	41	65.6	40	64.0	6	9.6	10	16.0	13	20.8	15	24.0	17	27.2	-	0
Calhoun	2,711	306	112.9	215	79.3	36	13.3	28	10.3	44	16.2	46	17.0	64	23.6	-	0
Cass	884	38	43.0	59	66.7	4	4.5	7	7.9	9	10.2	10	11.3	11	12.4	-	0
Charlevoix	292	15	51.4	17	58.2	4	13.7	3	10.3	3	10.3	3	10.3	3	10.3	-	0
Cheboygan	305	15	49.2	21	68.9	1	3.3	2	6.6	3	9.8	4	13.1	7	23.0	-	0
Chippewa	644	37	57.5	37	57.5	10	15.5	7	10.9	9	14.0	9	14.0	11	17.1	1	15.5
Clare	281	19	67.6	19	67.6	6	21.4	1	3.6	2	7.1	2	7.1	4	14.2	-	0
Clinton	970	42	43.3	67	69.1	13	13.4	11	11.3	11	11.3	11	11.3	16	16.5	-	0
Crawford	101	9	89.1	8	79.2	4	39.6	-	0	-	0	-	0	2	19.8	-	0
Delta	616	40	64.9	33	53.6	9	14.6	7	11.4	9	14.6	9	14.6	12	19.5	-	0
Dickinson	313	17	54.3	20	63.9	2	6.4	3	9.6	4	12.8	4	12.8	4	12.8	-	0
Eaton	1,254	67	53.4	77	61.4	14	11.2	8	6.4	11	8.8	12	9.6	17	13.6	-	0
Emmet	319	26	81.5	30	94.0	2	6.3	1	3.1	3	9.4	3	9.4	3	9.4	-	0
Genesee	9,535	1,019	106.9	785	82.3	119	12.5	116	12.2	159	16.7	171	17.9	211	22.1	1	1.0
Gladwin	226	12	53.1	14	61.9	1	4.4	1	4.4	1	4.4	1	4.4	3	13.3	-	0
Gogebic	272	15	55.1	12	44.1	3	11.0	1	3.7	1	3.7	1	3.7	3	11.0	-	0
Gd. Traverse	660	53	80.3	47	71.2	9	13.6	10	15.2	13	19.7	14	21.2	18	27.3	-	0
Gratiot	827	47	56.8	49	59.3	14	16.9	6	7.3	7	8.5	7	8.5	10	12.1	-	0
Hillsdale	651	33	50.7	34	52.2	6	9.2	9	13.8	10	15.4	10	15.4	13	20.0	-	0
Houghton	518	24	46.3	40	77.2	6	11.6	4	7.7	12	23.2	14	27.0	16	30.9	-	0
Huron	623	30	48.2	31	49.8	9	14.4	2	3.2	4	6.4	4	6.4	7	11.2	-	0
Ingham	5,462	503	92.1	381	69.8	64	11.7	52	9.5	75	13.7	84	15.4	100	18.3	-	0
Ionia	906	46	50.8	49	54.1	14	15.5	7	7.7	12	13.2	15	16.6	20	22.1	-	0
Iosco	547	22	40.2	42	76.8	6	11.0	3	5.5	5	9.1	5	9.1	10	18.3	-	0
Iron	133	15	112.8	9	67.7	-	0	-	0	-	0	-	0	2	15.0	-	0
Isabella	766	41	53.5	41	53.5	9	11.7	7	9.1	10	13.1	12	15.7	13	17.0	-	0
Jackson	2,531	200	79.0	174	68.7	33	13.0	29	11.5	43	17.0	48	19.0	60	23.7	-	0
Kalamazoo	3,667	325	88.6	275	75.0	25	6.8	29	7.9	39	10.6	41	11.2	52	14.2	1	2.7
Kalkaska	106	6	56.6	5	47.2	1	9.4	-	0	2	18.9	2	18.9	2	18.9	-	0
Kent	7,714	728	94.4	528	68.4	101	13.1	58	7.5	95	12.3	103	13.4	143	18.5	1	1.3
Keweenaw	28	2	71.4	2	71.4	-	0	-	0	-	0	-	0	-	0	-	0
Lake	77	11	142.9	3	39.0	1	13.0	-	0	2	26.0	2	26.0	3	39.0	-	0
Lapeer	996	47	47.2	62	62.2	12	12.0	11	11.0	14	14.1	14	14.1	17	17.1	-	0
Leelanau	161	8	49.7	13	80.7	-	0	2	12.4	3	18.6	3	18.6	3	18.6	-	0
Lenawee	1,590	87	54.7	120	75.5	16	10.1	13	8.2	24	15.1	26	16.4	36	22.6	-	0
Livingston	974	64	65.7	64	65.7	10	10.3	10	10.3	14	14.4	14	14.4	17	17.5	-	0
Luce	84	4	47.6	8	95.2	1	11.9	-	0	2	23.8	2	23.8	2	23.8	-	0
Mackinac	134	13	97.0	7	52.2	3	22.4	-	0	1	7.5	3	22.4	4	29.9	-	0
Macomb	11,760	564	48.0	807	68.6	144	12.2	98	8.3	143	12.2	155	13.2	197	16.8	2	1.7
Manistee	314	19	60.5	25	79.6	1	3.2	2	6.4	3	9.6	3	9.6	5	15.9	-	0
Marquette	1,188	63	53.0	58	48.8	8	6.7	9	7.6	14	11.8	17	14.3	24	20.2	-	0
Mason	311	20	64.3	22	70.7	5	16.1	-	0	2	6.4	3	9.6	5	16.1	-	0
Mecosta	481	24	49.9	29	60.3	6	12.5	3	6.2	4	8.3	6	12.5	8	16.6	-	0
Menominee	355	8	22.5	21	59.2	6	16.9	6	16.9	9	25.4	9	25.4	11	31.0	-	0
Midland	1,422	45	31.6	87	61.2	17	12.0	13	9.1	16	11.3	16	11.3	23	16.2	-	0
Missaukee	106	6	56.6	6	56.6	1	9.4	3	28.3	3	28.3	3	28.3	3	28.3	-	0
Monroe	2,161	107	49.5	152	70.3	25	11.6	15	6.9	24	11.1	26	12.0	37	17.1	-	0
Montcalm	745	45	60.4	38	51.0	10	13.4	9	12.1	12	16.1	13	17.4	18	24.2	-	0
Montmorency	67	2	29.9	6	89.6	2	29.9	3	44.8	3	44.8	3	44.8	3	44.8	-	0
Muskegon	2,822	373	132.2	216	76.5	55	19.5	27	9.6	40	14.2	43	15.2	58	20.6	-	0
Newaygo	463	27	58.3	15	32.4	2	4.3	4	8.6	6	13.0	6	13.0	7	15.1	-	0
Oakland	16,096	1,108	68.8	1,143	71.0	160	9.9	128	8.0	190	11.8	204	12.7	275	17.1	1	0.6
Oceana	337	17	50.4	17	50.4	5	14.8	1	3.0	3	8.9	3	8.9	4	11.9	-	0
Ogemaw	155	8	51.6	7	45.2	2	12.9	1	6.5	2	12.9	2	12.9	6	38.7	-	0
Ontonagon	176	7	39.8	10	56.8	5	28.4	1	5.7	2	11.4	2	11.4	3	17.0	-	0
Oscoda	245	15	61.2	22	89.8	3	12.2	1	4.1	2	8.2	2	8.2	3	12.2	-	0
Oscoda	57	2	35.1	2	35.1	2	35.1	3	52.6	3	52.6	3	52.6	4	70.2	-	0
Otsego	210	4	19.0	4	19.0	6	28.6	3	14.3	4	19.0	5	23.8	6	28.6	-	0
Ottawa	2,387	104	43.6	106	44.4	29	12.1	12	5.0	20	8.4	23	9.6	29	12.1	-	0
Presque Isle	215	8	37.2	16	74.4	1	4.7	2	9.3	4	18.6	4	18.6	5	23.3	-	0
Roscommon	113	7	61.9	4	35.4	5	44.2	-	0	-	0	-	0	1	8.8	-	0
Saginaw	4,536	481	106.0	409	90.2	63	13.9	45	9.9	64	14.1	76	16.8	100	22.0	1	2.2
St. Clair	2,162	139	64.3	147	68.0	17	7.9	16	7.4	29	13						

