

VELMA PLOCH

MICHIGAN



# HEALTH STATISTICS

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MICHIGAN  
DEPARTMENT  
OF HEALTH

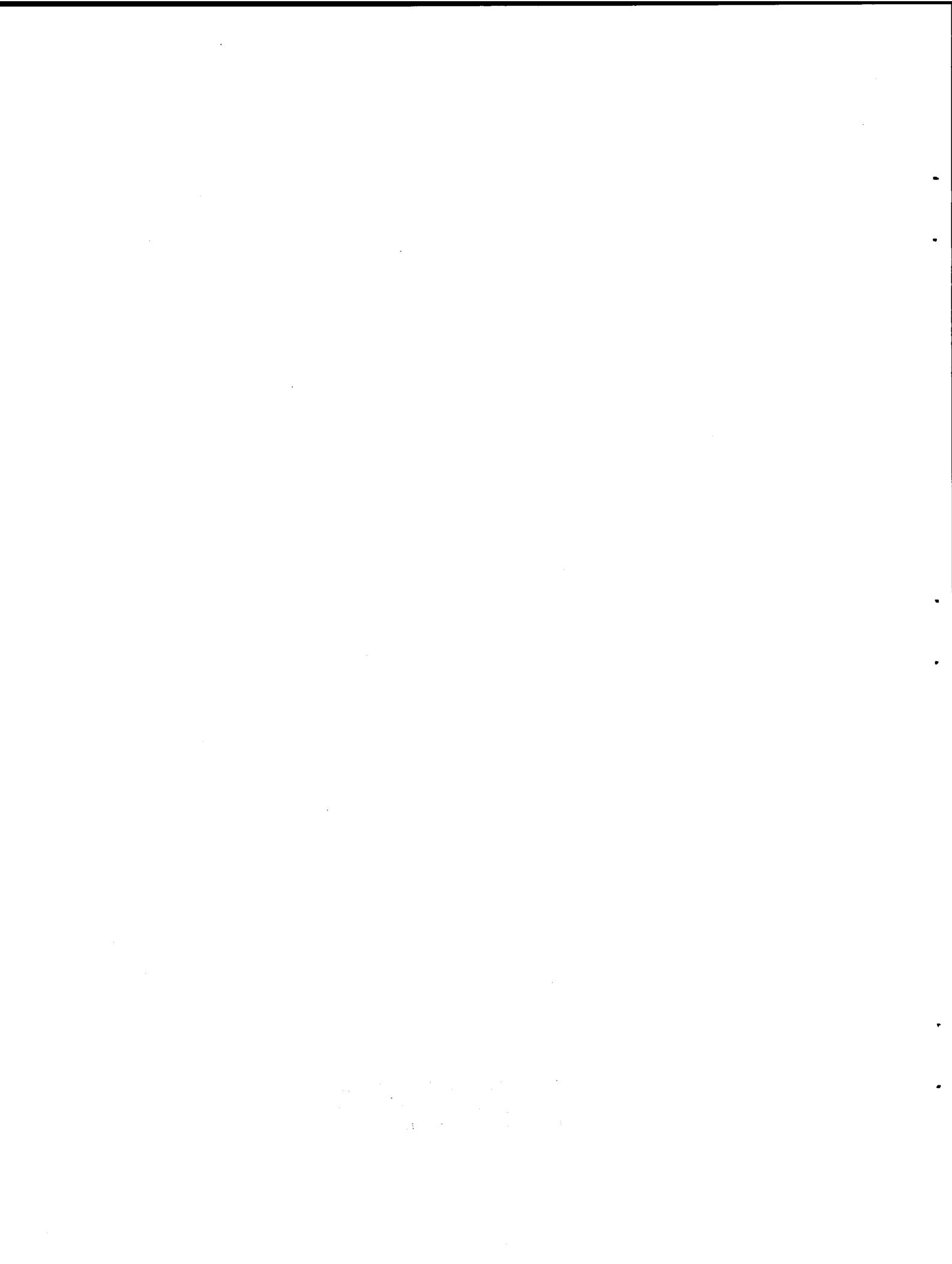
*Lansing 4*

M I C H I G A N  
H E A L T H S T A T I S T I C S

A N N U A L S T A T I S T I C A L R E P O R T  
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Division of Disease Control, Records and Statistics  
Michigan Department of Health  
Lansing 4, Michigan



# MICHIGAN DEPARTMENT OF HEALTH



LANSING 4, MICHIGAN

Old Dewitt Road — Tel. 4-1491

Albert E. Heustis M. D., Commissioner

Honorable G. Mennen Williams  
Governor of Michigan  
Lansing, Michigan

Dear Governor Williams:

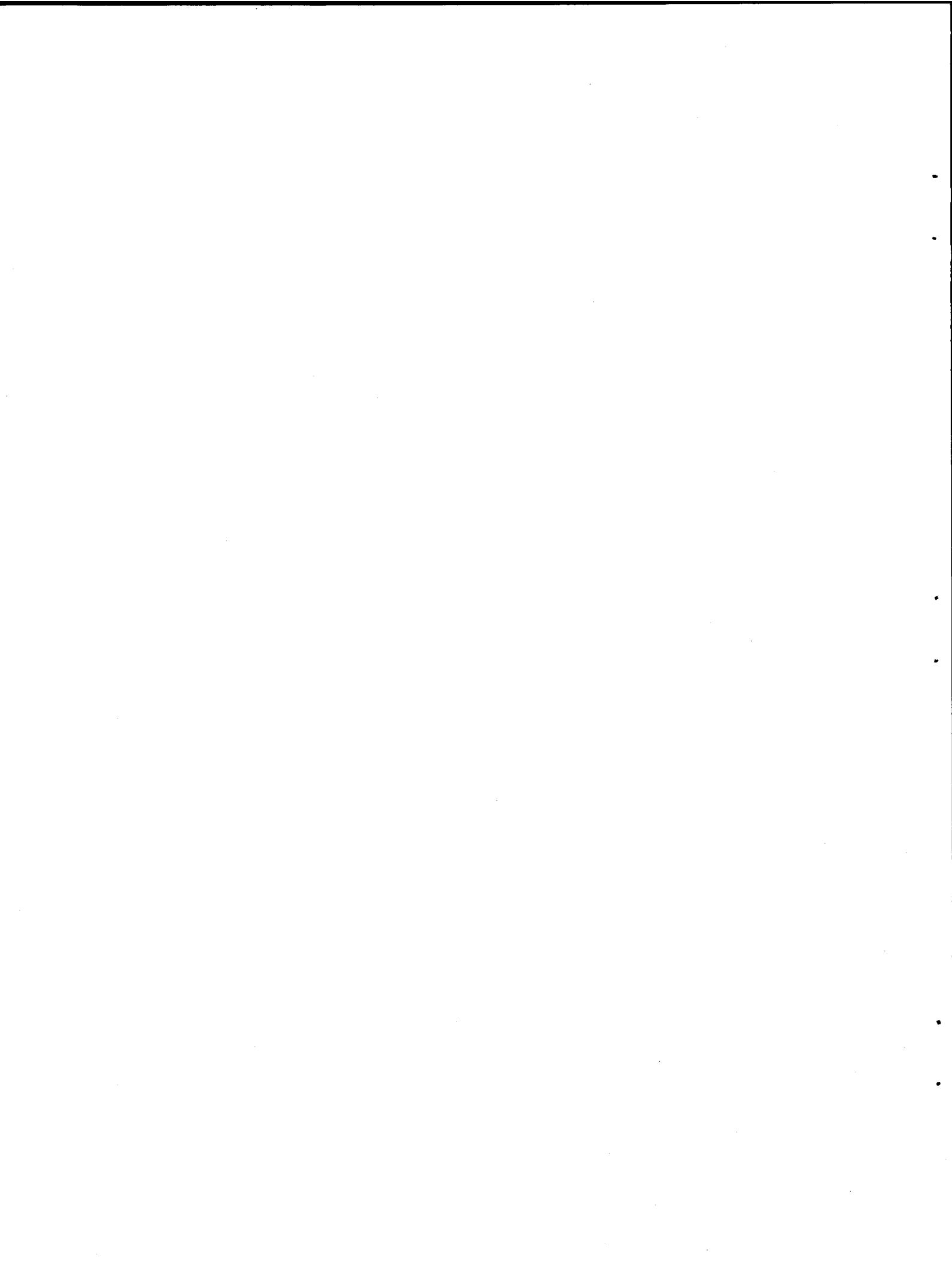
I have the honor to submit to you our annual statistical report for the calendar year 1952. This is in compliance with Compilers Section 24.9, C. L. 1948.

Very respectfully yours,

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

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

AEH:DS



# TABLES

# CHARTS

## TABLES

	1930-1952	Area	Page
Table 1	Reported Cases of Certain Communicable Diseases. . . . .	State	4
Table 2	Deaths Due to Certain Communicable Diseases, and Rates . . . . .	State	5
Table 3	Deaths Due to Specified Causes, and Rates. . . . .	State	10
Table 4	Births, Deaths, Deaths Under 1 Year, Deaths Under 28 Days, Maternal Deaths, Fetal Deaths, Marriages and Divorces, and Rates; Population . . . . .	State	12
1952			
Table 5	Reported Cases of Certain Communicable Diseases by Place of Residence. . . . .	Local	18
Table 6	Accidental Deaths by Age, Place, and Type of Accident. . . . .	State	22
Table 7A	Deaths by Intermediate List of Causes (and rates), Sex, and Age. . . . .	State	24
Table 7B	Deaths by Detailed List of Causes (and rates), Sex, and Age. . . . .	State	27
Table 8	Deaths by Cause and Residence. . . . .	Local	43
Table 9	Leading Causes of Death by Age Group . . . . .	State	60
Table 10	Deaths Under 5 Years by Cause and Detailed Age . . . . .	State	64
Table 11	Deaths Under 5 Years by Detailed Age and Residence . . . . .	Local	66
Table 12	Births, Deaths, Deaths Under 1 Year, Deaths Under 28 Days, Maternal Deaths, Marriages and Divorces, and Rates by County; Population . . . . .	County	72
Table 13	Births, Deaths and Rates by Place of Occurrence and Residence: Births by Place of Delivery, Attendant at Birth, Number Born in Plural Births, Sex, Color, Illegitimacy, and Fetal Deaths by Place of Residence: Deaths, Deaths Under 1 Year, Deaths Under 28 Days, Maternal Deaths, and Rates by Place of Residence: Population. . . . .	Local	73
Table 14	Marriages by Order of Marriage and Age of Bride and Groom. . . . .	State	77
Table 15	Marriages by Residence Status of Bride and Groom . . . . .	State	77
Table 16	Divorces by Cases Contested, Libellant, Number of Children; Annulments: by County of Decree. . . . .	County	79

## CHARTS

Record Health Events, 1952 . . . . .	3
Age at Death - A Changing Pattern, Percentage Distribution: Michigan, Since 1900. . . . .	6
Tuberculosis Deaths - Shifting Age Pattern, Percentage Distribution: Michigan - 1930, 1952. . . . .	7
Newly Reported Cases of Tuberculosis, Percentage Distribution by Age Groups: Michigan, 1952 . . . . .	8
Mortality Trends for Certain Chronic Diseases: Michigan, 1930 - 1952. . . . .	9
Highlights of Health in Michigan, 1952 Related to 1951 . . . . .	11
Birth and Death Rates: Michigan, 1940 - 1952. . . . .	13
Michigan's Vital Index Indicates a Rapidly Growing State: 1900 - 1952 . . . . .	14
Record Birth Year - 1952 (comparison of births with decreasing infant and maternal mortality rates, 1930 - 1952). . . . .	15
Number of Live Births, Infant and Maternal Death Rates: Michigan, 1930 - 1952 . . . . .	16
Accidents, 4th Leading Cause of Death, Took the Lives of 3,857 People in Michigan During 1952. . . . .	17
Ten Leading Causes of Death, Distribution by Age Groups: Michigan, 1952 . . . . .	23
Leading Causes of Death in Michigan in 1952. . . . .	58
Leading Causes of Death by Age Groups: Michigan, 1952 . . . . .	59
177,835 Babies Born; 4,689 Died Under 1 Year of Age (causes of infant deaths): Michigan, 1952. . . . .	61
Infant Mortality: Michigan - 1930, 1940, 1950, 1952 . . . . .	62
a) Trends - Death Rates Under 1 Year and Under 1 Week	63
b) Certain Causes of Infant Deaths	68
Population Changes by Economic Areas: Michigan - 1930, 1940, 1950, 1952 . . . . .	69
6,708,000 People in Michigan in 1952; Where Were They Living? . . . . .	69
177,835 Babies Born to Michigan Residents in 1952; Where Were Their Parents Living? . . . . .	70
59,138 People Residing in Michigan Died in 1952; Where Were They Living? . . . . .	71
Marriages and Divorces: Michigan, 1940 - 1952 . . . . .	78

**SYMBOLS USED IN THIS REPORT**

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

## INTRODUCTION

This report contains health statistics concerning communicable diseases, births, deaths, fetal deaths, marriages, and divorces in Michigan during 1952 and previous years. The first four tables in this report include information pertaining to the years 1930-1952; the remaining tables contain only 1952 statistics.

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

1) Incomplete Registration and Delay in Filing:

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

2) Population Trend:

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

3) Residence Allocation:

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

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

4) Changes in Classification of Causes of Death:

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

5) State Economic Areas:

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

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

Michigan has 7 metropolitan and 9 non-metropolitan areas. These are the areas referred to on pages 68, 69, 70, and 71 in this report. Since no agricultural tabulations have been prepared for this report no reference is made to the subdivision of the 9 non-metropolitan areas.

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

# RECORD HEALTH EVENTS

1952

BIRTHS — 177,835

LARGEST ANNUAL REGISTRATION

DEATH RATE — 8.8

(per 1,000 population)

ALL TIME LOW

SOARING VITAL INDEX

301 BIRTHS PER 100 DEATHS

TUBERCULOSIS

FIRST YEAR NOT AMONG  
TEN LEADING CAUSES OF DEATH

TABLE 1 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES  
MICHIGAN, 1930 - 1952

YEAR	Diphtheria	Scarlet fever	Smallpox	Typhoid fever	Whooping cough	Measles	Tuberculosis (all forms)	Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Chancroid
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	1112	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	5,471	270	215	16,046	12,565	244
1946	385	5,977	3	85	8,116	42,261	5,548	185	1,091	18,051	12,635	206
1947	238	4,634	1	77	10,472	9,574	6,470	113	646	15,276	10,989	216
1948	126	5,934	-	49	2,668	42,952	6,109	107	775	12,100	9,448	465
1949	119	8,852	-	48	4,157	20,279	5,953	120	2,909	8,740	9,427	336
1950	84	4,665	-	43	9,184	38,245	5,538	133	2,029	6,830	8,678	202
1951	48	8,181	-	33	3,156	15,227	6,144	138	1,463	6,532	8,494	187
1952	45	8,325	-	53	1,992	32,941	6,152	169	3,912	7,377	7,691	58

TABLE 2 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES  
MICHIGAN, 1930 - 1952

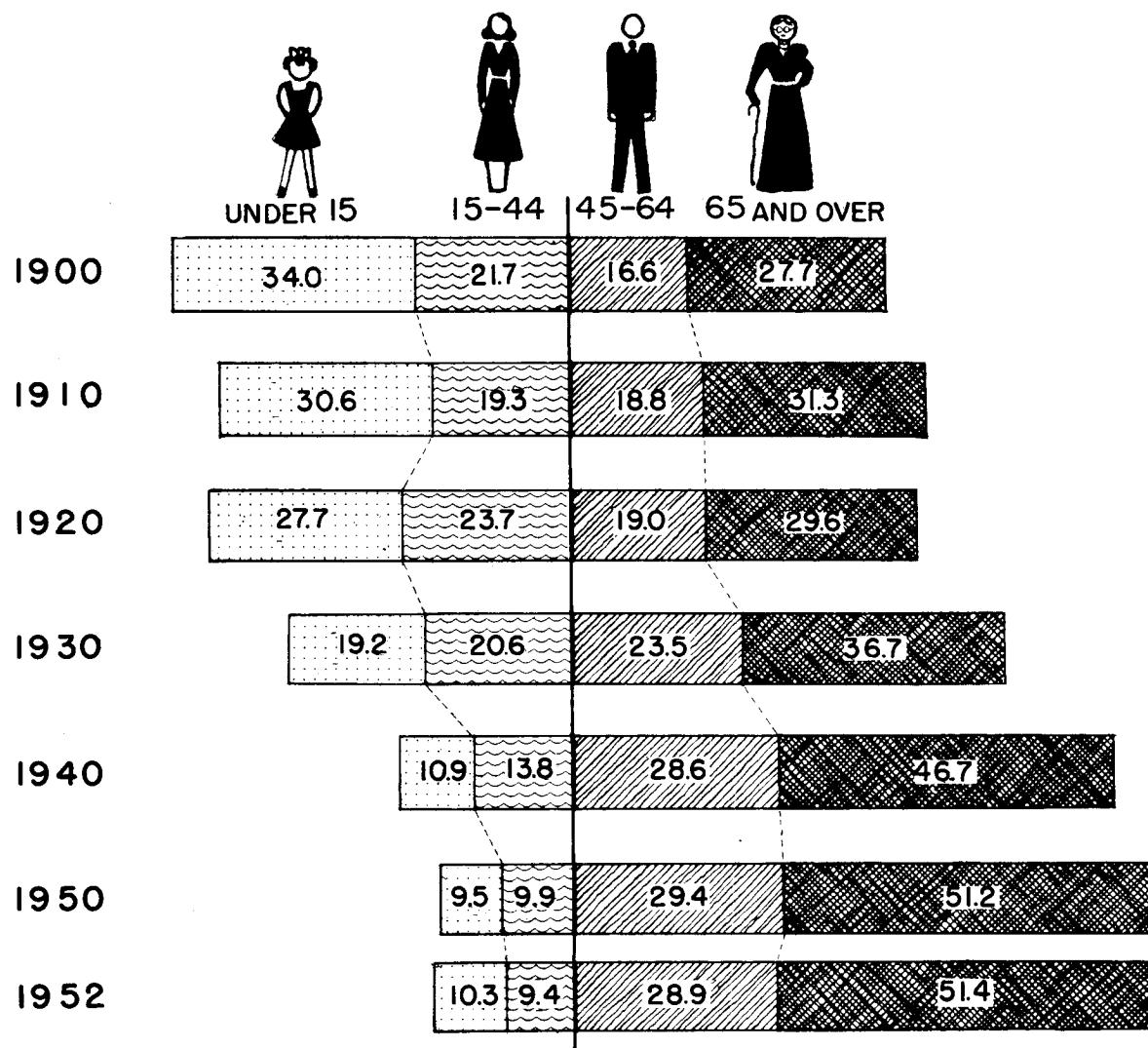
(Rates per 100,000 Population)

YEAR	Diphtheria		Scarlet Fever		Smallpox		Typhoid Fever		Whooping Cough		Measles		Pneumonia (all forms)		Tuberculosis of the Respiratory System		Tuberculosis (all forms)	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1930	299	6.2	130	2.7	9	0.2	87	1.8	176	3.6	231	4.8	3,321	68.6	2,443	50.5	2,912	60.1
1931	172	3.5	122	2.5	4	0.1	73	1.5	190	3.9	28	0.6	2,883	59.0	2,263	46.3	2,660	54.5
1932	106	2.2	112	2.3	1	0.0	56	1.1	199	4.0	183	3.7	3,238	65.7	2,101	42.7	2,463	50.0
1933	112	2.3	157	3.2	-	0	50	1.0	153	3.1	111	2.2	2,756	55.5	1,996	40.2	2,348	47.3
1934	36	0.8	171	3.4	-	0	65	1.3	141	2.8	36	0.7	3,466	69.2	1,909	38.1	2,199	43.9
1935	58	1.1	98	1.9	-	0	34	0.7	132	2.6	184	3.6	3,801	75.3	1,741	34.5	2,044	40.5
1936	52	1.0	114	2.2	-	0	37	0.7	107	2.1	12	0.2	4,096	80.5	1,816	35.7	2,100	41.3
1937	72	1.4	148	2.9	1	0.0	29	0.6	132	2.6	11	0.2	4,098	79.8	1,860	36.2	2,119	41.3
1938	44	0.9	87	1.7	-	0	23	0.4	116	2.2	100	1.9	2,869	55.5	1,633	31.6	1,866	36.1
1939	25	0.5	69	1.3	-	0	25	0.5	76	1.5	29	0.6	2,803	53.8	1,651	31.7	1,881	36.1
1940	20	0.4	41	0.8	1	0.0	11	0.2	59	1.1	19	0.4	2,478	47.1	1,547	29.4	1,752	33.3
1941	18	0.3	32	0.6	1	0.0	14	0.3	91	1.7	65	1.2	2,235	41.1	1,532	28.2	1,723	31.7
1942	24	0.4	23	0.4	-	0	5	0.1	72	1.3	8	0.1	2,349	42.4	1,630	29.4	1,827	33.0
1943	21	0.4	11	0.2	-	0	9	0.2	101	1.9	89	1.7	2,931	54.5	1,588	29.5	1,802	33.5
1944	32	0.6	7	0.1	1	0.0	7	0.1	33	0.6	49	0.9	2,369	44.1	1,544	28.7	1,748	32.5
1945	46	0.8	9	0.2	-	0	3	0.1	36	0.7	10	0.2	1,932	35.5	1,591	29.3	1,758	32.3
1946	27	0.5	3	0.1	-	0	6	0.1	44	0.8	47	0.8	1,891	33.1	1,645	28.8	1,843	32.3
1947	23	0.4	6	0.1	-	0	5	0.1	63	1.0	5	0.1	2,089	34.4	1,483	24.4	1,643	27.1
1948	8	0.1	1	0.0	-	0	4	0.1	9	0.1	43	0.7	1,853	29.9	1,395	22.5	1,561	25.2
1949	11	0.2	4	0.1	-	0	1	0.0	22	0.3	33	0.5	1,885	29.7	1,254	19.7	1,400	22.0
1950	2	0.0	1	0.0	-	0	5	0.1	28	0.4	28	0.4	1,358	21.3	1,134	17.8	1,270	19.9
1951	6	0.1	-	0	-	0	1	0.0	21	0.3	11	0.2	1,619	24.7	1,049	16.0	1,154	17.6
1952	2	0.0	-	0	-	0	-	0	8	0.1	17	0.3	1,571	23.4	689	10.3	775	11.6

# AGE AT DEATH—*a changing pattern*

## Percentage Distribution

### Michigan, since 1900



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

	UNDER 45 YEARS	45 YEARS & OLDER
1900	56%	44%
1952	20%	80%

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

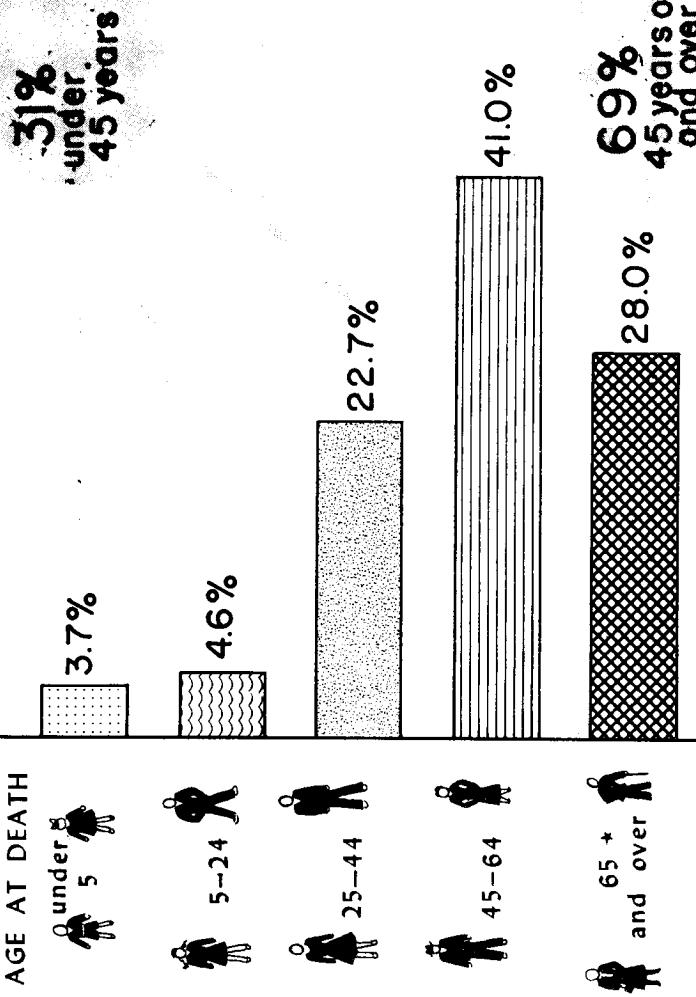
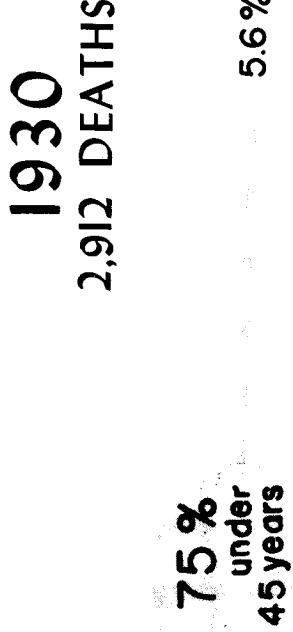
In 1900 approximately 1/3 of all deaths occurred under 15 years of age; the proportion has decreased to only 1/10 at the present time.

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

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

# TUBERCULOSIS DEATHS—SHIFTING AGE PATTERN

PERCENTAGE DISTRIBUTION  
MICHIGAN 1930, 1952



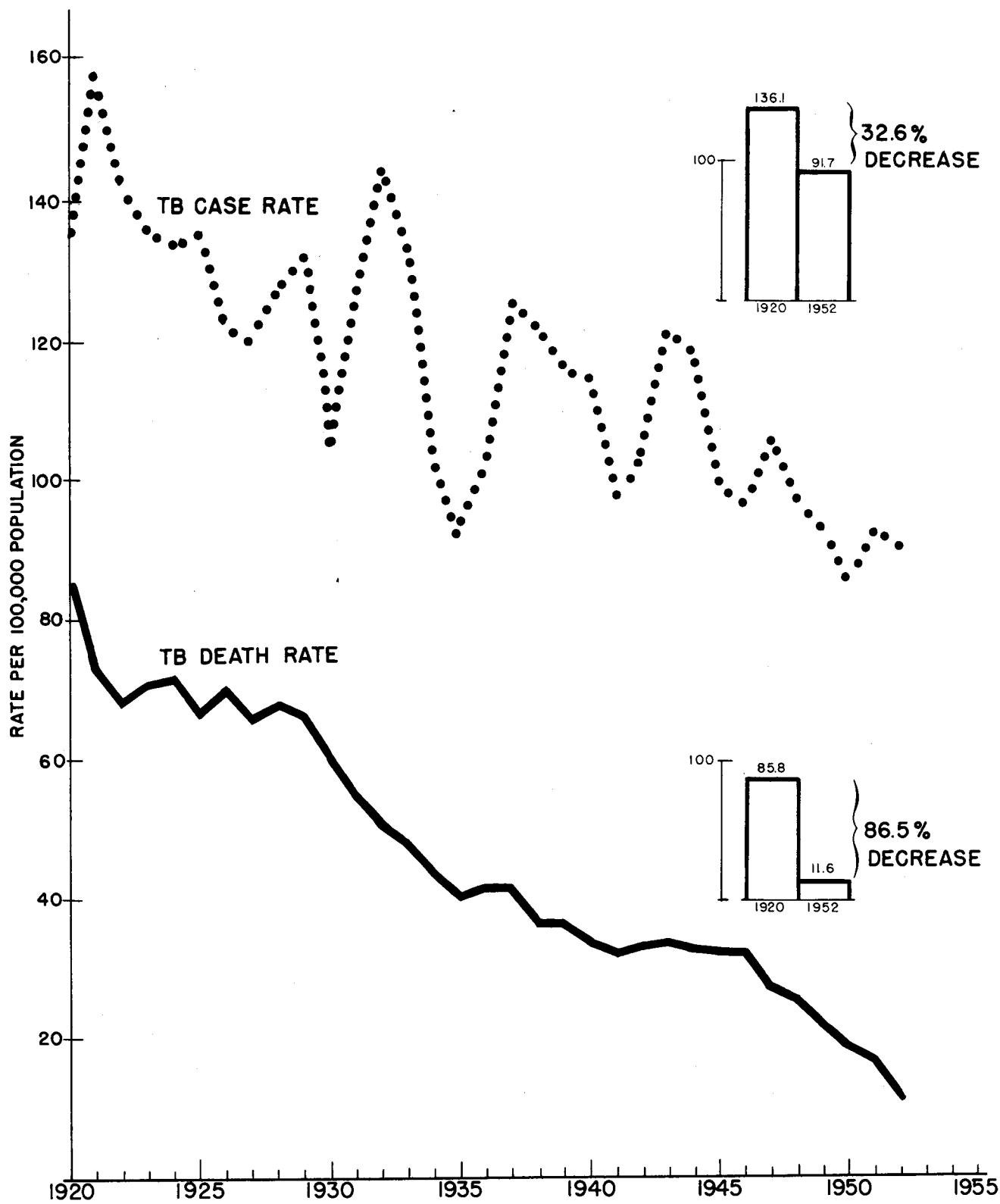
31%  
under  
45 years

69%  
45 years old  
and over

Between the years 1930 and 1952 there has been almost a reversal of the percentage distribution of tuberculosis deaths under and over 45 years of age. In 1930 75% of these deaths were under 45 years of age, while in 1952 69% were 45 years of age or older.

This shifting age pattern is also reflected in the individual age groups. Only a slight decrease occurred in the under 5 age group. However, there were 22% and 20% fewer deaths in the age groups 5-24 and 25-44 respectively, while there were 21% and 23% more deaths in the 45-64 and 65 & older age groups respectively.

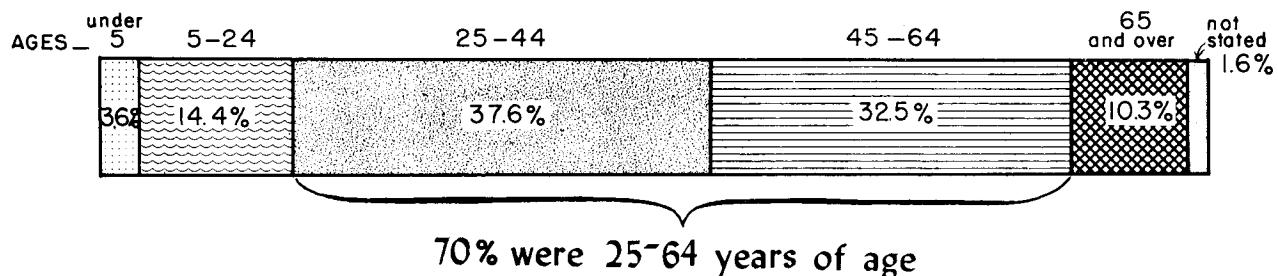
# TUBERCULOSIS CASE AND DEATH RATES MICHIGAN 1920-1952



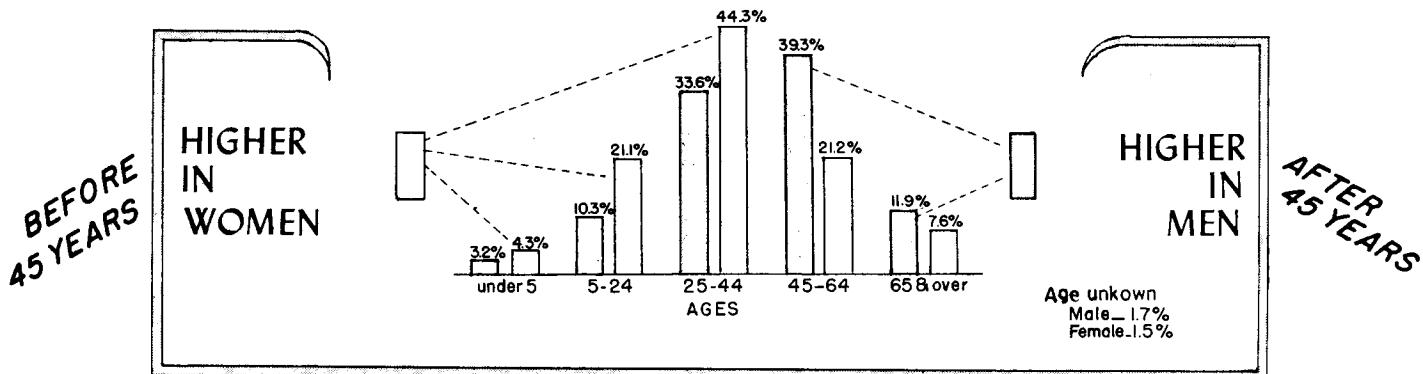
# NEWLY REPORTED CASES OF TUBERCULOSIS

## MICHIGAN 1952

### ALL CASES: PERCENTAGE DISTRIBUTION BY AGE GROUPS

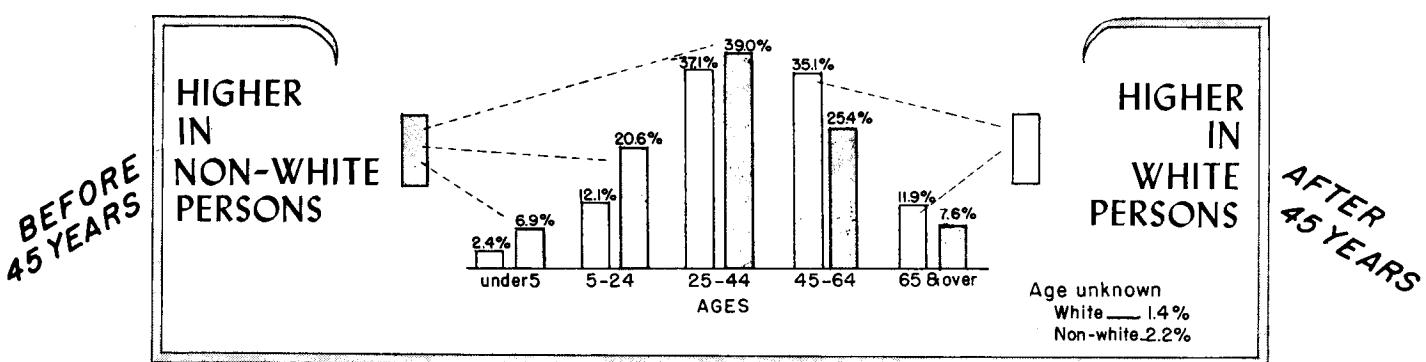


### MEN AND WOMEN: COMPARISON OF PERCENTAGE DISTRIBUTION BY AGE GROUPS



APPROXIMATELY 70% OF THE REPORTED CASES AMONG WOMEN WERE UNDER 45 YEARS OF AGE, WHILE SLIGHTLY LESS THAN HALF (47%) OF THE MEN WERE IN THIS AGE RANGE.

