

VELMA PLOCH

MICHIGAN



HEALTH STATISTICS

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**MICHIGAN
DEPARTMENT
OF HEALTH**

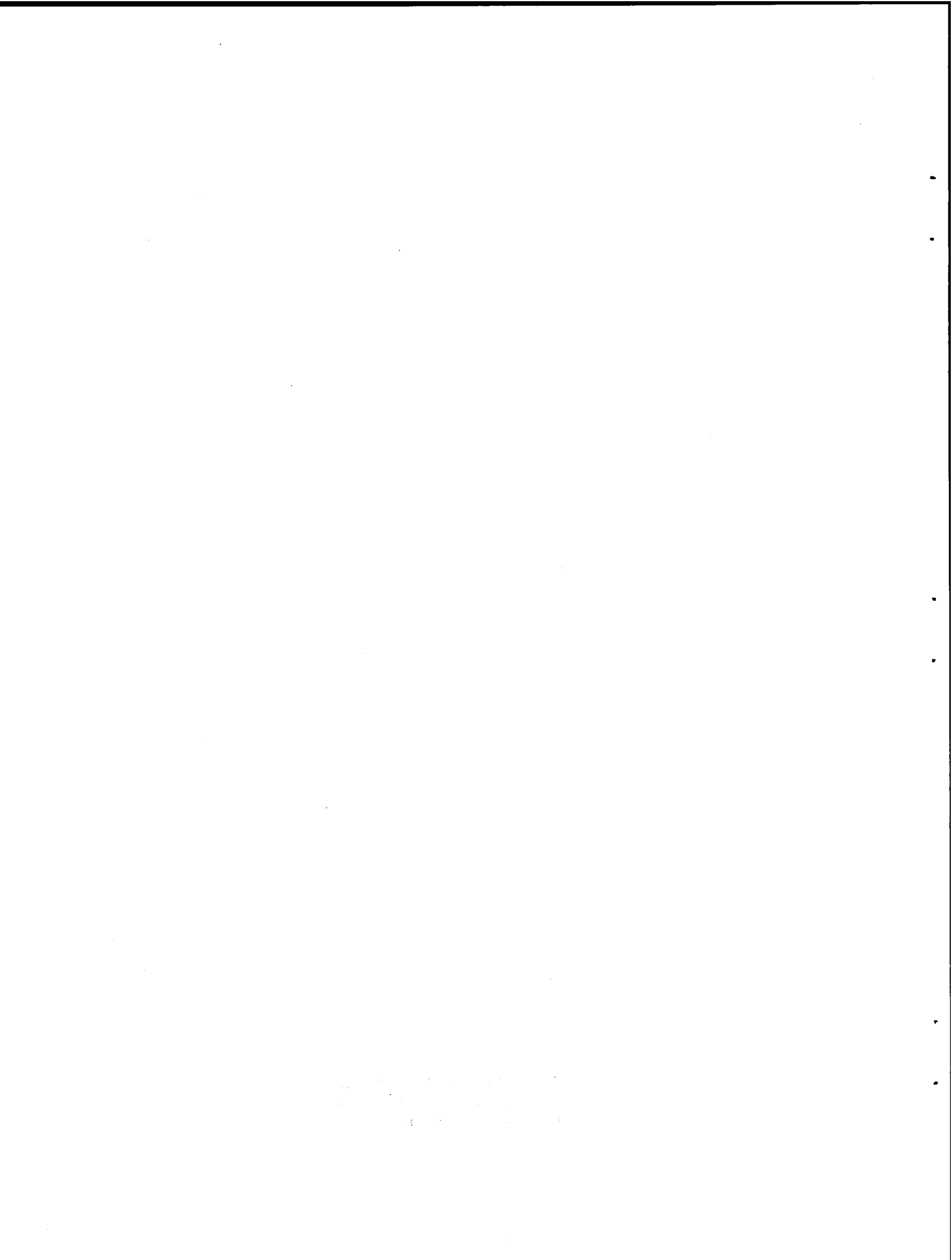
Lansing 4

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 cursive script that reads "Albert 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
Tuberculosis Case and Death Rates: Michigan, 1920 - 1952.	8
Newly Reported Cases of Tuberculosis, Percentage Distribution by Age Groups: Michigan, 1952	9
Mortality Trends for Certain Chronic Diseases: Michigan, 1930 - 1952.	11
Highlights of Health in Michigan, 1952 Related to 1951	13
Birth and Death Rates: Michigan, 1940 - 1952.	14
Michigan's Vital Index Indicates a Rapidly Growing State: 1900 - 1952	15
Record Birth Year - 1952 (comparison of births with decreasing infant and maternal mortality rates, 1930 - 1952).	16
Number of Live Births, Infant and Maternal Death Rates: Michigan, 1930 - 1952	17
Accidents, 4th Leading Cause of Death, Took the Lives of 3,857 People in Michigan During 1952.	23
Ten Leading Causes of Death, Distribution by Age Groups: Michigan, 1952	58
Leading Causes of Death in Michigan in 1952.	59
Leading Causes of Death by Age Groups: Michigan, 1952	61
177,835 Babies Born; 4,689 Died Under 1 Year of Age (causes of infant deaths): Michigan, 1952.	62
Infant Mortality: Michigan - 1930, 1940, 1950, 1952	63
a) Trends - Death Rates Under 1 Year and Under 1 Week	
b) Certain Causes of Infant Deaths	
Population Changes by Economic Areas: Michigan - 1930, 1940, 1950, 1952	68
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