TABLE 11 - LIVE BIRTHS, DEATHS, AND RATES BY OCCURRENCE AND RESIDENCE. LIVE BIRTHS BY SEX, COLOR, PLURALITY, PLACE OF DELIVERY, ATTENDANT AT BIRTH, LEGITIMACY, AND IMMATURITY BY RESIDENCE; FETAL DEATHS BY RESIDENCE; DEATHS BY COLOR, AGE GROUPS UNDER 1 YEAR, AND MATERNAL DEATHS BY RESIDENCE. POPULATION MICHIGAN, 1969

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

AREA	POPULATION ESTIMATES		LIVE BIRTHS												FETAL DEATHS										DEATHS						
	July 1, 1968		Occurrence			Residence						Place of Delivery			Residence			Occurrence				Residence			Infant			Maternal			
	Number	Rate	Number	Rate	Sex	Nonwhite	Number Born in Plural Births	Hospital Physi-cian	Non-Hospital Physi-cian	Other	Illig-itimacy	Immune-ness	Number	Rate	Number	Rate	Number	Rate	Nonwhite	Other	Under 1 Day	Under 1 Week	Under 1 Year	Under 1 Year	Year						
	Male	Female	Male	Female	Male	Female	Other	Physi-cian	Physi-cian	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other					
STATE	8,734,000	163.920	18.8	165,760	19.0	84,693	81,067	24,537	1,001	3,407	59	165,400	284	76	16,329	12,971	2,175	75,944	8.7	76,693	8.8	159	1,562	2,313	2,550	3,356	27				
ALCONA	6,400	8	1.3	92	14.4	51	41	-	4	-	-	87	5	-	2	6	-	50	7.8	107	16.7	-	-	-	-	-	-				
ALGER	8,200	115	14.0	143	17.4	66	77	-	6	-	-	143	-	-	11	3	-	70	10.1	106	12.9	1	-	-	-	-	-				
BALANCE OF COUNTY	-	115	-	68	-	39	29	-	4	-	-	68	-	-	5	6	-	13	-	55	-	1	-	-	-	-	-				
ALLEGAN	63,300	815	12.9	1,242	19.6	637	605	-	39	-	-	1,239	2	1	73	89	-	438	6.9	601	9.5	15	3	10	15	18	25				
ALLEGAN	-	370	-	0	-	17	11	-	2	-	-	83	-	-	8	11	-	3	-	154	-	3	-	-	-	-	-				
ALLEGAN	-	115	-	0	-	28	11	-	2	-	-	28	-	-	4	10	-	2	-	2	-	2	-	-	-	-	-				
ALLEGAN	-	298	-	61	-	39	54	-	2	-	-	93	-	-	4	10	-	1	-	7	-	2	-	-	-	-	-				
ALLEGAN	-	147	-	977	-	502	475	-	33	-	-	914	2	1	54	65	-	183	-	462	-	12	3	6	11	13	19				
BALANCE OF COUNTY	-	147	-	977	-	502	475	-	33	-	-	914	2	1	54	65	-	183	-	462	-	12	3	6	11	13	19				
ALPENA	30,200	628	20.8	487	16.1	250	237	-	4	-	-	485	-	2	27	32	-	355	11.8	289	9.6	-	-	-	6	6	8				
ALPENA	-	627	-	232	-	123	109	-	4	-	-	231	-	1	15	20	-	2	-	313	-	160	-	-	-	3	3	3			
BALANCE OF COUNTY	-	1	-	235	-	127	128	-	1	-	-	254	-	1	12	12	-	3	-	42	-	129	-	-	-	3	3	5			
ANTRIM	11,500	3	0.3	202	17.6	101	101	-	4	-	-	199	1	2	12	10	-	3	-	87	7.6	171	14.9	-	-	2	4	4			
AREMAC	10,600	109	10.3	191	18.0	100	91	-	4	-	-	190	-	1	9	16	-	2	-	105	9.9	127	12.0	-	-	1	1	3			
BARAGA	7,700	182	23.6	152	19.7	90	62	-	3	-	-	152	-	-	12	6	-	3	-	130	16.9	129	16.8	-	-	2	2	2			
BARRY	34,500	415	12.0	626	18.1	328	298	-	10	-	-	624	1	1	50	43	-	2	-	247	7.2	312	9.0	-	-	6	8	9			
BARRY	-	415	-	110	-	56	56	-	10	-	-	110	-	1	12	8	-	2	-	157	-	69	-	-	-	2	2	3			
BALANCE OF COUNTY	-	2	-	510	-	274	262	-	2	-	-	514	1	1	38	35	-	2	-	90	-	243	-	-	-	6	6	7			
BAY	115,700	2,244	19.4	2,206	19.1	1,166	1,040	-	43	-	-	2,201	5	-	128	149	-	26	-	1,093	9.4	1,070	9.2	-	-	12	21	25			