### WHITES AND NON-WHITES: COMPARISON OF PERCENTAGE DISTRIBUTION BY AGE GROUPS



APPROXIMATELY TWO-THIRDS (67%) OF THE REPORTED CASES AMONG NON-WHITES WERE UNDER 45 YEARS OF AGE, WHILE ABOUT HALF (52%) OF THE WHITES WERE IN THIS AGE RANGE.

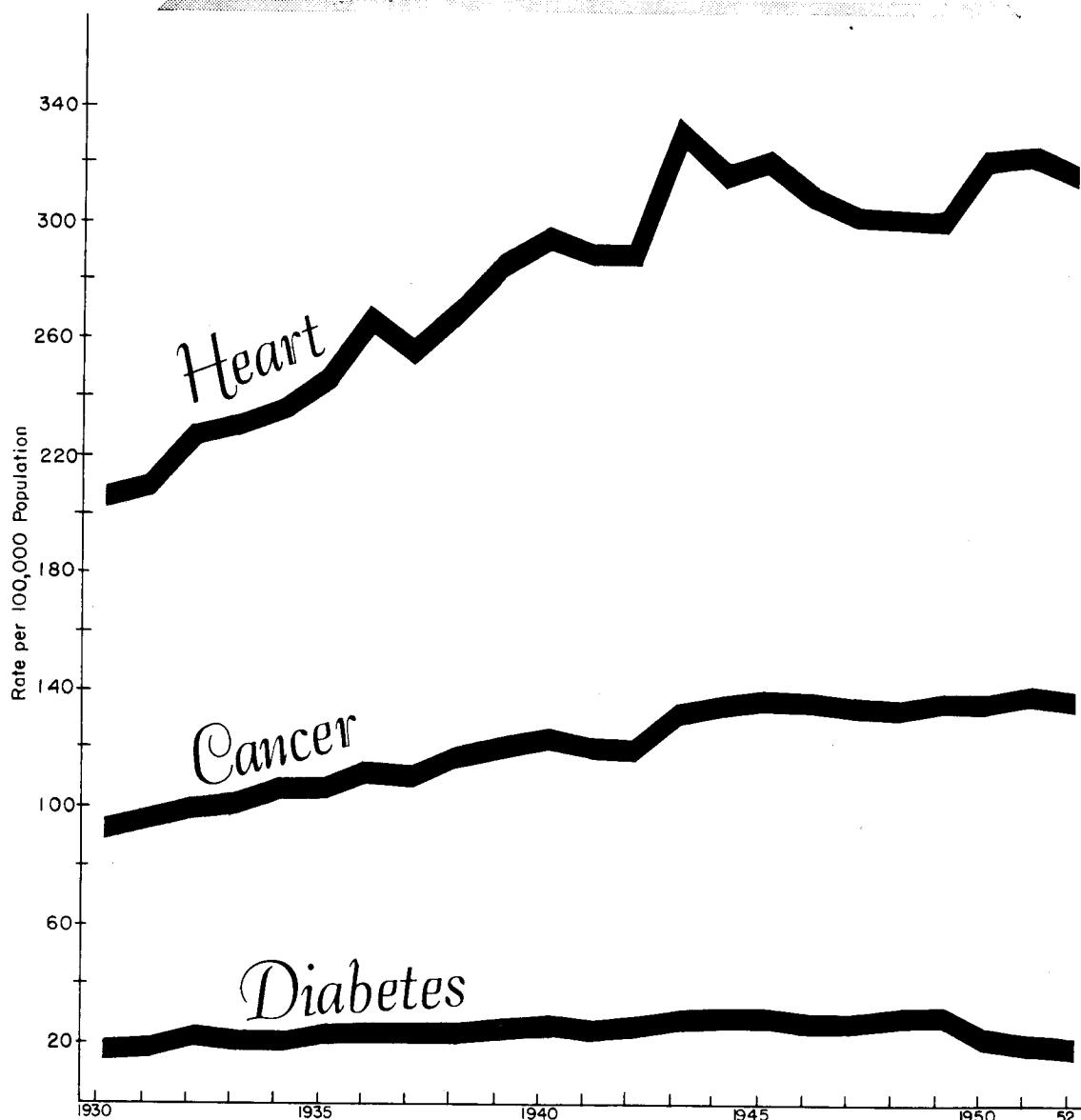
TABLE 3 - DEATHS DUE TO SPECIFIED CAUSES, AND RATES  
MICHIGAN, 1930 - 1952

(Rates per 100,000 population)

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

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

# MORTALITY TRENDS CERTAIN CHRONIC DISEASES MICHIGAN 1930-1952



Heart. The leading cause of death throughout the past half century has been diseases of the heart; the highest death rate of 331.3 was reached during the war year of 1943, and was followed by a downward trend until 1950. The sudden increase in 1950 reflects the change in classification\* of causes of death. The 1952 rate of 316.8 is approximately 54% higher than that of 205.4 for 1930.

Cancer. The cancer death rates of the past twenty-two years, with minor fluctuations, have continued the upward trend of the previous thirty years. The 1952 rate of 138.0 is 46% higher than that of 94.4 for 1930.

Diabetes. In 1900 the death rate due to diabetes was 9.3. By 1930 it had nearly doubled with a rate of 18.2 and was ranked as the tenth leading cause of death. Since that time the trend continued upward until 1950. The lower rates since that date are largely due to the change in classification\* of causes of death. However, even with these slightly lower rates (20.0 in 1952) diabetes is now the sixth leading cause of death.

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

TABLE 4 - BIRTHS, DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS,  
FETAL DEATHS, MARRIAGES AND DIVORCES, AND RATES; POPULATION  
MICHIGAN, 1930 - 1952

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

YEAR	Population	Live Births	NUMBER				Divorces	Marriages	RATE				Rate Persons Divorced				
			Deaths			Deaths			All Ages			Under 28 Days*					
			All Ages	Under 1 Yr	Under 28 Days*	Maternal Deaths	Fatal Deaths	Maternal	Live Births	10-639	20.4	10.6	62.8	36.6			
1930	4,842,325	98,882	51,561	6,213	3,624	597	3,714	29,482	10,639	20.4	10.6	62.8	36.6	37.6	12.2	4.4	
1931	4,883,703	90,547	49,068	5,187	3,084	539	3,220	28,856	9,507	18.5	10.1	57.3	34.1	59.5	35.6	11.8	3.9
1932	4,925,081	85,254	49,569	4,630	2,798	493	2,980	28,552	7,889	17.3	10.1	54.3	32.9	57.8	36.0	11.6	3.2
1933	4,966,459	80,482	48,507	4,094	2,591	447	2,776	33,132	7,671	16.2	9.8	50.9	32.2	55.5	34.5	13.3	3.1
1934	5,007,837	83,944	50,440	4,377	2,717	450	2,607	43,241	10,124	16.8	10.1	52.1	32.4	53.6	31.1	17.3	4.0
1935	5,049,216	87,403	51,051	4,170	2,550	438	2,717	45,313	10,844	17.3	10.1	47.7	29.2	50.1	31.1	17.9	4.3
1936	5,090,594	88,457	54,777	4,479	2,647	425	2,625	47,023	11,419	17.4	10.8	50.6	29.9	48.0	29.7	18.5	4.5
1937	5,131,972	91,566	53,468	4,374	2,700	326	2,707	47,954	12,472	17.8	10.4	47.8	29.5	35.6	29.6	18.7	4.9
1938	5,173,350	96,962	50,678	4,319	2,734	345	2,732	30,105	10,646	18.7	9.8	44.5	28.2	35.6	28.2	11.6	4.1
1939	5,214,728	94,432	52,017	3,952	2,594	280	2,572	37,725	11,589	18.1	10.0	41.8	27.5	29.6	27.2	14.5	4.4
1940	5,256,106	99,106	52,092	4,022	2,629	292	2,602	46,342	12,054	16.9	9.9	40.6	26.5	29.5	26.3	17.6	4.6
1941	5,337,546	107,498	52,671	4,166	2,687	298	2,769	50,989	13,317	19.8	9.7	38.8	25.0	27.7	25.8	18.8	4.9
1942	5,338,857	124,068	52,738	4,606	3,091	260	3,067	51,582	14,065	22.4	9.5	37.1	24.9	21.0	24.7	18.6	5.1
1943	5,377,329	125,441	56,774	4,804	2,979	237	3,213	44,385	15,259	23.3	10.6	38.3	23.7	18.9	25.6	16.5	5.7
1944	5,377,329	113,586	54,016	4,326	2,784	198	2,874	41,678	18,356	21.1	10.1	38.1	24.5	17.4	25.3	17.8	6.8
1945	5,435,092	111,557	53,641	4,008	2,670	166	2,703	48,329	21,133	20.5	9.9	35.9	23.9	14.9	24.2	17.8	7.0
1946	5,708,415	138,572	54,856	4,541	3,323	163	3,168	78,908	29,158	24.3	9.6	32.8	24.0	11.8	22.9	27.6	10.2
1947	6,069,000	160,275	56,807	5,055	3,677	173	3,222	71,319	21,386	26.4	9.4	31.5	22.9	10.8	21.4	23.5	7.1
1948	6,195,000	153,726	56,520	4,617	3,352	120	3,132	61,986	16,017	24.8	9.1	30.0	21.8	7.8	20.4	20.0	5.2
1949	6,352,000	156,469	57,107	4,520	3,232	105	2,994	53,109	16,274	24.6	9.0	28.9	20.7	6.7	19.1	16.7	5.1
1950	6,371,766	160,055	57,567	4,214	3,043	91	3,095	58,180	15,979	25.1	9.0	26.3	19.0	5.7	19.3	18.3	5.0
1951	6,545,000	172,451	59,181	4,505	3,296	94	3,158	53,411	15,446	26.3	9.0	26.1	19.1	5.4	18.3	16.3	4.7
1952	6,708,000	177,835	59,138	4,689	3,414	82	3,224	50,487	14,925	26.5	8.8	26.4	19.2	4.6	18.1	15.1	4.4

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

1  
9  
5  
2

# HIGHLIGHTS OF HEALTH IN MICHIGAN

related to 1951

## POPULATION

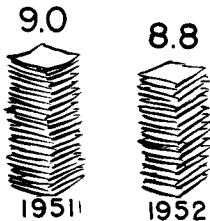
1951 — 6,545,000  
1952 — 6,708,000



*up 2.5%*

## DEATHS

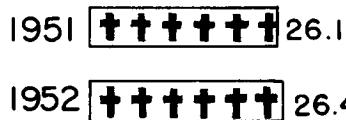
(Rate per 1,000 population)



*down 2.2%*

## INFANT DEATHS

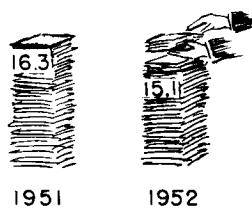
(Rate per 1,000 live births)



*up 1.1%*

## MARRIAGES — PERSONS MARRIED

(Rate per 1,000 population)



*down 7.4%*

## BIRTHS

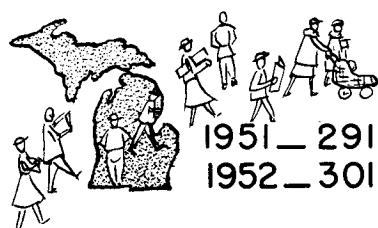
(Rate per 1,000 population)



*up 0.8%*

## VITAL INDEX

(Number of births per 100 deaths)



1951 — 291  
1952 — 301

*up 3.4%*

## MATERNAL DEATHS

(Rate per 10,000 live births)



1951 — 5.4  
1952 — 4.6

*down 14.8%*

## DIVORCES — PERSONS DIVORCED

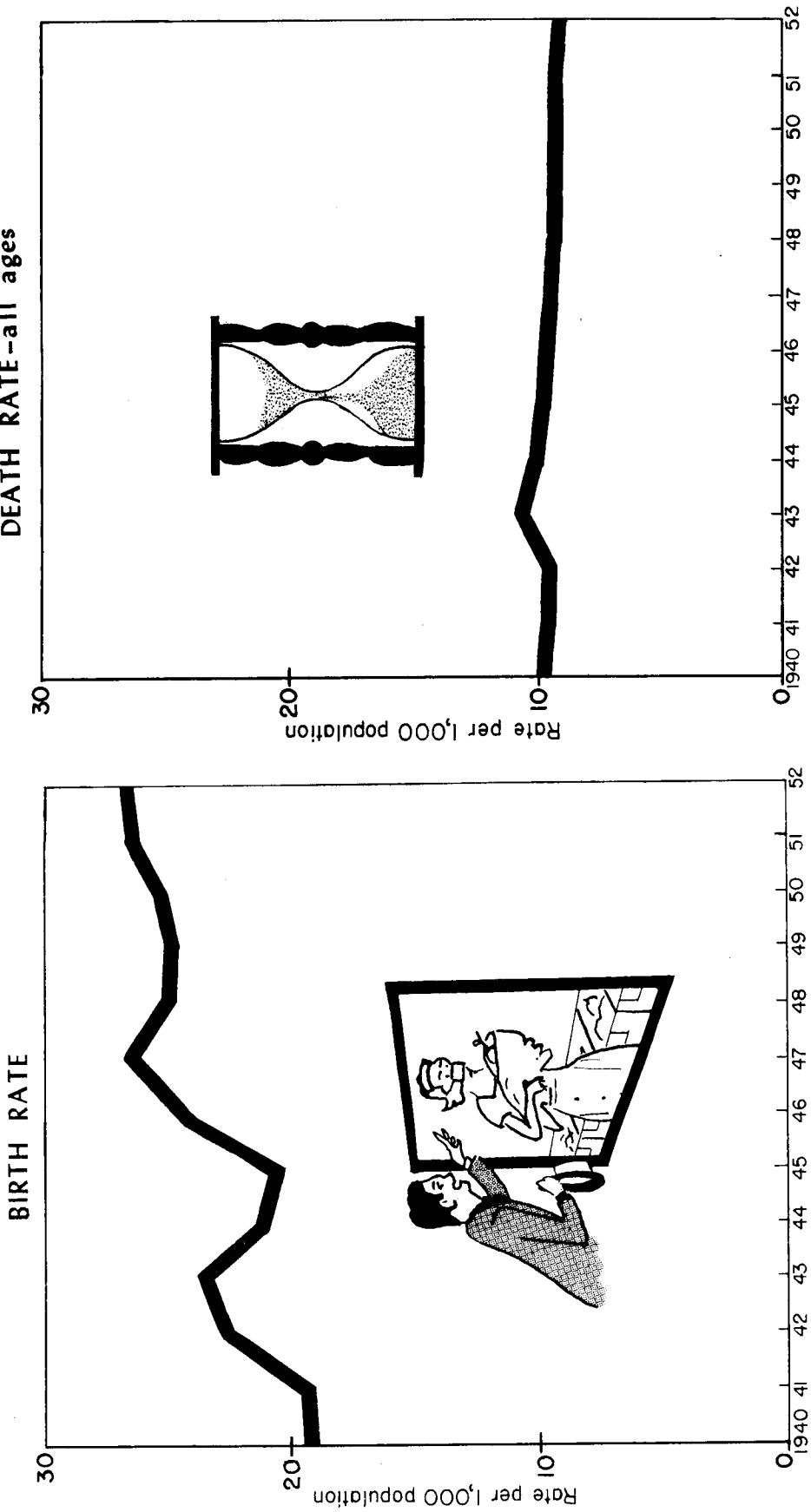
(Rate per 1,000 population)



1951 — 4.7  
1952 — 4.4

*down 6.4%*

# BIRTH AND DEATH RATES MICHIGAN 1940 - 1952

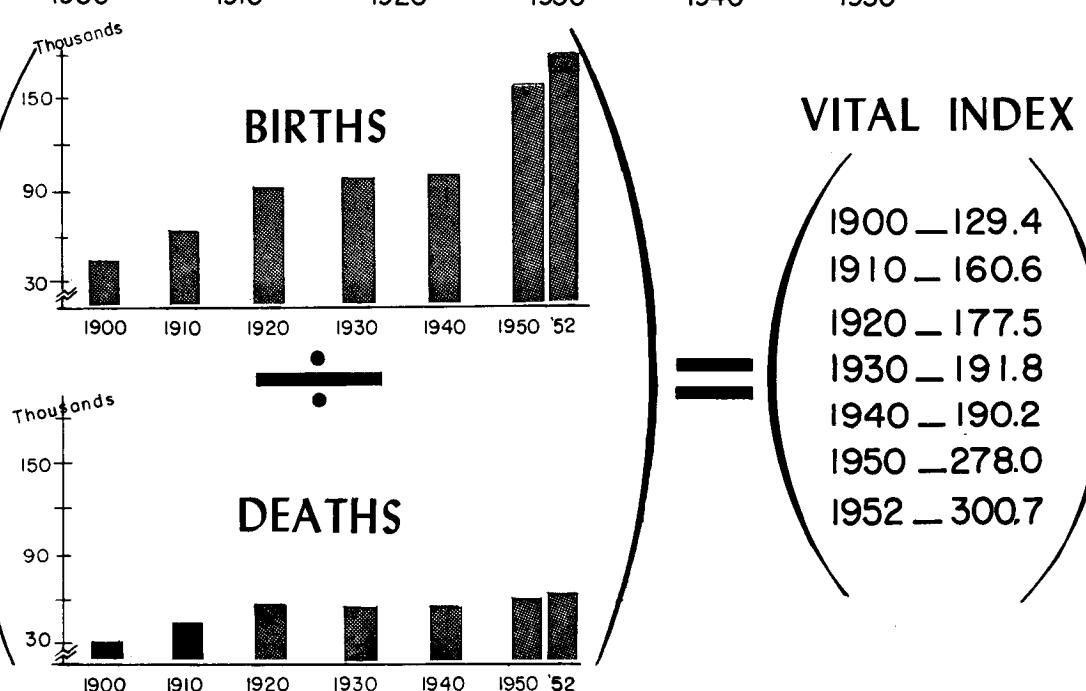
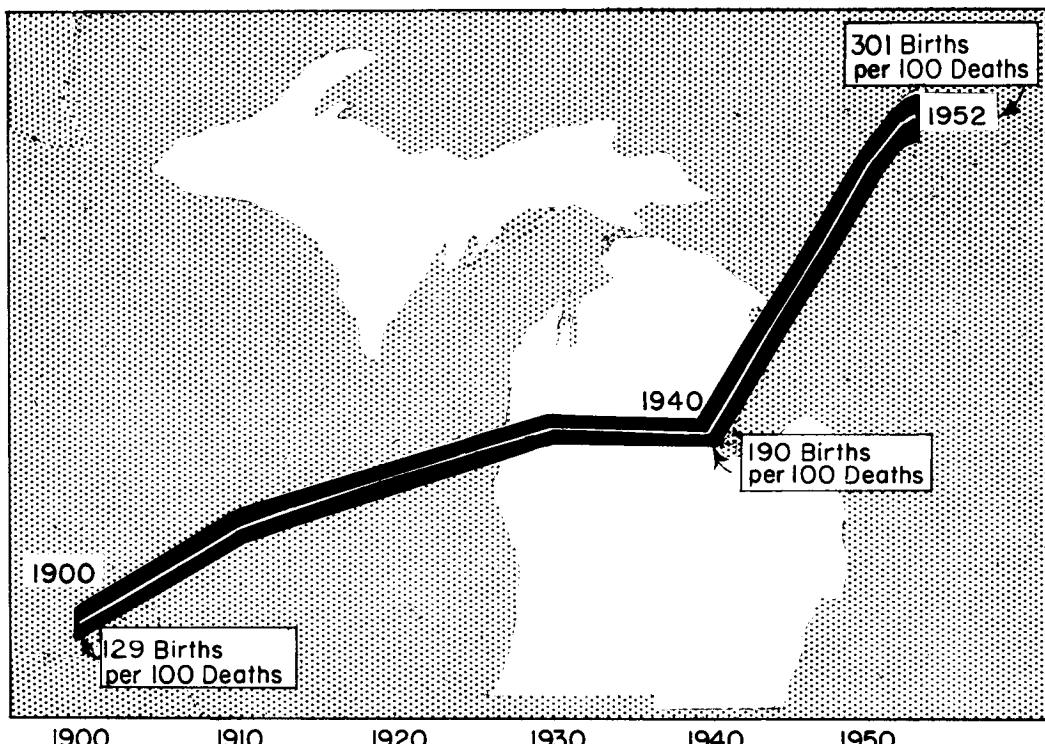


## 1952 - HIGHEST BIRTH RATE AND LOWEST DEATH RATE IN HISTORY OF STATE

Although there have been minor fluctuations in the birth rate since 1940, the general trend has been upward and the 1952 rate of 26.5 is an all-time high, surpassing the previous record rate of 26.4 in 1947. The 1952 Michigan rate of 26.5 is above the estimated 1952 rate of 24.8 for the United States.

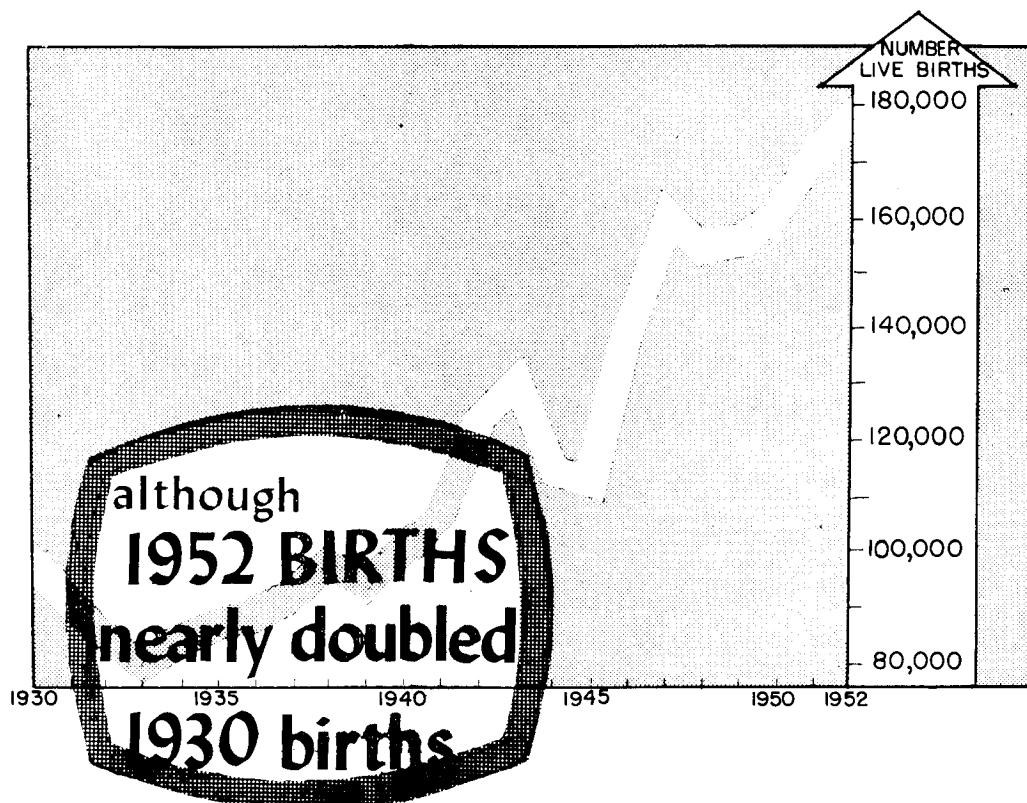
After three years of gradual decline at the beginning of the period, the death rate increased somewhat in 1943; since then the decline has been gradual with the 1952 rate reaching a record low of 8.8. The estimated 1952 rate for the United States was 9.6.

# MICHIGAN'S VITAL INDEX INDICATES A RAPIDLY GROWING STATE



Michigan's vital index of 1952 was approximately 2 1/3 times greater than it was at the beginning of the century. Within the short period of the past twelve years, the index has increased by 58% as compared with an increase of only 47% for the forty year period between 1900 and 1940.

## 1952—RECORD BIRTH YEAR



**INFANT  
DEATH RATE**  
decreased  
58.0%

*Infant Death Rate*  
per 1,000 live births

1930	62.8
1952	26.4

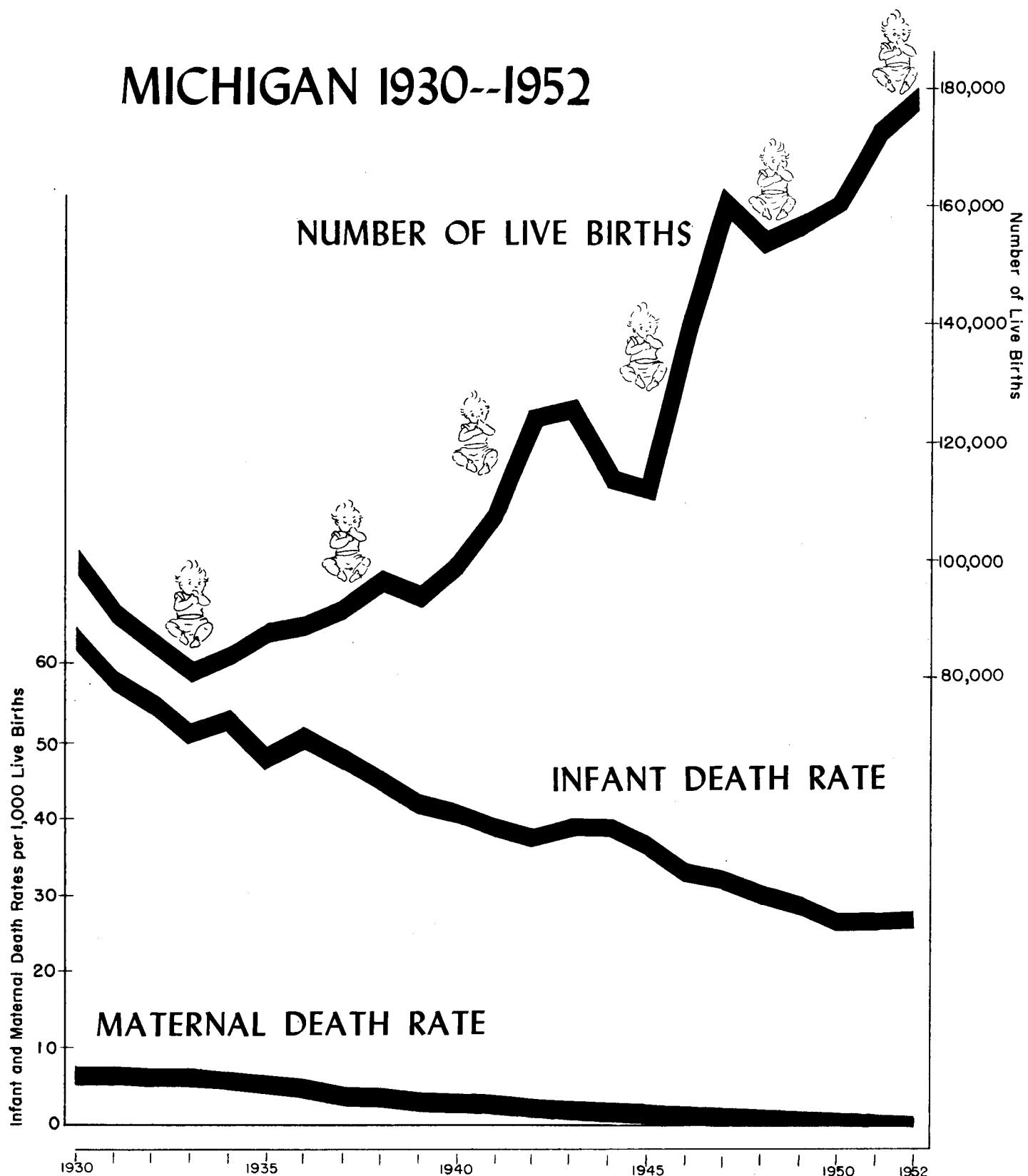
and

**MATERNAL  
DEATH RATE**  
decreased  
92.4%

*Maternal  
Death Rate*  
per 1,000 live births

1930	6.04
1952	0.46

# MICHIGAN 1930--1952



An all-time high of 177,835 Michigan births were recorded during 1952, a figure more than double the depression year low of 1933 and approximately 11% in excess of the previous 1947 postwar peak year.

Along with this notable increase in births, the infant death rate remained approximately the same (26.4 per 1,000 live births) while the maternal death rate reached an all-time low during 1952 of 0.46 per 1,000 live births. The 1952 estimated United States infant mortality and maternal mortality rates were 28.6 and 0.68, respectively.