for the year 1952

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	Polymyelitis	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	1,631	13,023	915	424	11,448	6,212	6,132	293	1,137	14,662	7,843	170
1932	1,188	15,255	222	513	13,091	42,129	7,103	129	112	11,969	6,963	140
1933	1,152	16,419	46	453	11,720	21,654	6,624	86	93	7,691	6,447	85
1934	614	19,238	49	486	11,255	6,528	5,264	53	230	6,483	6,188	132
1935	645	11,849	16	355	13,427	79,061	4,642	113	614	6,416	6,372	110
1936	661	12,650	32	287	14,287	2,453	5,157	120	152	6,401	6,460	133
1937	842	24,798	152	241	11,426	6,154	6,469	87	421	8,708	7,072	244
1938	619	18,362	274	285	14,563	79,400	6,335	69	59	14,684	7,046	341
1939	452	15,836	371	177	8,997	12,948	6,119	46	904	13,144	6,364	286
1940	264	10,366	76	120	11,757	20,206	6,063	49	1,228	9,999	7,650	218
1941	242	8,756	114	147	16,512	70,748	5,371	49	270	11,370	8,767	359
1942	243	7,503	17	74	11,602	8,569	5,720	66	162	12,461	8,753	276
1943	281	5,044	18	115	12,091	51,764	6,546	757	255	15,933	9,526	260
1944	419	8,963	10	78	4,049	26,711	6,419	857	884	17,288	11,987	185
1945	630	9,304	16	59	5,339	6,328	5,471	270	215	16,046	12,565	244
1946	385	5,977	3	85	8,116	42,261	5,548	185	1,091	18,051	12,635	206
1947	238	4,834	1	77	10,472	9,574	6,470	113	646	15,276	10,989	216
1948	126	5,934	-	49	2,668	42,952	6,109	107	775	12,100	9,448	465
1949	119	8,852	-	48	4,157	20,279	5,953	120	2,909	8,740	9,427	336
1950	84	4,665	-	43	9,184	38,245	5,538	133	2,029	8,830	8,678	202
1951	48	8,181	-	33	3,156	15,227	6,144	138	1,463	6,532	8,494	187
1952	45	8,325	-	53	1,992	32,941	6,152	169	3,912	7,377	7,691	58