BAY	-	2,099	-	921	-	492	429	-	16	-	-	920	1	-	11	6	-	1	-	813	-	649	-	-	-	6	11	15			
BAY	-	143	-	1,179	-	612	567	-	2	-	-	1,177	2	-	42	71	-	16	-	276	-	374	-	-	-	6	9	11			
BALANCE OF COUNTY	-	143	-	1,179	-	612	567	-	2	-	-	1,177	2	-	42	71	-	16	-	276	-	374	-	-	-	6	9	11			
BENZIE	8,300	130	15.7	142	17.1	73	69	-	4	-	-	141	1	-	15	11	-	4	-	118	14.2	144	17.3	-	-	2	4	5			
BENZIE	-	3,380	-	3,515	-	1,764	1,751	-	56	-	-	3,504	9	2	373	259	-	380	-	1,546	-	1,632	-	-	-	4	5	6			
BENZIE	-	698	-	600	-	286	314	-	4	-	-	596	4	-	172	53	-	15	-	355	-	249	-	-	-	5	6	11			
BALANCE OF COUNTY	-	0	-	83	-	40	43	-	4	-	-	83	-	-	7	6	-	1	-	24	-	203	-	-	-	3	3	3			
BENNETT	8,200	789	9.6	411	50.0	203	208	-	14	-	-	411	-	-	20	6	-	1	-	264	-	203	-	-	-	5	7	8			
BENNETT	-	1,069	-	201	-	99	102	-	3	-	-	201	-	-	13	17	-	2	-	250	-	198	-	-	-	2	5	5			
BALANCE OF COUNTY	-	824	-	2,220	-	1,136	1,084	-	32	-	-	2,213	5	2	161	145	-	19	-	672	-	975	-	-	-	3	17	26			
BRANCH	35,600	662	18.6	625	17.6	329	296	-	16	-	-	623	2	-	41	40	-	6	-	389	10.9	386	10.8	-	-	10	13	15			
BRANCH	-	660	-	183	-	91	92	-	1	-	-	183	-	-	14	18	-	2	-	212	-	116	-	-	-	4	5	6			
BALANCE OF COUNTY	-	2	-	442	-	238	204	-	6	-	-	440	2	-	27	22	-	4	-	177	-	270	-	-	-	6	8	10			
CALHOUN	141,200	2,963	21.0	2,714	19.2	1,386	1,325	-	73	-	-	2,704	6	1	306	215	-	36	-	1,504	10.7	1,350	9.6	-	-	28	44	46			
CALHOUN	-	451	-	263	-	137	126	-	6	-	-	263	-	-	9	35	-	9	-	154	-	102	-	-	-	15	6	8			
CALHOUN	-	1,806	-	933	-	463	470	-	24	-	-	933	2	-	176	83	-	9	-	797	-	610	-	-	-	8	17	18			
CALHOUN	-	273	-	139	-	81	88	-	2	-	-	139	-	-	4	4	-	2	-	108	-	76	-	-	-	2	2	2			
BALANCE OF COUNTY	-	433	-	1,327	-	684	643	-	35	-	-	1,322	4	1	77	93	-	21	-	368	-	535	-	-	-	1	12	17			
CASS	40,100	226	5.6	884	22.0	462	422	-	12	-	-	883	1	-	38	59	-	4	-	329	6.0	423	10.5	-	-	7	9	10			
CASS	-	223	-	137	-	66	71	-	1	-	-	137	-	-	42	42	-	3	-	113	-	78	-	-	-	2	3	3			
BALANCE OF COUNTY	-	3	-	747	-	396	351	-	12	-	-	746	1	-	23	47	-	3	-	126	-	345	-	-	-	5	6	7			
CHARLEVOIX	16,500	140	8.5	292	17.7	153	139	-	6	-	-	291	1	-	15	17	-	4	-	137	8.3	181	11.0	-	-	2	1	3			
CHARLEVOIX	-	1	-	48	-	31	27	-	2	-	-	47	1	-	2	1	-	4	-	10	-	38	-	-	-	2	2	2			
BALANCE OF COUNTY	-	139	-	186	-	101	95	-	3	-	-	186	-	-	8	13	-	4	-	125	-	107	-	-	-	1	1	1			
CHEBOYGAN	15,500	263	17.0	305	19.7	155	150	-	8	-	-	304	1	-	15	21	-	1	-	145	9.4	174	11.2	-	-	2	3	4			
CHEBOYGAN	-	262	-	109	-	55	54	-	3	-	-	109	-	-	9	10	-	1	-	106	-	67	-	-	-	1	1	1			
BALANCE OF COUNTY	-	1	-	196	-	100	96	-	4	-	-	195	1	-	6	11	-	1	-	39	-	107	-	-	-	1	2	3			
CHIPPEWA	32,200	648	20.1	644	20.0	309	335	-	8	-	-	644	-	-	37	37	-	10	-	314	9.8	324	10.1	-	-	9	7	9			
CHIPPEWA	-	304	-	372	-	142	130	-	4	-	-	372	-	-	8	25	-	8	-	264	-	197	-	-	-	6	6	6			
BALANCE OF COUNTY	-	304	-	372	-	167	205	-	4	-	-	372	-	-	8	25	-	8	-	50	-	127	-	-	-	2	3	3			