TABLE 5 - REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLACE OF RESIDENCE  
MICHIGAN, 1952

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
Total	113,536	45	8,325	53	1,992	32,941	767	169	3,912	52	6,152	7,369	7,682	44,077
Alcona	6	-	2	1	-	-	-	-	1	-	-	-	1	1
Alger rural	36	-	-	-	1	2	-	1	2	-	10	-	1	17
Munising	24	-	-	-	-	8	-	-	1	-	1	-	5	14
Allegan rural	295	-	86	-	15	89	8	1	21	1	7	13	1	50
Allegan	174	-	16	-	2	98	1	1	8	-	1	-	1	45
Otsego	29	-	13	-	-	2	3	-	-	-	-	-	-	11
Plainwell	2	-	-	-	1	-	-	-	4	-	1	3	-	-
Alpena rural	13	-	2	-	-	-	-	-	10	-	4	6	2	59
Alpena	95	-	11	-	1	1	-	1	7	-	3	3	3	6
Antrim	57	-	18	-	-	15	2	-	9	-	6	6	-	12
Arenac	70	-	13	-	-	20	4	-	2	-	8	1	-	2
Baraga	18	-	-	-	1	4	-	-	16	1	4	2	1	250
Barry rural	320	-	15	-	5	22	3	1	2	-	-	1	-	22
Hastings	25	-	-	-	-	-	-	-	16	1	4	8	8	104
Bay rural	257	-	65	-	7	18	2	-	39	-	10	6	21	426
Bay City	715	-	121	-	15	68	-	-	27	-	31	-	-	-
Essexville	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Benzie	22	-	1	-	-	5	-	-	12	-	2	30	30	10
Berrien rural	119	-	7	-	-	22	-	-	2	-	18	82	143	-
Benton Harbor	251	-	-	-	-	-	-	-	-	-	26	7	15	93
Niles	187	-	14	-	-	46	-	1	3	-	-	4	4	-
St. Joseph	7	-	-	-	-	-	1	-	-	-	-	1	-	-
Buchanan	14	-	2	1	-	3	-	-	-	-	1	6	4	183
Branch rural	353	-	65	-	1	71	14	-	4	3	2	6	2	35
Coldwater	128	-	35	-	-	47	1	-	1	-	14	13	9	52
Calhoun rural	129	1	9	1	2	14	11	1	1	1	16	21	6	93
Albion	156	-	1	-	7	16	-	3	-	-	-	-	-	-
Battle Creek	464	-	59	2	1	23	7	4	51	1	40	68	131	77
Marshall	74	-	1	1	1	10	-	-	-	-	1	6	4	54
Cass rural	382	3	17	3	1	59	-	-	19	-	-	11	7	17
Dowagiac	43	-	4	-	-	3	-	-	-	-	-	5	3	-
Charlevoix rural	30	-	5	-	-	-	-	-	10	-	-	1	-	-
Boyne City	4	-	1	-	-	-	1	-	-	-	-	3	-	1
Charlevoix	3	-	-	-	-	-	-	-	-	-	-	2	-	-
Cheboygan rural	78	-	5	-	1	14	1	-	2	-	-	2	4	49
Cheboygan	70	1	4	-	3	17	1	-	2	-	-	9	2	39
Chippewa rural	122	-	23	1	12	44	-	1	4	1	-	4	12	101
Sault Ste. Marie	304	-	32	-	10	125	1	-	14	-	-	1	18	-
Clare	30	-	6	-	-	1	-	-	2	-	-	5	1	2
Clinton rural	158	-	19	-	-	36	-	-	20	-	-	3	5	73
St. Johns	45	-	3	-	-	13	-	-	-	1	-	1	-	36
Crawford	55	-	6	-	-	7	2	-	-	1	-	7	5	55
Delta rural	133	-	-	-	8	10	-	-	47	-	-	7	3	30
Escanaba	53	-	1	-	-	8	-	-	4	-	-	7	-	9
Gladstone	36	-	-	-	-	19	-	-	5	-	-	3	-	71
Dickinson rural	87	-	-	-	3	6	-	-	-	-	-	8	-	189
Iron Mountain	237	-	6	-	4	28	-	-	-	-	-	1	-	43
Norway	49	-	1	-	1	3	-	-	-	-	-	1	-	248
Kingsford	308	-	4	-	20	32	-	-	2	-	-	1	13	136
Eaton rural	292	-	26	2	-	80	1	-	17	-	-	3	2	61
Charlotte	105	-	3	-	3	14	-	2	13	-	-	2	-	17
Grand Ledge	82	-	41	-	-	15	1	-	8	-	-	1	-	47
Eaton Rapids	85	-	3	-	-	15	-	-	18	-	-	1	1	8
Emmet rural	36	-	4	-	-	1	1	-	13	-	-	4	1	24
Petoskey	49	-	8	-	-	2	-	-	7	-	-	4	1	3
Genesee rural	1,092	1	157	-	21	193	7	4	126	-	-	20	19	518
Fenton	128	-	5	-	-	115	-	-	2	-	-	1	-	5
Flint	1,317	-	211	-	26	140	15	2	173	-	-	107	179	296
Mt. Morris	2	-	-	-	-	-	-	-	-	-	2	-	-	-

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
Gladwin	58	-	6	-	1	10	-	1	6	2	5	1	24
Gogebic rural	82	-	-	-	2	16	-	-	7	3	7	1	68
Bessemer	45	-	7	-	-	15	-	-	-	-	-	4	27
Ironwood	295	-	-	-	-	-	-	-	-	3	-	3	248
Wakefield	3	-	-	-	-	-	-	-	-	9	-	-	-
Grand Traverse rural	189	-	16	-	9	19	-	-	17	3	11	1	120
Traverse City	56	-	1	-	5	-	-	-	1	7	6	30	30
Gratiot rural	61	-	13	-	1	10	-	1	2	9	10	4	12
Alma	121	-	11	-	-	18	-	-	-	-	6	2	81
St. Louis	9	-	-	-	-	-	-	-	-	-	-	-	4
Hillsdale rural	180	-	12	-	-	61	-	-	32	9	2	-	63
Hillsdale	96	-	2	-	-	4	-	-	34	2	-	2	54
Houghton rural	150	-	2	-	12	40	-	1	12	2	15	1	38
Houghton	11	-	1	-	-	1	-	-	1	5	1	-	2
Laurium	3	-	-	-	-	-	-	-	-	-	-	-	-
Hancock	10	-	-	-	-	-	-	-	2	-	-	-	-
Huron rural	29	-	1	-	-	-	-	-	3	-	-	-	-
Bad Axe	-	-	-	-	-	-	-	-	8	-	5	-	-
Ingham rural	1,318	5	247	-	41	217	-	-	-	-	-	13	663
Lansing	1,965	-	363	-	60	568	-	1	91	13	24	121	664
East Lansing	366	-	54	-	8	63	-	1	59	52	70	10	202
Mason	24	-	3	-	-	4	-	-	20	3	4	-	8
Ionia rural	50	-	2	-	2	6	-	-	12	1	-	12	5
Belding	34	-	-	-	2	27	-	-	1	-	-	6	4
Ionia	7	-	-	-	-	-	-	-	1	-	-	-	-
Portland	18	-	10	-	-	-	-	-	1	1	5	-	4
Iosco	18	-	-	-	-	-	-	-	7	1	-	-	1
Iron rural	69	-	14	-	-	-	-	-	10	4	4	-	34
Iron River	7	-	-	-	-	-	-	-	-	7	-	-	-
Isabella rural	236	-	49	-	3	6	-	-	8	6	7	1	152
Mt. Pleasant	93	-	3	-	-	-	-	-	7	7	5	3	37
Jackson rural	112	-	8	-	2	1	-	-	66	13	3	9	9
Jackson	527	-	55	-	4	42	2	1	42	56	17	55	253
Kalamazoo rural	1,218	1	236	-	12	437	11	2	54	6	9	-	-
Kalamazoo	1,096	-	119	-	7	434	6	1	30	25	25	80	444
Kalkaska	17	-	2	-	-	6	-	-	2	4	1	-	369
Kent rural	2,125	-	255	-	24	888	3	2	84	67	24	7	770
Grand Rapids	5,695	-	357	-	26	2,952	6	4	102	114	170	267	1,697
E. Grand Rapids	122	-	3	-	-	2	79	-	3	5	1	-	29
Keweenaw	27	-	1	-	-	6	4	-	-	5	1	-	10
Lake	29	-	-	-	11	3	-	-	-	3	5	4	3
Lapeer rural	43	-	3	-	1	-	-	-	12	6	10	7	54
Lapeer	90	-	-	-	-	20	-	-	5	7	3	1	9
Leelanau	79	-	4	-	3	47	-	-	6	4	5	-	37
Lenawee rural	105	-	5	-	1	4	-	-	20	1	15	5	9
Adrian	244	-	14	-	-	26	-	-	4	16	12	5	167
Tecumseh	6	-	1	-	-	-	-	-	-	5	-	-	-
Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-
Livingston rural	44	-	-	-	-	-	-	-	-	-	-	-	-
Howell	8	-	-	-	-	-	-	-	28	1	7	2	-
Luce rural	60	-	2	4	-	2	-	-	3	5	2	-	43
Newberry	130	-	1	-	2	13	-	-	5	1	-	1	108
Mackinac rural	20	-	-	-	-	-	-	-	-	7	6	7	-
St. Ignace	119	-	2	-	-	-	-	-	-	-	-	-	-
Macomb rural	785	5	52	-	5	45	14	4	40	-	60	23	315
Mt. Clemens	205	-	9	-	-	262	4	4	-	12	15	23	61
Centerline	88	-	1	-	-	76	4	-	14	-	16	3	36
East Detroit	774	-	18	-	2	314	2	1	17	-	20	3	395
Roseville	226	-	15	-	3	82	3	1	20	1	19	10	69
Romeo	42	-	-	-	-	22	-	-	5	-	1	-	14
St. Clair Shores	343	-	24	1	-	184	2	-	21	-	18	13	80
Manistee rural	91	-	4	-	-	33	-	-	3	3	3	5	39
Manistee	302	-	7	-	177	-	-	1	3	6	6	3	104

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

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

AREA	Total	Diphtheria	Streptococcal Sore throat Influenza Scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
St. Joseph rural	121	-	-	-	2	20	2	-	11	5	5	3	1	61
Sturgis	31	-	4	-	4	5	-	-	3	8	2	-	-	5
Three Rivers	31	-	-	-	-	1	-	-	8	3	1	1	-	17
Tuscola rural	49	-	1	-	-	3	-	-	15	14	9	3	3	4
Caro	2	-	-	-	-	-	-	-	-	2	-	-	-	-
Vassar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Van Buren rural	387	-	51	1	10	122	3	1	48	8	21	8	7	114
South Haven	14	-	-	-	-	-	-	-	-	3	4	-	-	-
Washtenaw rural	1,298	-	46	6	25	635	1	1	42	23	32	31	31	456
Ann Arbor	1,154	-	21	-	-	438	1	2	21	54	33	10	10	574
Ypsilanti	726	-	40	-	11	315	2	2	11	17	26	26	36	266
Chelsea	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Milan (part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wayne rural	11,718	-	562	-	66	4,190	54	16	289	1	211	60	14	6,255
Ecorse	79	-	-	-	-	-	-	-	-	16	38	-	-	-
Hamtramck	353	-	7	-	4	36	-	2	9	72	17	34	34	172
River Rouge	139	-	-	-	-	-	-	-	-	46	42	51	-	-
Detroit	35,669	17	1,556	10	668	9,111	377	52	746	3	3,238	4,728	4,647	10,516
Highland Park	631	-	25	1	10	304	1	1	4	-	77	46	19	143
Plymouth	62	-	-	-	-	-	-	-	-	44	14	4	-	-
Wyandotte	106	-	1	-	-	15	-	-	-	12	41	17	3	17
Dearborn	1,709	-	114	-	7	605	8	-	48	-	185	63	13	666
Grosse Pt. Farms	5	-	-	-	-	-	-	-	-	-	4	-	1	-
Grosse Pt. Park	7	-	-	-	-	-	-	-	-	-	6	1	-	-
Grosse Pt.	11	-	-	-	-	-	-	-	-	-	7	2	2	-
Grosse Pt. Woods	3	-	-	-	-	-	-	-	-	-	3	-	-	-
Inkster	145	-	-	-	-	-	-	-	-	-	51	54	40	-
Lincoln Park	61	-	-	-	-	-	-	-	-	-	42	11	8	-
Melvindale	10	-	-	-	-	-	-	-	-	-	6	1	3	-
Northville (part)	15	-	-	-	-	-	-	-	-	-	15	-	-	-
Trenton	16	-	-	-	-	-	-	-	-	-	9	5	2	-
Wayne	78	-	-	-	-	-	-	-	-	-	46	21	11	-
Allen Park	21	-	-	-	-	-	-	-	-	-	16	4	1	-
Garden City	34	-	-	-	-	-	-	-	-	-	22	9	3	-
Livonia	10	-	-	-	-	-	-	-	-	-	10	-	-	-
Wexford rural	177	-	10	-	-	101	1	4	12	1	2	-	-	46
Cadillac	301	-	22	-	-	186	-	1	31	-	1	5	3	52

\* Includes:

Actinomycosis	1	Infectious hepatitis, including serum hepatitis	238	Rabies in animals	185
Bites, dog	9,867	Infectious mononucleosis	145	Ringworm	1,329
Blastomycosis	1	Influenza	114	Rubella	3,104
Chickenpox	17,694	Keratoconjunctivitis	21	Salmonella infections	132
Diarrhea, epidemic (infants under 1 year)	76	Malaria	3	Scabies	357
Dysentery, amebic	125	Meningitis, influenzal	36	Tetanus	8
Dysentery, bacillary	211	Mumps	9,255	Trachoma	1
Encephalitis, infectious	61	Pediculosis	146	Trichinosis	2
Erysipelas	59	Pink eye	276	Tularemia	3
Impetigo	578	Psittacosis	3	Weil's disease	1

Note: In some counties the reported cases of certain diseases are not itemized for each minor civil division of the county. These cases are included in the rural area totals of the counties concerned.

TABLE 6 - ACCIDENTAL DEATHS BY AGE, PLACE, AND TYPE OF ACCIDENT  
MICHIGAN, 1952

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

TYPE OF ACCIDENT	All Ages	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and Over	Age Unknown
GRAND TOTAL	3,857	338	273	511	820	867	1,046	2
OCCUPATIONAL TOTAL	240	-	2	16	97	90	35	-
Agriculture	49	-	2	3	10	13	21	-
Mining, Quarrying, Oil and Gas Wells	29	-	-	1	12	14	2	-
Manufacturing	62	-	-	3	23	31	5	-
Construction	28	-	-	3	12	11	2	-
Transportation	4	-	-	-	3	-	1	-
Public Utilities	13	-	-	1	9	3	-	-
Trade	9	-	-	1	4	4	-	-
Service	17	-	-	2	9	4	2	-
Other Specified Industry	26	-	-	2	14	8	2	-
Unspecified Industry	3	-	-	-	1	2	-	-
HOME TOTAL	853	188	58	20	62	137	388	-
Poisonings (gas excepted)	25	9	-	1	6	8	1	-
Poisonings by Gases and Vapors	21	1	3	2	3	8	4	-
Fire Explosion of Combustible Material	186	44	29	9	26	38	40	-
Hot Substance, Corrosive Liquid, Steam	21	15	1	-	-	-	5	-
Mechanical Suffocation	59	51	4	1	2	1	-	-
Firearms	20	1	8	3	5	2	1	-
Falls on Same Level	60	-	-	-	-	5	55	-
Falls to Different Level or Unspecified	382	16	4	1	14	71	276	-
Other Specified Home Accidents	63	42	5	2	5	4	5	-
Unspecified Home Accidents	16	9	4	1	1	-	1	-
MOTOR VEHICLE TOTAL	1,775	75	126	363	494	455	261	1
Injury to Pedestrian	430	29	69	29	43	129	130	1
Collision with Other Motor Vehicle	527	22	21	124	163	140	57	-
Collision with Railroad Train	93	3	1	18	30	30	11	-
Collision with Street Car	1	-	-	-	1	-	-	-
Injury to Pedal Cyclist	23	-	18	4	-	-	1	-
Collision with Animal-Drawn Vehicle or Animal	1	-	-	-	-	1	-	-
Collision with Fixed Object	109	1	1	23	44	27	13	-
Non-Collision	374	11	11	134	141	56	21	-
Other and Unspecified Accident	217	9	5	31	72	72	28	-
PUBLIC NONMOTOR-VEHICLE TOTAL	587	41	80	102	139	129	95	1
Railroad--Not with Motor Vehicle	45	3	7	-	11	17	7	-
Street Car--Not with Motor vehicle	6	-	-	1	1	1	3	-
Other Vehicle--Not with Motor Vehicle	5	-	3	2	-	-	-	-
Water Transportation	98	2	9	27	36	24	-	-
Air Transportation	25	-	-	3	16	6	-	-
Fire, Explosion of Combustible Material	17	1	2	-	6	7	1	-
Hot Substance, Corrosive Liquid, Steam	2	-	-	-	1	-	1	-
Drowning	176	27	41	46	29	21	11	1
Firearms	38	1	6	8	14	5	4	-
Falls on Same Level	32	-	1	-	3	12	16	-
Falls to Different Level or Unspecified	79	2	1	4	6	23	43	-
Other Specified Public Accidents	56	5	7	10	15	11	8	-
Unspecified Public Accidents	8	-	3	1	1	2	1	-
TYPE OF ACCIDENT UNKNOWN	402	34	7	10	28	56	267	-

23

# ACCIDENTS

## 4th LEADING CAUSE OF DEATH

### TOOK THE LIVES OF 3,857 PEOPLE IN MICHIGAN DURING 1952

Where and How?

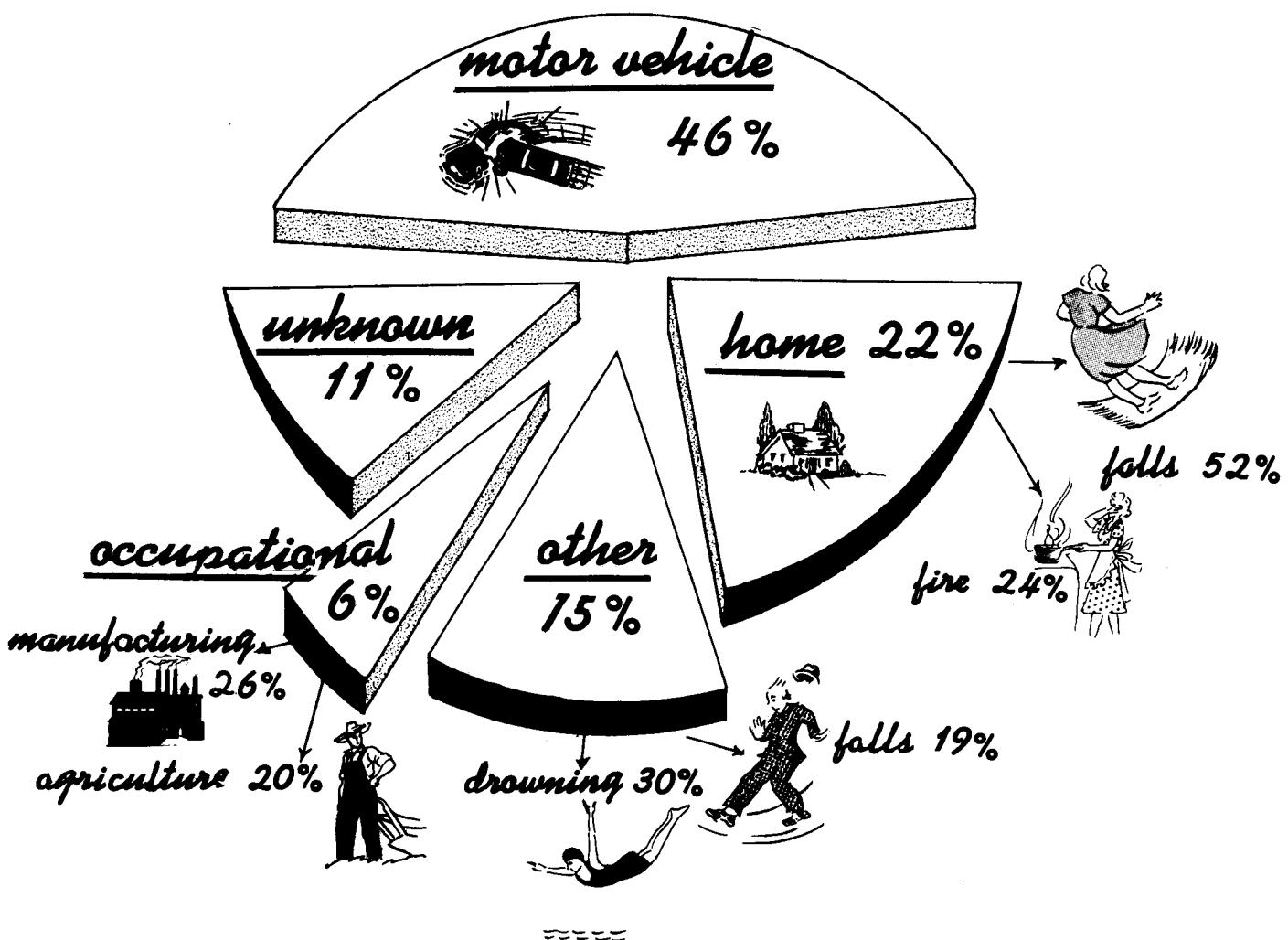


TABLE 7A - DEATHS BY INTERMEDIATE LIST OF CAUSES, SEX, AND AGE

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Sixth Revision of International List, 1948, Intermediate List of 150 Causes with additional subdivisions indicated by detailed list numbers. Rates per 100,000 population.)

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Sex Male Female	AGE IN YEARS												Not Stated Over							
				Under 1 Year	1 -	5 -	10 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -	75 -	80 -	85 -	89 -
Infections of skin and subcutaneous tissue	A 121	15	0.2	7	8	1	1	-	-	1	1	1	1	2	2	-	3	1	-	1	-	1	-
Arthritis and spondylitis	A 122	124	1.6	57	67	1	1	1	1	1	1	7	4	5	5	12	12	21	16	17	15	12	2
Muscular rheumatism and rheumatism, unspecified	A 123	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-
Osteomyelitis and periostitis	A 124	8	0.1	4	4	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	-	2	-
Ankylosis and acquired musculoskeletal deformities	A 125	4	0.1	3	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-
All other diseases of skin and musculoskeletal system	A 126	73	1.1	30	43	4	-	-	-	3	2	1	3	2	9	5	7	12	8	5	1	2	1
CONGENITAL MALFORMATIONS, ALL FORMS	A 127-A 129	970	14.5	543	427	766	62	21	8	7	5	9	9	9	6	6	6	13	7	8	2	4	-
Spina bifida and meningocele	A 127	95	1.4	32	63	67	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
Congenital malformations of circulatory system	A 128	459	6.8	266	193	367	28	6	3	5	4	7	4	8	3	5	6	2	2	2	4	-	-
All other congenital malformations	A 129	416	6.2	245	171	332	29	11	4	2	1	5	1	3	1	7	5	6	2	2	4	-	-
Birth injuries	A 130	512	7.7	300	212	512	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Postnatal asphyxia and atelectasis	A 131	637	9.5	376	261	637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn	A 132	134	2.0	73	61	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia of newborn	763	96	1.4	53	43	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhea of newborn	764	26	0.4	15	11	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
765-768 Other infections of newborn	765	12	0.2	5	7	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn	A 133	151	2.3	89	62	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other defined diseases of early infancy and immaturity unqualified	A 134	107	1.6	61	46	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
773 Ill-defined diseases	A 135	1,320	19.7	763	557	1,320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
774-776 Immaturity	A 136	1,256	18.7	722	534	1,256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
777-779 Infancy	A 137	231	3.4	139	92	20	2	1	2	1	1	3	5	5	12	11	30	29	20	44	20	13	10
III-defined and unknown causes of mortality	A 138-AE147	3,901	58.2	2,696	1,205	1,40	201	153	123	290	261	232	199	207	194	183	232	213	212	180	206	145	92
ACCIDENTS, ALL FORMS	AE138	1,815	27.1	1,342	473	13	63	80	52	197	162	115	119	112	90	124	107	132	97	89	42	23	8
Motor vehicle accidents	AE139	192	2.9	1,73	19	53	29	1	12	3	14	13	32	20	21	16	11	13	15	8	10	4	2
Other transport accidents	AE140	82	1.2	458	445	7	12	1	2	4	9	3	8	2	9	5	1	5	2	1	1	-	-
Accidental poisoning	AE141	863	13.2	600	6	-	4	2	4	1	5	7	15	16	29	36	42	53	67	91	108	158	81
Accidental falls	AE142	66	1.0	60	6	-	4	2	4	1	5	8	5	4	5	4	4	2	3	-	-	-	-
Accident caused by machinery	AE143	231	3.4	136	95	8	38	25	7	3	10	6	11	12	17	15	18	10	14	6	6	4	2
Accident caused by fire and explosion of combustible material	AE144	39	0.6	23	16	1	17	1	7	-	2	1	3	-	-	2	2	1	2	1	1	1	-
Accident caused by hot substance, corrosive liquid, steam, and radiation	AE145	73	1.1	70	3	-	2	7	9	12	3	5	9	7	1	1	4	2	2	1	1	1	1
Accident caused by firearm	AE146	178	2.7	152	26	1	30	18	22	34	12	6	8	7	6	7	4	4	2	1	2	1	1
Accidental drowning and submersion	AE147	342	5.1	249	93	109	18	11	11	11	15	14	13	21	17	15	16	12	9	10	2	5	-
All other accidental causes	AE148	222	3.3	146	76	5	2	2	3	8	20	35	36	27	21	22	17	7	6	4	3	1	-
Suicide and self-inflicted injury	AE149	222	3.3	146	76	5	2	2	3	8	20	35	36	27	21	22	17	7	6	4	3	1	-
Homicide and injury purposely inflicted by other persons (not in war)	AE150	222	3.3	146	76	5	2	2	3	8	20	35	36	27	21	22	17	7	6	4	3	1	-

TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, AND AGE  
MICHIGAN 1952

(By place of residence. Exclusive of fetal deaths. Cause of death classified according to Sixth Revision of International List. 1946. Deaths - 100,000 population. Millions.)

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

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

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	Sex	AGE IN YEARS																			
					Under 1 Year	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 - 89	90 - 94
<b>Diseases of blood and blood-forming organs (continued)</b>																								
Anemia of unspecified type	293	60	0.9	23	37	1	2	-	-	1	1	-	1	1	-	1	1	4	4	7	6	8	8	
Polycythemia	294	7	0.1	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hemophilia	295	3	0.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Purpura and other hemorrhagic conditions	296	37	0.6	17	20	5	3	-	1	3	-	-	-	-	-	-	2	4	1	1	1	-		
Agranulocytosis	297	3	0.0	1	2	1	1	-	-	-	-	-	-	-	-	-	2	4	2	1	1	-		
Diseases of spleen	298	15	0.2	6	9	1	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-		
Hepatolental fibrosis	299	6	0.1	1	5	4	1	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-		
Other	299	9	0.1	5	4	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other diseases of blood and blood-forming organs	299	6	0.1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>V Mental, psychoneurotic, and personality disorders</b>																								
Schizophrenic disorders (dementia praecox)	300	74	1.1	36	38	5	2	-	-	1	1	-	1	1	-	1	1	4	4	11	4	-		
Catatonic type	301	4	0.1	2	4	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Other and unspecified	301	3	0.0	2	2	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Manic-depressive reaction	301	1	0.0	1	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Manic and circular	301	1	0.0	1	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Depressive	303	2	0.0	1	2	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Other	303	1	0.1	1	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Paranoia and paranoid states	303	39	0.6	17	22	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Sentile psychosis	305	3	0.0	2	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Presenile psychosis	307	10	0.1	10	-	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Alcoholic psychosis	308	1	0.0	3	6	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Psychosis of other demonstrable etiology	309	9	0.1	3	6	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Other and unspecified psychoses	310	5	0.1	2	3	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
<b>Psychoneurotic disorders (310-316)</b>																								
Hysterical reaction without mention of anxiety reaction	311	2	0.0	1	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Obsessive-compulsive reaction	313	1	0.0	1	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
Psychoneurotic disorders, other, mixed and unspecified types	316.5	2	0.0	1	1	-	-	-	-	1	1	-	1	1	-	1	1	1	1	1	1	-		
<b>Disorders of character, behavior, and intelligence (320-326)</b>																								
Alcoholism	322	75	1.1	57	18	6	5	1	-	1	1	3	1	6	12	7	12	6	7	4	2	-		
Acute	322	62	0.9	54	8	1	1	-	-	1	1	3	1	6	12	7	12	6	7	4	2	-		
Chronic	322	28	0.4	24	4	-	-	-	-	1	1	3	1	6	12	7	12	6	7	4	2	-		
Unspecified	325	18	0.3	18	-	-	-	-	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
Mental deficiency	325	16	0.2	12	4	-	-	-	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
Idiocy	325	13	0.2	3	10	7	5	1	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
Moron	325	1	0.0	1	1	-	-	-	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
Mongolism	326	2	0.1	2	1	-	-	-	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
Mongolian	326	0.4	0.6	1	1	-	-	-	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
Other and unspecified types	326	3	0.0	1	2	-	-	-	-	1	1	2	1	5	12	6	12	6	7	4	2	-		
<b>VI Diseases of the nervous system and sense organs</b>																								
Vascular lesions affecting central nervous system (330-334)	330	6,521	97.2	3,188	3,333	11	6	2	4	5	10	20	5	15	102	184	260	446	612	1,125	966	242		
Subarachnoid hemorrhage	331	126	1.9	55	71	3	2	1	2	2	10	15	5	14	13	17	220	343	596	15	12	1	-	
Cerebral hemorrhage	331	4,404	65.7	2,088	2,316	4	3	1	2	2	6	8	14	23	63	137	220	343	596	15	12	1	-	
Cerebral embolism and thrombosis	332	1,214	18.1	643	571	1	1	1	1	1	2	6	8	14	21	28	59	110	170	182	729	629		
Spasm of cerebral arteries	333	1	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-		
Other and ill-defined	334	776	11.6	402	374	3	1	1	1	1	2	1	1	1	1	1	15	33	53	78	134	86	37	
Inflammatory diseases of central nervous system (340-345)	340	196	3.0	113	85	40	32	16	4	2	4	9	13	7	10	17	6	13	8	2	3	-		
Meningitis, except meningoencephalitis	340	0	1.7	19	12	5	9	6	1	2	1	3	1	1	1	1	1	1	1	1	1	-		
Pneumococcus	340	31	0.5	17	14	9	6	4	2	1	2	1	1	1	1	1	1	1	1	1	1	-		
Due to other specified organism	342	13	0.2	9	4	-	-	-	-	1	1	2	1	1	1	1	1	1	1	1	1	-		
Unspecified cause	343	42	0.6	24	18	7	7	6	1	-	1	1	1	1	1	1	1	1	1	1	1	-		
Intracranial and intraspinal abscess	343	30	0.4	20	10	9	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	-		
Encephalitis, meningitis, and encephalomeningitis (except acute infectious)	344	26	0.4	18	8	9	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	-		
Late effects of intracranial abscess or pyogenic infection	344	1	0.2	2	2	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-		
Hydrocephalus NOS	345	43	0.6	17	26	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-		
Multiple sclerosis	345	43	0.6	17	13	143	7	12	8	6	10	11	9	6	16	15	11	23	26	50	29	2		
Other diseases of central nervous system (350-357)	350	316	4.7	173	143	53	55	11	3	3	4	2	1	1	1	1	1	7	15	33	27	20		
Paralysis agitans	351	122	1.8	69	53	11	3	3	4	2	1	1	1	1	1	1	1	1	1	1	1	-		
Cerebral spastic infantile paralysis	351	16	0.2	9	7	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-		
Other cerebral paralysis	352	16	0.2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	1		

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

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

CAUSE OF DEATH	Int. list No.	Total Number	Rate	Sex	AGE IN YEARS																		
					Under 1 Year	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 - 89
Other diseases of heart (continued)																							-
Acute pericarditis specified as nonrheumatic	432	3	0.0	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heart block	433	111	1.7	63	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other disorders of heart rhythm	24	0.4	17	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other functional diseases of heart	86	1.3	46	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified diseases of heart	1	0.1	259	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive heart disease	434	657	9.8	398	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Congestive heart failure	0.5	0.1	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Left ventricular failure	.1	203	3.0	109	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified disease of heart	.2	47	0.7	33	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive disease (440-447)	440	3,181	47.4	1,524	1,657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Essential benign hypertension with heart disease	441	0.1	0.0	15	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Essential malignant hypertension with heart disease	442	682	10.2	350	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive heart disease with arterioscler	443	2,058	30.7	946	1,110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified hypertensive heart disease	96	1.4	39	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Essential malignant hypertension without mention of heart	444	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension with arterioscler	445	52	0.8	33	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart	446	181	2.7	112	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other hypertensive disease without mention of heart	447	76	1.1	27	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of arteries (450-456)	450	1,539	22.9	825	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General arteriosclerosis	0	1,294	19.3	652	642	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of gangrene	.1	217	18.1	604	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With gangrene	.1	77	1.1	48	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arterial aneurysm specified as nonsyphilitic, and dissecting aneurysm	451	142	2.1	116	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other aneurysm, except of heart and aorta	452	32	0.5	13	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peripheral vascular disease, thrombo-angiitis obliterans	453	16	0.2	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arterial embolism and thrombosis	454	17	0.3	11	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis	455	11	0.2	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of capillaries	456	27	0.4	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of arteries																							
Diseases of veins and other diseases of circulatory system (460-466)	460	130	1.9	71	59	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Varicose veins of lower extremities	461	6	0.1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhoids	7	0.1	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Varicose veins of esophagus	462	13	0.2	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phlebitis and thrombophlebitis of lower extremities	463	27	0.4	14	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phlebitis and thrombophlebitis of other sites	464	11	0.2	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulmonary embolism and infarction	465	37	0.6	19	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other venous embolism and thrombosis	466	16	0.2	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of circulatory system	467	9	0.1	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension	.0	2	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of capillaries	.1	1	0.0	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified circulatory diseases	.2	6	0.1	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Certain diseases of lymph nodes and lymph channels, nonspecific mesenteric lymphadenitis	468	1	0.1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII Diseases of the respiratory system																							
Acute upper respiratory infections (470-475)	470	37	0.6	20	17	13	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute nasopharyngitis (common cold)	470.1	2	0.1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute pharyngitis	472	4	0.1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute tonsillitis	473	3	0.0	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute laryngitis and tracheitis	474	2	0.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute upper respiratory infection of multiple or unspecified sites	475	26	0.4	14	12	10	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	480	122	0.6	68	54	20	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With pneumonia	51	0.8	27	24	9	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With other respiratory manifestations, and influenza unqualified	481	60	0.9	36	24	9	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute	.0	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Late effects	.9	1	0.0	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With digestive manifestations, but without respiratory symptoms	482	11	0.2	5	6	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	490	1,571	23.4	974	597	288	65	17	8	2	13	25	27	42	61	70	98	115	124	141	160	150	95
Lobar pneumonia	591	8.6	373	198	321	236	153	29	11	4	1	7	12	16	24	40	45	57	56	64	64	45	12
Bronchopneumonia	557	6.3	306	136	66	41	20	10	3	1	2	1	1	1	1	1	1	3	3	30	32	41	30
Primary atypical pneumonia	492	207	3.2	122	95	52	12	2	1	-	-	-	-	-	-	-	-	-	-	17	17	12	21
Pneumonia, other and unspecified	493	217	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	12	16	21