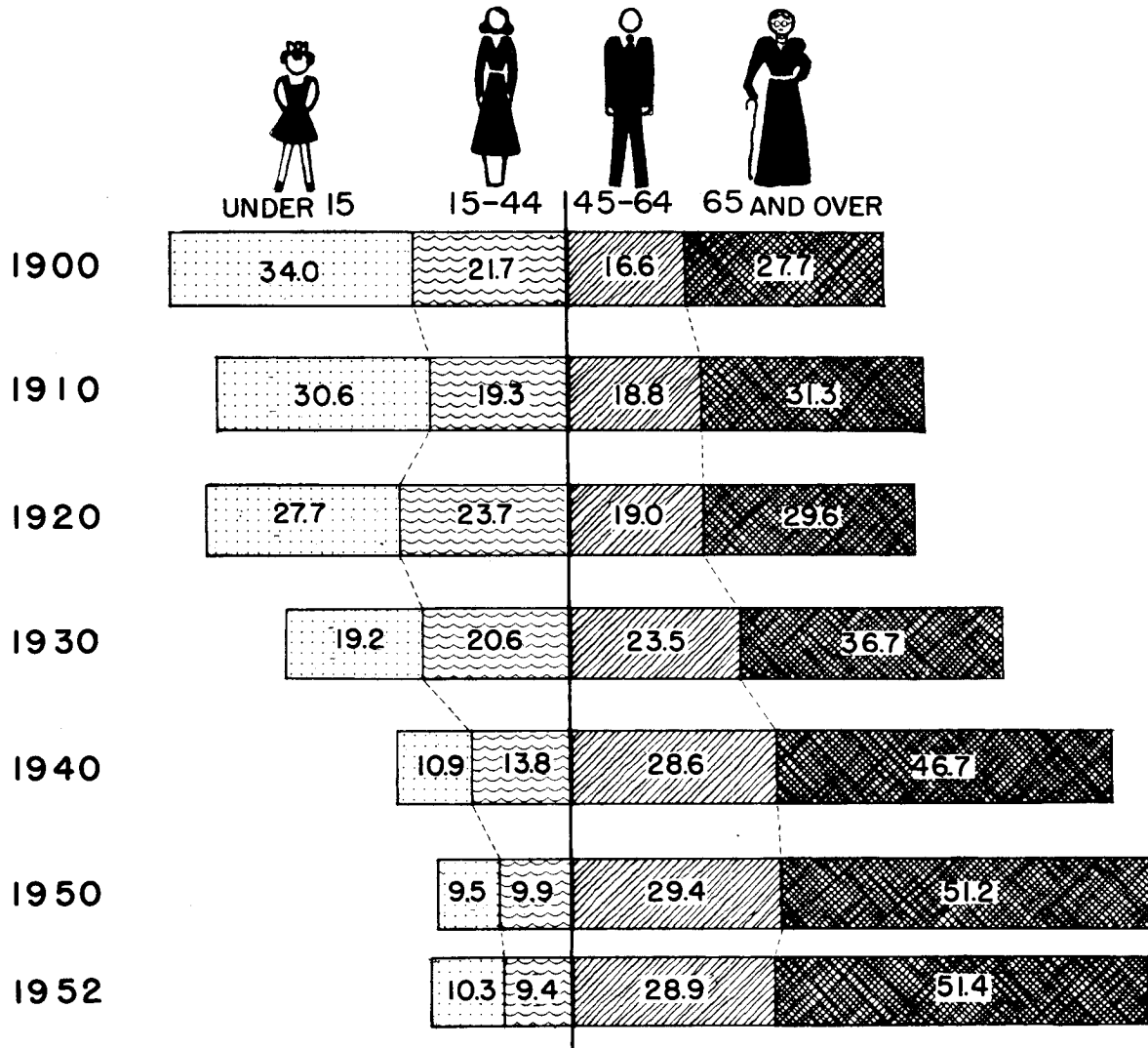
TABLE 2 - DEATHS DUE TO CERTAIN COMMUNICABLE DISEASES, AND RATES
MICHIGAN, 1930 - 1952

(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	38	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.