\* Excludes four births born as a set of quadruplets in Dearborn.

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

AREA	POPULATION ESTIMATES			LIVE BIRTHS											FETAL DEATHS					DEATHS										
	Jul. 1, 1968	Occurrence		Sex			Residence			Place of Delivery			Illegitimacy	Immature Births	Number	Residence			Occurrence		Residence			Infant		Maternal				
		Number	Rate	Male	Female	Nonwhite	Other	Twins	Triplets	Hospital Physician	Non-hospital Physician	Other				Nonwhite	Negro	Other	Number	Rate	Number	Rate	Nonwhite	Negro	Other		Day	Under 1 Week	Under 1 Year	Under 1 Year
CLARE	14,800	270	18.2	281	19.0	141	140	1	4	3	281	-	-	19	6	193	13.0	168	11.4	-	-	-	1	2	2	4	-			
CLINTON	47,100	191	4.1	970	20.6	504	466	3	6	19	969	1	-	42	13	205	4.4	348	7.4	2	-	-	11	11	11	16	-			
ST. JOHNS	-	189	-	140	-	73	67	-	-	-	140	-	-	35	11	113	-	63	-	-	-	-	2	2	2	2	-			
BALANCE OF COUNTY	-	2	-	830	-	431	399	3	4	19	829	1	-	-	56	4	92	-	285	-	2	-	-	9	9	14	-			
CRANFORD	6,200	225	36.3	101	16.3	51	50	-	2	-	101	-	-	8	4	122	19.7	71	11.5	-	-	-	-	-	-	2	-			
DELTA	35,200	639	18.2	616	17.5	315	301	-	4	8	616	-	-	40	9	388	11.0	441	12.5	-	-	-	3	7	9	16	-			
WABASH	-	639	0	328	-	168	160	3	2	8	328	-	-	20	4	314	-	202	-	-	-	-	3	3	3	12	-			
GOODSTONE	-	-	-	114	-	61	53	-	-	-	114	-	-	5	4	59	-	178	-	-	-	-	3	1	1	1	-			
BALANCE OF COUNTY	-	-	0	174	-	86	88	-	-	-	174	-	-	15	9	55	-	178	-	-	-	-	3	3	5	5	-			
DICKINSON	23,700	444	18.7	313	13.2	156	157	-	2	20	313	-	-	17	20	415	17.5	297	12.5	-	-	-	3	4	4	4	-			
IRON MOUNTAIN	-	322	-	112	-	22	22	-	4	6	112	-	-	4	6	341	-	129	-	-	-	-	1	1	1	1	-			
KINGSFORD	-	122	0	34	-	17	17	-	2	6	93	-	-	8	9	17	-	64	-	-	-	-	1	1	1	1	-			
NORWAY	-	-	-	74	-	39	35	-	-	4	74	-	-	4	4	39	-	59	-	-	-	-	1	2	2	2	-			
BALANCE OF COUNTY	-	-	0	74	-	39	35	-	-	4	74	-	-	4	4	1	-	59	-	-	-	-	-	-	-	-	-			
EATON	65,300	633	9.7	1,254	19.2	632	622	2	1	18	1,252	2	-	67	16	375	5.7	543	8.3	-	-	-	-	8	11	12	17	-		
CHARLOTTE	-	337	-	189	-	98	91	-	-	-	188	-	-	12	10	196	-	112	-	-	-	-	-	1	1	1	2	-		
EATON RAPIDS	-	294	-	130	-	70	50	-	1	2	130	-	-	12	5	90	-	61	-	-	-	-	-	2	2	2	2	-		
GRAND LEDGE	-	1	-	182	-	66	76	-	-	-	182	-	-	18	5	42	-	42	-	-	-	-	-	1	1	1	2	-		
BALANCE OF COUNTY	-	1	-	795	-	398	395	2	-	14	792	1	-	37	7	80	-	328	-	-	-	-	-	4	7	8	11	-		
EMMET	17,600	642	36.5	319	18.1	174	145	-	16	8	319	-	-	26	30	395	19.0	191	10.9	-	-	-	6	1	1	1	-			
BALANCE OF COUNTY	-	642	0	230	-	127	103	-	10	6	230	-	-	16	23	61	-	126	-	-	-	-	5	1	2	2	-			
GENESEE	443,700	9,830	22.2	9,535	21.5	4,906	4,629	1,702	21	193	9,530	5	-	1,019	785	119	7.4	3,302	7.4	368	-	-	-	116	159	171	211	-		
DAVISON	-	-	0	136	-	66	70	-	1	2	136	-	-	31	9	5	-	40	-	-	-	-	-	-	-	-	-	-		
FENTON	-	9,829	-	2,489	-	1,362	1,126	1,570	15	99	2,483	1	-	712	467	107	1.8	82	-	-	-	-	-	-	1	3	4	4	-	
FLINT	-	-	-	95	-	75	62	-	-	2	95	-	-	10	5	2,845	-	1,825	-	354	-	-	-	63	88	96	120	-		
FLUSHING	-	-	-	174	-	94	80	-	10	8	174	-	-	13	18	36	-	41	-	-	-	-	-	1	1	1	1	-		
HUNTSVILLE	-	-	-	114	-	52	62	-	4	4	114	-	-	2	5	4	-	43	-	-	-	-	-	2	2	2	2	-		
QUINTON	-	-	-	114	-	52	62	-	4	4	114	-	-	2	5	4	-	43	-	-	-	-	-	2	2	2	2	-		
QUINTON	-	-	-	114	-	52	62	-	4	4	114	-	-	2	5	4	-	43	-	-	-	-	-	2	2	2	2	-		
QUINTON	-	-	-	114	-	52	62	-	4	4	114	-	-	2	5	4	-	43	-	-	-	-	-	2	2	2	2	-		
BALANCE OF COUNTY	-	1	-	4,023	-	2,055	1,968	122	5	74	4,019	4	-	208	266	38	-	1,250	-	14	-	-	-	45	59	62	78	-		
GLADWIN	12,000	124	10.3	226	18.8	121	105	1	1	10	226	-	-	12	14	1	9.3	145	12.1	-	-	-	-	1	1	1	3	-		
GOEBEL	20,200	347	17.2	272	13.5	160	132	1	7	4	271	-	-	15	12	3	18.0	345	17.1	-	-	-	-	1	1	1	3	-		
BESSEMER	-	1	0	13	-	22	16	-	-	2	13	-	-	4	4	4	-	51	-	-	-	-	-	-	-	-	-	-		
IRONWOOD	-	-	-	18	-	58	60	-	1	1	18	-	-	4	4	2	-	169	-	-	-	-	-	-	-	-	-	-		
BALANCE OF COUNTY	-	137	-	40	-	18	22	-	2	2	40	-	-	7	7	1	-	80	-	-	-	-	-	-	-	-	-	-		
BALANCE OF COUNTY	-	137	-	76	-	42	34	-	-	-	76	-	-	7	4	1	-	85	-	-	-	-	-	-	-	-	-	-		
GRAND TRAVERSE	39,800	1,103	27.7	660	16.6	332	328	2	10	10	658	1	-	53	47	9	18.5	394	9.9	-	-	-	-	10	13	14	18	-		
TRAVERSE CITY	-	1,102	-	284	-	140	144	-	6	6	1,102	1	-	27	20	6	60	182	-	-	-	-	-	5	7	7	9	-		
BALANCE OF COUNTY	-	1	-	376	-	192	184	-	4	4	374	1	-	26	27	3	-	212	-	-	-	-	-	1	5	6	7	-		
GRATIOT	39,000	822	21.1	827	21.2	409	418	1	1	14	822	5	-	47	49	14	10.8	953	9.1	-	-	-	2	6	7	10	-			
ALPHA	-	818	-	194	-	97	97	1	-	2	193	-	-	15	6	5	-	81	-	-	-	-	-	1	1	1	3	-		
ST. LOUIS	-	-	0	60	-	33	27	-	2	2	59	-	-	3	6	1	-	40	-	-	-	-	-	1	1	1	1	-		
BALANCE OF COUNTY	-	-	0	84	-	46	38	-	-	4	84	-	-	23	33	2	-	203	-	-	-	-	-	1	4	5	5	-		
HILLSDALE	36,000	377	10.5	651	18.1	365	306	1	-	6	651	-	-	33	34	6	7.9	362	10.1	1	-	-	-	9	10	10	13	-		
HILLSDALE	-	377	0	143	-	71	71	-	-	2	143	-	-	6	11	2	-	97	-	-	-	-	-	2	2	2	3	-		
BALANCE OF COUNTY	-	-	-	508	-	272	236	1	-	4	508	-	-	27	23	4	-	265	-	1	-	-	-	7	8	8	10	-		
HOUGHTON	33,700	523	15.5	518	15.4	285	233	1	3	14	518	-	-	24	40	6	12.7	468	13.9	-	-	-	1	2	14	16	-			
HUNTSVILLE	-	-	-	85	-	53	52	-	-	-	85	-	-	6	3	1	-	37	-	-	-	-	-	1	1	1	1	-		
HOUGHTON	-	326	0	90	-	39	31	1	2	4	90	-	-	1	4	1	-	34	-	-	-	-	-	2	2	2	2	-		
HOUGHTON	-	197	-	22	-	24	24	-	-	10	22	-	-	1	4	2	-	37	-	-	-	-	-	1	1	1	1	-		
BALANCE OF COUNTY	-	-	0	297	-	171	126	-	1	10	297	-	-	17	28	4	-	317	-	-	-	-	-	2	6	7	9	-		
HURON	33,100	587	17.7	623	18.8	327	296	2	-	10	623	-	-	30	31	9	10.3	386	11.7	-	-	-	-	2	4	4	7	-		
BAD AWE	-	226	-	67	-	39	39	-	-	-	67	-	-	5	2	2	-													