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

CAUSE OF DEATH	Int. List No.	Total Number	Total Rate	AGE IN YEARS										Not Stated								
				Under 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 - 89
Bronchitis (500-502)		127	1.9	83	44	13	1	1	1	2	1	1	1	1	1	1	1	4	14	13	4	6
Acute bronchitis	500	38	0.6	25	44	13	6	1	1	1	1	1	1	1	1	1	1	3	1	1	3	-
Bronchitis, unqualified	501	27	0.4	16	44	10	5	1	1	1	1	1	1	1	1	1	1	2	4	2	1	2
Chronic bronchitis	502	62	0.9	42	20	21	2	-	-	-	-	-	-	-	-	-	-	6	1	2	3	-
Bronchitis with emphysema	.0	4	0.1	4	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-
Other	.1	58	0.9	36	20	21	2	-	-	-	-	-	-	-	-	-	-	1	1	1	2	-
Other diseases of respiratory system (510-527)		442	6.6	317	125	41	13	11	1	1	1	1	1	1	1	1	1	1	1	1	1	7
Hypertrophy or tonsils and adenoids	510	14	0.2	10	44	10	3	9	-	-	-	-	-	-	-	-	-	2	2	-	-	-
Without mention of tonsillectomy or adenoidectomy	.0	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
With tonsillectomy or adenoidectomy	.1	13	0.2	4	9	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Chronic pharyngitis and nasopharyngitis	512	1	0.0	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Chronic sinusitis	513	4	0.1	3	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other diseases of upper respiratory tract	517	8	0.1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Epiphora	518	7	0.1	3	4	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Pharyngitis	519	11	0.2	8	3	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Without mention of effusion or tuberculosis	.0	5	0.1	5	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other specified forms of effusion, except tuberculous	.1	1	0.0	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Spontaneous pneumothorax		20	0.3	20	3	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Abscesses of lung		32	0.5	25	7	3	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Pulmonary congestion and hypostasis		53	0.8	23	30	4	-	-	-	-	-	-	-	-	-	-	-	2	4	2	10	12
Pneumonia is due to silica and silicates (occupational)		31	0.5	30	1	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	1	2
Silicosis		20	0.3	20	1	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	1	2
Anthracosilicosis	.0	1	0.0	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other, including pneumoconiosis unspecified	.3	10	0.1	9	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other specified pneumoconiosis and pulmonary fibrosis of occupational origin	524	3	0.0	3	23	28	7	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other chronic interstitial pneumonia	525	74	1.1	51	23	21	21	16	4	1	1	1	1	1	1	1	1	1	1	1	1	1
Bronchiectasis		91	1.4	70	94	16	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Other diseases of lung and pleural cavity		110	1.6	101	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pulmonary collapse (1 year and over)		0	0	6	82	1.2	74	6	2	2	1	1	1	1	1	1	1	22	14	6	1	1
Emphysema without mention of bronchitis		22	0.3	15	7	2	1	1	1	1	1	1	1	1	1	1	1	3	5	1	1	1
Other		22	0.3	22	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
IX Diseases of the digestive system																						
Diseases of buccal cavity and esophagus (530-539)		25	0.4	18	7	2	-	-	-	-	-	-	-	-	-	-	-	1	4	3	3	1
Abscesses of supporting structures of teeth, other teeth	531.2	1	0.0	1	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other inflammatory diseases of supporting structures of teeth	532.3	3	0.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Diseases of occlusion, eruption, and tooth development, other	533.7	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Other diseases of teeth and supporting structures	536	1	0.0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Stomatitis	537	3	0.0	1	12	3	2	-	-	-	-	-	-	-	-	-	-	2	1	3	2	1
Diseases of salivary glands	539.1	15	0.2	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diseases of esophagus, other		379	5.7	294	85	5	2	-	-	-	-	-	-	-	-	-	-	31	24	49	56	53
Diseases of stomach and duodenum (540-545)		30	2.4	126	36	1	1	1	1	1	1	1	1	1	1	1	1	10	26	27	24	6
Ulcer of stomach	540	101	1.5	78	23	1	1	1	1	1	1	1	1	1	1	1	1	6	9	10	9	7
Without mention of perforation	.0	61	0.9	48	13	1	1	1	1	1	1	1	1	1	1	1	1	4	6	7	3	4
With perforation	541	176	2.7	142	36	2	1	1	1	1	1	1	1	1	1	1	1	19	20	26	10	11
Ulcer of duodenum		104	1.6	60	24	2	-	-	-	-	-	-	-	-	-	-	-	10	11	14	17	4
Without mention of perforation		74	1.1	62	12	1	1	1	1	1	1	1	1	1	1	1	1	7	3	7	1	1
With perforation		543	16	0.2	10	6	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
Gastrojejunular ulcer, without mention of perforation		544	5	0.1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gastritis and duodenitis		545	4	0.1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Disorders of function of stomach		11	0.2	7	4	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Disorders of gastric motility		111	1.7	71	40	1	4	9	4	5	4	5	4	5	4	5	7	6	4	11	10	
Other		99	1.5	63	36	1	4	9	4	5	4	5	4	5	4	5	7	7	3	2	1	3
Other diseases of stomach and duodenum		83	1.2	51	32	1	4	7	4	4	2	2	2	2	2	2	2	1	1	1	1	1
Appendicitis (550-553)		550	0.9	37	22	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1
Acute appendicitis		1	0.0	1	1	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Without mention of peritonitis		551	7	0.1	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
With peritonitis		552	3	0.0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Appendicitis, unqualified		553	2	0.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other appendicitis		14	0.2	4	0.0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1
Other diseases of appendix		14	0.2	4	0.0	2	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1
Hernia of abdominal cavity without mention of obstruction		172	2.6	103	69	25	1	-	-	-	-	-	-	-	-	-	-	11	8	12	4	1
Inguinal		59	0.9	37	22	21	1	-	-	-	-	-	-	-	-	-	-	1	3	5	1	3
Femoral		19	0.3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Umbilical		12	0.2	4	0.0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Ventral (incisional)		11	0.2	3	0.0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Other specified site		14	0.2	4	0.0	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Unspecified site		14	0.2	4	0.0	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1

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

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

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	Sex	AGE IN YEARS																	
					Under 1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85 and Over
<b>Congenital malformations (continued)</b>																						
Other and unspecified congenital malformations																						
Or respiratory system	.0	759	6.1	0.9	36	25	53	1	-	-	-	-	-	-	-	-	-	-	1	1	-	-
Of muscle	.2		31	0.5	20	11	24	1	-	-	-	-	-	-	-	-	-	-	2	2	-	-
Other and unspecified	.3		6	0.1	3	3	6	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
<b>XV Certain diseases of early infancy</b>																						
Birth injuries, asphyxia, and infections of newborn		1,328	19.8		772	556	1,326	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intracranial and spinal injury at birth		199	3.0		125	74	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		136	2.1		84	54	136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		61	0.9		41	20	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other birth injury		313	4.7		175	138	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		107	1.6		66	41	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		206	3.1		199	97	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Postnatal asphyxia and atelectasis		637	9.5		376	261	637	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		238	3.5		132	106	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		399	5.9		244	155	399	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia of newborn		96	1.4		53	43	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		33	0.5		36	27	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		26	0.4		17	16	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhea of newborn		22	0.3		13	9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		4	0.1		2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pemphigus neonatorum, without mention of immaturity		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other sepsis of newborn, without mention of immaturity		11	0.2		5	6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nepatal disorders arising from maternal toxemia		45	0.7		23	22	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxemia of pregnancy*, without mention of immaturity		13	0.2		6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maternal diabetes, without mention of immaturity		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other or unspecified maternal toxemia, without mention of immaturity		2	0.0		2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"toxemia of pregnancy", with immaturity		27	0.4		14	13	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maternal diabetes, with immaturity		2	0.0		1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy (770-776)		1,533	22.9		890	643	1,533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemolytic disease of newborn (erythroblastosis)		151	2.3		89	62	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Erythroblastosis, without mention of nervous affection or immaturity		116	1.7		66	50	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kernicterus, without mention of immaturity		9	0.1		6	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Erythroblastosis, without mention of nervous affection but with immaturity		32	0.5		20	12	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hemorrhagic disease of newborn		18	0.3		10	8	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		14	0.2		10	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutritional maladjustment		30	0.4		16	12	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		23	0.3		14	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		7	0.1		4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill-defined disease peculiar to early infancy		64	1.0		41	33	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Without mention of immaturity		13	0.2		10	3	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
With immaturity		51	0.8		31	20	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Immaturity with mention of any other subsidiary condition		53	0.8		33	20	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Immaturity, unqualified		1,203	17.9		689	514	1,203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>XVI Symptoms, senility, and ill-defined conditions</b>																						
Symptoms referable to systems or organs (780-789)		131	2.0		60	51	7	2	-	-	-	-	-	-	-	-	6	18	13	13	14	9
Convulsions		2	0.0		-	2	1	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-
Jacksonian epilepsy		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
Encephalopathy		97	1.4		63	34	97	-	-	-	-	-	-	-	-	-	4	5	1	1	12	11
Acute heart failure, undefined		4	0.1		1	1	4	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
Edema and dropsey (not of newborn)		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Epistaxis		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Hemoptysis		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pain in chest		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Nausea and vomiting		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Hematemesis		5	0.1		1	1	5	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Jaundice		1	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Retention of urine		2	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pyrexia of unknown origin		2	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Pyuria and bacteriuria, unspecified cause		0	0.0		-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	Sex	AGE IN YEARS										Not Stated	
					Under 1	5	10	15	20	25	30	35	40	45	50	
Accidental poisoning by solid and liquid substances (continued)																
Industrial solvents	E682	2	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-
Industrial place and premises	.9	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-
Place not specified																
Corrosive aromatic acids, and caustic alkalis, home	E683.0	4	0.1	2	2	1	2	-	-	-	-	-	-	-	-	-
Other and unspecified solid and liquid substances	E683	4	0.1	1	3	-	1	-	-	-	-	-	-	-	-	-
Home	.0	2	0.0	1	1	-	1	-	-	-	-	-	-	-	-	-
Place not specified	.9	2	0.0	1	1	-	1	-	-	-	-	-	-	-	-	-
Accidental poisoning by gases and vapours (E890-E895)	E890	42	0.6	30	12	-	1	1	2	3	1	6	4	5	2	1
Utility (illuminating) gas	E890	12	0.2	6	6	-	1	1	2	-	-	1	1	1	1	2
Home	.0	10	0.1	4	6	-	1	1	2	-	-	1	1	1	1	2
Industrial place and premises	.3	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-
Other specified places	.8	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-
Motor vehicle exhaust gas	E891	21	0.3	17	4	-	-	-	-	2	5	1	1	4	2	1
Home	.0	7	0.1	6	1	-	-	-	-	1	1	1	1	2	1	1
Mine and quarry	.2	2	0.0	2	1	-	-	-	-	1	1	1	1	1	1	1
Street and highway	.5	9	0.1	6	3	-	-	-	-	2	5	1	1	1	1	1
Public building	.6	1	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Place not specified	.9	2	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Other carbon monoxide gas																
Home	.0	6	0.1	5	1	-	-	-	-	1	1	1	1	1	1	1
Place not specified	.9	2	0.0	2	1	-	-	-	-	1	1	1	1	1	1	1
Other specified gases and vapours, place not specified	E894.9	1	0.0	-	1	-	-	-	-	1	-	-	-	-	-	-
Accidental falls (E900-E904)	E900	883	13.2	436	445	7	12	5	2	5	5	7	15	16	29	36
Fall on stairs	E900	108	1.6	80	80	28	-	1	1	3	3	2	7	5	11	6
Home	.0	79	1.2	55	55	24	-	-	-	-	-	-	-	-	7	13
Industrial place and premises	.3	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	-
Public building	.6	8	0.1	7	1	-	-	-	-	-	-	-	-	-	-	-
Resident institution	.7	4	0.1	3	1	-	-	-	-	-	-	-	-	-	-	-
Place not specified	E901	16	0.2	14	2	-	-	-	-	1	1	1	1	1	1	1
Home	.9	19	0.3	10	9	-	-	-	-	1	1	1	1	1	1	1
Farm	.1	1	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Industrial place and premises	.3	4	0.1	4	4	-	-	-	-	1	1	1	1	1	1	1
Other specified places	.8	2	0.0	2	2	-	-	-	-	1	1	1	1	1	1	1
Place not specified	E902	126	1.9	86	40	4	7	4	3	4	4	6	8	6	8	10
Other falls from one level to another	E902	154	0.8	25	29	4	5	4	1	1	1	1	1	1	1	7
Home	.0	13	0.3	19	19	-	-	-	-	1	1	1	1	1	1	6
Mine and quarry	.2	3	0.1	3	1	-	-	-	-	1	1	1	1	1	1	1
Industrial place and premises	.4	1	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Place for recreation and sport	.5	2	0.0	2	1	-	-	-	-	1	1	1	1	1	1	1
Street and highway	.6	7	0.1	4	3	-	-	-	-	1	1	1	1	1	1	1
Public building	.7	13	0.2	5	6	-	-	-	-	1	1	1	1	1	1	3
Resident institution	.8	12	0.2	12	12	-	-	-	-	1	1	1	1	1	1	2
Other specified places	.9	8	0.1	8	5	-	-	-	-	1	1	1	1	1	1	1
Place not specified	E903	103	1.5	45	58	-	-	-	-	2	1	2	1	2	1	1
Home	.0	58	0.9	16	42	-	-	-	-	1	1	1	1	1	1	1
Street and highway	.5	30	0.4	23	7	-	-	-	-	1	1	1	1	1	1	1
Resident institution	.7	7	0.1	4	3	-	-	-	-	1	1	1	1	1	1	1
Place not specified	E904	527	7.9	268	319	3	5	1	2	3	4	6	9	13	16	21
Home	.0	222	3.3	70	144	2	5	1	1	2	2	2	7	1	5	11
Farm	.1	2	0.0	2	1	-	-	-	-	1	1	1	1	1	1	1
Industrial place and premises	.3	10	0.1	9	1	-	-	-	-	1	1	1	1	1	1	1
Place for recreation and sport	.4	1	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Street and highway	.5	16	0.2	13	3	-	-	-	-	1	1	1	1	1	1	1
Public building	.6	13	0.2	6	7	-	-	-	-	1	1	1	1	1	1	1
Resident institution	.7	31	0.5	13	16	-	-	-	-	1	1	1	1	1	1	1
Other specified places	.8	5	0.1	3	2	-	-	-	-	1	1	1	1	1	1	1
Place not specified	E905	227	3.4	63	144	1	-	-	-	1	1	1	1	4	5	15
Home	.9	897	13.4	672	225	1	18	109	62	53	60	29	40	37	46	42
Blow from falling object	E910	33	0.5	32	1	-	-	-	-	1	2	3	3	6	3	2
Home	.0	1	0.0	1	1	-	-	-	-	1	1	1	1	1	1	1
Farm	.1	4	0.1	4	4	-	-	-	-	1	1	1	1	1	1	1
Mine and quarry	.2	6	0.1	6	6	-	-	-	-	1	1	1	1	1	1	1
Industrial place and premises	.3	6	0.1	6	6	-	-	-	-	1	1	1	1	1	1	1
Public building	.6	8	0.1	6	6	-	-	-	-	1	1	1	1	1	1	1
Other specified place	.8	8	0.1	3	2	-	-	-	-	1	1	1	1	1	1	1
Place not specified	E911.2	3	0.0	3	0	-	-	-	-	1	1	1	1	1	1	1
Caused by vehicle, mine and quarry	E911.2	66	1.0	60	6	-	-	-	-	4	2	4	2	2	2	2
Caused by machinery	E912	0	4	0.1	3	-	-	-	-	1	1	1	1	1	1	1
Home	.1	30	0.4	27	3	-	-	-	-	1	2	2	2	2	2	2
Mine and quarry	.2	2	0.0	2	0	-	-	-	-	1	1	1	1	1	1	1

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

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

CAUSE OF DEATH	Int. List No.	Total Number	Rate	Sex	AGE IN YEARS										Not Stated										
					Under 1	1 -	5 -	10 -	15 -	20 -	25 -	30 -	35 -	40 -	45 -	50 -	55 -	60 -	65 -	70 -	75 -	80 -	85 -	90 -	95 Over
<b>Other accidents (continued)</b>																									
Excessive cold	E932	11	0.2	9	2	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	1	-	
Home		3	0.0	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Industrial place and premises		1	0.0	3	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Street and highway		3	0.0	3	2	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Other specified places		2	0.0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Place not specified	E933	2	0.0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Hunger, thirst, and exposure		1	0.0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Other specified places		.9	0.0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Place not specified	E934	.8	0.0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Catastrophe, other specified places	E935	.6	0.1	6	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Lightning		.1	0	3	0	0	3	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Farming		.4	1	1	0	0	2	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Place for recreation and sport		.2	0	2	0	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Other specified places	E936	.6	0	52	0	8	38	14	6	6	2	2	1	1	1	1	1	3	4	4	4	4	3	-	
Other and unspecified accidents		0	15	0.2	11	4	5	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Home		1	2	1	0	0	2	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Farm		1	2	1	0	0	1	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Mine and quarry		2	1	5	1	0	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Industrial place and premises		3	1	5	1	0	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Place for recreation and sport		4	1	6	3	0	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Public building		6	1	7	2	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Resident institution		7	1	8	3	0	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Other specified places		8	1	9	20	0	3	11	9	1	2	1	2	1	1	1	1	1	1	1	1	1	1	-	
Place not specified		.9	20	0.3	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
<b>Therapeutic misadventure and late complications of therapeutic procedures (E950-E959)</b>																									
In surgical treatment	E950	1	0.0	4	1	0	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
In infusion or transfusion	E951	1	0.0	4	0	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
In administration of drugs or biologicals	E953	4	0.1	7	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Late complication of surgical operation	E956	7	0.1	2	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Late complications of other forms of treatment	E959	2	0.0	17	0.3	14	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
<b>Late effects of injury and poisoning (E960-E965)</b>																									
Of motor vehicle accident	E960	3	0.0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Of accidental poisoning	E961	1	0.0	13	0.2	10	3	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	
Of other accidental injury	E962	13	0.2	10	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	
<b>Suicide and self-inflicted injury or poisoning (E970-E979)</b>																									
By analgesic and soporific substances	E970	715	10.7	560	155	-	-	-	-	-	-	-	-	-	-	-	-	57	64	45	79	62	61	43	31
Barbituric acid and derivatives		20	0.3	5	15	2	10	1	1	1	1	1	1	1	1	1	1	3	2	1	2	1	1	-	
Acetylsalicylic acid		12	0.2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Other analgesic and soporific substances		.3	0.1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
By other solid and liquid substances	E971	.8	0.7	40	0.6	24	16	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Poisoning with strichnine		.1	1	1	0.0	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Phenol compounds		.2	1	5	0.1	3	2	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
Other and unspecified solid and liquid substances	E973	.6	33	0.5	19	14	-	-	-	-	-	-	-	-	-	-	-	5	2	1	2	1	3	2	
Motor vehicle exhaust gas		64	1.0	57	7	6	-	-	-	-	-	-	-	-	-	-	-	7	3	2	1	2	1	3	
Other carbon monoxide		.3	0.6	37	6	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	2	1	2	1	
Other poisonous gases		.4	1	20	0.3	20	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
By hanging and strangulation	E974	193	2.9	136	57	-	-	-	-	-	-	-	-	-	-	-	-	12	17	20	25	26	24	22	
By submersion (drowning)	E975	37	0.6	24	13	-	-	-	-	-	-	-	-	-	-	-	-	3	2	1	2	1	2	1	
By firearms and explosives	E976	32	0.5	267	4	-	-	-	-	-	-	-	-	-	-	-	-	28	25	2	2	1	2	1	
By cutting and piercing instruments	E977	14	0.2	9	5	-	-	-	-	-	-	-	-	-	-	-	-	1	3	2	1	2	1	1	
By jumping from high place	E978	18	0.3	10	8	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	1	2	1	1	
By other and unspecified means	E979	1	0.0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	
<b>Homicide and injury purposely inflicted by other persons (not in war) (E980-E985)</b>																									
Assault by firearm and explosive	E982	222	3.3	146	76	5	2	3	8	20	36	27	21	22	17	6	4	3	1	1	1	1	1	-	
Assault by cutting and piercing instruments	E983	78	1.2	50	28	-	-	-	-	-	-	-	-	-	-	-	-	12	9	6	4	3	1	-	
Assault by other means	E984	66	1.0	39	27	5	2	2	1	-	-	-	-	-	-	-	-	7	1	4	4	3	1	-	
Injury by intervention of police		1	0.0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE  
MICHIGAN, 1952

*Exclusive of fetal deaths.* Causes of death classified according to Sixth Revision of International List, 1948, Intermediate List of 150 Causes with additional subdivisions indicated by detailed list numbers. Place of residence according to rural areas and urban incorporated areas having a 1950 population of 2,500 or more.

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

T U B E R C U L O S I S		S Y P H I L I S																												
AREA	All Causes	Total	A 1 Respiratory system	A 2 Meninges & central nervous system	A 3 Intestines & peritoneum	A 4 Bones & joints	A 5 All other forms	Total	A 15 Brucellosis (undulant fever)	A 16 Diphtheria & erysipelas	A 17 Streptococcal diseases	A 18 Whooping cough	A 19 Enteritis	A 20 Septicemia & pyrexia	A 21 Diphtheria	A 22 Whooping cough	A 23 Meningoencephalitis	A 24 Tetanus	A 25 Acute meningitis	A 26 Poliomyelitis	A 27 Late symptoms acute	A 28 Measles	A 29 Acute infections	A 30 Poliomyelitis & encephalitis	A 31 Infectious hepatitis	A 32 Measles	A 33 Infectious hepatitis	A 34 Infectious hepatitis	A 35 All other infectious diseases	
Houghton rural	374	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Houghton	42	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Laurium	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hancock	79	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Huron rural	316	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bad Axe	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ingham rural	456	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lansing	875	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
East Lansing	78	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mason	46	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ionia rural	222	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Belding	57	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ionia	65	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jackson rural	493	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jackson	633	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kalamazoo rural	534	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kalamazoo	627	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kalkaska	49	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kent rural	163	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iron River	57	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Isabella rural	159	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mt. Pleasant	152	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Grand Rapids	916	21	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
E. Grand Rapids	46	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Keweenaw	37	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lake	73	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lapeer rural	289	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lapeer	55	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lenawee rural	441	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adrian	168	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tecumseh	49	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hudson	51	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Livingston rural	257	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luce rural	59	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Newberry	65	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mackinac rural	28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Macomb rural	698	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mt. Clemens	211	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Centerline	58	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
East Detroit	137	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Roseville	130	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Romeo	37	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
St. Clair Shores	161	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Manistee rural	107	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Muskegon	151	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Marquette	153	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
McGraw	68	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Manistee rural	107	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ludington	89	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hudson	146	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Menominee	133	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Midland rural	130	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Muskegon	74	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Monroe rural	417	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Million (part)	196	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Montcalm rural	146	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Greenville	61	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Midland	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Missaukee	445	4	4	1	1	1																								

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

T U B E R C U L O S I S	AREA	All Causes	S Y P H I L I S		Total
			A 1 Respiratory system	A 2 Meninges & central nervous system	
Oakland rural		1,246	6	7	1
Birmingham		168	3	3	1
Fairdale		236	3	3	1
Pontiac		631	10	9	2
Rochester		600	1	1	1
Berkeley		107	1	1	1
Claissen		31	1	1	1
Pleasant Ridge		34	3	3	2
Royal Oak		344	3	3	2
Hazel Park		139	3	2	1
Holly		31	1	1	1
Huntington Woods		41	1	1	1
Northville (part)		1	1	1	1
Oak Park		43	1	1	1
Oceana		179	1	1	1
Ogemaw		117	2	2	1
Ontonagon		111	6	6	2
Oscoda		160	2	2	1
Oscoda		160	2	2	1
Otsego		26	1	1	1
Otsego		69	1	1	1
Ottawa rural		342	2	2	1
Grand Haven		101	1	1	1
Holland		166	1	1	1
Zetland		26	1	1	1
Pesque Isle rural		73	2	2	1
Rogers City		36	1	1	1
Roscommon		59	1	1	1
Saginaw rural		543	2	2	1
Saginaw		868	9	7	2
Sanilac		343	1	1	1
Schoolcraft rural		36	1	1	1
Manistique		65	1	1	1
Shiawassee rural		250	1	1	1
Durand		250	1	1	1
Onosso		177	3	2	1
St. Clair rural		437	3	2	1
Marine City		50	2	2	1
Port Huron		415	6	3	2
St. Clair		60	1	1	1
Algonac		36	1	1	1
Marysville		22	1	1	1
St. Joseph rural		210	1	1	1
Sturgis		94	3	2	1
Three Rivers		90	2	2	1
Tuscola rural		321	3	2	1
Caro		25	1	1	1
Vassar		456	1	1	1
Van Buren rural		686	3	3	2
South Haven		364	3	3	2
Washtenaw rural		305	3	2	1
Ann Arbor		305	3	2	1
Ypsilanti		162	1	1	1
Chelsea		49	1	1	1
Milan (part)		19	1	1	1
Wayne rural		944	9	7	2
Ecorse		153	2	1	1
Hamtramck		397	9	9	2
River Rouge		163	5	5	1
Detroit		17,185	358	10	2
Highland Park		466	35	4	1
Plymouth		86	1	1	1
Wardotte		358	4	3	1
Dearborn		779	11	11	2
Lincoln Park		216	2	2	1
Reindale		47	1	1	1
Northville (part)		27	1	1	1
Trenton		60	1	1	1
Wayne		113	2	2	1
Allen Park		94	1	1	1
Garden City		69	1	1	1
Livonia		116	1	1	1
Westford rural		88	2	1	1
Cadillac		95			

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

MALIGNANT NEOPLASMS			
AREA	STATE		
TOTAL	9,256	200	156
444	Buccal cavity 6 Pharynx	999	416
446	Sophagus	691	68
448	Rectum	12	6
447	Mesentery, except rectum	1	1
449	Larynx	1	1
450	Tonsils, 6 of	1	1
451	Breast	1	1
452	Cervix uteri	1	1
453	Other 6 mesopelvic	1	1
454	Bone 5 connective tissue	1	1
455	Skin	1	1
456	Bone 5 connective tissue	1	1
457	Prostate	1	1
458	Lymphosarcoma 6	1	1
459	Lymphosarcoma 6	1	1
460	Benign neoplasms 6 specified nature	1	1
461	Malignant goiter	6	207
462	Thyroid goiter with goiter	6	65
463	Diseases of thyroid with goiter	1	1
464	Allergic disorders of other endo-	1	1
465	Anemias	211	32
466	Allergic disorders other states	1	1
467	Psychoses	74	67
468	Psychoses of personsality	1	1
469	Mental deficiency	13	15
470	Vascular lesions affecting central nervous system	6,521	70
471	Multiple sclerosis	1	1
472	Nerve-ganglitis	1	1
473	Neurofibromatosis	1	1
474	Epilepsy	61	3
475	Catalepsy	1	1
476	Glaucome	1	1

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (continued)

AREA	MALIGNANT NEOPLASMS	Total	
		Deaths	Deaths per 100,000 population
Houghton rural	62	8.8	
Houghton Lauzon	9	1.4	
Hancock	7	1.1	
Huron rural	52	2.1	
Bay Axe	4	1.5	
Ingham rural	5	1.5	
Lansing	153	3.1	
East Lansing	18	1.5	
Mason	6	1.1	
Ionia rural	30	1.3	
Belding	7	1.2	
Tonia	12	1.2	
Portland	4	1.1	
Iosco	20	1.1	
Iron rural	1	1.1	
Iron River	11	1.1	
Isabella rural	25	1.2	
Mt. Pleasant	14	1.1	
Jackson rural	66	1.1	
Kalamazoo rural	68	1.2	
Kalamazoo	23	1.1	
Kalkaska	10	1.1	
Kent rural	1	1.1	
Grand Rapids	131	1.2	
E. Grand Rapids	335	3.6	
Keweenaw	7	1.1	
Lake	12	1.1	
Lapeer rural	40	1.1	
Lapeer	8	1.1	
Leelanau	6	1.1	
Lenawee rural	2	1.1	
Adrian	277	2.1	
Tecumseh	7	1.1	
Hudson	10	1.2	
Livingston rural	40	1.1	
Howell	8	1.1	
Luce rural	6	1.1	
Newberry	4	1.1	
Mackinac rural	8	1.1	
St. Ignace	5	1.1	
Manistee rural	110	6.0	
Mt. Clemens	34	1.1	
Ida	3	1.1	
Centerline	8	1.2	
East Detroit	22	1.2	
Roseville	16	1.5	
Romeo	5	1.1	
St. Clair Shores	36	1.1	
Ludington	11	1.1	
Mecosta rural	21	1.1	
Big Rapids	9	1.1	
Manistee rural	25	1.1	
Menominee	1	1.1	
Menominee	21	1.1	
Midland rural	14	1.2	
Marquette	22	1.2	
Negaunee	14	1.2	
Mason rural	14	1.2	
Ludington	11	1.1	
Mecosta rural	21	1.1	
Big Rapids	9	1.1	
Menominee rural	25	1.1	
Midland rural	14	1.2	
Marquette	22	1.2	
Negaunee	14	1.2	
Mason rural	14	1.2	
Mustegon	53	2.1	
Mustegon rural	69	2.5	
Mustegon Hts.	25	1.1	
Fremont	3	1.1	

AT6 Glaucoma			
AT5 Cataract			
AT3 Epilepsy			
AT2 Multiple sclerosis			
AT1 Meningitis			
AT0 Affective disorders system	50	3	
A69 Mental deficiency			
A68 Psychoneuroses 6			
A67 Psychoneuroses 6			
A66 Allergic disorders 6			
A65 Anemia			
A64 Allergies 6			
A63 Diabetes mellitus			
A62 Hypertension with			
A61 Nonorganic goiter			
A60 Endocrinopathies 6			
A59 Lymphosarcoma 6			
A58 Leukemia 6			
A57 All other 6			
A56 Bone 6 cont-			
A55 Skin			
A54 Prostate			
A53 Other 6			
A52 Gastrointest.			
A51 Breast			
A50 Bronchus 6 lung as secondary			
A49 Larynx	4	1.1	
A48 Rectum	1	1.1	
A47 Intestine, except rectum	1	1.1	
A46 Stomach	17	2.2	
A45 Esophagus	1	1.1	
A44 Buccal cavity	1	1.1	
Total	62	8.8	

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (continued)

AREA	MALIGNANT NEOPLASMS	TOTAL											
		444 Bronchial cavity & pharynx	445 Esophagus	446 Stomach	447 Intestine, except rectum	448 Rectum	449 Larynx	450 Trachea, bronchi & lung	451 Breast	452 Cervix uteri	453 Other & unspecified tumors	455 Skin	456 Bone & cartilage
Oakland rural	177	4	2	16	15	9	-	22	17	7	6	2	47
Birmingham	26	1	-	4	3	2	-	2	5	1	-	-	7
Ferndale	36	1	-	12	17	7	2	12	9	6	1	-	4
Pontiac	116	1	-	1	2	1	-	1	4	1	-	-	1
Rochester	17	-	-	1	2	1	-	1	4	1	-	-	1
Berkey	18	-	-	1	2	1	-	1	4	1	-	-	1
Claeson	2	-	-	1	1	1	-	1	2	1	-	-	1
Pleasant Ridge	6	-	-	1	1	1	-	1	2	1	-	-	1
Royal Oak	52	-	-	2	5	1	-	6	4	2	-	-	1
Hazel Park	18	-	-	2	3	1	-	3	1	1	-	-	1
Holly	3	-	-	1	1	1	-	1	2	1	-	-	1
Huntington Woods	6	-	-	1	1	1	-	1	2	1	-	-	1
Huntington Woods (part)	-	-	-	-	-	-	-	-	-	-	-	-	-
Oak Park	24	-	-	2	2	1	-	1	2	1	-	-	1
Oceana	22	-	-	2	2	1	-	1	2	1	-	-	1
Ontonagon	14	-	-	4	5	1	-	2	1	1	-	-	1
Oscoda	15	-	-	3	2	1	-	1	2	1	-	-	1
Otsego	12	-	-	3	1	1	-	1	2	1	-	-	1
Ottawa rural	54	1	-	5	11	1	-	3	9	1	-	-	1
Grand Haven	20	-	-	2	2	1	-	2	5	1	-	-	1
Holland	30	-	-	7	4	2	-	1	2	1	-	-	1
Zeeland	5	-	-	2	1	1	-	1	2	1	-	-	1
Presque Isle rural	11	-	-	2	1	1	-	1	2	1	-	-	1
Rivers City	11	-	-	2	1	1	-	1	2	1	-	-	1
Roxborough	5	-	-	2	1	1	-	1	2	1	-	-	1
Saginaw	95	1	-	13	7	1	-	11	5	1	-	-	1
Saginaw rural	151	5	-	13	11	6	-	12	15	6	-	-	1
Saginaw	54	1	-	5	11	1	-	1	2	1	-	-	1
Saginaw	41	-	-	2	2	1	-	1	1	1	-	-	1
Saiiac	4	-	-	2	1	1	-	1	1	1	-	-	1
Schoolcraft	4	-	-	2	1	1	-	1	1	1	-	-	1
Manistee	10	-	-	7	5	1	-	6	2	1	-	-	1
Shiawassee rural	42	-	-	7	5	1	-	6	2	1	-	-	1
Durand	6	-	-	1	1	1	-	1	2	1	-	-	1
St. Clair, rural	17	-	-	2	1	1	-	1	3	1	-	-	1
Marine City	64	-	-	2	1	1	-	1	2	1	-	-	1
Port Huron	68	-	-	4	6	2	-	5	1	-	-	-	1
St. Clair	17	-	-	2	1	1	-	1	2	1	-	-	1
Algoma	7	-	-	2	1	1	-	1	2	1	-	-	1
Marineville	5	-	-	1	1	1	-	1	1	1	-	-	1
St. Joseph rural	37	2	-	7	4	1	-	1	4	1	-	-	1
Sturgis	19	-	-	1	2	1	-	1	4	1	-	-	1
Three Rivers	13	-	-	1	6	2	-	2	2	1	-	-	1
Tuscola rural	36	-	-	1	6	2	-	1	4	1	-	-	1
Caro	8	-	-	1	1	1	-	1	1	1	-	-	1
Vassar	2	-	-	1	1	1	-	1	1	1	-	-	1
Van Buren rural	66	-	-	6	9	2	-	10	7	3	-	-	1
South Haven	12	-	-	3	1	1	-	1	4	1	-	-	1
Washenaw rural	56	2	-	4	6	2	-	2	2	1	-	-	1
Ann Arbor	55	-	-	1	2	1	-	1	2	1	-	-	1
Ypsilanti	23	-	-	2	2	1	-	3	2	1	-	-	1
Chilens	8	-	-	1	1	1	-	1	1	1	-	-	1
Marion (part)	4	-	-	1	1	1	-	1	1	1	-	-	1
Wayne rural	124	3	-	9	15	5	-	16	8	3	-	-	1
Ecorse	25	4	-	1	3	4	-	1	5	1	-	-	1
Hamtramck	61	4	-	1	3	4	-	1	5	1	-	-	1
River Rouge	2,860	70	288	2	1	12	7	10	6	1	1	1	1
Detroit	92	2	1	12	7	4	3	1	4	1	1	1	1
Highland Park	17	-	-	1	2	1	-	1	2	1	-	-	1
Plymouth	54	1	3	1	4	3	1	1	2	1	1	1	1
Wyandotte	148	1	4	13	10	5	3	15	14	6	1	1	1
Bearborn	13	-	-	2	1	1	-	1	2	1	-	-	1
Grosse Pt. Farms	22	-	-	1	2	1	-	1	2	1	-	-	1
Grosse Pt. Park	25	-	-	1	2	1	-	1	2	1	-	-	1
Grosse Pt. Woods	11	-	-	1	2	1	-	1	2	1	-	-	1
Irskster	17	-	-	1	1	1	-	1	1	1	-	-	1
Lincoln Park	43	-	-	1	3	1	-	1	2	1	-	-	1
Melvindale	7	-	-	1	1	1	-	1	1	1	-	-	1
Northville (part)	4	-	-	1	1	1	-	1	1	1	-	-	1
Trenton	10	-	-	1	1	1	-	1	1	1	-	-	1
Wayne	16	-	-	1	1	1	-	1	1	1	-	-	1
Allen Park	20	-	-	1	1	1	-	1	1	1	-	-	1
Garden City	10	-	-	1	1	1	-	1	1	1	-	-	1
Livonia	17	-	-	1	1	1	-	1	1	1	-	-	1
Westland	13	-	-	1	1	1	-	1	1	1	-	-	1