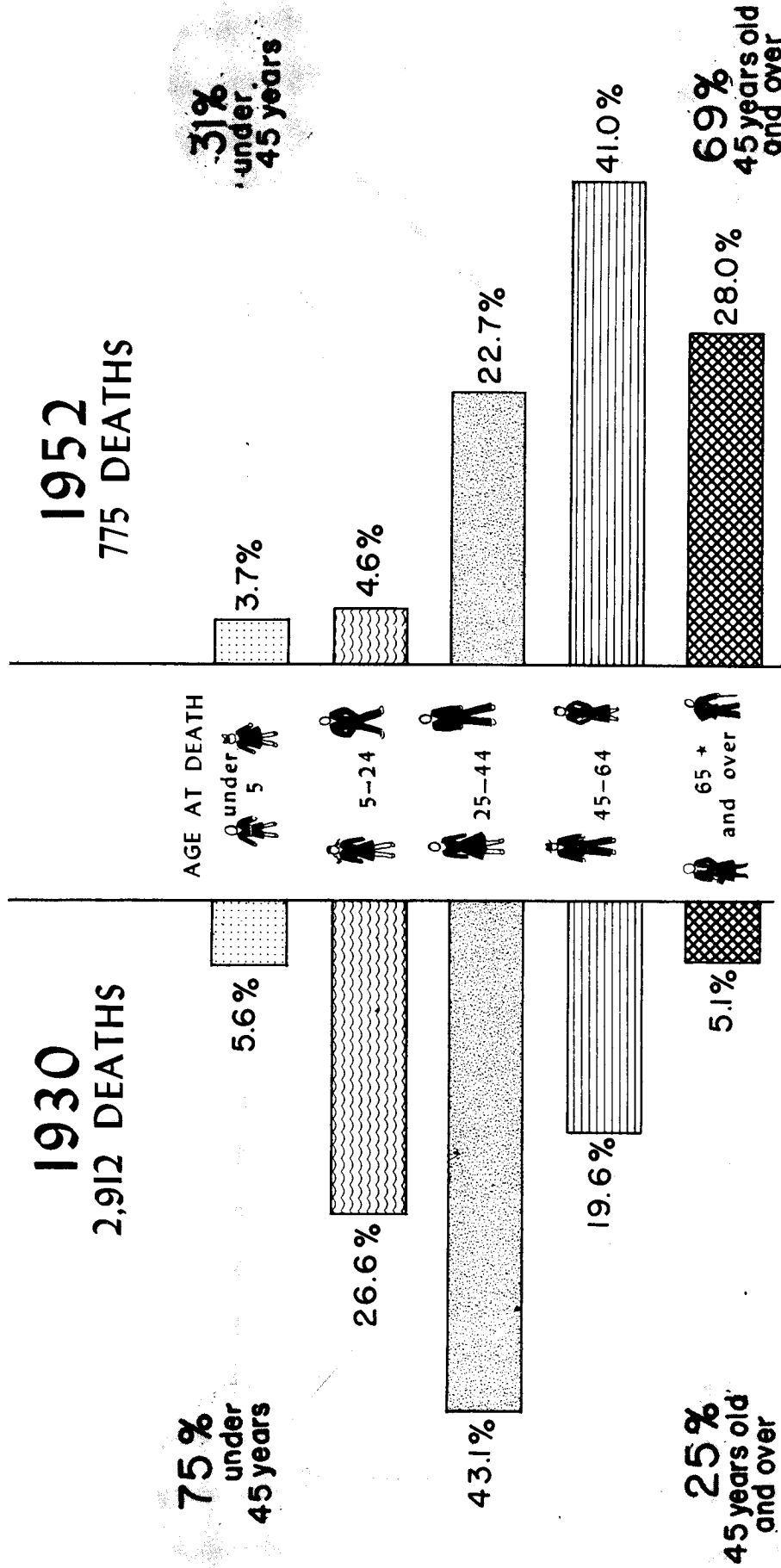
In 1900 approximately 1/3 of all deaths occurred under 15 years of age; the proportion has decreased to only 1/10 at the present time.