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

AREA	POPULATION ESTIMATES										LIVE BIRTHS										FETAL DEATHS										DEATHS									
	July 1, 1968		Occurrence		Residence		Sex		Nonwhite		Number Born in		Place of Delivery		Illegitimacy		Residence		Occurrence		Residence		Nonwhite		Number		Rate		Residence		Occurrence		Residence							
	Number	Rate	Number	Rate	Male	Female	Nonwhite	Other	Twins	Triplets	Hospital	Physician	Non-Hospital	Physician	Other	Number	Rate	Number	Rate	Number	Rate	Nonwhite	Other	Under 1 Day	Under 7 Days	Under 28 Days	Under 1 Year	Maternal	Under 1 Day	Under 7 Days	Under 28 Days	Under 1 Year								
IONIA	45,700	516	11.3	906	19.8	464	442	1	2	14	-	905	1	-	46	49	309	6.8	418	9.1	1	1	7	12	15	20	-	-	-	-	-									
BELOIT	-	112	-	180	-	24	66	-	-	-	-	80	-	-	5	2	81	-	73	-	-	-	2	3	3	3	-	-	-	-	-									
PORTLAND	-	40	-	113	-	62	51	-	-	-	-	117	-	-	9	10	133	-	79	-	-	-	1	3	3	4	-	-	-	-	-									
BALANCE OF COUNTY	-	1	0	596	-	305	291	1	2	6	-	596	-	-	27	28	85	-	232	-	-	-	4	6	8	12	-	-	-	-	-									
IOSCO	22,500	565	25.1	547	24.3	295	252	2	7	8	-	545	1	1	22	42	212	9.4	216	9.6	2	-	3	5	5	10	-	-	-	-	-									
IRON RIVER	13,700	121	8.8	133	9.7	67	66	-	-	-	-	132	1	-	15	9	189	13.8	196	14.3	-	-	-	-	-	2	-	-	-	-	-									
BALANCE OF COUNTY	-	121	0	105	-	53	52	-	-	-	-	104	1	-	14	4	178	-	144	-	-	-	-	-	-	-	-	-	-	-	-	-								
ISABELLA	40,400	661	16.4	766	19.0	393	373	3	13	8	-	765	1	-	41	41	235	6.7	264	6.5	1	2	7	10	12	13	-	-	-	-	-									
MOUNT PLEASANT	-	660	-	276	-	139	137	3	5	8	-	276	1	-	16	17	1	-	1	-	-	-	1	4	5	7	-	-	-	-	-									
BALANCE OF COUNTY	-	1	-	490	-	254	236	-	-	8	-	489	1	-	25	24	34	-	177	-	-	-	1	3	5	7	-	-	-	-	-									
JACKSON	142,000	2,630	18.5	2,531	17.8	1,267	1,264	150	5	53	2	2,525	4	2	200	174	1,271	9.0	1,306	9.2	64	-	29	43	48	60	-	-	-	-	-									
JACKSON	-	2,628	-	924	-	469	455	141	1	19	2	920	3	1	104	81	940	-	661	-	61	-	15	24	25	29	-	-	-	-	-									
BALANCE OF COUNTY	-	2	-	1,607	-	798	809	9	4	34	-	1,605	1	1	96	93	331	-	645	-	3	-	14	19	23	31	-	-	-	-	-									
KALAMAZOO	194,800	3,929	20.2	3,667	18.8	1,841	1,826	251	22	64	-	3,662	3	2	325	275	1,652	8.5	1,491	7.7	46	-	29	30	41	52	1	-	-	-	-									
BALANCE OF COUNTY	-	82	-	1,882	-	953	929	21	9	38	-	1,878	3	1	95	132	1,390	-	831	-	42	-	15	18	18	25	1	-	-	-	-									
K.M.KASKA	5,500	50	9.1	106	19.3	59	47	-	-	-	-	106	-	-	6	5	35	6.4	58	10.5	-	-	-	2	2	2	-	-	-	-	-	-								
KENT	408,600	8,861	21.7	7,714	18.9	3,922	3,822	678	31	154	-	7,701	7	6	728	528	3,716	9.1	3,486	8.5	153	8	58	95	103	143	1	-	-	-	-	-								
EAST GRAND RAPIDS	-	2,262	-	3,856	-	1,962	1,894	65	-	65	-	3,856	2	2	53	46	2,562	-	1,70	-	1	-	1	1	1	1	-	-	-	-	-	-								
GRAND RAPIDS	-	8,262	-	195	-	77	118	1	-	4	-	195	-	-	12	12	2,784	-	2,136	-	147	7	30	54	59	88	1	-	-	-	-	-								
GRANDVILLE	-	-	0	44	-	17	27	-	-	-	-	44	-	-	3	3	25	-	32	-	-	-	-	2	2	2	-	-	-	-	-	-								
LONELL	-	-	0	44	-	17	27	-	-	-	-	44	-	-	3	3	25	-	32	-	-	-	-	2	2	2	-	-	-	-	-	-								
SPARTA	-	1	0	48	-	24	24	-	-	-	-	48	-	-	3	3	31	-	47	-	-	-	-	1	2	2	-	-	-	-	-	-								
WYOMING	-	6	0	1,110	-	597	513	10	1	22	-	1,110	-	-	52	67	1,110	-	344	-	1	-	13	18	19	21	-	-	-	-	-	-								
BALANCE OF COUNTY	-	6	-	2,323	-	1,141	1,182	8	6	61	-	2,316	4	3	108	139	219	-	793	-	4	1	12	18	19	26	-	-	-	-	-	-								
KENERAW	2,100	-	0	28	13.3	18	10	-	-	2	-	28	-	-	2	2	12	5.7	36	17.1	-	-	-	-	-	-	-	-	-	-	-	-								
LAKE	4,800	1	0.2	77	16.0	53	24	-	-	2	-	76	-	-	11	3	32	6.7	103	21.5	33	1	-	2	2	3	-	-	-	-	-	-								
LAPEER	51,000	1,091	21.4	996	19.5	518	478	3	2	18	-	992	3	1	47	62	364	7.1	997	7.8	1	1	11	14	14	17	-	-	-	-	-	-								
BALANCE OF COUNTY	-	1,087	-	856	-	448	408	3	-	16	-	853	2	1	36	48	1,039	-	332	-	1	-	9	12	12	14	-	-	-	-	-	-								
LEELANAU	10,000	46	4.6	161	16.1	85	76	-	-	2	-	159	1	1	8	13	93	5.3	107	10.7	4	-	2	3	3	3	-	-	-	-	-	-	-							
L'EWIS	80,700	1,760	21.8	1,590	19.7	851	739	7	3	27	3	1,587	1	2	87	120	739	9.2	765	9.5	3	-	13	24	26	36	-	-	-	-	-	-								
ADRIAN	-	1,079	-	487	-	261	226	6	1	11	3	487	-	-	41	51	390	-	251	-	3	-	3	6	10	13	-	-	-	-	-	-								
BLISSFIELD	-	-	0	57	-	27	30	-	-	-	-	57	-	-	2	2	40	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-								
HUDSON	-	185	-	161	-	87	74	-	-	-	-	161	-	-	4	4	60	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-								
TECUMSEH	-	331	-	161	-	87	74	-	-	-	-	161	-	-	4	4	119	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-								
BALANCE OF COUNTY	-	165	-	821	-	444	377	1	1	12	-	819	1	2	33	50	184	-	401	-	-	-	-	-	-	-	-	-	-	-	-	-								
LIVINGSTON	54,100	626	11.6	974	18.0	528	465	2	8	20	-	972	1	1	64	64	333	6.2	440	8.1	1	-	10	14	14	17	-	-	-	-	-	-								
MORENO	-	623	-	133	-	69	65	-	-	-	-	133	-	-	5	5	294	-	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
BALANCE OF COUNTY	-	3	-	838	-	459	379	1	7	16	-	837	1	1	54	55	10	-	365	-	1	-	8	11	11	14	-	-	-	-	-	-								
LUCE	7,000	73	10.4	84	12.0	36	48	-	-	4	-	84	-	-	4	4	127	18.1	68	9.7	-	-	-	-	-	-	-	-	-	-	-	-								
NEWBERRY	-	73	-	49	-	21	28	-	-	2	-	49	-	-	4	4	74	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-								
BALANCE OF COUNTY	-	73	-	35	-	15	20	-	-	2	-	35	-	-	4	4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-								
MACHTAC	9,600	97	9.7	134	14.0	71	63	-	-	2	-	134	-	-	13	7	76	7.9	93	9.7	1	3	-	-	-	-	-	-	-	-	-	-	-							
STANTON	-	87	-	58	-	27	30	-	-	-	-	58	-	-	6	6	59	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-								
BALANCE OF COUNTY	-	6	-	78	-	45	33	-	-	2	-	78	-	-	7	7	37	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-								
MACOMB	617,400	7,443	12.1	11,760	19.0	5,980	5,780	213	56	263	3	11,738	21	1	564	807	2,562	4.1	3,356	5.4	59	4	98	143	155	197	2	-	-	-	-	-								
CENTER LINE	-	-	0	197	-	96	101	-	-	1	-	196	1	-	12	12	1	-	72	-	-	-	-	-	-	-	-	-	-	-	-	-								
EAST DETROIT	-	1	-	631	-	337	294	3	2	16	-	630	1	-	39	45	6	-	306	-	-	-	-	-	-	-	-	-	-	-	-	-								
FRASER	-	1	-																																					

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

Table with columns for AREA, POPULATION ESTIMATES, LIVE BIRTHS, FETAL DEATHS, and DEATHS. Each section includes sub-columns for Occurrence, Residence, and various metrics like Number, Rate, and Sex.