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE. (continued)

STATE	AREA	HEART DISEASE												PNEUMONIA													
		42-42 Nonarterial arterioles disease						43 Hypertension with arteries of general arteries						46 Diseases of arteries of other arteries						49 Other diseases of circulatory system							
16	A 60 Thrombotic hemorrhage heart disease	57	21,247	844	16,685	13,751	2,934	A 61 Arteriosclerotic heart disease	57	2,776	942	1,539	1,294	245	A 63 Hypertension with arteries of general arteries	57	1,571	591	557	38	A 92 Acute bronchitis	57	1,571	591	557	38	A 103 Intestinal obstruction 6 hernia
	A 62 Chronic endo- carditis		1	1	19	4	13	A 63 Hypertension with arteries of general arteries		1	1	1	1	2	A 64 Diseases of bronchitis		1	1	1	1	A 95 Emphyema		14	39	11	376	A 96 Pneumotax
	A 64 Arteriosclerotic heart disease		1	1	13	9	12	A 65 Other diseases of arteries		1	1	1	1	2	A 66 Other diseases of bronchitis		1	1	1	1	A 97 All other disesases to respiratory system		1	1	1	1	A 98 Diseases of teeth
	A 65 Endocarditis		1	1	12	4	7	A 66 Other diseases of bronchitis		1	1	1	1	2	A 67 Acute upper respi- ratory infections		1	1	1	1	A 99 Ulcer of stomach		6	162	178	6	A 100 Ulcer of duodenum
	A 66 Myocarditis		1	1	8	6	7	A 67 Acute upper respi- ratory infections		1	1	1	1	2	A 101 Gastritis		1	1	1	1	A 102 Appendicitis		1	1	1	1	A 103 Intestinal obstruction
	A 67 Myocarditis		1	1	88	68	68	A 68 Myocarditis		20	8	12	12	5	A 104 Ulcer of duodenum		1	1	1	1	A 105 Ulcer of stomach		1	1	1	1	A 106 Hernia
	A 68 Myocarditis		1	1	21	20	20	A 69 Myocarditis		1	3	1	3	1	A 107 Ulcer of duodenum		1	1	1	1	A 108 Appendicitis		1	1	1	1	A 109 Hernia
	A 69 Myocarditis		1	1	10	1	6	A 70 Myocarditis		1	1	1	1	1	A 110 Ulcer of duodenum		1	1	1	1	A 111 Ulcer of stomach		1	1	1	1	A 112 Ulcer of duodenum
	A 70 Myocarditis		1	1	24	2	2	A 71 Myocarditis		17	3	1	1	1	A 113 Ulcer of duodenum		1	1	1	1	A 114 Ulcer of stomach		1	1	1	1	A 115 Ulcer of duodenum
	A 71 Myocarditis		1	1	54	4	4	A 72 Myocarditis		27	23	7	6	3	A 116 Ulcer of duodenum		1	1	1	1	A 117 Ulcer of stomach		1	1	1	1	A 118 Ulcer of duodenum
	A 72 Myocarditis		1	1	49	42	42	A 73 Myocarditis		49	42	7	6	3	A 119 Ulcer of duodenum		1	1	1	1	A 120 Appendicitis		1	1	1	1	A 121 Appendicitis
	A 73 Myocarditis		1	1	36	1	1	A 74 Myocarditis		26	22	4	3	2	A 122 Myocarditis		1	1	1	1	A 123 Myocarditis		1	1	1	1	A 124 Myocarditis
	A 74 Myocarditis		1	1	39	1	28	A 75 Myocarditis		17	11	9	9	6	A 125 Myocarditis		1	1	1	1	A 126 Myocarditis		1	1	1	1	A 127 Myocarditis
	A 75 Myocarditis		1	1	91	1	1	A 76 Myocarditis		81	72	24	4	1	A 128 Myocarditis		1	1	1	1	A 129 Myocarditis		1	1	1	1	A 130 Myocarditis
	A 76 Myocarditis		1	1	32	1	28	A 77 Myocarditis		101	69	50	50	19	A 131 Myocarditis		1	1	1	1	A 132 Myocarditis		1	1	1	1	A 133 Myocarditis
	A 77 Myocarditis		1	1	3	1	1	A 78 All other diseases of heart		157	113	44	15	14	A 134 Myocarditis		1	1	1	1	A 135 Myocarditis		1	1	1	1	A 136 Myocarditis
	A 78 All other diseases of heart		1	1	203	13	13	A 79 Hematologic fever		10	8	15	15	12	A 137 Myocarditis		1	1	1	1	A 138 Myocarditis		1	1	1	1	A 139 Myocarditis
	A 79 Hematologic fever		1	1	28	1	1	A 80 Thrombotic hemorrhage heart disease		19	15	15	15	12	A 140 Myocarditis		1	1	1	1	A 141 Myocarditis		1	1	1	1	A 142 Myocarditis
	A 80 Thrombotic hemorrhage heart disease		1	1	225	12	105	A 81 Arteriosclerotic arterioles disease		105	52	41	34	34	A 143 Myocarditis		1	1	1	1	A 144 Myocarditis		1	1	1	1	A 145 Myocarditis
	A 81 Arteriosclerotic arterioles disease		1	1	105	52	4	A 82 Chronic endo- carditis		105	52	41	34	34	A 146 Myocarditis		1	1	1	1	A 147 Myocarditis		1	1	1	1	A 148 Myocarditis
	A 82 Chronic endo- carditis		1	1	12	1	1	A 83 Hypertension with arteries of general arteries		152	153	77	77	7	A 149 Myocarditis		1	1	1	1	A 150 Myocarditis		1	1	1	1	A 151 Myocarditis
	A 83 Hypertension with arteries of general arteries		1	1	174	174	174	A 84 Arteriosclerotic arterioles disease		153	77	77	77	7	A 152 Myocarditis		1	1	1	1	A 153 Myocarditis		1	1	1	1	A 154 Myocarditis
	A 84 Arteriosclerotic arterioles disease		1	1	105	2	105	A 85 Other diseases of arteries		105	30	26	26	4	A 155 Myocarditis		1	1	1	1	A 156 Myocarditis		1	1	1	1	A 157 Myocarditis
	A 85 Other diseases of arteries		1	1	12	2	105	A 86 Diseases of arteries of other arteries		105	161	126	35	20	A 158 Myocarditis		1	1	1	1	A 159 Myocarditis		1	1	1	1	A 160 Myocarditis
	A 86 Diseases of arteries of other arteries		1	1	1	1	1	A 87 Acute upper respi- ratory infections		105	193	193	193	193	A 161 Myocarditis		1	1	1	1	A 162 Myocarditis		1	1	1	1	A 163 Myocarditis
	A 87 Acute upper respi- ratory infections		1	1	1	1	1	A 88 Meningitis		105	193	193	193	193	A 164 Myocarditis		1	1	1	1	A 165 Myocarditis		1	1	1	1	A 166 Myocarditis
	A 88 Meningitis		1	1	1	1	1	A 89 Lobar pneumonia		105	193	193	193	193	A 167 Myocarditis		1	1	1	1	A 168 Myocarditis		1	1	1	1	A 169 Myocarditis
	A 89 Lobar pneumonia		1	1	1	1	1	A 90 Broncho pneumo- nia		105	193	193	193	193	A 170 Myocarditis		1	1	1	1	A 171 Myocarditis		1	1	1	1	A 172 Myocarditis
	A 90 Broncho pneumo- nia		1	1	1	1	1	A 91 Primary hypertension		105	193	193	193	193	A 173 Myocarditis		1	1	1	1	A 174 Myocarditis		1	1	1	1	A 175 Myocarditis
	A 91 Primary hypertension		1	1	1	1	1	A 92 Acute bronchitis		105	193	193	193	193	A 176 Myocarditis		1	1	1	1	A 177 Myocarditis		1	1	1	1	A 178 Myocarditis
	A 92 Acute bronchitis		1	1	1	1	1	A 93 Bronchitis		105	193	193	193	193	A 179 Myocarditis		1	1	1	1	A 180 Myocarditis		1	1	1	1	A 181 Myocarditis
	A 93 Bronchitis		1	1	1	1	1	A 94 Hypertrophy of lungs		105	193	193	193	193	A 182 Myocarditis		1	1	1	1	A 183 Myocarditis		1	1	1	1	A 184 Myocarditis
	A 94 Hypertrophy of lungs		1	1	1	1	1	A 95 Emphyema		105	193	193	193	193	A 185 Myocarditis		1	1	1	1	A 186 Myocarditis		1	1	1	1	A 187 Myocarditis
	A 95 Emphyema		1	1	1	1	1	A 96 Diseases of lung		105	193	193	193	193	A 188 Myocarditis		1	1	1	1	A 189 Myocarditis		1	1	1	1	A 190 Myocarditis
	A 96 Diseases of lung		1	1	1	1	1	A 97 All other diseases of respiratory system		105	193	193	193	193	A 191 Myocarditis		1	1	1	1	A 192 Myocarditis		1	1	1	1	A 193 Myocarditis
	A 97 All other diseases of respiratory system		1	1	1	1	1	A 98 Diseases of teeth		105	193	193	193	193	A 194 Myocarditis		1	1	1	1	A 195 Myocarditis		1	1	1	1	A 196 Myocarditis
	A 98 Diseases of teeth		1	1	1	1	1	A 99 Ulcer of stomach		105	193	193	193	193	A 197 Myocarditis		1	1	1	1	A 198 Myocarditis		1	1	1	1	A 199 Myocarditis
	A 99 Ulcer of stomach		1	1	1	1	1	A 100 Ulcer of duodenum		105	193	193	193	193	A 200 Ulcer of duodenum		1	1	1	1	A 201 Gastritis		1	1	1	1	A 202 Gastritis
	A 100 Ulcer of duodenum		1	1	1	1	1	A 101 Gastritis		105	193	193	193	193	A 203 Gastritis		1	1	1	1	A 204 Gastritis		1	1	1	1	A 205 Gastritis
	A 101 Gastritis		1	1	1	1	1	A 102 Appendicitis		105	193	193	193	193	A 206 Appendicitis		1	1	1	1	A 207 Appendicitis		1	1	1	1	A 208 Appendicitis
	A 102 Appendicitis		1	1	1	1	1	A 103 Intestinal obstruc- tion		105	193	193	193	193	A 209 Intestinal obstruc- tion		1	1	1	1	A 210 Intestinal obstruc- tion		1	1	1	1	A 211 Intestinal obstruc- tion
	A 103 Intestinal obstruc- tion		1	1	1	1	1	A 104 Hernia		105	193	193	193	193	A 212 Hernia		1	1	1	1	A 213 Hernia		1	1	1	1	A 214 Hernia
	A 104 Hernia		1	1	1	1	1	A 105 Hernia		105	193	193	193	193	A 215 Hernia		1	1	1	1	A 216 Hernia		1	1	1	1	A 217 Hernia
	A 105 Hernia		1	1	1	1	1	A 106 Hernia		105	193	193	193	193	A 218 Hernia		1	1	1	1	A 219 Hernia		1	1	1	1	A 220 Hernia
	A 106 Hernia		1	1	1	1	1	A 107 Hernia		105	193	193	193	193	A 221 Hernia		1	1	1	1	A 222 Hernia		1	1	1	1	A 223 Hernia
	A 107 Hernia		1	1	1	1	1	A 108 Hernia		105	193	193	193	193	A 224 Hernia		1	1	1	1	A 225 Hernia		1	1	1	1	A 226 Hernia
	A 108 Hernia		1	1	1	1	1	A 109 Hernia		105	193	193	193	193	A 227 Hernia		1	1	1	1	A 228 Hernia		1	1	1	1	A 229 Hernia
	A 109 Hernia		1	1	1	1	1	A 110 Hernia		105	193	193	193	193	A 230 Hernia		1	1	1	1	A 231 Hernia		1	1	1	1	A 232 Hernia
	A 110 Hernia		1	1	1	1	1	A 111 Hernia		105	193	193	193	193	A 233 Hernia		1	1	1	1	A 234 Hernia		1	1	1	1	A 235 Hernia
	A 111 Hernia		1	1	1	1	1	A 112 Hernia		105	193	193	193	193	A 236 Hernia		1	1	1	1	A 237 Hernia		1	1	1	1	A 238 Hernia
	A 112 Hernia		1	1	1	1	1	A 113 Hernia		105	193	193	193	193	A 239 Hernia		1	1	1	1	A 240 Hernia						

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

HEART DISEASE		PNEUMONIA		DEATHS BY CAUSE AND RESIDENCE (continued)	
AREA	DEATHS	DEATHS	DEATHS	DEATHS	DEATHS
A 77 Malaria	6 Malaria	A 78 All other diseases	6 serious or previous attacks	A 79 Remittent fever	6 serious or previous attacks
A 80 Chronic rheumatic heart disease	6 degenerative heart disease	A 81 Atterosclerotic heart disease	6 degenerative heart disease	A 82 Other diseases	6 heart diseases
A 83 Chronic rheumatic heart disease	6 heart disease	A 84 Hypertension with heart disease	6 heart disease	A 85 Diseases of heart without mention of heart disease	6 heart disease
A 86 Diseases of heart with mention of heart disease	6 heart disease	A 87 Hypertension	6 heart disease	A 88 Diseases of heart with mention of heart disease	6 heart disease
A 89 Diseases of heart with mention of heart disease	6 heart disease	A 90 Bronchitis	6 bronchitis	A 91 Primary pneumonia	6 bronchitis
A 92 Acute bronchitis	6 bronchitis	A 93 Bronchitis, chronic	6 chronic bronchitis	A 94 Pneumonitis of tonsils & adenoids	6 pneumonitis of tonsils & adenoids
A 95 Emphysema	6 diseases of lung	A 96 Pleurisy	6 pleurisy	A 97 All other respiratory diseases	6 respiratory diseases
A 98 Diseases of teeth & structures	6 diseases of teeth & structures	A 99 Ulcer of stomach	6 ulcer of stomach	A 100 Ulcer of duodenum	6 ulcer of duodenum
A 101 Appendicitis	6 appendicitis	A 102 Gastritis	6 gastritis	A 103 Intestinal obstruction	6 hernia

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

NEPHRITIS & NEPHROSIS	AREA	MATERNAL DEATHS		CONGENITAL MALFORMATIONS	
		Total	A110 Infectious	Total	A120 All other
592-594 Chorionitis	Houghton rural	1	1	1	1
591 Nephritis, hepatitis	Houghton	1	1	1	1
591 Nephritis, hepatitis	Laurium	1	1	1	1
591 Nephritis, hepatitis	Hancock	1	1	1	1
591 Nephritis, hepatitis	Huron rural	1	1	1	1
591 Nephritis, hepatitis	Bad Axe	1	1	1	1
591 Nephritis, hepatitis	Ingham rural	1	1	1	1
591 Nephritis, hepatitis	Lansing	1	1	1	1
591 Nephritis, hepatitis	East Lansing	1	1	1	1
591 Nephritis, hepatitis	Mason	1	1	1	1
591 Nephritis, hepatitis	Ionia rural	1	1	1	1
591 Nephritis, hepatitis	Balding	1	1	1	1
591 Nephritis, hepatitis	Ionia	1	1	1	1
591 Nephritis, hepatitis	Portland	1	1	1	1
591 Nephritis, hepatitis	Ioseo	1	1	1	1
591 Nephritis, hepatitis	Iron rural	1	1	1	1
591 Nephritis, hepatitis	Isabella rural	1	1	1	1
591 Nephritis, hepatitis	Iron River	1	1	1	1
591 Nephritis, hepatitis	Mc. Pleasant	1	1	1	1
591 Nephritis, hepatitis	Jackson rural	1	1	1	1
591 Nephritis, hepatitis	Kalamazoo	1	1	1	1
591 Nephritis, hepatitis	Kalispell	1	1	1	1
591 Nephritis, hepatitis	Kent rural	1	1	1	1
591 Nephritis, hepatitis	E. Grand Rapids	1	1	1	1
591 Nephritis, hepatitis	Lake	1	1	1	1
591 Nephritis, hepatitis	Keweenaw	1	1	1	1
591 Nephritis, hepatitis	Lapeer	1	1	1	1
591 Nephritis, hepatitis	Leelanau	1	1	1	1
591 Nephritis, hepatitis	Manistee rural	1	1	1	1
591 Nephritis, hepatitis	Marquette rural	1	1	1	1
591 Nephritis, hepatitis	St. Ignace	1	1	1	1
591 Nephritis, hepatitis	Ishpeming	1	1	1	1
591 Nephritis, hepatitis	Hudson	1	1	1	1
591 Nephritis, hepatitis	Clemens	1	1	1	1
591 Nephritis, hepatitis	Centerline	1	1	1	1
591 Nephritis, hepatitis	Howell	1	1	1	1
591 Nephritis, hepatitis	Ludington	1	1	1	1
591 Nephritis, hepatitis	Big Rapids	1	1	1	1
591 Nephritis, hepatitis	Neoshoenac	1	1	1	1
591 Nephritis, hepatitis	Roseville	1	1	1	1
591 Nephritis, hepatitis	Romeo	1	1	1	1
591 Nephritis, hepatitis	S. Clair Shores	1	1	1	1
591 Nephritis, hepatitis	Manistee	1	1	1	1
591 Nephritis, hepatitis	Marquette	1	1	1	1
591 Nephritis, hepatitis	Neoshoenac	1	1	1	1
591 Nephritis, hepatitis	Midland	1	1	1	1
591 Nephritis, hepatitis	Missaukee	1	1	1	1
591 Nephritis, hepatitis	Monroe	1	1	1	1
591 Nephritis, hepatitis	Milan (part)	1	1	1	1
591 Nephritis, hepatitis	Montcalm rural	1	1	1	1
591 Nephritis, hepatitis	Greenville	1	1	1	1
591 Nephritis, hepatitis	Montmorency	1	1	1	1
591 Nephritis, hepatitis	Muskegon rural	1	1	1	1
591 Nephritis, hepatitis	Muskegon lts.	1	1	1	1
591 Nephritis, hepatitis	Fremont	1	1	1	1

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

NEPHRITIS & NEPHROSIS	AREA	DEATHS BY CAUSE AND RESIDENCE (continued)		MATERNAL DEATHS
		Total	Nonwhite	
A104 Gastro-enteritis		5	1	
Gastritis, except diarrhea of newborn				
A105 Cholecystitis or liver		9	1	
Cholelithiasis or gallbladder system				
A106 Cholangitis		6	1	
Cholangitis or bile duct disease				
A107 Other diseases of digestive system		2	1	
Other diseases of digestive system				
A108 Acute nephritis		16	2	
Nephritis, acute				
A109 Chronic, other nephritis		1	1	
Nephritis, chronic, other				
A110 Chronic nephritis		14	1	
Nephritis, chronic				
A111 Chronic nephritis, in-		1	1	
cluding nephrotic syndrome				
A112 Hypertension		5	2	
Hypertension, primary				
A113 Interactions of kidney		4	1	
Kidney, interactions of				
A114 Diseases of genito-urinary system		1	1	
Diseases of genito-urinary system				
A115 Spontaneous pre-eclampsia		1	1	
Spontaneous pre-eclampsia				
A116 Toxemias of pregnancy		2	2	
Toxemias of pregnancy				
A117 Hemorrhage of pregnancy		2	1	
Hemorrhage of pregnancy				
A118 Abortion with or without septicemia		1	1	
Abortion with or without septicemia				
A119 Abortion with toxemia		1	1	
Abortion with toxemia				
A120 Other complications of pregnancy		1	1	
Other complications of pregnancy				
A121 Infections of skin and membranes		5	3	
Infection of skin and membranes				
A122 Arthritis, sprains and strains		5	3	
Arthritis, sprains and strains				
A123 Muscular rheumatism		1	1	
Muscular rheumatism				
A124 Sustained stiffness		1	1	
Sustained stiffness				
A125 Myalgias, g		1	1	
Myalgias, g				
A126 All other diseases of skeletal system		2	1	
All other diseases of skeletal system				
A127 Spina bifida		34	2	
Spina bifida				
A128 Total		34	2	
Total				
A129 All other congenital malformations		13	1	
Congenital malformations				
A130 Cleft lip and palate		7	7	
Cleft lip and palate				
A131 Clubfoot		1	1	
Clubfoot				
A132 Congenital malformations of heart		1	1	
Congenital malformations of heart				
A133 Congenital malformations of eye		1	1	
Congenital malformations of eye				
A134 Congenital malformations of ear		1	1	
Congenital malformations of ear				
A135 Congenital malformations of limb		1	1	
Congenital malformations of limb				
A136 Congenital malformations of genitalia		1	1	
Congenital malformations of genitalia				
A137 Congenital malformations of urinary system		1	1	
Congenital malformations of urinary system				
A138 Congenital malformations of blood vessels		1	1	
Congenital malformations of blood vessels				
A139 Congenital malformations of bone and cartilage		1	1	
Congenital malformations of bone and cartilage				
A140 Congenital malformations of skin and appendages		1	1	
Congenital malformations of skin and appendages				
A141 Congenital malformations of nervous system		1	1	
Congenital malformations of nervous system				
A142 Congenital malformations of eye, ear, limb, heart and blood vessels		1	1	
Congenital malformations of eye, ear, limb, heart and blood vessels				
A143 All other congenital malformations		1	1	
All other congenital malformations				

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

ACCIDENTS	AREA	STATE	ACCIDENTS											
			1	2	3	4	5	6	7	8	9	10	11	12
A130 Birth injuries	A131 Postpartum complications	512	637	1	1	1	1	1	1	1	1	1	1	1
A132 Infections of newborn												1	1	1
763 Pneumonia of newborn												1	1	1
764 Diarrhea of newborn												1	1	1
765-766 Other infections of newborn												1	1	1
A133 Hemolytic disease of newborn												1	1	1
A134 All other diseases of early infancy												1	1	1
A135 Ill-defined diseases of early infancy												1	1	1
774-776 Immunotherapy												1	1	1
A136 Severity without mention of pyrexia												1	1	1
A137 Ill-defined diseases of mortality												1	1	1
A138 Motor vehicle accidents												1	1	1
A139 Other accidents												1	1	1
A140 Accidental poisonings												1	1	1
A141 Accidental falls												1	1	1
A142 Accidental causes by machinery												1	1	1
A143 Accidental causes by hot substances, corrosive liquids, steam, gas, explosive materials												1	1	1
A144 Accident caused by fire or explosion												1	1	1
A145 Accidental causes by firearms												1	1	1
A146 Accidental drowning												1	1	1
A147 All other accidents												1	1	1
A149 Homeless & injured												1	1	1

TABLE 6 - DEATHS BY CAUSE AND RESIDENCE (continued)

TABLE 8 - DEATHS BY CAUSE AND RESIDENCE (continued)

ACCIDENTS	ACCIDENTS IN CARS AND MOTOR CYCLES		ACCIDENTS IN CYCLES AND BIKES		ACCIDENTS IN PASSENGER VEHICLES		ACCIDENTS IN COMMERCIAL VEHICLES		ACCIDENTS IN OTHER VEHICLES		ACCIDENTS IN AIRCRAFT		ACCIDENTS IN HELICOPTERS		ACCIDENTS IN BOATS		ACCIDENTS IN RAILROAD		ACCIDENTS IN AIRPORTS		ACCIDENTS IN OTHER PLACES																															
	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE	NUMBER	PERCENTAGE																														
A149 Homeless injury possibly due to injury by other persons	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A148 Self-inflicted injury	16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A147 All other causes	7	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A146 Accidental drowning & submersion	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A145 Accident caused by fire or steam	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A144 Accident caused by fire or explosive material	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A143 Accident caused by fire or explosive material	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A142 Accident caused by machinery	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A141 Accidental falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A140 Accidental poisoning	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A139 Other accidents	61	4	14	9	4	3	7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A138 Motor vehicle accidents	101	19	21	6	5	2	11	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A137 Ill-defined of motorility	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A136 Semifly without movement of psychosis	4	1	46	21	15	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A135 Ill-defined immobility	49	1	7	3	2	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A134 Ill-defined seizures	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A133 Hemolytic disease	5	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A132 Other de- fined diseases	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A131 Postural syndromes	12	1	7	4	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
A130 Birth injuries	11	1	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																														
AREA	Oakland rural	Birmingham	Ferndale	Holly	Huntington Woods	Northville (part)	Oak Park	Oceana	Pleasant Ridge	Royal Oak	Royal Oak	St. Clair	Saint Clair Shores	Saginaw	Sandusky	Schoolcraft	Manistique	Shiawassee	Durand	St. Joseph	Three Rivers	Tuscola	Carey	Chelsea	Port Huron	St. Clair	Algonac	Marysville	Sturgis	Three Rivers	Tuscola	Ipsilanti	Ann Arbor	River Rouge	Detroit	Highland Park	Wyomouth	Wandale	Dearborn	Grosse Pt. Farms	Grosse Pt. Woods	Inkster	Lincoln Park	Melvindale	Northville (part)	Trenton	Wayne	Allen Park	Garden City	Livonia	Westford rural	Cadillac

TEN LEADING CAUSES OF DEATH  
DISTRIBUTION BY AGE GROUPS  
MICHIGAN, 1952

CAUSE	TOTAL	PERCENT	N U M B E R			Total	Under 15 Yrs	15 & Over*	P E R C E N T			
			Under 15 Yrs	15	45 & 64				Total	Under 15 Yrs	15 & 44	45 & 64
All Causes	59,138	100	6,085	5,570	17,082	30,401	100	10.3	9.4	28.9	51.4	
Diseases of heart	21,247	35.9	32	1,011	6,951	13,253	100	0.2	4.7	32.7	62.4	
Cancer	9,256	15.7	167	846	3,739	4,504	100	1.8	9.1	40.4	48.7	
Vascular lesions of c.n.s.	6,521	11.0	23	203	1,524	4,771	100	0.3	3.1	23.4	73.2	
Accidents	3,901	6.6	617	1,373	860	1,051	100	15.0	35.2	22.1	26.9	
Pneumonia and influenza**	1,693	2.9	409	131	358	795	100	24.2	7.7	21.1	47.0	
Diabetes mellitus	1,339	2.3	7	75	457	800	100	0.5	5.6	34.1	59.8	
Arteriosclerosis	1,294	2.2	-	-	61	1,233	100	0	0	4.7	95.3	
Immaturity	1,256	2.1	1,256	-	-	-	100	100	0	0	0	
Congenital malformations	970	1.6	877	47	32	14	100	90.5	4.9	3.3	1.4	
Nephritis and nephrosis	873	1.5	34	169	277	393	100	3.9	19.4	31.7	45.0	
All other causes	10,788	18.2	2,663	1,715	2,823	3,587	100	24.7	15.9	26.2	33.2	

\* Including 16 of unknown age.

\*\* Excluding pneumonia of newborn.

The four leading causes of death accounted for approximately 70% of all deaths. The first three of these, heart, cancer and vascular lesions occurred largely among the older age groups, with only 5%, 11% and 3%, respectively, under 45 years.

However, in the fourth leading cause, accidental deaths, 51% were under 45 years of age. With the exception of deaths due to immaturity and congenital malformations, which occur largely in infancy, accidental deaths is the only one of the ten leading causes with approximately half (51%) of the deaths in the age groups under 45 years. The fifth cause, pneumonia and influenza, and the tenth cause, nephritis and nephrosis, follow in line in this respect; 32% of the pneumonia and influenza deaths and 23% of the nephritis and nephrosis are under 45 years of age.

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

59,138

# LEADING CAUSES OF DEATH

MICHIGAN 1952

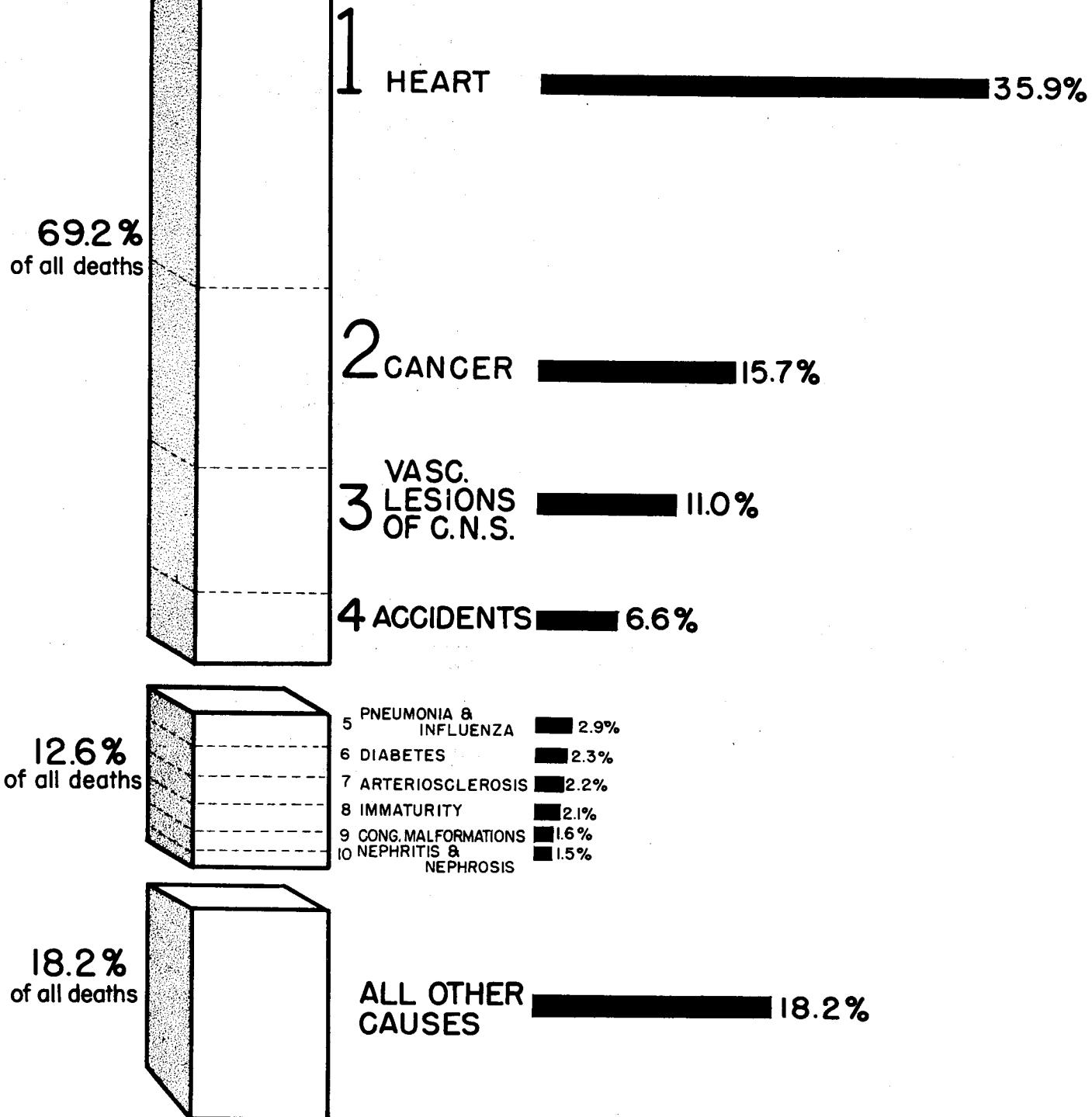


TABLE 9 - LEADING CAUSES OF DEATH BY AGE GROUP  
MICHIGAN, 1952

(Leading causes in each age group selected on the basis of the Intermediate List of 150 Causes with subdivisions of causes A81, A85, A109, A132, A135, and A147.)