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

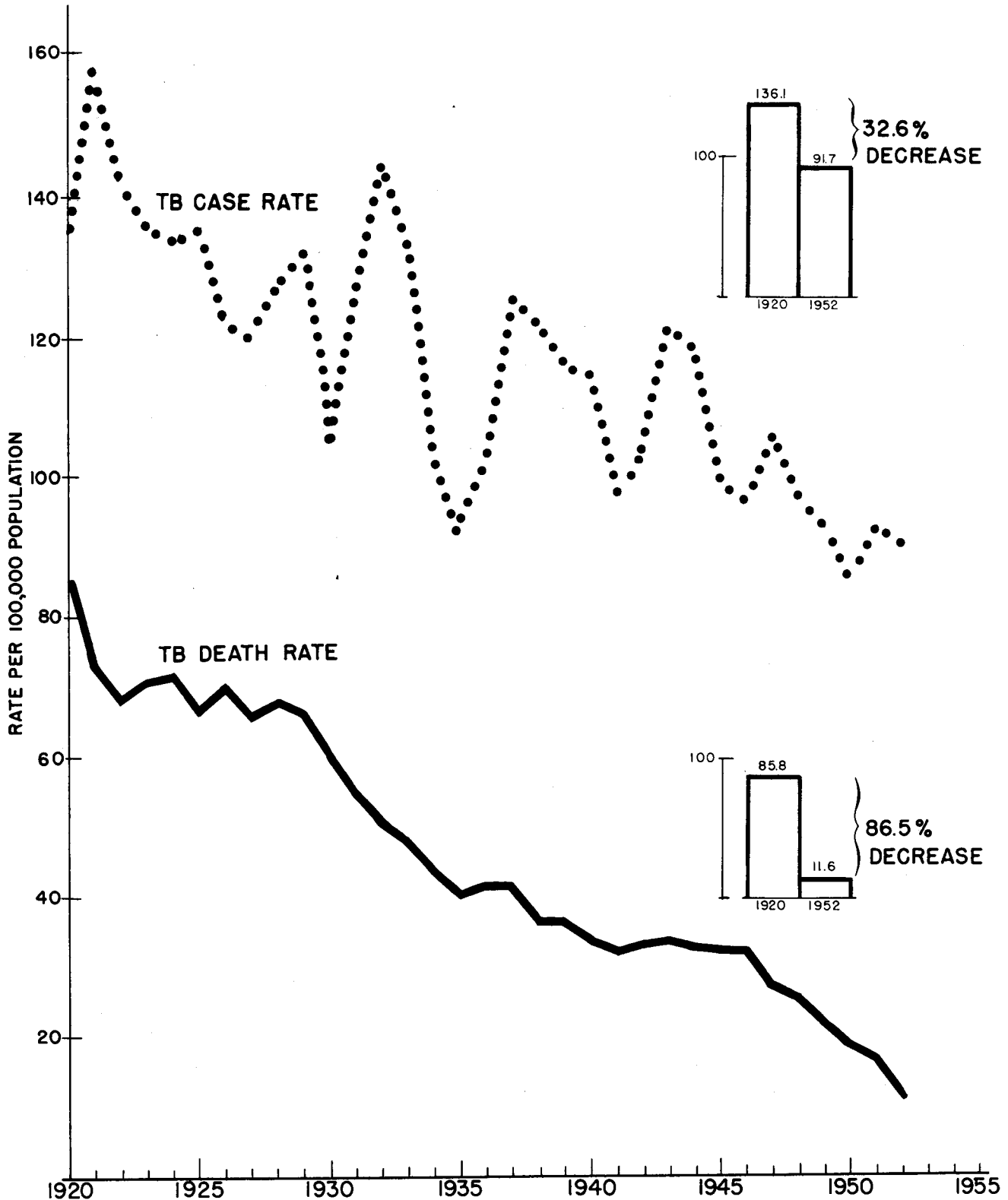


Between the years 1930 and 1952 there has been almost a reversal of the percentage distribution of tuberculosis deaths under and over 45 years of age. In 1930 75% of these deaths were under 45 years of age, while in 1952 69% were 45 years of age or older. This shifting age pattern is also reflected in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