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

AREA	POPULATION ESTIMATES			LIVE BIRTHS										FETAL DEATHS			DEATHS						
	July 1, 1968	Occurrence		Residence						Residence		Residence		Residence		Residence		Residence		Infant Under 1 Week	Infant Under 1 Year	Maternal	
		Number	Rate	Male	Female	Non-white	Other	Number Born in Plural Births	Place of Birth	Number	Rate	Number	Rate	Non-white	Other	Under Day	Under Week	Under 1 Year					
						Negro	Other	Twins	Hospital	Physician	Number	Rate	Number	Rate	Negro	Other	Day	Week	Year				
OCENA	16,900	387	22.9	337	19.9	164	173	-	7	11	-	337	-	-	17	17	1	1	3	3	4	-	
OCENAN	10,500	302	28.8	155	14.8	89	66	-	-	-	-	154	1	-	8	7	-	-	1	2	2	6	-
ONTONAGON	10,400	124	11.9	176	16.9	82	94	-	2	-	-	176	-	-	7	10	-	-	1	2	2	3	-
OSCEOLA	15,200	170	11.2	245	16.1	131	114	-	1	6	-	243	1	1	15	22	-	-	1	2	2	3	-
OSCODA	4,300	3	0.7	57	13.3	28	29	-	1	2	-	55	1	1	2	2	-	-	1	3	3	4	-
OTSEGO	10,300	145	14.1	210	20.4	99	111	-	2	4	-	209	-	1	4	14	-	-	3	4	5	6	-
GAYLORD	-	143	-	63	-	26	37	-	1	2	-	143	-	1	3	6	-	-	1	2	2	2	-
BALANCE OF COUNTY	-	2	-	147	-	73	74	-	1	2	-	146	-	1	1	8	-	-	2	2	3	4	-
OTTAWA	122,300	1,859	15.2	2,387	19.5	1,208	1,179	-	1	28	3	2,383	4	-	104	106	-	-	12	20	23	29	-
GRAND HAVEN	-	482	-	217	-	97	120	-	1	4	-	217	-	-	17	8	-	-	1	1	1	1	-
HIDSONVILLE	-	942	-	486	-	258	228	-	2	-	3	485	1	-	16	24	-	-	5	7	7	8	-
ZEELAND	-	432	-	57	-	31	26	-	-	1	-	57	-	-	2	1	-	-	2	-	-	-	-
BALANCE OF COUNTY	-	0	-	1,558	-	787	771	-	6	24	-	1,556	2	-	66	68	-	-	5	10	12	17	-
PRESQUE ISLE	12,500	170	13.6	215	17.2	114	101	-	-	2	-	215	-	-	8	16	-	-	2	4	4	5	-
ROGERS CITY	-	113	-	72	-	39	33	-	-	2	-	72	-	-	2	1	-	-	1	1	1	1	-
BALANCE OF COUNTY	-	57	-	143	-	75	68	-	-	2	-	143	-	-	6	9	-	-	1	1	1	1	-
ROSCONN	8,700	1	0.1	113	13.0	60	53	-	1	-	-	113	-	-	7	4	-	-	-	-	-	-	-
SAGINAW	218,200	4,693	21.5	4,536	20.8	2,316	2,220	-	8	101	-	4,529	7	-	481	409	-	-	45	64	76	100	-
CHEMUNG	-	0	-	61	-	31	30	-	-	-	-	61	-	-	4	4	-	-	-	-	-	-	-
SAGINAW	-	4,690	-	2,190	-	1,131	1,059	-	4	63	-	2,187	3	-	34	226	-	-	21	32	39	55	-
BALANCE OF COUNTY	-	3	-	2,285	-	1,154	1,131	-	4	38	-	2,281	4	-	111	173	-	-	24	32	37	45	-
ST. CLAIR	117,600	2,058	17.5	2,162	18.4	1,109	1,053	-	2	52	-	2,157	4	1	139	147	-	-	16	29	32	43	-
MARINE CITY	-	0	-	72	-	35	37	-	-	2	-	72	-	-	3	3	-	-	-	-	-	-	-
MARYSVILLE	-	0	-	9	-	4	38	-	1	4	-	9	-	-	3	3	-	-	-	-	-	-	-
NEW BALTIMORE PT.	-	0	-	13	-	4	40	-	-	-	-	79	-	-	3	3	-	-	-	-	-	-	-
PORT HURON	-	1,395	-	741	-	397	344	-	4	20	-	743	1	-	-	2	-	-	-	-	-	-	-
ST. CLAIR	-	12	-	88	-	41	47	-	1	-	-	88	-	-	91	60	-	-	3	635	454	22	-
BALANCE OF COUNTY	-	651	-	1,080	-	541	539	-	2	22	-	1,076	3	1	11	70	-	-	7	10	11	17	-
ST. JOSEPH	46,200	805	17.4	908	19.7	471	437	-	2	8	-	902	6	-	59	46	-	-	4	9	9	11	-
STURGES	-	329	-	179	-	91	88	-	-	-	-	177	2	-	15	6	-	-	1	2	2	3	-
THREE RIVERS	-	2	-	579	-	307	272	-	2	6	-	577	2	-	13	9	-	-	1	2	2	3	-
BALANCE OF COUNTY	-	453	-	646	-	320	326	-	2	14	-	642	4	-	30	37	-	-	4	10	10	14	-
SCHOOLCRAFT	7,900	195	24.7	149	18.9	83	66	-	-	10	3	149	-	-	14	22	-	-	3	4	5	6	-
MANISTIQUE	-	195	-	90	-	50	40	-	-	8	3	90	-	-	7	15	-	-	3	3	3	3	-
BALANCE OF COUNTY	-	0	-	59	-	33	26	-	-	2	-	59	-	-	7	7	-	-	3	3	2	3	-
SHAMASSE	62,100	1,147	18.5	1,289	20.9	674	635	-	2	23	-	1,294	3	2	83	81	-	-	8	13	16	20	-
CORUNNA	-	0	-	54	-	24	40	-	-	-	-	54	1	-	3	2	-	-	2	106	31	40	-
DURAND	-	0	-	56	-	50	46	-	-	-	-	56	1	-	3	2	-	-	2	15	29	35	-
ONSDO	-	1,143	-	378	-	198	180	-	1	4	-	378	1	-	24	22	-	-	2	2	2	3	-
BALANCE OF COUNTY	-	4	-	771	-	402	369	-	1	19	-	767	2	2	49	46	-	-	2	2	3	4	-
TUSCULA	48,900	433	8.9	896	18.3	445	491	-	2	12	-	895	1	-	47	58	-	-	4	8	13	16	-
VASSAR	-	222	-	97	-	45	52	-	-	-	-	97	-	-	-	6	-	-	1	1	1	2	-
BALANCE OF COUNTY	-	210	-	759	-	375	384	-	2	10	-	758	1	-	39	48	-	-	3	3	3	3	-
VAN BUREN	55,300	676	12.2	1,037	18.8	518	519	-	11	26	-	1,033	4	-	77	69	-	-	3	9	9	17	-
PAM PAM	-	274	-	67	-	30	37	-	-	-	-	67	-	-	3	3	-	-	4	3	4	5	-
SOUTH HAVEN	-	399	-	133	-	70	63	-	10	10	-	133	-	-	16	11	-	-	7	7	7	8	-
BALANCE OF COUNTY	-	3	-	637	-	418	419	-	5	16	-	633	4	-	58	56	-	-	2	2	2	2	-
WASHTENAW	222,400	5,818	26.8	4,464	20.1	2,291	2,193	-	440	71	-	4,454	9	1	328	322	-	-	44	61	70	89	-
ANN ARBOR	-	4,272	-	1,890	-	939	944	-	65	48	-	1,887	3	-	117	120	-	-	34	3	3	4	-
CHELSEA	-	0	-	52	-	28	24	-	-	-	-	52	-	-	5	2	-	-	2	2	2	2	-
MILAN PT.	-	1,238	-	763	-	384	379	-	3	12	-	763	-	-	103	86	-	-	2	2	2	2	-
YPSILANTI	-	1,238	-	763	-	384	379	-	3	12	-	763	-	-	103	86	-	-	2	2	2	2	-
BALANCE OF COUNTY	-	7	-	1,683	-	859	824	-	3	24	-	1,678	4	1	99	104	-	-	8	15	16	19	-