Under 1 Year			1 - 4			5 - 14		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	4,689	100	All Causes	720	100	All Causes	676	100
Immaturity	1,256	26.8	Accidents	201	27.9	Accidents	276	40.8
Congenital malformations	786	16.8	Malignant neoplasms	83	11.5	Malignant neoplasms	72	10.7
Postnatal asphyxia and atelectasis	637	13.6	Pneumonia & influenza	71	9.9	Acute poliomyelitis	60	8.9
Birth injuries	512	10.9	Congenital malformations	62	8.6	Pneumonia & influenza	30	4.4
Pneumonia & influenza (includes pneumonia of newborn)	404	8.6	Acute poliomyelitis	32	4.4	Congenital malformations	29	4.3
			Meningococcal infections	32	4.4			

15 - 24			25 - 34			35 - 44		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	1,033	100	All Causes	1,571	100	All Causes	2,966	100
Accidents	541	52.4	Accidents	431	27.4	Diseases of heart	766	25.8
Malignant neoplasms	73	7.1	Malignant neoplasms	208	13.2	Malignant neoplasms	565	19.0
Diseases of heart	46	4.5	Diseases of heart	199	12.7	Accidents	401	13.5
Acute poliomyelitis	42	4.1	Suicide	107	6.8	Vascular lesions of central nervous system	141	4.8
Nephritis & nephrosis	33	3.2	Homicide	71	4.5	Tuberculosis	111	3.7

45 - 54			55 - 64			65 & Over*		
Cause of Death	Number	%	Cause of Death	Number	%	Cause of Death	Number	%
All Causes	6,116	100	All Causes	10,966	100	All Causes	30,401	100
Diseases of heart	2,345	38.3	Diseases of heart	4,606	42.0	Diseases of heart	13,253	43.6
Malignant neoplasms	1,325	21.7	Malignant neoplasms	2,414	22.0	Vascular lesions of central nervous system	4,771	15.7
Vascular lesions of central nervous system	464	7.6	Vascular lesions of central nervous system	1,060	9.7	Malignant neoplasms	4,504	14.8
Accidents	415	6.8	Accidents	445	4.1	Arteriosclerosis	1,233	4.1
Tuberculosis	146	2.4	Diabetes	327	3.0	Accidents	1,051	3.5

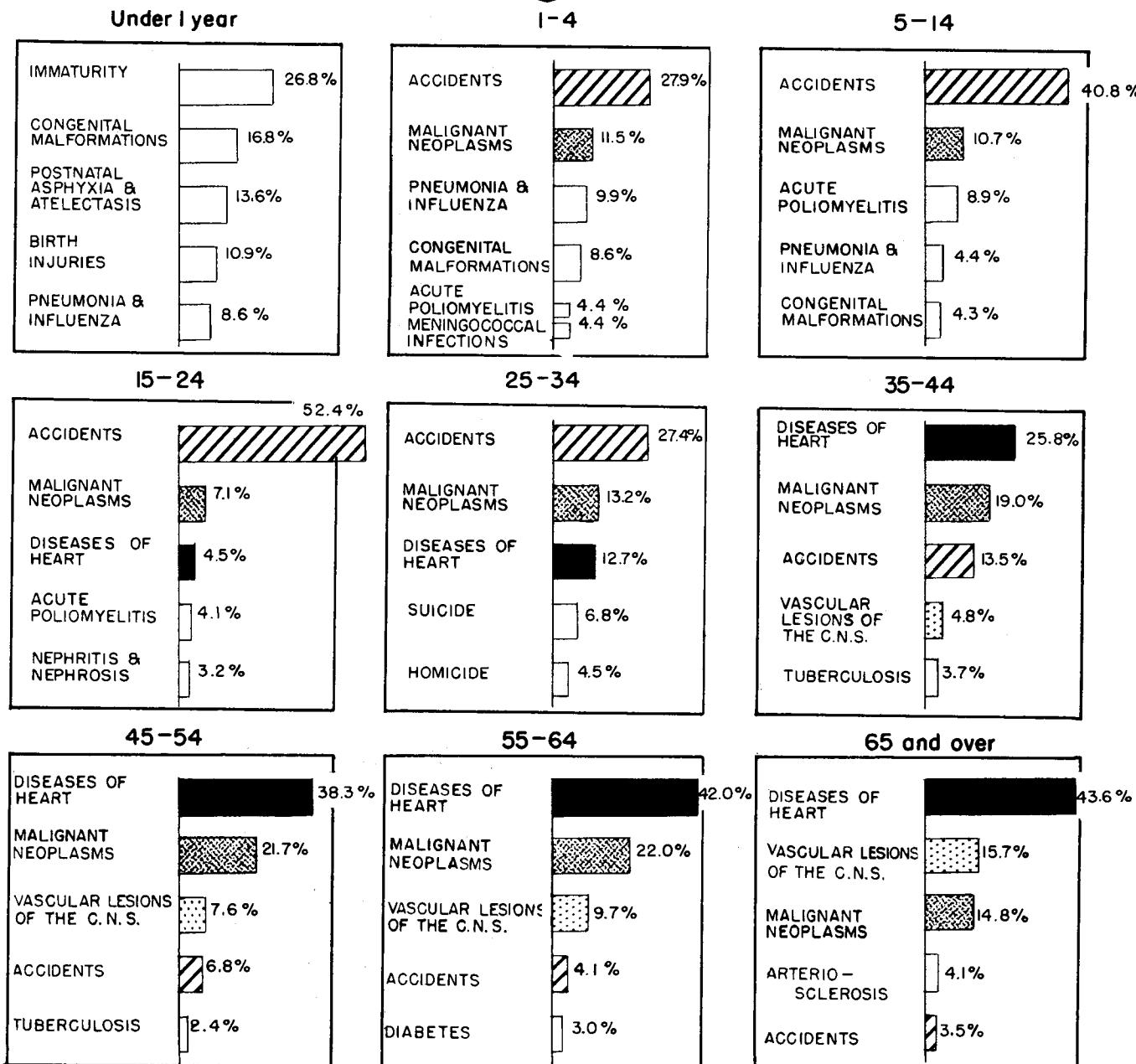
\*Includes 16 deaths of unknown age.

# LEADING CAUSES OF DEATH

## BY AGE GROUPS

### MICHIGAN

#### 1952



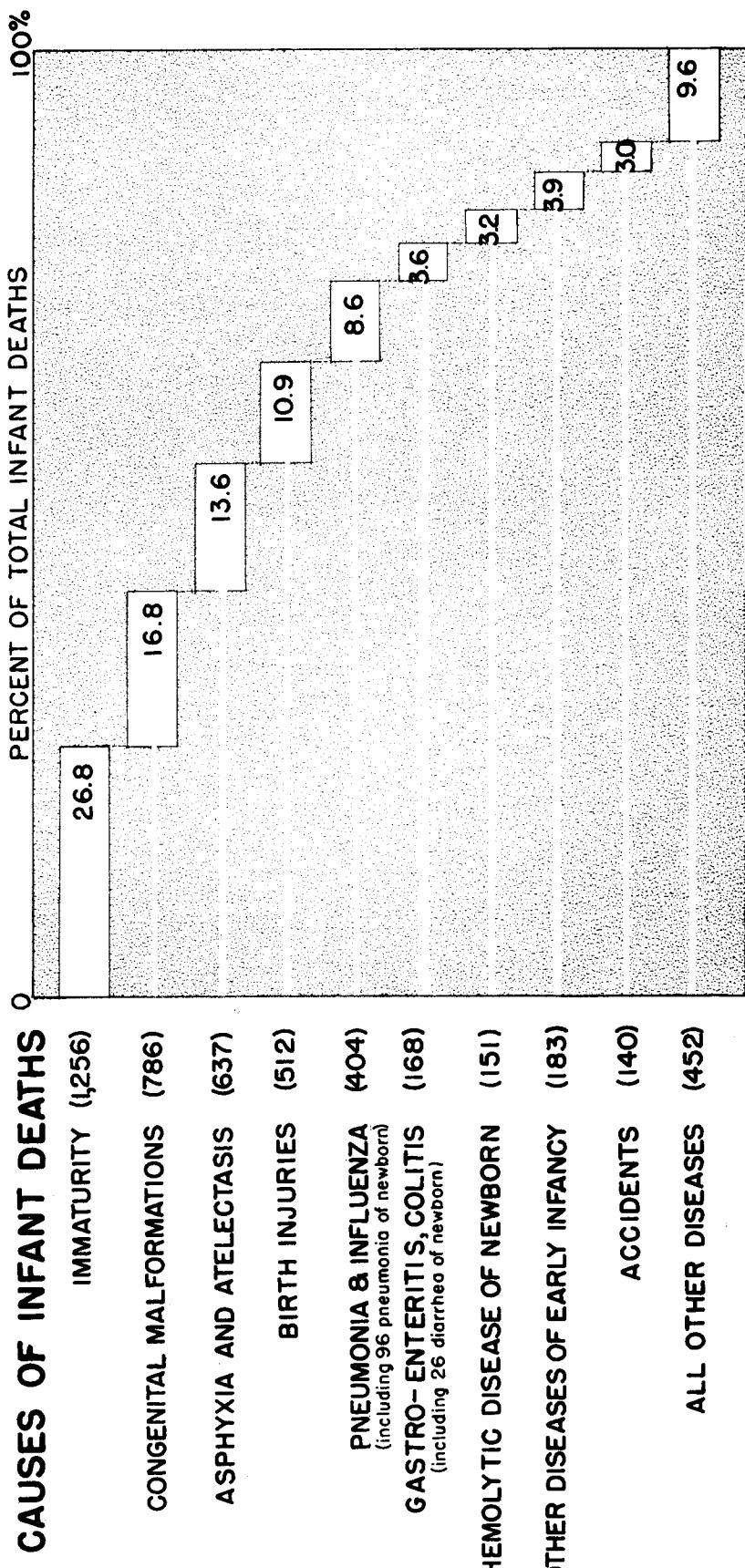
Diseases of the heart lead as a cause of death among all age groups 35 years and over and constitute an increasingly larger percentage of the total deaths in each successively older age group.

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

Malignant neoplasms first appear in the age group 1-4 years as the 2nd ranking cause of death, maintaining this position in all successive age groups until shifting to third position in the 65 years and older group.

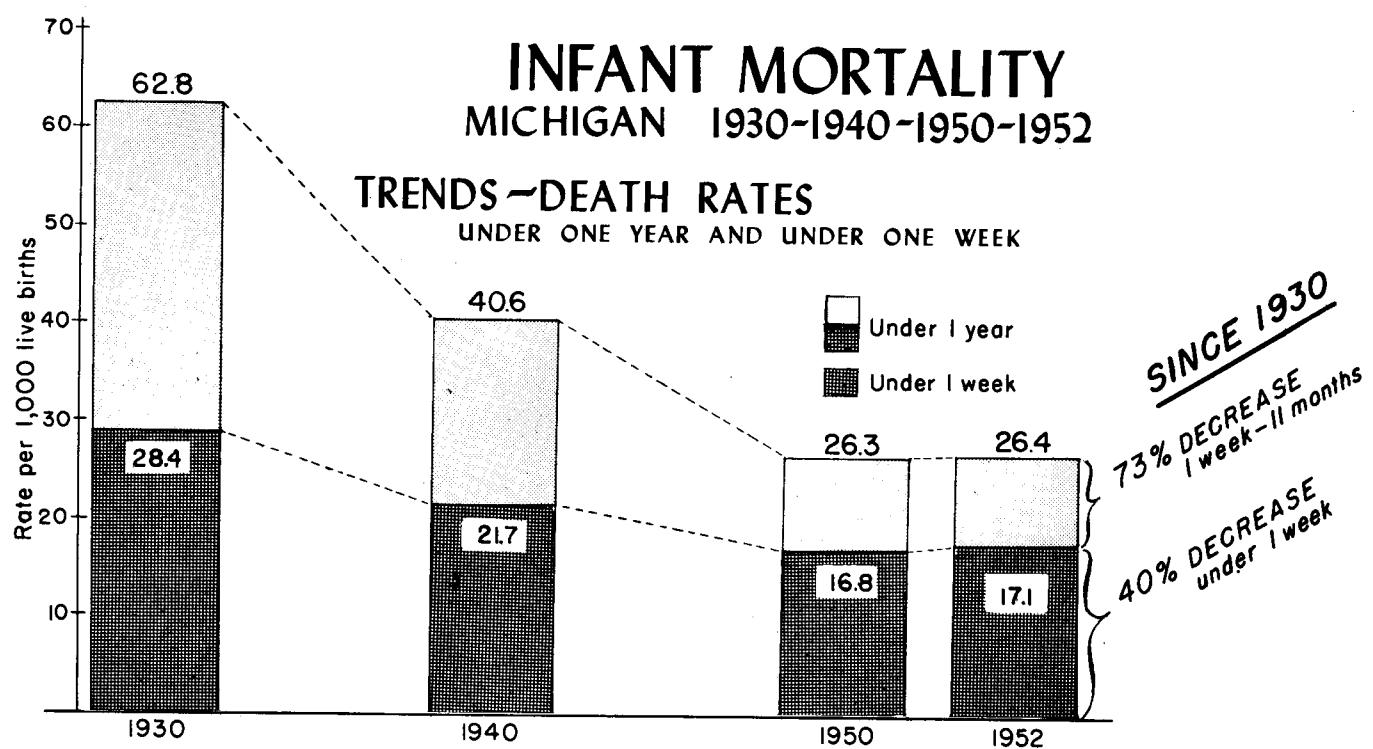
**177,835 Babies Born  
+ 4,689 died under 1 year of age**

**Michigan 1952**

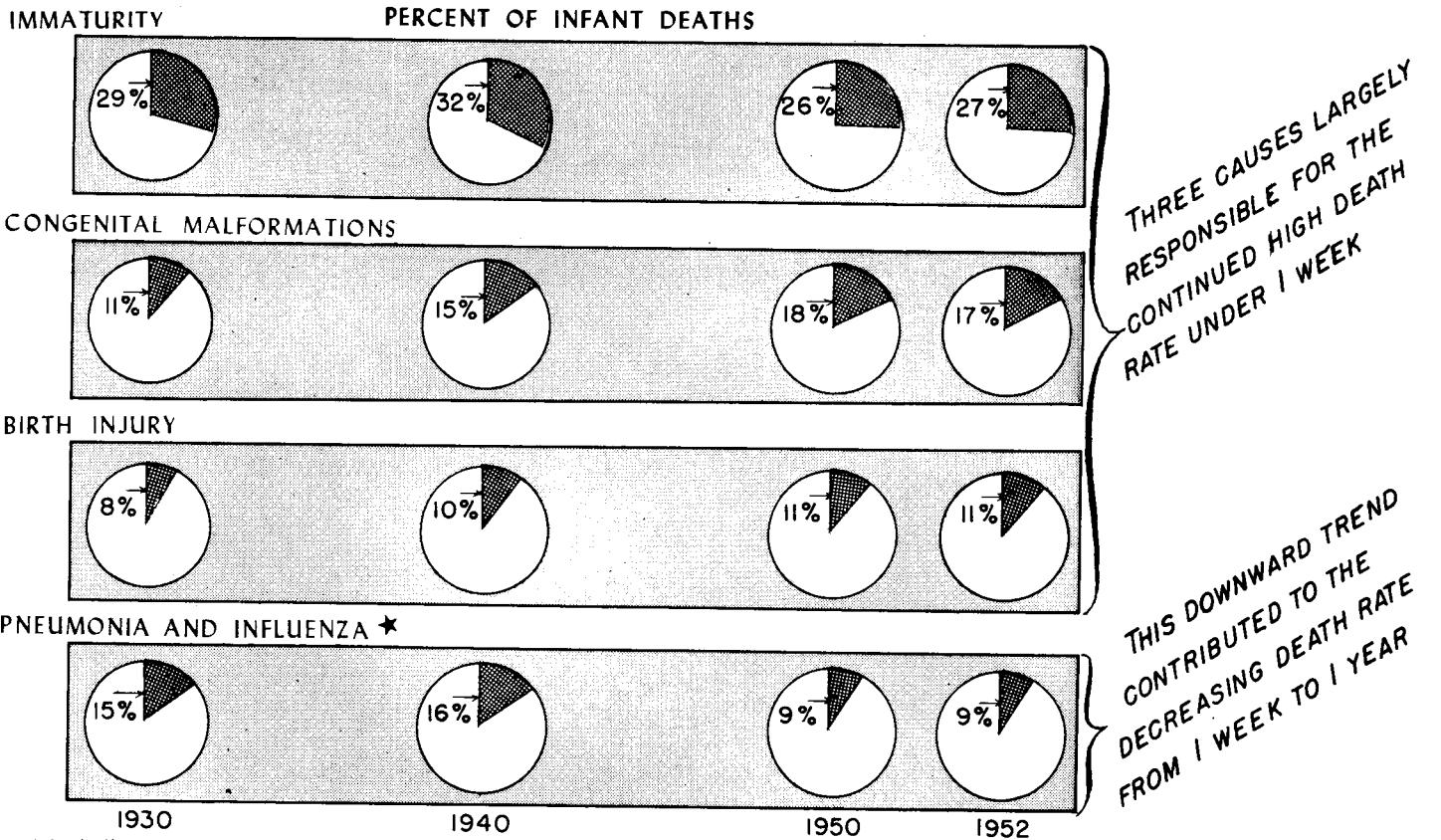


Nearly 70% of all infant deaths are due to the first four causes; immaturity at birth, congenital malformations, asphyxia and atelectasis, and birth injuries.

These four causes account for this large proportion of infant deaths, mainly because they are leading causes among infants dying under 1 week of age, the age group comprising 65% of all infant deaths.



### CERTAIN CAUSES OF INFANT DEATHS



\* Including pneumonia of newborn

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

CAUSE OF DEATH	Int. List No.	D A Y S			W E E K S			M O N T H S			Y E A R S																				
		Under 5 Yrs	Under 1 Day	2 3-6 Wk	Under 1 Wk	7-13	14-20	21-27	Under 1 Mth	2	3	4	5	6	7	8	9	10	11	Under 1 Yr	1	2	3	4							
ALL CAUSES	5,409	1,787	488	371	396	3,042	194	107	71	3,414	269	217	153	133	131	76	89	55	63	41	46	4,689	300	176	136	108					
TUBERCULOSIS, ALL FORMS																															
Tuberculosis of respiratory system	A 1-A 5	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	14	3	2				
Tuberculosis of meninges and central nervous system	A 2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	1	1				
Tuberculosis of bones and joints	A 4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	2	1				
Tuberculosis, all other forms	A 5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	1				
Congenital syphilis	A 6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-				
Dysentery, all forms	A 16	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	5	1	1				
Sepicemia and pyemia	A 20	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	1	2				
Diphtheria	A 21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-				
Whooping cough	A 22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	1	-				
Meningococcal infections	A 23	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	11	3	2				
Acute poliomyelitis	A 28	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	12	-				
Acute infectious encephalitis	A 29	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-				
Measles	A 32	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	3	4	1				
Infectious hepatitis	A 34	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-				
All other diseases classified as infective and parasitic	A 43	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	2	1				
MALIGNANT NEOPLASMS, ALL FORMS	A 44-A 59	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	14	24	23	22			
Malignant neoplasm of prostate	A 54	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-				
Malignant neoplasm of skin	A 55	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-				
Malignant neoplasm of bone and connective tissue	A 56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-				
Malignant neoplasm of all other and unspecified sites	A 57	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	14	5	6				
Leukemia and aleukemia	A 58	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	6	17	15			
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system	A 59	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1				
Benign neoplasms and neoplasms of unspecified nature	A 60	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	3	1			
Nontoxic goiter	A 61	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-			
Diabetes mellitus	A 63	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-				
Avitaminosis and other deficiency states	A 64	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	1	1	1				
Anemias	A 65	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	3	1			
Allergic disorders; all other endocrine, metabolic and blood diseases	A 66	77	3	3	2	11	3	2	2	1	1	1	1	1	1	1	2	1	3	59	9	4	1	4	-	-	-				
Psychoneuroses and disorders of personality	A 68	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	7	2	1	2	-			
Mental deficiency	A 69	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	1	11	3	2	1	-			
Vascular lesions affecting central nervous system	A 70	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	24	9	1	3	-			
Nonmeningococcal meningitis	A 71	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	1	1	1	1	3	-			
Epilepsy	A 73	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	7	-	-	-				
Otitis media and mastoiditis	A 77	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	22	13	5	6	-			
All other diseases of the nervous system and sense organs	A 78	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	2	3	1	1	1	1	3	1	2	-			
Rheumatic fever	A 79	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-			
HEART DISEASE, ALL FORMS	A 80-A 83	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1	1	1	1	1	1	1	3	2	-			
Arteriosclerotic and degenerative heart disease	A 81	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-			
420 Arteriosclerotic heart disease, including coronary disease	A 82	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1	1	1	1	1	1	1	1	1	-			
421-422 Nonrheumatic chronic endocarditis & other myocardial degeneration	A 83	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-			
Other diseases of heart	A 84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-			
Diseases of arteries	A 85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-			
451-456 Other diseases of arteries	A 86	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	1	1	1	1	-			
Other diseases of circulatory system	A 87	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	-			
Acute upper respiratory infections	A 88	26	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	1	1	1	1	-			
Influenza	A 89	353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	43	37	29	17	9	11	14	8	6	288	41	14	10	-
Lobar pneumonia	A 89	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	8	5	6	4	2	1	5	3	3	3	-		
Bronchopneumonia	A 90	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	31	17	22	17	7	6	5	2	1	153	18	6	5	-
Primary atypical, other and unspecified pneumonia	A 91	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	22	18	10	6	2	3	3	4	93	15	5	2	-	

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

TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE  
MICHIGAN, 1952

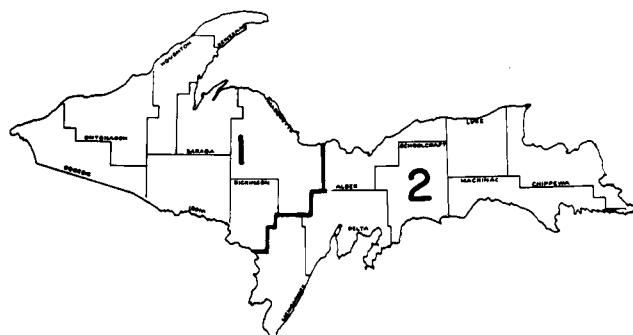
(Exclusive of fetal deaths. Place of residence according to rural areas and urban incorporated areas having a 1950 population of 2,500 or more.)

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

AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Wks	M O N T H S											Under 1 Yr	Y E A R S				
			1	2	3-6		7-13	14-20	21-27		1	2	3	4	5	6	7	8	9	10	11		1	2	3	4	
Luce rural	3	1	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	-	1	-	-	
Newberry	5	3	2	-	-	5	-	-	-	5	-	-	-	-	-	5	-	-	-	-	-	5	-	1	-	-	
Mackinac rural	6	1	-	-	1	1	1	4	4	1	-	-	1	1	1	1	1	1	1	1	1	5	5	1	-	-	
St. Ignace	5	2	-	1	1	1	1	1	1	4	-	-	4	-	-	1	-	-	-	-	-	5	5	1	-	-	
Macomb rural	89	25	4	8	8	45	9	1	-	17	-	-	17	6	3	2	1	2	1	2	1	1	77	32	1	2	1
Mt. Clemens	36	10	2	3	2	17	-	-	-	5	1	1	1	1	1	1	1	1	1	1	1	14	26	-	-	-	
Centerline	11	2	-	-	5	-	-	-	-	5	1	1	1	1	1	1	1	1	1	1	1	7	5	1	2	1	
East Detroit	21	4	1	1	2	8	1	1	1	18	4	-	2	-	1	-	1	-	1	-	1	14	26	-	-	-	
Roseville	26	10	1	4	2	17	1	-	-	18	-	-	-	-	-	-	-	-	-	-	-	15	5	1	2	1	
Romeo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Clair Shores	17	8	1	1	1	11	-	1	-	12	1	1	1	1	1	1	1	1	1	1	1	11	3	1	1	1	
Manistee rural	6	1	-	-	1	1	-	2	-	1	1	1	1	1	1	1	1	1	1	1	1	5	5	1	1	1	
Manistee	5	-	1	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	2	1	1	1	
Marquette rural	8	1	1	1	-	2	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	5	6	1	2	1	
Ishpeming	7	3	-	1	1	-	4	1	1	-	6	-	-	-	-	-	-	-	-	-	-	11	3	1	-	-	
Marquette	13	7	1	1	-	2	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	5	6	1	-	-	
Negaunee	4	2	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	10	9	2	-	-	
Mason rural	7	1	-	-	1	1	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	5	8	1	-	-	
Ludington	8	4	-	3	-	2	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	6	2	-	-	-	
Mecosta rural	8	1	-	1	1	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	5	5	1	-	-	
Big Rapids	6	2	-	-	1	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5	5	1	-	-	
Menominee rural	8	1	-	-	1	1	-	1	-	1	1	1	1	1	1	1	1	1	1	1	1	10	9	2	-	-	
Menominee	10	4	1	-	3	8	-	1	-	9	1	1	1	1	1	1	1	1	1	1	1	12	11	2	1	1	
Midland rural	13	1	-	2	1	4	-	-	-	4	-	-	-	1	1	1	1	1	1	1	1	1	12	11	2	1	1
Midland	13	6	2	-	1	11	-	-	-	1	12	-	-	-	-	-	-	-	-	-	-	12	11	2	1	1	
Missaukee	5	1	-	-	1	2	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Monroe rural	43	13	6	3	1	23	1	-	-	24	1	3	2	1	1	1	1	1	1	1	1	34	6	1	-	-	
Monroe	24	9	1	1	1	12	2	-	-	15	2	1	1	1	1	1	1	1	1	1	1	21	1	1	1	1	
Milan (part)	-	-	-	-	-	-	-	-	-	7	-	-	-	8	-	3	1	-	-	-	-	12	-	1	-	-	
Montcalm rural	15	4	1	-	2	7	1	-	-	1	4	1	-	2	-	-	-	-	-	-	-	7	-	-	-	-	
Greenville	7	3	-	1	4	-	-	-	-	1	19	1	2	2	3	3	2	3	1	1	1	135	7	6	9	3	
Montmorency	3	1	1	-	2	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	22	1	-	-	-	
Muskegon rural	59	17	6	5	1	29	3	1	-	2	35	2	3	2	4	3	2	3	2	3	1	52	22	1	2	1	
Muskegon	46	12	2	3	4	21	3	3	-	2	29	2	2	2	1	1	1	1	1	1	1	42	22	1	1	1	
Muskegon Hts.	25	9	2	-	2	13	2	-	-	1	16	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	
Newaygo rural	21	3	-	2	1	6	-	1	-	7	2	-	-	1	-	-	-	-	-	-	14	1	1	2	3		
Fremont	2	-	-	-	-	-	-	-	-	104	3	4	1	5	7	2	3	2	3	1	1	135	7	6	9	3	
Oakland rural	160	65	11	7	10	93	4	5	2	104	3	4	1	5	7	2	3	2	3	1	1	1	22	1	-	-	
Birmingham	23	12	2	2	1	17	-	-	-	17	1	1	1	1	1	1	1	1	1	1	1	27	1	-	-	-	
Ferndale	31	9	5	1	1	16	2	-	-	1	19	1	2	2	3	1	1	2	1	1	1	70	5	2	3	-	
Pontiac	80	20	8	2	11	41	3	2	-	46	10	2	1	2	3	1	2	1	2	1	1	4	-	-	-	-	
Rochester	5	2	-	1	-	3	-	-	-	3	-	-	12	2	-	-	-	-	-	-	-	16	-	1	1	-	
Berkley	18	8	4	2	-	12	-	-	-	12	2	-	-	1	-	-	-	-	-	-	-	16	3	1	-	-	
Clawson	4	-	-	2	2	-	-	-	-	12	2	-	-	1	-	-	-	-	-	-	-	16	3	1	-	-	
Pleasant Ridge	1	-	-	-	-	-	-	-	-	33	1	5	-	-	-	-	-	-	-	-	-	1	-	1	-	-	
Royal Oak	51	23	5	2	2	32	-	-	-	1	33	1	5	-	-	-	-	-	-	-	-	41	2	3	2	3	
Hazel Park	35	15	5	2	1	19	1	1	1	1	22	-	1	1	1	1	1	1	1	1	1	28	3	1	3	-	
Holly	4	-	1	-	1	-	-	-	-	2	1	-	-	1	-	-	-	-	-	-	-	4	-	-	-	-	
Huntington Woods	6	3	1	-	4	-	-	-	-	4	-	-	-	1	-	-	-	-	-	-	-	5	1	-	-	-	
Northville (part)	-	-	-	-	-	-	-	-	-	9	-	-	-	1	-	-	-	-	-	-	-	11	1	1	-	-	
Oak Park	13	6	1	1	1	9	-	-	-	9	-	-	-	1	-	-	-	-	-	-	-	10	2	1	-	-	
Oceana	12	4	2	1	1	8	-	-	-	8	-	-	-	1	-	-	-	-	-	-	-	7	-	-	-	-	
Ogemaw	7	1	2	-	2	5	-	-	-	1	6	-	-	1	-	-	-	-	-	-	-	2	-	-	-	-	
Ontonagon	3	-	-	1	1	1	-	-	-	7	-	-	-	1	-	-	-	-	-	-	-	13	1	-	-	-	
Oscoda	14	5	1	1	1	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	2	1	-	-	-	
Otsego	3	1	1	1	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	25	1	2	-	-	
Ottawa rural	28	8	5	4	2	19	1	-	-	20	-	1	1	1	1	1	1	1	1	1	1	25	1	2	1	-	
Grand Haven	5	1	-	1	2	-	-	-	-	2	-	-	-	3	-	-	-	-	-	-	-	4	-	-	-	-	
Holland	6	2	-	1	1	3	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	5	1	-	-	-	
Zeeland	1	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	
Presque Isle rural	5	2	1	1	-	4	-	-	-	4	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	
Rogers City	9	4	4	1	1	3	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	3	2	1	4	4	
Roscommon	3	1	-	1	1	3	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	
Saginaw rural	71	27	4	4	7	42	1	-	-	1	44	3	6	2	4	1	2	2	1	1	1	61	3	2	1	4	
Saginaw																											

# POPULATION CHANGES BY ECONOMIC AREAS PERCENTAGE DISTRIBUTION

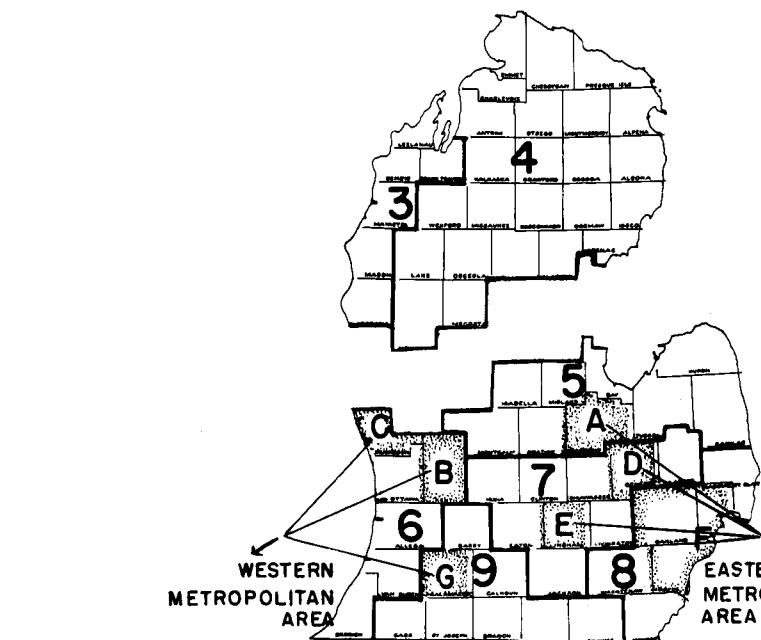
**MICHIGAN 1930, 1940, 1950, 1952**



## UPPER PENINSULA

	1930	1940	1950	1952
TOTAL	6.6	6.1	4.7	4.4
Area 1	4.2	3.8	2.8	2.6
Area 2	2.4	2.3	1.9	1.8

## LOWER PENINSULA



### UPPER PART

	1930	1940	1950	1952
TOTAL	6.2	6.4	5.7	5.4
Area 3	1.8	1.8	1.6	1.5
Area 4	4.4	4.6	4.1	3.9