* Includes 4 deaths of unknown age in 1930

TUBERCULOSIS CASE AND DEATH RATES

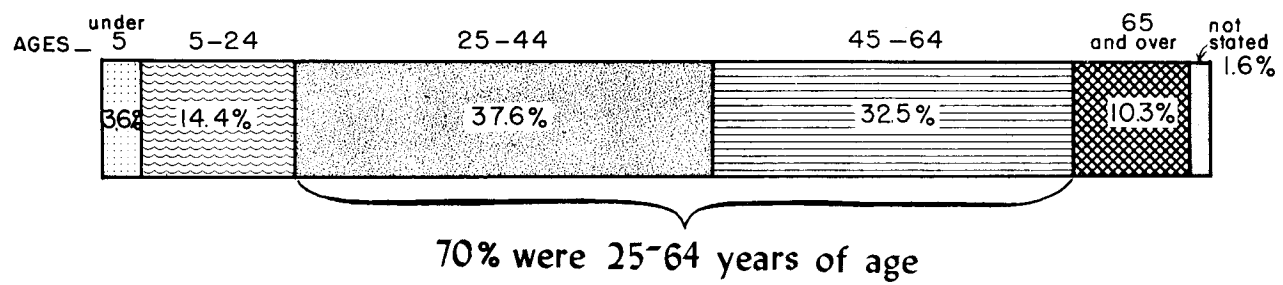
MICHIGAN 1920-1952



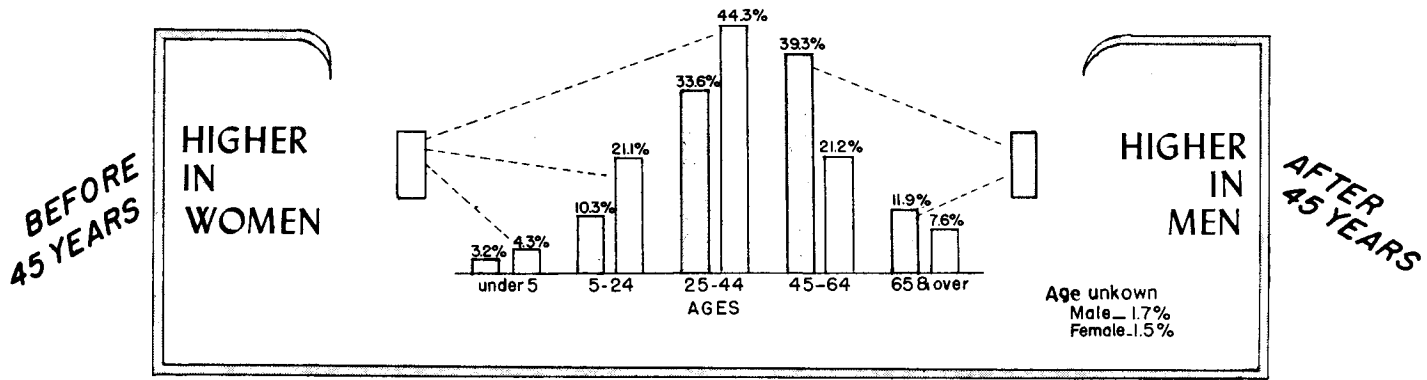
NEWLY REPORTED CASES OF TUBERCULOSIS

MICHIGAN 1952

ALL CASES: PERCENTAGE DISTRIBUTION BY AGE GROUPS

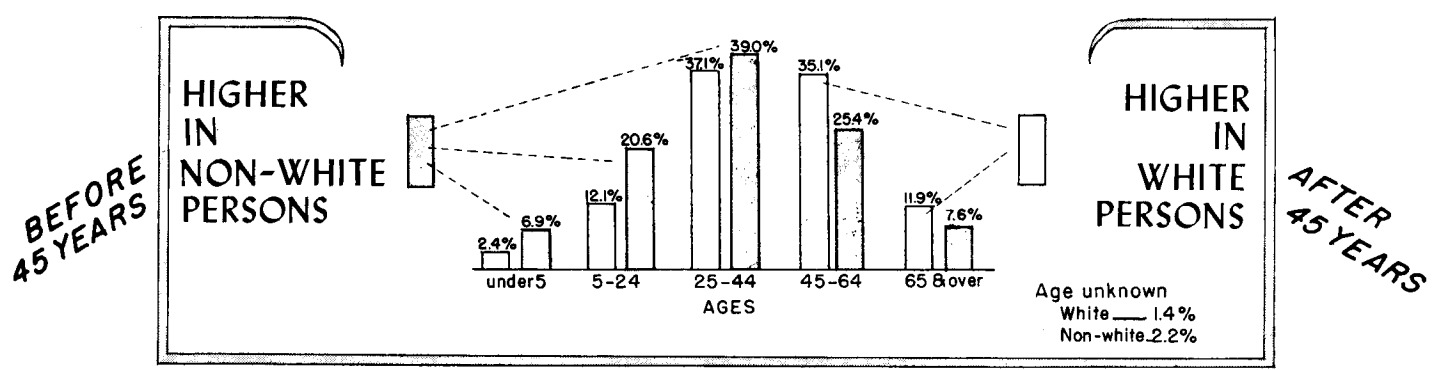


MEN AND WOMEN: COMPARISON OF PERCENTAGE DISTRIBUTION BY AGE GROUPS



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.