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

AREA	POPULATION ESTIMATES		LIVE BIRTHS											FETAL DEATHS						DEATHS																	
	July 1, 1968	2+670,800	Occurrence		Residence				Place of Delivery			Immature Births*	Residence		Occurrence		Residence		Occurrence		Residence		Intra-uterine		Maternal												
			Number	Rate	Number	Male	Female	Nonwhite	Twins	Plural Births	Number Born in		Hospital	Non-hospital	Other	Number	Rate	Nonwhite	Other	Number	Rate	Nonwhite	Other	Number	Under 28 Days	Under 1 Year	Under 15 Years	Number	Under 1 Year	Under 15 Years	Under 15 Years						
																																Rate	Rate	Rate	Rate	Rate	Rate
WAYNE	52,846	19.8	49,418	18.6	25,210	24,408	17,194	324	1,134	21	49,511	90	17	7,723	4,865	763	26,954	10.1	6,609	48	546	809	896	1,186	14												
ALLEN PARK			4,700		1,350	639	711	2	12	20	1,348	2		64	80	12	1,059																				
DETROIT			31,484		30,085	15,211	14,874	15,870	231	756	21	30,001	70	14	6,399	3,471	337	181,515		6,109	44	370	543	599	824	9											
ECORSE					309	209	180	164	1	2	389			12	16	2	2			1	53	2	3	3	3	3											
FLAT ROCK					129	68	61	1	1	1	719			1	47	2	4			1		1	4	7	9	11	15										
GARDEN CITY			1,539		719	341	1	1	1	1	145			9	8	4	337			1		1	1	1	1	1											
GROSSE POINTE			1,298		185	46	93		2	2	83			4	5		204					1	1	1	1	1											
GROSSE PTE. PARKS			835		186	42	74		1	2	146			9	6		22					1	1	1	1	1											
GROSSE PTE. PARKS			1		0	473	232	93	91	1	184			12	11	3	22					4	5	5	5	6											
HUNTSVILLE					0	229	128	101	1	6	473			37	52	2	68					40	1	2	7	8	10										
HARPER WOODS					0	229	128	101	1	6	473			37	52	2	68					40	1	2	7	8	10										
HIGHLAND PARK			2,211		692	343	349	422	11	16	228			163	101	11	942					129	1	12	20	22	22	1									
INKSTER PARK			1,501		936	448	490	434	2	25	921			129	91	13	46					149	1	13	19	22	25	1									
LIVONIA			2,154		1,376	677	762	2	6	37	1,593			129	101	15	501					521	1	12	14	18	21										
MELVINDALE					0	388	51	37		1	311			25	22	1	8					93	1	1	1	1											
MORRISVILLE PT.					0	404	210	194	1	2	88			11	7	2	17					46	1	5	7	7	8										
RIVER ROUGE					0	398	192	206	114	2	404			12	25	2	30					219	1	11	13	13	15										
RIVERVIEW					0	207	107	100	1	6	397			73	43	16	42					68	1	3	3	3	5										
SOUTHGATE					1	524	260	264	1	13	207			94	42	8	43					48	1	6	7	8	9										
TRENTON			2,273		356	190	166	52	2	0	322			17	20	2	534					162	1	2	2	2	4										
WAYNE			1,555		756	583	582	2	2	0	556			36	34	11	232					134	1	5	6	6	9										
WYANDOTTE			1,276		766	583	582	2	2	16	765			41	61	8	406					404	1	10	16	16	14										
WYANDOTTE COUNTY			1,614		7,443	3,871	3,574	88	32	139	7,438			314	487	100	2,255					2,140	4	56	80	92	114										
WYERBRO			511		26.3	358	18.5	201	157	1	357			26	24	6	295					237	11.7	4	5	6	7										
CADILLAC			510		190	110	80	77	1	8	190			15	10	2	274					125	5	3	3	4	5										
BALANCE OF COUNTY			1		168	91	77		1	3	167			11	14	2	21					102	1	1	2	2											

\* Defined by the World Health Organization for statistical purposes as all infants weighing 5 lb. 8 oz. (2,500 grams) or less. Source of Population Estimates: State and County - Michigan Center for Health Statistics, July 1 estimates.

TABLE 12 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM  
MICHIGAN, 1969

AGE (YEARS)	B R I D E						G R O O M					
	Total	Order of Marriage					Total	Order of Marriage				
		First	Second	Third	Fourth or more	Not Stated		First	Second	Third	Fourth or more	Not Stated
ALL AGES	90,999	69,758	16,895	3,579	748	19	90,999	69,594	17,301	3,420	662	22
Under 15	2	-	2	-	-	-	-	-	-	-	-	-
15 - 19	32,756	32,215	528	4	1	8	15,802	15,740	58	-	-	4
20 - 24	35,400	31,313	3,840	225	14	8	41,774	39,558	2,133	71	1	11
25 - 29	8,181	4,236	3,408	483	54	-	13,880	9,804	3,717	337	19	3
30 - 34	3,701	951	2,157	490	101	2	5,371	2,201	2,684	424	60	2
35 - 39	2,749	404	1,729	510	106	-	3,510	932	2,015	473	90	-
40 - 44	2,364	244	1,477	522	120	1	2,943	575	1,793	462	113	-
45 - 49	2,031	159	1,290	471	111	-	2,301	315	1,437	449	100	-
50 - 54	1,401	100	910	299	92	-	1,712	192	1,065	361	94	-
55 - 59	1,006	64	647	224	71	-	1,299	142	826	269	61	1
60 - 64	657	42	414	166	35	-	956	74	597	232	52	1
65 - 69	438	17	285	112	24	-	737	36	504	164	33	-
70 & Over	307	11	204	73	19	-	703	20	467	177	39	-
Not Stated	6	2	4	-	-	-	11	5	5	1	-	-

TABLE 13 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM  
MICHIGAN, 1969

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	90,999	100.1
Both bride and groom resident of State	81,444	89.5
Bride resident, groom nonresident of State	3,885	4.3
Groom resident, bride nonresident of State	1,073	1.2
Both bride and groom nonresident of State	4,597	5.1
Residence status of either or both not stated	-	0

TABLE 14 - MARRIAGES BY AGE OF BRIDE AND GROOM  
MICHIGAN, 1969

AGE OF GROOM	AGE OF BRIDE															70 & Over	Not Stated				
	TOTAL	Under 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54			55-59	60-64	65-69	
TOTAL	90,999	2	2,706	5,382	12,498	12,168	32,756	35,400	8,181	3,701	2,749	2,364	2,031	1,401	1,006	657	438	307	6		
Under 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	2	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	6,543	-	950	1,488	2,466	1,034	5,939	555	36	8	3	1	-	-	-	-	-	-	-	-	1
19	9,257	-	699	1,492	3,150	2,323	7,665	1,525	53	8	4	-	-	-	1	-	-	-	-	-	1
15 - 19	15,802	-	1,650	2,981	5,616	3,357	13,606	2,080	89	16	7	1	-	-	1	-	-	-	-	-	2
20 - 24	41,774	2	955	2,176	6,131	7,617	16,879	23,297	1,317	205	48	21	3	1	1	-	-	-	-	-	-
25 - 29	13,880	-	85	184	598	976	1,843	7,660	3,405	720	177	55	16	2	2	1	-	1	-	-	-
30 - 34	5,371	-	11	26	102	153	292	1,549	1,842	1,022	450	150	47	16	2	1	-	-	-	-	-
35 - 39	3,510	-	2	9	21	41	73	516	862	815	687	377	135	32	10	1	1	1	-	-	-
40 - 44	2,943	-	2	4	16	14	36	187	396	535	692	661	304	97	29	3	3	3	-	-	-
45 - 49	2,301	-	-	1	6	7	14	76	170	264	379	545	545	218	73	13	3	1	-	-	-
50 - 54	1,712	-	-	-	2	1	3	21	68	77	196	318	483	348	156	34	6	2	-	-	-
55 - 59	1,299	-	-	-	3	2	5	5	22	29	83	157	285	340	260	87	23	2	1	-	-
60 - 64	956	-	-	-	1	-	1	6	8	12	18	54	128	204	254	193	63	15	-	-	-
65 - 69	737	-	1	-	-	-	1	-	1	6	9	18	59	100	143	199	151	50	-	-	-
70 & over	703	-	-	-	-	-	-	1	-	-	3	6	26	32	76	126	187	236	-	-	-
Not stated	11	-	-	1	2	-	3	2	1	-	-	1	-	1	-	-	-	-	-	-	3

TABLE 15 - DIVORCES AND ANNULMENTS BY LEGAL GROUNDS FOR DECREE  
MICHIGAN, 1969

LEGAL GROUNDS FOR DECREE	NUMBER	PERCENT
TOTAL	28,347	100.0
Cruelty	27,237	96.1
Desertion	375	1.3
Fraud	221	0.8
Nonsupport	196	0.7
Bigamy	14	0.1
Conviction of Crime	12	0.0
Drunkenness	10	0.0
Adultery	8	0.0
Other Causes	26	0.1
Not Stated	248	0.9

TABLE 16 - DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE  
MICHIGAN, 1969

DURATION (YEARS)	NUMBER	PERCENT
TOTAL	28,347	100.0
Under 1 year	395	1.4
1 - 4	9,232	32.6
5 - 9	7,275	25.7
10 - 14	4,158	14.7
15 - 19	2,883	10.2
20 - 24	2,311	8.1
25 - 29	1,181	4.2
30 - 34	470	1.6
35 - 39	234	0.8
40 - 44	84	0.3
45 - 49	26	0.1
50 & Over	8	0.0
Not Stated	90	0.3