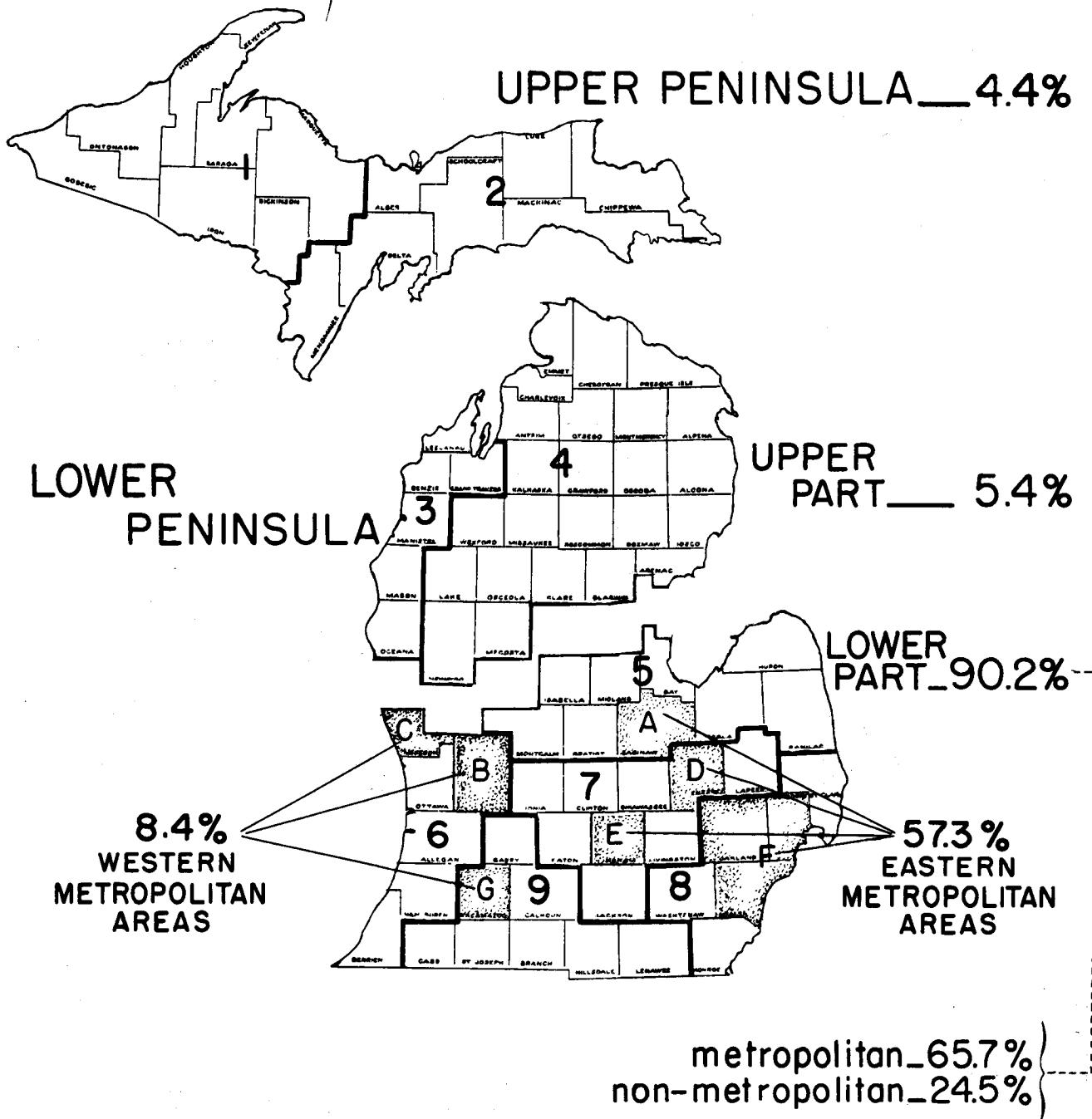
### LOWER PART

	1930	1940	1950	1952
TOTAL	87.2	87.5	89.6	90.2
Area 5,A	7.8	7.9	7.4	7.3
Area 6,B,C	11.0	10.8	10.8	10.9
Area 7,D,E	12.4	12.2	12.1	12.1
Area 8,F	48.7	49.4	52.0	52.5
Area 9,G	7.3	7.2	7.3	7.4
Metropolitan Areas	62.9	62.9	65.1	65.7
A	2.5	2.5	2.4	2.4
B	5.0	4.7	4.5	4.5
C	1.7	1.8	1.9	1.9
D	4.4	4.3	4.3	4.3
E	2.4	2.5	2.7	2.8
F	45.0	45.2	47.3	47.8
G	1.9	1.9	2.0	2.0
Western (B,C,G)	8.6	8.4	8.4	8.4
Eastern (A,D,E,F)	54.3	54.5	56.7	57.3
Non-Metropolitan Areas	24.3	24.6	24.5	24.5

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

6,708,000  
PEOPLE  
IN MICHIGAN  
IN 1952

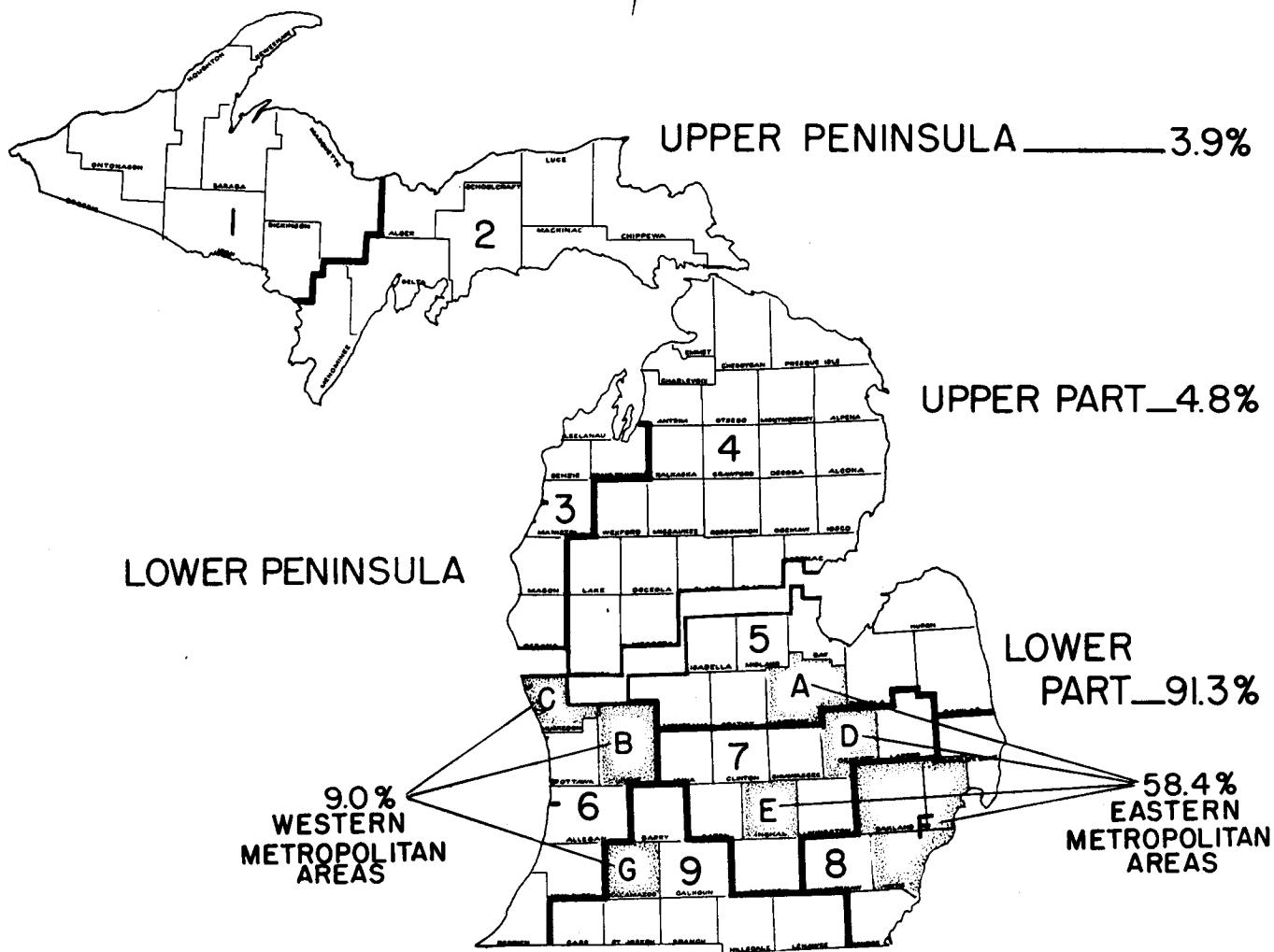
# WHERE WERE THEY LIVING?



Note: Letters and numbers on map indicate economic areas, metropolitan and non-metropolitan, respectively, as used by the United States Bureau of Census. Since the numbered (non-metropolitan) and lettered (metropolitan) areas are mutually exclusive, each area within a heavy black boundary includes both the numbered and lettered areas.

177,835  
BABIES BORN TO  
MICHIGAN RESIDENTS  
IN 1952

WHERE WERE  
THEIR PARENTS LIVING?



The proportionate distribution of births by areas within the state follows a pattern similar to that of the population.

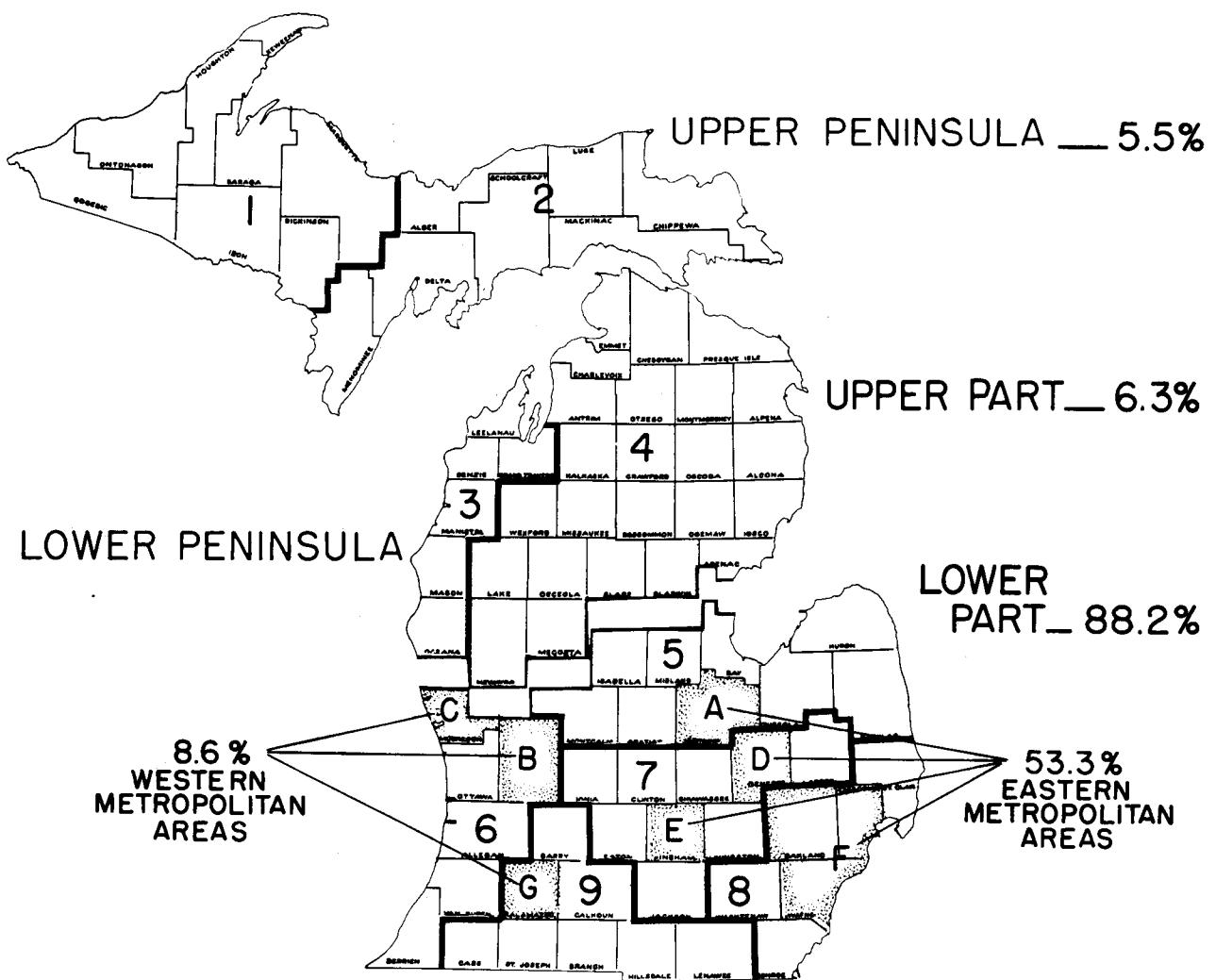
	Population	Births
Upper Peninsula	4.4	3.9
Lower Peninsula		
Upper Part	5.4	4.8
Lower Part	90.2	91.3

In both the Upper Peninsula and the upper part of the Lower Peninsula the percentage of births is slightly less than the percentage of population in these areas.

Note: Letters and numbers on map indicate economic areas, metropolitan and non-metropolitan, respectively, as used by the United States Bureau of Census. Since the numbered (non-metropolitan) and lettered (metropolitan) areas are mutually exclusive, each area within a heavy black boundary includes both the numbered and lettered areas.

**59,138  
PEOPLE RESIDING  
IN MICHIGAN DIED  
IN 1952**

WHERE WERE THEY LIVING?



The proportionate distribution of deaths by areas within the state follows a pattern similar to that of the population.

	Population	Deaths
Upper Peninsula	4.4	5.5
Lower Peninsula		
Upper Part	5.4	6.3
Lower Part	90.2	88.2

In both the Upper Peninsula and the upper part of the Lower Peninsula the percentage of deaths is slightly more than the percentage of the population in these areas.

Note: Letters and numbers on map indicate economic areas, metropolitan and non-metropolitan, respectively, as used by the United States Bureau of Census. Since the numbered (non-metropolitan) and lettered (metropolitan) areas are mutually exclusive, each area within a heavy black boundary includes both the numbered and lettered areas.

red

TABLE 12 - BIRTHS, DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, MARRIAGES, AND DIVORCES, AND RATES BY COUNTY: POPULATION MICHIGAN, 1952

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

AREA	Population Estimates July 1, 1952	OCCURRENCE				RESIDENCE Deaths						MARRIAGES		DIVORCES*	
		Live Births		Deaths		Live Births Number	Rate	All Ages		Infant Number Rate	Neonatal Number Rate	Maternal Number Rate	Rate Persons Married Number	Rate Persons Divorced Number	
		Number	Rate	Number	Rate			Number	Rate						
STATE	6,706,000	176,635	26.3	59,034	8.8	177,835	26.5	59,138	8.8	4,689	26.4	3,414	19.2	82	4.6
Alcona	5,540	85	15.3	49	8.8	112	20.2	63	11.4	-	0	-	0	40	14.4
Alger	9,160	153	16.7	57	6.2	235	25.4	87	9.5	5	21.5	3	12.9	63	13.8
Allegan	49,510	1,005	20.3	439	8.9	1,284	25.9	502	10.1	31	24.1	23	17.9	1	7.8
Alpena	22,400	751	33.5	214	9.6	596	26.6	203	9.1	17	28.5	11	18.5	190	17.0
Antrim	10,240	121	11.8	105	10.3	225	22.0	121	11.8	4	17.8	2	8.9	77	15.0
Arenac	9,890	185	18.7	101	10.2	217	21.9	107	10.8	6	27.6	5	23.0	-	0
Baraga	7,600	57	7.5	59	7.8	147	19.3	87	11.4	-	0	-	0	45	11.8
Barry	27,890	624	22.4	291	10.4	686	24.6	326	11.7	15	21.9	12	17.5	162	11.6
Bay	91,890	2,731	29.7	902	9.8	2,619	28.5	899	9.8	81	30.9	56	21.4	752	16.4
Benzie	8,100	197	24.3	74	9.1	151	18.6	78	9.6	2	13.2	1	6.6	-	0
Berrien	129,070	3,269	25.3	1,149	8.9	3,351	26.0	1,127	8.7	75	22.4	55	16.4	1,072	16.6
Branch	32,250	676	21.0	360	11.2	693	21.5	357	11.1	17	24.5	10	14.4	161	10.0
Calhoun	133,610	4,017	30.1	1,255	9.4	3,472	26.0	1,124	8.4	79	22.8	52	15.0	1,045	15.6
Cass	30,610	332	10.8	287	9.4	570	18.6	331	10.8	22	38.6	15	26.3	183	12.0
Charlevoix	12,670	193	15.2	153	12.1	290	22.9	175	13.8	6	20.7	4	13.8	105	16.6
Cheboygan	13,070	366	28.0	136	10.4	350	26.8	134	10.3	6	17.1	5	14.3	103	15.8
Chippewa	29,570	881	29.8	276	9.3	638	28.3	293	9.9	26	31.0	19	22.7	302	20.4
Clare	10,200	185	18.1	110	10.8	254	24.9	113	11.1	3	11.8	-	0	96	18.8
Clinton	31,860	667	20.9	274	8.6	899	28.2	297	9.3	23	25.6	16	17.8	167	10.5
Crawford	4,160	206	49.5	75	18.0	95	22.8	49	11.8	4	42.1	-	0	39	18.7
Delta	32,260	931	28.9	337	10.4	909	28.2	370	11.5	28	30.8	20	22.0	1	11.0
Dickinson	23,670	669	28.3	325	13.7	540	22.8	260	11.0	9	16.7	8	14.8	262	22.1
Eaton	42,060	563	13.4	319	7.6	1,124	26.7	424	10.1	28	24.9	19	16.9	245	11.7
Emmet	15,920	637	40.0	206	12.9	421	26.4	145	9.1	5	11.9	4	9.5	99	12.4
Genesee	288,670	8,612	29.8	2,284	7.9	8,143	28.2	2,305	8.0	215	26.4	173	21.2	-	0
Gladwin	9,500	193	20.3	86	9.1	244	25.7	89	9.4	7	28.7	4	16.4	75	15.8
Gogebic	26,600	733	27.6	335	12.6	534	20.1	308	11.6	12	22.5	10	18.7	228	17.1
Grand Traverse	29,820	1,097	36.6	588	19.7	759	25.5	266	8.9	19	25.0	17	22.4	308	20.7
Gratiot	34,290	782	22.8	364	10.6	960	28.0	381	11.1	21	21.9	14	14.6	259	15.1
Hillsdale	32,570	548	16.8	310	9.5	749	23.0	345	10.6	22	29.4	17	22.7	186	11.4
Houghton	38,580	873	22.6	554	14.4	759	19.7	551	14.3	26	34.3	16	21.1	245	12.7
Huron	33,590	952	28.3	315	9.4	948	28.2	346	10.3	26	27.4	17	17.9	255	15.2
Ingham	185,860	5,607	30.2	1,484	8.0	4,847	26.1	1,455	7.8	127	26.2	96	19.8	1,580	17.0
Ionia	37,940	465	12.3	315	8.3	908	23.9	397	10.5	30	33.0	22	24.2	236	12.2
Iosco	12,250	145	11.8	70	5.7	297	24.2	105	8.6	8	26.9	6	20.2	86	14.0
Iron	17,830	421	23.6	186	10.4	379	21.3	200	11.2	12	31.7	8	21.1	148	16.6
Isabella	29,580	865	29.2	225	7.6	790	26.7	251	8.5	25	31.6	19	24.1	245	16.6
Jackson	112,230	3,059	27.3	1,124	10.0	2,836	25.3	1,126	10.0	71	25.0	55	19.4	817	14.6
Kalamazoo	133,870	3,588	26.8	1,389	10.4	3,618	27.0	1,161	8.7	89	24.6	68	18.8	957	14.3
Kalkaska	4,510	14	3.1	20	4.4	88	19.5	49	10.9	5	56.8	3	34.1	28	12.4
Kent	303,600	8,970	29.5	2,969	9.8	8,583	28.3	2,800	9.2	176	20.5	134	15.6	2,486	16.4
Keweenaw	2,870	-	0	17	5.9	42	14.6	37	12.9	2	47.6	-	0	17	11.8
Lake	4,830	28	5.8	47	9.7	89	18.4	73	15.1	1	11.2	-	0	43	17.8
Lapeer	37,790	396	10.5	303	8.0	821	21.7	344	9.1	18	21.9	12	14.6	252	13.3
Leelanau	8,910	32	3.6	55	6.2	217	24.4	63	9.3	3	13.8	1	4.6	50	11.2
Lenawee	68,420	1,947	28.5	624	9.1	1,804	26.4	729	10.7	50	27.7	36	20.0	416	12.2
Livingston	28,140	465	16.5	294	10.4	654	23.2	316	11.2	17	26.0	14	21.4	176	12.5
Luce	7,460	171	22.9	194	26.0	141	18.9	58	7.8	7	49.6	6	42.6	52	13.9
Mackinac	9,030	62	6.9	54	6.0	244	27.0	93	10.3	10	41.0	5	20.5	80	17.7
Macomb	208,830	3,274	15.7	1,163	5.6	6,752	32.3	1,432	6.9	171	25.3	117	17.3	1,334	12.8
Manistee	18,200	348	19.1	193	10.6	416	22.9	214	11.8	7	16.8	3	7.2	-	0
Marquette	48,520	1,220	25.1	467	10.0	1,146	23.6	468	9.6	25	21.8	20	17.5	398	16.4
Mason	20,460	454	22.2	165	8.1	466	22.8	196	9.6	13	27.9	9	19.3	155	15.2
Mecosta	18,820	333	17.7	209	11.1	421	22.4	221	11.7	11	26.1	5	11.9	134	14.2
Menominee	25,060	648	25.9	266	10.6	589	23.5	257	10.3	10	17.0	-	0	210	16.8
Midland	38,390	1,180	30.7	198	5.2	1,200	31.3	210	5.5	21	17.5	16	13.3	284	14.8
Missaukee	7,370	18	2.4	35	4.7	166	22.5	74	10.0	4	24.1	3	18.1	64	17.4
Monroe	81,740	1,638	20.0	516	6.3	2,236	27.4	625	7.6	15	26.6	7	12.4	893	21.8
Montcalm	31,920	1,187	37.2	388	12.2	768	24.1	390	12.2	19	24.7	12	15.6	255	16.0
Montgomery	4,090	11	2.7	19	4.6	85	20.8	29	7.1	3	35.3	2	23.5	-	0
Muskegon	129,230	3,654	28.3	1,061	8.2	3,839	29.7	1,121	8.7	116	30.2	80	20.8	1,058	16.4
Newaygo	22,770	580	25.5	210	9.2	564	24.8	222	9.7	15	26.6	7	12.4	167	14.7
Oakland	451,050	7,120	15.8	2,693	6.0	14,130	31.3	3,112	7.0	367	26.0	273	19.3	2,630	11.7
Oceana	15,780	443	28.1	175	11.1	361	22.9	179	11.3	10	27.7	8	22.2	129	16.3
Ogemaw	9,390	321	34.2	106	11.3	218	23.2	117	12.5	7	32.1	6	27.5	82	17.5
Ontonagon	9,670	129	13.3	83	8.6	193	20.0	111	11.5	2	10.4	1	5.2	-	0
Oscoda	13,510	291	21.5	175	13.0	306	22.6	180	13.3	13	42.5	7	22.9	-	0
Otsego	3,030	28	9.2	23	7.6	67	22.1	28	9.2	2	29.9	-	0	22	14.5
Ottawa	6,570	178	27.1	85	12.9	149	22.7	69	10.5	2	13.4	-	0	47	14.3
Ottawa	79,470	2,100	26.4	572	7.2	2,130	26.8	635	8.0	35	16.4	26	12.2	546	13.7
Presque Isle	12,150	337	27.7	88	7.2	383	31.5	109	9.0	14	36.6	13	33.9	-	0
Roscommon	6,440	41	6.4	49	7.6	131	20.3	59	9.2	3	22.9	3	22.9	42	13.0
Saginaw	159,210	4,699	29.5	1,502	9.4	4,551	28.6	1,411	8.9	135	29.7	94	20.7	1,152	14.5
Sanilac	31,430	851	27.1	298	9.5	740	23.5	343</							

TABLE 13 - BIRTHS, DEATHS AND RESIDENCE: BIRTHS BY PLACE OF OCCURRENCE AND RESIDENCE; DEATHS BY PLACE OF OCCURRENCE AND RESIDENCE; DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: MICHIGAN, 1952

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

AREA	OCCURRENCE	Live Births												Deaths														
		RESIDENCE						RURAL						CITY														
		Number Born In			Plural Births			Attendant			Place of Delivery			Sex			Color			All Ages			Infant			Neonatal		
STATE	Population Estimates July 1, 1952	Live Births	Deaths	Number	Rate	Live Births	Deaths	Number	Rate	Live Births	Attendant	Physician	Midwife	Hosp.	Homes	Other	Male	Female	White	Non-White	Infant	Number	Rate	Neonatal	Number	Rate		
Alcona	5,540	85	15.3	49	8.8	112	20.2	4	-	112	-	102	10	-	48	64	112	-	63	11.4	-	0	-	0	-	0		
Alger rural	5,140	4	0.8	23	4.5	113	22.0	4	-	111	2	110	3	-	57	63	113	-	47	9.1	-	0	-	0	-	0		
Algonquin	4,020	149	37.1	34	8.5	120	29.9	4	-	120	-	96	1	953	15	2	487	483	959	11	15	4	2	40	10.0	4	33.3	
Allison rural	5,530	103	2.7	260	6.9	970	25.6	24	-	122	122	120	-	-	-	-	-	68	13.7	-	20	20.6	14	14.4	1	10.3		
Allison	4,970	517	104.0	82	16.5	112	24.5	2	-	116	-	114	2	-	53	63	119	3	2	1	36	6.7	2	17.2	1	32.6		
Allegan	4,150	3	0.5	21	5.1	116	28.0	2	-	116	-	114	1	-	45	31	76	-	2	1	2	40	14.0	4	52.6	-	0	
Otsego	2,860	363	133.9	76	26.6	26	26	2	-	246	-	131	115	-	131	115	245	1	1	2	1	69.7	7.5	3	12.2	2	8.1	
Plainwell	9,150	1	0.1	37	4.0	1,040	26.9	6	-	350	-	348	2	-	161	189	350	7	9	14	14	40.0	10.1	1	25.7	-	0	
Alpena rural	13,250	750	56.6	177	13.4	350	26.4	7	-	350	2	119	106	-	119	106	222	3	6	3	121	11.8	4	17.6	2	8.9		
Alpena	10,240	121	11.8	105	10.3	225	22.0	7	-	223	2	207	18	-	216	1	111	106	216	1	2	9	107	10.0	6	27.6	5	23.0
Antim	8,090	185	18.7	101	10.2	217	21.9	7	-	216	1	145	2	-	133	14	216	1	5	87	11.4	-	0	-	0	-	0	
Barraga	7,600	57	7.5	57	5.9	147	19.3	7	-	522	24.4	23	-	516	6	-	256	286	521	1	12	8	25	11.5	12	23.0	1	19.2
Barry rural	21,390	5	0.2	119	5.6	164	25.2	7	-	164	-	164	1	-	972	32	67	77	164	1	1	15	25.4	7.5	16	15.9	3	18.3
Rastings	6,500	619	95.2	172	26.5	164	29.4	7	-	1,001	3	1,001	3	-	524	490	1,003	1	15	16	16	11.3	64	42.3	11	11.0	-	0
Bay rural	34,080	36	1.1	187	6.5	1,004	29.5	19	-	1,513	-	1,481	31	1	772	1	741	1	19	13	26	11.3	1	29.1	1	6.6		
Bay City	3,360	694	49.5	702	12.9	151	27.8	29	-	102	1	101	1	-	58	44	102	-	1	29	1	9.8	1	9.6	2	19.1		
Essenville	197	24.3	74	9.1	151	18.6	4	-	151	-	138	12	1	68	63	150	1	3	2	78	9.0	2	13.2	1	6.6			
Benzie	8,100	197	24.3	74	9.1	151	18.6	4	-	1,826	3	1,788	2	-	961	898	1,675	1	25	8	25	8.0	3	39.9	1	13.5		
Berrien rural	75,930	469	6.2	572	7.5	1,849	24.4	32	-	621	2	618	4	-	321	302	506	1	23	8	23	8.0	1	40.1	1	16.1		
Benton Harbor	21,220	1,207	56.9	259	12.2	623	29.4	6	-	462	-	461	1	-	271	1	139	132	228	1	1	7	106	9.3	1	25.8	7	0
Niles	14,750	963	66.6	159	10.6	462	31.3	10	-	271	-	271	-	-	146	146	271	1	13	3	39	6.7	1	4.7	1	0		
St. Joseph	11,350	609	53.7	141	12.2	271	23.9	2	-	146	-	146	1	-	218	250	468	1	0	2	2	10.9	9	19.2	1	4.5		
Buchanan	5,820	1	0.2	18	3.1	146	25.1	2	-	467	1	462	6	-	218	250	468	1	0	2	2	10.9	9	19.2	1	0		
Brunch rural	23,030	6	0.3	165	7.2	466	20.3	6	-	225	-	223	2	-	107	118	225	1	2	5	107	11.6	6	35.6	6	26.7		
Coldwater	9,220	667	72.3	163	17.7	225	24.4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
Colquitt State Home	6 Training School	3	-	32	-	1,531	24.7	31	-	1,531	-	1,522	8	1	769	762	1,501	30	20	20	433	7.0	32	20.9	1	6.5		
Calhoun rural	61,930	8	0.1	333	5.4	1,531	24.7	31	-	1,526	1	1,525	1	-	132	144	219	57	11	6	102	8.9	3	10.9	2	7.2		
Albion	11,490	496	43.2	115	10.0	276	24.0	1	-	1,501	27	1,496	4	-	754	754	1,322	179	53	2	67	10.7	1	6.1	1	25.7		
Battle Creek	53,900	2,251	60.3	737	13.7	1,501	27.8	22	-	1,501	1	1,494	4	-	70	94	163	1	26	28	26	9.7	1	26.6	1	12.9		
Marshall	6,290	262	41.7	70	11.1	164	26.8	1	-	164	-	164	1	-	180	209	361	1	26	28	229	9.8	1	25.7	7	18.0		
Cass rural	23,410	25	4.1	171	7.3	3,89	16.6	3	-	388	1	388	1	-	177	177	361	1	24	7	1	67	10.7	1	6.1	1	25.7	
Dowagiac	7,200	307	25.1	116	16.1	181	25.1	3	-	181	-	181	1	-	157	156	295	1	24	7	1	67	12.0	1	12.9	1	0	
Charlevoix rural	7,280	20	2.7	90	11.0	155	21.3	2	-	155	-	145	10	-	94	71	151	4	2	2	1	44	12.0	1	12.9	1	0	
Boyne City	2,850	8	2.8	28	9.1	66	23.9	2	-	66	-	63	5	-	35	33	68	1	2	2	1	44	12.0	1	12.9	1	0	
Charlevoix	2,540	165	65.0	47	18.5	67	26.4	2	-	67	-	67	5	-	30	37	60	1	2	2	1	44	12.0	1	12.9	1	0	
Cheboygan rural	5,460	48	6.3	61	8.0	194	25.5	6	-	193	1	143	1	-	100	94	193	1	6	7	3	73	9.6	4	20.6	3	15.5	
Chippewa rural	11,370	11	1.0	49	4.3	278	24.5	7	-	270	8	266	17	-	126	127	274	4	3	9	106	9.3	1	39.6	6	26.6		
Sault Ste. Marie	16,200	870	47.8	227	12.5	540	30.8	17	-	557	3	556	14	-	292	292	355	4	12	7	1	67	12.0	1	19.6	1	0	
Clare	10,200	165	18.1	110	10.8	254	24.9	8	-	254	-	227	27	-	133	121	233	1	1	2	1	33	11.1	3	11.8	1	0	
Clinton rural	10,800	9	0.9	136	5.1	772	27.6	14	-	771	1	765	6	-	119	110	271	1	5	7	1	33	11.0	3	15.7	1	0	
Iron Mountain	3,100	191	61.6	39	12.6	60	19.4	-	-	60	-	60	-	-	30	30	60	1	1	1	1	36	11.6	1	16.7	1	0	
Norway	4,070	-	0	12	2.5	170	34.9	4	-	170	-	170	1	-	94	1	91	1	1	84	1	22.1	2	21.1	1	0		
Kingsford	26,720	17	0.6	181	4.9	713	26.7	10	-	247	14	245	16	-	135	126	254	7	6	146	11.6	12	30.7	1	14.0			
Escanaba	14,900	91	61.1	242	16.2	421	45.2	12	-	214	14	218	17	-	121	125	235	1	1	4	11	12.0	1	22.9	1	0		
Charlotte	6,990	322	46.8	108	15.7	233	44.2	13	-	149	-	147	17	-	74	75	149	1	3	87	12.6	6	40.3	2	13.4			
Grand Ledge	4,970	6	1.2	15	3.1	170	31.2	10	-	170	3	209	4	-	100	100	178	1	4	2	1	50	12.1	1	22.5	1	0	
Dickinson rural	6,530	3	0.5	44	6.7	119	18.2	10	-	119	-	117	1	-	84	84	119	1	2	2	1	44	12.0	1	23.8	1	0	
Emmet rural	4,755	191	51.8	230	25.1	191	20.8	6	-	230	-	220	6	-	110	110	227	3	7	3	3	85	8.5	2	8.7	1	0	
Petoskey	6,260</																											

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLITERACY, AND FETAL DEATHS; DEATHS UNDER 1 YEAR, DEATHS UNDERR 4 WEEKS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (continued)