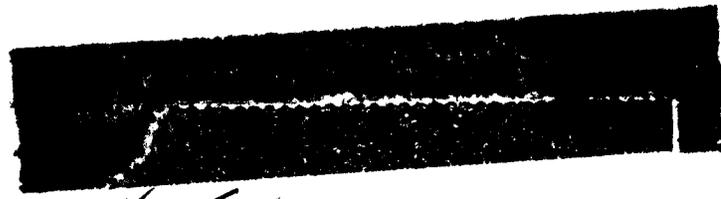
TABLE 17 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE MICHIGAN, 1969

AREA	Divorces & Annulments	Annulments	D I V O R C E S										
			Total	Cases Contested	Granted to -		Children						
					Husband	Wife	0	1	2	3	4	5 or More	Not Stated
STATE	28,347	325	28,022	-	6,580	21,265	10,864	6,357	5,013	2,955	1,599	1,233	1
Alcona	8	-	8	-	-	-	-	-	-	-	-	-	-
Alger	-	-	-	-	2	6	3	3	1	-	-	-	-
Allegan	176	1	175	-	51	123	63	34	39	23	9	7	-
Alpena	92	-	92	-	22	69	32	21	15	14	4	6	-
Antrim	36	-	36	-	9	27	12	9	4	5	4	2	-
Arenac	18	-	18	-	3	15	6	4	3	4	-	1	-
Baraga	15	-	15	-	3	12	3	4	6	4	-	1	-
Barry	147	-	147	-	36	110	54	41	24	9	8	11	-
Bay	349	2	347	-	66	277	135	78	57	35	23	19	-
Benzie	32	-	32	-	8	24	10	12	5	3	1	1	-
Berrien	597	3	594	-	121	465	242	119	103	58	43	29	-
Branch	120	-	120	-	35	85	51	30	19	6	6	8	-
Calhoun	693	1	692	-	170	519	290	164	123	69	31	15	-
Cass	127	-	127	-	38	88	50	28	22	12	8	7	-
Charlevoix	37	1	36	-	11	23	8	13	5	8	1	1	-
Cheboygan	29	1	28	-	3	25	9	9	6	-	3	1	-
Chippewa	77	1	76	-	16	60	23	15	12	11	7	8	-
Clare	47	-	47	-	13	34	21	9	2	9	4	2	-
Clinton	121	1	120	-	29	91	36	29	23	18	10	4	-
Crawford	17	1	16	-	3	13	5	3	3	4	1	-	-
Delta	60	1	59	-	11	48	19	14	10	6	5	5	-
Dickinson	46	-	46	-	9	36	15	8	10	7	3	3	-
Eaton	159	-	159	-	43	116	56	38	27	18	12	8	-
Emmet	53	2	51	-	10	41	16	16	12	3	4	-	-
Genesee	1,683	7	1,676	-	434	1,240	652	385	298	161	105	75	-
Gladwin	23	-	23	-	6	16	12	3	3	1	3	1	-
Gogebic	26	-	26	-	3	23	9	2	4	6	2	3	-
Gd. Traverse	122	1	121	-	39	81	62	22	19	7	5	6	-
Gratiot	105	-	105	-	21	82	34	28	27	7	7	2	-
Hillsdale	-	-	-	-	-	-	-	-	-	-	-	-	-
Houghton	51	-	51	-	6	45	18	9	9	9	4	2	-
Huron	56	1	55	-	18	37	15	10	19	5	3	3	-
Ingham	1,078	18	1,060	-	272	779	415	222	185	122	66	50	-
Ionia	132	-	132	-	26	106	44	33	20	19	7	9	-
Iosco	42	-	42	-	12	29	18	5	6	7	5	1	-
Iron	18	-	18	-	2	16	3	2	4	5	1	2	-
Isabella	8	-	8	-	2	16	3	2	4	9	4	5	-
Jackson	53	-	53	-	12	61	25	21	16	10	31	19	-
Kalamazoo	717	17	700	-	136	562	268	158	129	80	45	20	-
Kalkaska	16	-	16	-	3	13	5	4	2	4	1	-	-
Kent	1,382	15	1,367	-	254	1,106	487	251	154	78	69	-	-
Keweenaw	2	-	2	-	1	1	1	-	-	-	-	-	-
Lake	15	1	14	-	4	10	8	3	2	-	-	-	-
Lapeer	115	1	114	-	32	82	32	31	28	13	7	3	-
Leelanau	29	2	27	-	3	24	8	5	5	4	1	4	-
Lenawee	255	1	254	-	54	199	93	58	49	34	13	7	-
Livingston	200	1	199	-	54	145	71	42	35	19	15	17	-
Luce	20	-	20	-	5	15	8	3	4	2	2	1	-
Mackinac	25	-	25	-	7	18	10	4	5	3	1	2	-
Macomb	1,904	58	1,846	-	366	1,479	626	421	378	241	112	68	-
Manistee	31	1	30	-	6	24	13	5	3	5	2	2	-
Marquette	161	2	159	-	30	129	45	37	36	15	16	10	-
Mason	69	1	68	-	19	49	17	17	13	8	8	5	-
Mecosta	51	-	51	-	12	39	24	6	4	7	4	6	-
Menominee	31	-	31	-	4	27	13	6	3	2	1	6	-
Midland	172	3	169	-	41	127	64	34	31	16	9	15	-
Missaukee	19	-	19	-	3	15	10	5	1	2	-	1	-
Monroe	288	3	285	-	76	207	117	68	43	34	14	9	-
Montcalm	110	1	109	-	28	81	48	24	16	9	8	4	-
Montmorency	8	1	7	-	1	6	3	2	-	-	1	1	-
Muskegon	553	5	548	-	126	422	203	125	106	51	33	30	-
Newaygo	63	-	63	-	26	37	22	10	12	13	2	4	-
Oakland	3,285	27	3,258	-	634	2,568	1,242	733	620	354	169	140	-
Oceana	41	-	41	-	10	31	7	9	8	7	2	8	-
Ogemaw	28	-	28	-	6	21	13	6	4	3	2	-	-
Ontonagon	13	-	13	-	8	5	1	5	4	3	-	-	-
Osceola	-	-	-	-	-	-	-	-	-	-	-	-	-
Oscoda	8	-	8	-	1	7	2	5	-	1	-	-	-
Otsego	29	-	29	-	8	21	10	6	4	4	3	2	-
Ottawa	268	7	261	-	59	202	74	68	61	27	19	12	-
Presque Isle	16	-	16	-	2	14	7	4	2	1	-	2	-
Roscommon	39	-	39	-	5	34	10	11	4	6	4	4	-
Saginaw	622	6	616	-	163	451	220	136	111	67	41	41	-
St. Clair	353	2	351	-	72	279	128	85	58	35	26	19	-
St. Joseph	154	-	154	-	37	115	56	35	29	21	7	6	-
Sanilac	69	1	68	-	20	44	29	13	11	9	3	3	-
Schoolcraft	13	1	12	-	2	10	4	3	1	2	1	1	-
Shiawassee	224	1	223	-	51	172	79	53	47	24	11	9	-
Tuscola	117	3	114	-	34	80	35	30	22	13	9	5	-
Van Buren	170	-	170	-	41	129	58	40	37	16	10	9	-
Washtenaw	811	17	794	-	144	650	331	205	132	76	27	22	1
Wayne	8,779	99	8,680	-	2,301	6,379	3,078	1,999	1,443	824	454	345	-
Wexford	63	2	61	-	9	52	20	12	12	8	6	3	-

To find PC of children among divorces 10 divorces 8 children  
8 in machine just, then 10.

To find pc of divorces (incl. annul) where children were present  
 DIV W NO CHILDREN SUBTRACTED FROM DIV - DIVIDE BALANCE F DIV  
 16 DIVORCES  
 7 NO CHILDREN  
 9 W CHILDREN  
 $9 \div 16 = 56.3$

divide fetal & perinatal dy by birth plus fetal dy  
 (7 day + FETAL)



1962  
 DIVORCES

TI

17500 ÷  
 7939000 =  
 623000 TR  
 2.2043 T  
 22043 x  
 2 =  
 44086 T

PC.