AREA	OCCURRENCE										RESIDENCE																
	Live Births					Deaths					Live Births					Deaths											
	Population Estimates July 1, 1952	Live Births Number	Deaths Number	Rate	Rate	Number	Rate	Plural Births	Attendant Physician	Midwife	Place of Delivery	Home	Other	Sex	Male	Female	Color	White	Non-White	Illegitimacy	Fetal Deaths	All Ages Number	Infant Number	Neonatal Number	Maternal Number	Rate	
Grand Traverse rural	12,230	49	4.0	93	7.6	323	26.4	6	-	323	8	-	167	156	321	2	7	7	7	1	97	7.9	4	12.4	3	9.3	
Traverse City State Hospital	17,590	1,041	59.2	224	12.7	436	24.8	16	-	436	3	-	233	203	435	1	1	1	1	1	169	9.6	15	34.4	14	32.1	
Gratiot rural	22,340	7	0.7	136	6.1	663	29.7	14	-	662	12	-	358	305	662	1	1	13	15	253	11.3	17	25.6	12	18.1		
Ainsa	8,520	765	89.8	206	24.2	205	24.1	2	-	205	1	-	99	106	204	1	1	1	1	38	11.1	1	10.9	1	10.9		
St. Louis	3,430	1	0.3	22	6.4	561	23.1	10	-	578	3	-	285	296	581	1	1	6	4	259	10.3	16	27.5	13	22.4		
Hillsdale rural	25,130	29	1.2	173	6.9	160	22.6	2	-	168	1	-	91	77	167	1	1	4	1	86	11.6	6	35.7	4	23.8		
Hillside rural	7,440	519	69.8	137	18.4	468	17.6	12	-	465	3	-	236	232	468	1	1	8	11	374	14.1	1	21.7	7	15.0		
Houghton rural	26,590	5	0.2	222	8.3	108	28.3	2	-	108	-	-	51	57	108	1	1	2	1	42	11.0	3	27.8	1	9.3		
Laurium	3,620	359	109.7	120	36.5	78	2	-	78	-	-	37	41	78	1	1	2	1	56	18.1	3	38.5	1	12.6			
Hancock	5,060	529	104.1	192	37.8	106	20.7	4	-	105	-	-	42	63	106	1	1	2	1	79	15.6	1	26.7	6	6.7		
Huron rural	30,560	538	117.6	251	6.2	659	28.1	34	-	656	1	-	441	418	859	1	1	10	13	316	10.3	23	26.8	14	16.3		
Bad Axe	3,030	414	136.6	64	21.1	69	29.4	2	-	69	-	-	47	42	89	1	1	4	1	30	9.9	3	33.7	0	0		
Ingham rural	61,780	58	0.9	306	5.0	2,031	32.9	42	-	2,031	1	-	1,043	999	2,013	19	1	16	22	456	7.4	50	24.6	33	16.2		
Lansing	98,470	5,76	54.6	1,094	11.1	2,453	24.9	66	-	2,451	2	-	1,305	1,365	1,338	115	1	68	40	875	8.9	64	26.1	51	20.6		
East Lansing	21,890	-	0	0	1.4	266	12.2	3	-	266	-	-	132	134	264	2	1	1	1	78	3.6	10	37.6	0	0		
Mason	3,720	173	46.5	53	14.2	96	25.8	2	-	96	-	-	52	44	96	1	1	4	2	46	12.4	3	31.3	2	20.8		
Ionia rural	24,320	12	0.5	127	5.2	553	22.7	6	-	552	1	-	541	12	262	1	1	10	14	222	9.1	21	30.7	0	0		
Balding	4,400	564	56.9	114	17.8	177	27.7	2	-	104	-	-	52	52	104	1	1	6	57	13.0	2	19.2	0	0			
Ionia	6,400	-	1	17	6.4	74	-	-	-	74	-	-	31	43	74	1	1	2	10	105	8.6	6	26.9	6	20.2		
State Reformatory	2,820	37	13.1	18	6.4	74	26.2	-	-	293	4	-	152	145	296	1	1	10	4	105	10.4	6	21.1	0	0		
Ionia State Hospital	12,250	145	11.6	70	5.7	297	24.2	2	-	295	-	-	276	9	284	1	1	1	1	57	13.9	4	22.6	2	21.3		
Portland	4,090	25	1.4	24	5.7	94	23.0	3	-	94	-	-	46	46	94	1	1	1	1	159	8.9	13	27.4	7	14.7		
Ioseco	13,740	416	30.3	162	11.8	285	20.7	6	-	249	-	-	235	235	462	13	1	10	11	92	7.9	12	38.1	0	0		
Iron rural	17,890	25	1.4	26	5.7	474	1	-	-	314	1	-	163	152	313	2	1	4	6	11	11.9	1	28.4	35	23.6		
Isabella rural	11,700	840	71.8	123	10.5	315	26.9	2	-	-	-	-	31	43	74	1	1	2	1	32	11.9	21	34.8	0	0		
Mt. Pleasant State Home and Training School	58,830	102	1.7	335	5.7	1,347	23.0	30	-	1,347	4	-	677	678	1,354	1	1	25	15	493	8.4	49	10.9	47	24.0		
Jackson rural	53,400	2,957	55.4	760	14.2	1,474	27.7	28	-	1,474	5	-	761	720	1,330	101	1	36	21	32	534	7.3	42	25.4	39	19.9	
Jackson	73,270	156	2.2	323	4.4	1,461	26.0	32	-	1,461	13	-	996	996	1,949	13	1	21	32	627	10.3	62	32.6	0	0		
Kalamazoo rural	60,600	3,426	56.5	625	13.6	1,656	27.3	35	-	1,655	1	-	847	847	809	115	1	62	36	627	10.3	62	32.6	0	0		
Kalamazoo State Hosp.	1,769	270	9	246	37.7	71	10.9	2	-	71	-	-	37	34	71	1	1	2	3	37	15.1	1	47.6	0	0		
Pine Crest Sanitarium	4,510	14	3.1	11	20	4	19.5	4	-	87	-	-	17	25	42	1	1	4	3	43	43	10	28.2	0	0		
Kent rural	110,020	126	1.1	664	6.0	2,268	20.6	62	-	2,268	1	-	1,663	1,005	2,264	4	1	33	44	816	7.4	62	27.3	44	19.4		
Grand Rapids	187,050	7,975	37.8	1,940	10.4	6,241	33.4	34	-	6,206	3	-	3,185	3,059	5,920	324	1	15	21	441	10.6	31	30.1	0	0		
Soldiers' Home	2,870	1	0.2	37	5.7	42	14.6	2	-	42	-	-	60	60	504	16	1	1	1	49	11.5	2	33.3	2	33.3		
E. Grand Rapids	1,027	52.4	0	17	5.9	88	9.7	12	-	88	1	-	65	65	83	1	1	1	1	51	17.5	2	19.2	7	13.5		
Keweenaw	4,250	433	101.9	28	5.8	688	9.5	12	-	688	1	-	652	37	347	1	1	9	9	257	10.9	10	19.2	7	13.5		
Lake	31,330	298	9.5	195	9.2	689	22.0	12	-	132	6	-	62	70	132	6	1	2	2	59	12.6	2	15.2	2	15.2		
Lapeer rural	6,480	96	14.8	59	9.1	1,32	20.4	8	-	1,32	-	-	66	68	134	1	1	2	2	59	12.6	7	52.2	0	0		
Lapeer State Home and Training School	4,610	2	3.6	55	6.2	217	24.4	6	-	216	1	-	116	101	210	7	1	1	1	21	30.1	8	33	1	4.6		
Leeelanau	8,910	187	4.5	295	6.8	1,029	24.7	15	-	1,028	1	-	512	517	1,029	1	1	15	18	186	9.6	16	26.6	12	20.1		
Lenawee rural	19,600	1,027	52.4	195	9.9	576	30.4	6	-	576	18	-	306	301	571	5	1	1	1	68	11.5	2	33.3	0	0		
Adrian	1,110	433	101.9	119	20.9	119	28.0	11	-	119	-	-	66	51	119	1	1	1	1	49	11.5	2	33.3	0	0		
Tecumseh	2,920	300	102.7	55	18.9	60	20.5	2	-	60	-	-	33	27	59	1	1	1	1	51	17.5	2	19.2	7	13.5		
Hudson	23,530	65	2.3	206	6.7	520	22.1	16	-	520	-	-	286	234	519	1	1	9	9	257	10.9	10	19.2	7	13.5		
Livingston rural	4,890	168	65.4	143	14.0	71	27.6	2	-	70	1	-	32	39	70	1	1	7	1	29	11.3	5	70.4	1	7.6		
Newberry	2,570	42	6.9	39	6.4	1,112	36.4	2	-	1,112	-	-	94	16	110	2	1	1	1	65	10.6	5	37.9	1	4.6		
Mackinc rural	6,110	20	6.8	15	5.1	2,169	19.6	33	-	2,169	-	-	2,128	41	1,093	1,024	2	4	23	60	698	6.3	77	35.7	1	4.6	
St. Ignace	110,680	341	3.1	556	5.0	2,169	19.6	33	-	2,169	-	-	1,151	20	1,067	1,057	114	36	229	15	1,067	11.5	27.3	17	14.5		
Macomb rural	19,940	2,908	145.8	410	20.6	1,171	58.7	28	-	1,171	-	-	464	1	465	445	-	4	462	420	902	6	56	6.4	0		
Centerline	9,060	2	0.2	13	1.4	465	51.3	8	-	465	-	-	901	1	897	4	1	1	1	533	521	1,038	16	10	11.1	-	0
East Detroit	24,360	5	0.2	41	1.7	902	36.7	16	-	902	-	-	1,054	-	1,054	3	1	1	1	43	42	81	4	2	13.7	17	17.1
Roseville	18,370	3	0.2	43	2.3	1,054	56.5	24	-	1,054	-	-	83	2	83	2	1										

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLITERACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 4 WEEKS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (continued)

OCCURRENCE	AREA	RESIDENCE											
		Live Births				Live Births				Deaths			
		Live Births Number	Deaths Number	Rate	Rate	Number	Plural Births in Twins/Triplets	Attendant Physician/Midwife	Place of Delivery Hosp./Home/Other	Sex Male/Female	Color White/Non-White	Illegitimacy	Fatal Deaths
Population Estimates July 1, 1952													
Marquette rural	15,150	9,110	6.1	329	25.0	5	-	317	-	165	152	317	-
Ishpeming	354	387	1.0	454	25.8	8	-	229	25.0	118	111	2	2
Marquette	17,610	821	46.6	240	13.6	5	-	453	1	226	228	453	1
Negaunee	6,610	45	6.8	146	22.1	2	-	146	-	70	76	146	-
Northern Mich. Prison	-	1	-	227	2	-	-	217	12	126	101	227	-
Mason Rural	10,950	12	1.1	48	4.4	10	-	237	-	111	126	237	-
Ludington	9,510	442	46.6	117	12.3	237	24.9	229	20.9	141	134	273	2
Midland rural	12,120	66	5.4	146	12.7	4	-	275	32	146	134	273	7
Midota rural	267	39	6.6	63	9.4	4	-	275	-	73	73	146	4
Big Raids	700	240	13.6	146	21.6	-	-	146	146	146	146	146	-
Menominee rural	13,910	101	7.3	283	20.3	5	-	283	-	143	140	277	6
Menominee	547	49.1	1.1	191	17.1	306	27.4	306	1	160	146	306	6
Midland rural	11,150	12	1.2	64	2.8	14	-	703	2	694	11	375	-
Midland	15,720	1,160	1.6	134	1.3	495	1.3	495	3	124	124	705	-
Midland	7,370	16	2.4	35	4.7	6	-	166	148	16	77	69	162
Misaukee	57,600	18	0.3	252	4.4	3	-	1,482	1	1,465	18	764	6
Monroe rural	23,410	1,620	6.9	738	31.5	8	-	737	1	736	2	350	24
Milan (part)	730	-	-	6	8.2	15	20.5	15	-	5	10	12	24
Montcalm rural	29,490	703	28.0	311	12.4	6	-	602	14	339	277	614	2
Greenville	6,930	488	69.8	156	24.6	20	-	150	12	72	60	152	-
Montmorenci	4,090	11	2.7	19	4.9	85	-	85	11	43	42	85	-
Mustegon rural	57,610	30	0.5	280	4.9	65	20.0	1,646	1	1,616	30	650	34
Mustegon	51,490	3,610	70.3	727	14.1	1,483	25.7	32	3	1,546	9	797	1,613
Mustegon Hts.	20,130	6	0.3	635	31.5	13	3	1,554	3	1,546	9	795	72
Newaygo	19,490	92	4.7	152	7.8	451	23.1	448	3	629	6	1,442	115
Fremont	3,286	488	146.9	58	17.8	113	24.3	113	-	429	22	328	231
Oakland rural	188,760	173	0.9	959	5.1	4,587	24.3	61	-	112	1	57	56
Birmingham	188,090	1	0.1	64	3.2	897	49.6	20	-	4,410	174	3,296	2,191
Berndale	34,050	5,790	69.5	955	11.5	2,264	27.2	50	-	897	1	481	416
Pontiac	83,260	1	0.2	26	5.3	174	35.4	4	-	1,108	5	552	455
Rochester	4,920	1	0.2	194	2.3	231	38.1	14	-	643	1	1,093	1,066
Pontiac State Hospital	6	-	0	38	1.6	643	31.5	12	-	643	-	339	304
Berkeley	20,660	6,000	1	2	14	2,234	29	1	-	1,234	29	1,093	1,066
Clauson	3,890	511	9.2	206	3.7	2,555	46.2	58	6	54	1	33	21
Pleasant Ridge	55,250	511	9.2	63	3.0	871	41.7	18	-	2,547	7	1,274	1,281
Royal Oak	20,880	178	8.5	63	3.0	87	29.2	87	-	862	9	465	406
Hazel Park	2,960	110	36.9	15	4.1	138	24.5	4	-	86	1	137	1
Huntington Woods	5,640	2	0.2	270	0	2	7.4	-	-	137	1	62	68
Northville (part)	6,410	4	0.6	12	1.9	519	81.0	20	-	519	2	2	2
Oak Park	15,780	443	28.1	175	11.1	361	22.9	10	-	355	6	200	161
Oceana	9,390	321	34.2	106	11.3	218	23.2	216	-	299	9	156	92
Ogemaw	9,670	129	13.3	83	6.6	193	20.0	3	-	191	2	107	103
Ontonagon	13,510	291	21.5	175	7.3	306	22.6	8	-	297	9	147	139
Oscoda	3,030	28	9.2	23	7.6	67	67	2	-	40	27	32	35
Otsego rural <sup>1</sup>	6,570	178	27.1	73	11.1	149	22.7	4	-	143	6	61	68
Northern Michigan	3,300	146	44.8	42	12.7	131	20.3	4	-	126	3	72	59
TB Sanatorium	48,960	-	26	0.5	12	1,363	27.8	13	-	1,361	2	1,337	23
Ottawa rural	10,210	642	62.9	134	13.1	236	23.1	12	-	2,630	1	2,630	1
Grand Haven	16,950	495	55.8	186	11.0	424	25.0	8	-	423	1	220	424
Zelienople	3,350	487	145.4	91	9.3	107	31.9	-	-	105	2	49	56
Presque Isle rural	8,210	18	2.2	32	3.9	228	1	117	-	117	1	27	228
Rogers City	3,940	319	81.0	56	14.2	154	39.1	1	-	154	1	53	118
Roscommon	6,440	41	6.4	49	7.6	130	10.3	4	-	130	1	72	51
Saginaw rural	63,140	43	4.7	400	6.3	1,065	30.2	40	-	1,366	36	978	927
Saginaw	96,070	4,656	48.5	1,102	11.5	2,646	27.7	30	3	1,361	231	1,354	1
Sandusky	31,430	881	27.1	298	9.5	740	23.5	20	-	740	47	1,387	1,279
Schoolcraft rural	16,950	2	0.5	154	5.4	150	33.9	-	-	117	2	74	119
Manistique	1,507	1,527	42.2	507	14.0	929	25.7	18	-	117	2	448	894
Shiawassee rural	21,780	298	60.2	101	20.4	118	23.8	6	-	118	1	57	127
Durand	2,630	10	3.8	23	6.7	730	26.2	8	-	726	4	375	357
Owosoo	1,139	68.3	12.3	491	29.4	4	-	72	1	72	1	34	73
St. Clair rural	43,140	65	1.5	289	6.7	1,193	27.7	30	3	1,163	30	1,163	1
Marine City	4,420	4,420	2	0.5	150	33.9	-	-	-	150	1	51	113
Port Huron	36,160	1,527	42.2	507	14.0	929	25.7	18	-	116	1	415	115
St. Clair	4,180	576	137.6	36	9.1	127	30.4	-	-	117	1	60	144
Algonac	2,630	10	3.8	23	6.7	72	27.4	2	-	72	1	36	137
Marysville	2,510	-	0	14	5.6	60	23.9	2	-	60	1	22	86
St. Joseph rural	21,530	37	1.7	146	6.9	485	22.5	16	-	469	16	2	3
Three Rivers	8,170	606	62.2	111	16.6	211	11.1	-	-	211	1	103	109
St. Joseph	21,530	37	1.7	146	6.9	485	22.5	16	-	469	16	2	3
Three Rivers	7,060	439	62.2	117	16.6	161	-	-	-	161	1	75	90

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE; BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLITERACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 4 WEEKS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (Continued)

Area	Population Estimates July 1, 1952	Residence											
		Occurrence			Live Births			Live Births			Deaths		
		Number	Rate	Deaths	Number	Rate	Plural Births	Number	Rate	Place of Delivery	Sex	Color	Fatal Deaths
Tuscola rural	33,720	340	10.1	282	8.4	742	22.0	15	-	739	3	396	346
Cato	244	67.6	66	18.3	51	20.5	-	74	-	74	3	36	38
Caro State Hospital	5	1.9	12	4.5	342	9.5	59	55	4	55	30	53	6
Vassar	319	8.5	342	9.5	616	22.6	13	015	1	427	389	779	317
Van Buren rural	30,150	396	65.4	127	20.9	131	21.5	-	130	1	77	54	118
South Haven	6,090	167	2.5	242	3.6	1,809	27.3	32	1,809	12	1	926	683
Washtenaw rural	66,320	1,495	30.0	381	7.7	1,086	21.6	17	1,085	7	1	1,078	544
Ann Arbor	49,750	19,280	2,290	118.6	244	12.7	652	33.6	17	-	649	3	335
Ypsilanti	1,281	4	-	277	-	663	-	-	652	-	-	520	132
U. of M. Hospital	-	-	-	40	15.2	71	27.0	-	71	-	-	33	38
Ipsilanti State Hospital	-	-	-	5	3.8	54	25.4	2	54	-	-	71	-
Chesterfield	2,630	-	1	0.5	8	3.451	2.9	3,451	19.9	70	-	22	32
Milan (part)	2,130	147	0.8	499	2.9	541	2.5	10	-	3,410	40	1	1,784
Wayne rural	19,090	24	1.3	497	2.5	541	26.3	-	539	2	27	514	259
Ecorse	-	-	-	24	1.3	1,686	-	-	-	-	-	340	282
Eloise Infirmary	-	-	-	1,133	342	7.6	938	20.8	16	-	925	13	-
Hamtramck	45,060	21,640	469	21.7	99	4.6	608	28.1	6	-	595	13	-
River Rouge	1,927,000	56,957	29.6	15,973	8.3	46,867	24.3	900	26	46,074	76	25	24,257
Detroit	6,342,133.2	910	19.1	876	18.4	20	-	676	-	870	6	-	435
Highland Park	47,600	26	3.5	24	3.3	458	62.1	4	-	456	2	-	234
Plymouth	7,350	2,909	72.6	465	11.6	1,790	44.8	27	1,790	-	-	989	1,789
Wyandotte	39,970	101,320	1,459	14.4	369	3.6	3,406	33.6	64	1,3,395	9	2	1,782
Dearborn	9,670	13,240	758	78.4	101	10.4	97	10.0	-	97	-	-	62
Grosse Pt. Farms	-	-	0	59	4.5	125	9.4	-	125	-	-	69	35
Grosse Pt. Park	-	-	-	153	23.1	337	50.9	-	336	1	-	179	158
Grosse Pt. Woods	6,620	925	139.7	13,060	22.6	4	-	-	-	336	1	-	132
Inkster	10,950	-	0	22	2.0	248	-	-	247	1	-	116	248
Lincoln Park	16,330	112	6.1	35	1.9	1,09	60.5	21	-	1,109	1	-	568
McLaindale	32,080	4	0.1	67	2.1	1,460	45.5	16	-	1,457	3	-	740
Northville (part)	10,180	-	0	18	1.8	315	30.9	4	-	315	-	-	165
Trenton	3,060	302	98.7	70	22.9	112	36.6	2	112	-	-	43	69
Westford rural	6,620	1,223	195.3	93	14.0	214	32.3	2	-	214	-	-	103
Wayne	11,200	161	16.2	44	3.9	1,026	91.8	10	-	1,026	2	-	529
Allen Park	13,750	-	0	501	36.4	807	50.7	14	-	403	1	-	404
Garden City	9,930	960	96.7	60	6.0	473	41.6	11	-	472	1	-	247
Livonia	17,570	4	0.2	104	5.9	191	10.9	5	-	191	4	-	99
Northville State Hosp.	-	-	12	1.5	57	7.1	183	22.7	-	181	2	-	162
Cadillac	10,370	627	60.5	160	15.4	250	24.1	9	-	249	1	-	122

NOTE: The two cities Milan, and Northville listed in this table are each located in two counties. The total population estimates are Milan 2,860, and Northville 3,330.

TABLE 14 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM  
MICHIGAN, 1952

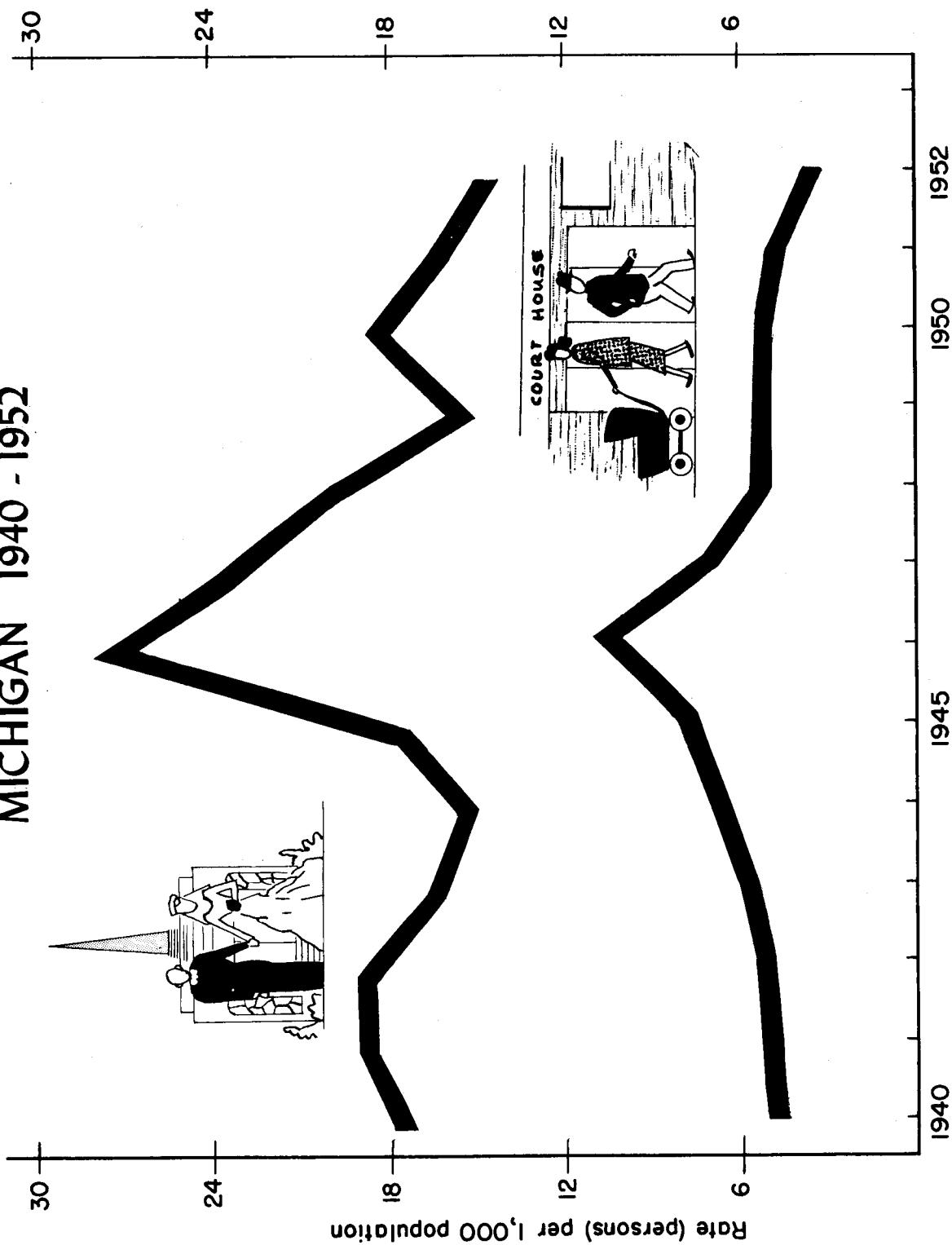
AGE (YEARS)	B R I D E						G R O O M					
	Total	Order of Marriage					Total	Order of Marriage				
		First	Second	Third	Fourth or More	Not Stated		First	Second	Third	Fourth or More	Not Stated
TOTAL	50,487	38,811	9,342	2,021	288	25	50,487	39,594	8,907	1,718	238	30
15 - 19	17,069	16,817	236	4	-	12	6,131	6,102	21	-	-	8
20 - 24	17,076	15,679	1,325	62	4	6	20,265	19,602	631	16	6	10
25 - 29	5,875	3,847	1,771	243	12	2	10,389	8,713	1,552	111	9	4
30 - 34	3,231	1,352	1,534	305	39	1	4,399	2,828	1,358	191	19	3
35 - 39	2,236	579	1,295	326	36	-	2,630	1,172	1,199	234	24	1
40 - 44	1,525	251	940	299	35	-	1,723	523	957	221	22	-
45 - 49	1,181	138	748	250	45	-	1,374	272	850	221	31	-
50 - 54	808	63	517	189	39	-	1,056	170	660	201	25	-
55 - 59	619	41	409	139	28	2	918	107	605	177	29	-
60 - 64	446	24	301	94	26	1	699	66	468	138	24	3
65 - 69	264	17	165	67	14	1	513	27	341	117	27	1
70 - 74	98	-	65	27	6	-	233	9	150	60	14	-
75 & Over	58	3	35	16	4	-	155	3	113	31	8	-
Not Stated	1	-	1	-	-	-	2	-	2	-	-	-

TABLE 15 - MARRIAGES BY RESIDENCE STATUS OF BRIDE AND GROOM  
MICHIGAN, 1952

RESIDENCE STATUS	NUMBER	PERCENT
TOTAL	50,487	100
Both bride and groom resident of State	46,397	91.9
Bride resident, groom nonresident of State	2,313	4.6
Groom resident, bride nonresident of State	609	1.2
Both bride and groom nonresident of State	1,163	2.3
Residence status of either or both not stated	5	0.0

# MARRIAGES AND DIVORCES

## MICHIGAN 1940 - 1952



The marked fluctuations of marriages and divorces since 1940 reflect war conditions. Following the postwar demobilization, 1946 was the all-time high year during the past decade for both marriages and divorces. Since 1946, marriages have shown minor fluctuations while divorces have followed a consistently declining pattern; in each instance the 1952 rate was the lowest annual rate since 1940.

TABLE 16 - DIVORCES BY CASES CONTESTED, LIBELLANT, NUMBER OF CHILDREN: ANNULMENTS: BY COUNTY OF DECREE  
MICHIGAN, 1952

AREA	Divorces & Annulments	Annulments	Total	DIVORCES								Children								
				Cases Contested		Granted to Husband		Wife		0		1		2		3		4	5 or More	Not Stated
STATE	14,925	133	14,792	3,416		3,930		10,862		8,711	2,964	1,814	791	320	188	4				
Alcona	4	-	4	-		1		3		2	-	-	-	1	1					
Alger																				
Allegan	65	1	64	23		18		46		31	11	12	6	2	2	2				
Alpena	18	-	18	2		1		17		7	2	4	2	3						
Antrim	20	-	20	3		5		15		10	4	3	2							
Arenac	13	-	13	1		6		7		4	7	1	1							
Baraga	4	-	4	-		1		3		1	-	2	-	1						
Barry	57	1	56	8		17		39		18	12	14	9	1	2					
Bay	178	-	178	37		42		136		73	45	31	21	7	1					
Benzie	14	-	14	3		4		10		7	4	1	-							
Berrien	329	-	329	85		103		226		190	74	30	18	10	7					
Branch	98	-	98	1		25		73		49	19	17	8	3	2					
Calhoun	491	2	489	116		123		366		258	111	75	28	12	5					
Cass	61	-	61	2		11		50		28	12	11	5	1	4					
Charlevoix	15	-	15	-		4		11		6	1	5	1	2						
Cheboygan	11	-	11	-		1		10		6	3	2	-							
Chippewa	42	-	42	6		11		31		22	12	6	1	1						
Clare																				
Clinton	43	-	43	17		17		26		20	9	8	5	-	1					
Crawford	13	-	13	1		4		9		7	4	2	-							
Delta	38	1	37	2		15		22		10	12	7	4	1	3					
Dickinson	35	-	35	1		10		25		16	6	8	2	2	1					
Eaton	84	1	83	7		26		57		35	29	7	7	2	3					
Emmet	12	-	12	3		4		8		4	3	4	1	-						
Genesee	920	4	916	194		257		659		506	205	130	49	18	8					
Gladwin	7	-	7	-		1		6		1	4	1	1	-						
Gogebic	47	-	47	17		14		33		13	18	9	1	3	3					
Grand Traverse	49	-	49	-		13		36		24	10	5	7	2	1					
Gratiot	33	-	33	1		15		18		18	8	5	1	-	1					
Hillsdale	61	-	61	8		15		46		30	19	8	2	1	1					
Houghton	31	-	31	8		8		23		12	7	6	4	1	1					
Huron	31	-	31	4		7		24		12	7	7	4	1	-					
Ingham	642	6	636	74		150		486		329	153	89	39	17	8	1				
Ionia	89	-	89	22		29		60		45	14	13	8	5	4					
Iosco	19	1	18	2		7		11		8	5	2	2	1	-					
Iron	18	-	18	3		3		15		4	7	5	1	-	1					
Isabella	27	-	27	-		5		22		13	5	5	2	2	-					
Jackson	381	1	380	13		95		285		213	74	61	16	10	6					
Kalamazoo	417	2	415	15		110		305		228	86	67	25	7	2					
Kalkaska	5	-	5	2		-		5		2	3	-								
Kent	733	4	729	154		157		572		394	157	99	43	22	14					
Keweenaw	4	-	4	-		3		1		-	1	2	1	-						
Lake																				
Lapeer	68	-	68	10		21		47		27	24	8	8	-	1					
Leelanau	7	-	7	4		2		5		3	2	1	-	1						
Lenawee	164	1	163	4		49		114		80	35	30	5	10	3					
Livingston	55	-	55	-		19		36		25	15	10	5	-						
Luce																				
Mackinac	16	-	16	4		6		10		4	5	2	3	1	1					
Macomb	533	8	525	43		142		383		248	141	78	36	12	10					
Manistee	2	-	2	1		1		1		1	1	-								
Marquette	61	-	61	2		19		42		16	18	18	2	6	1					
Mason	45	-	45	16		11		34		16	12	11	5	-	1					
Mecosta	22	-	22	2		5		17		13	4	3	1	1	-					
Menominee	19	-	19	2		5		14		7	7	2	2	1	-					
Midland	63	-	63	1		22		41		20	16	14	8	3	2					
Missaukee	1	-	1	-		-		1		-	1	-	-							
Monroe	97	1	96	14		26		70		42	21	19	8	5	-	1				
Montcalm	70	-	70	11		15		55		44	13	4	5	2	2					
Montmorency	1	-	1	-		1		-		1	-	-	-	-						
Muskegon	314	2	312	8		85		227		182	59	34	21	9	7					

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

AREA	Divorces & Annulments	Annulments	DIVORCES										
			Total	Cases Contested	Granted to Husband		Wife		Children				
					0	1	2	3	4	5 or More	Not Stated		
Newaygo	20	-	20	1	1	19	5	7	3	3	2	-	-
Oakland	1,253	24	1,229	204	293	936	602	284	199	95	30	19	-
Oceana	25	-	25	9	6	19	13	2	4	4	1	-	1
Ogemaw	6	-	6	-	2	4	4	1	1	-	-	-	-
Ontonagon	7	-	7	1	2	5	-	4	1	1	-	1	-
Osceola	15	-	15	3	6	9	9	3	2	-	1	-	-
Oscola	2	-	2	1	1	1	1	1	-	-	-	-	-
Otsego													
Ottawa	90	-	90	22	23	67	48	18	12	8	1	3	-
Presque Isle	11	-	11	2	4	7	8	-	3	-	-	-	-
Roscommon	11	-	11	1	3	8	5	3	2	-	1	-	-
Saginaw	306	5	301	148	82	219	146	72	49	19	13	2	-
Sanilac	16	-	16	2	3	13	6	7	1	2	-	-	-
Schoolcraft	9	-	9	4	2	7	5	3	-	-	1	-	-
Shiawassee	124	1	123	3	29	94	45	35	27	12	2	1	1
St. Clair	215	2	213	65	60	153	92	58	35	16	7	5	-
St. Joseph	72	-	72	2	14	58	39	16	12	2	1	2	-
Tuscola	43	-	43	14	9	34	18	12	7	3	2	1	-
Van Buren	84	-	84	9	23	61	51	14	11	6	1	1	-
Washtenaw	352	6	346	159	64	282	172	74	64	20	9	7	-
Wayne	5,534	59	5,475	1,801	1,531	3,944	4,041	800	381	163	59	31	-
Wexford	33	-	33	8	5	28	16	13	2	1	-	1	-

Note: Blank spaces indicate no records were received.