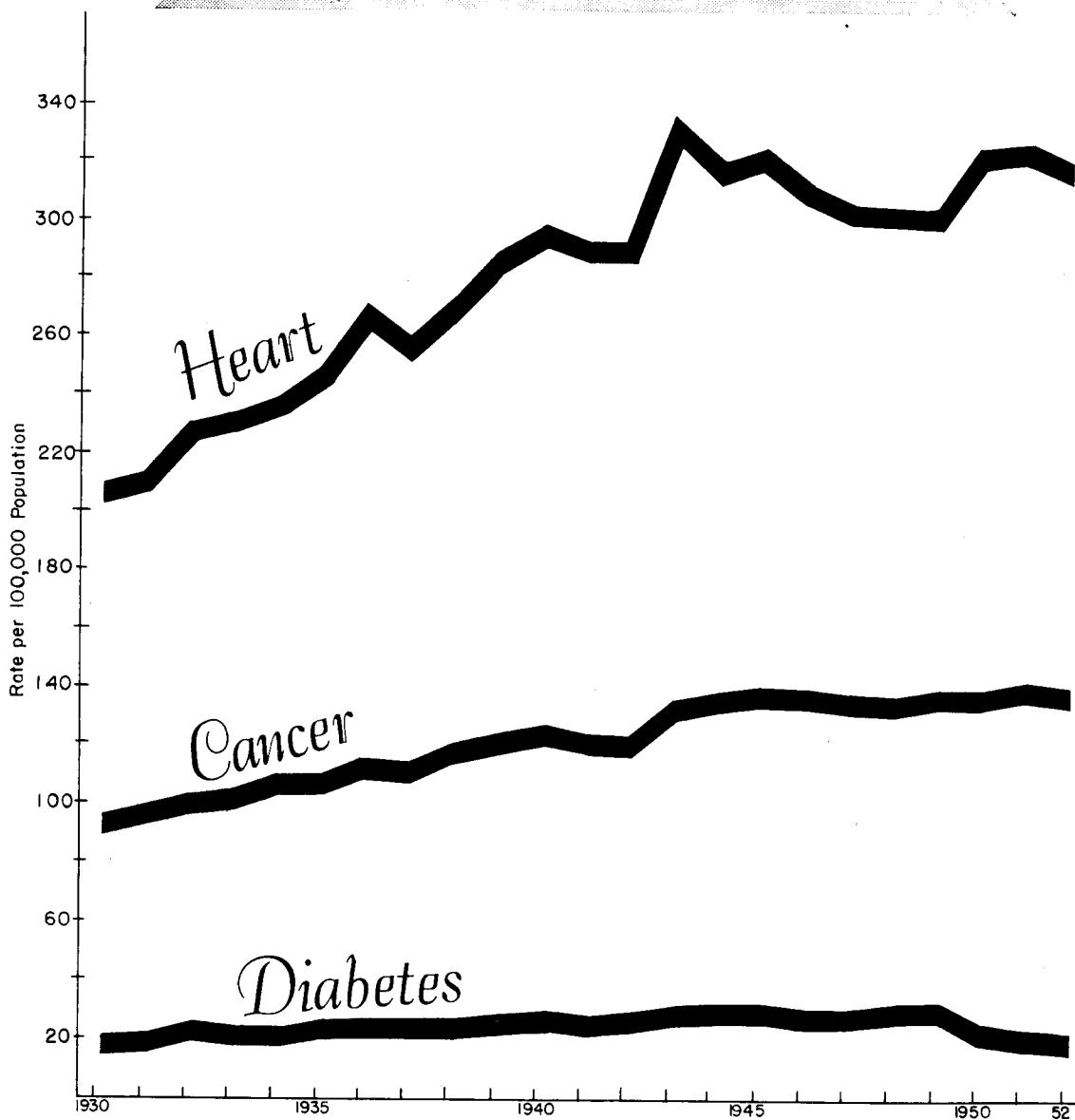
TABLE 3 - DEATHS DUE TO SPECIFIED CAUSES, AND RATES
MICHIGAN, 1930 - 1952

(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 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	N U M B E R										R A T E					
	Population	Live Births	Deaths			Fetal Deaths	Marriages	Divorces	Live Births	Deaths			Fetal Death Ratio	Rate		
			Under 1 Yr	Under 28 Days*	Maternal					All Ages	Under 1 Yr	Under 28 Days*		Maternal	Married	Divorced
1930	4,842,325	98,882	6,213	3,624	597	3,714	29,462	10,639	20.4	10.6	62.8	36.6	60.4	37.6	12.2	4.4
1931	4,883,703	90,547	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	4,630	2,798	493	2,980	28,552	7,889	17.3	10.1	54.3	32.8	57.8	35.0	11.6	3.2
1933	4,966,459	80,482	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	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	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	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	4,374	2,700	326	2,707	47,954	12,472	17.6	10.4	47.8	29.5	35.6	29.6	18.7	4.9
1938	5,173,350	96,962	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	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	4,022	2,629	292	2,602	46,342	12,054	18.9	9.9	40.6	26.5	29.5	26.3	17.6	4.6
1941	5,437,546	107,498	4,166	2,687	298	2,769	50,989	13,317	19.6	9.7	38.8	25.0	27.7	25.8	18.8	4.9
1942	5,538,857	124,068	4,606	3,091	260	3,067	51,582	14,085	22.4	9.5	37.1	24.9	21.0	24.7	18.6	5.1
1943	5,377,329	125,441	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	4,326	2,784	198	2,874	41,678	18,356	21.1	10.0	38.1	24.5	17.4	25.3	15.5	6.8
1945	5,435,092	111,557	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	7.8
1946	5,708,415	138,572	4,541	3,323	163	3,168	78,808	29,158	24.3	9.6	32.8	24.0	11.8	22.9	27.6	10.2
1947	6,069,000	160,275	5,055	3,677	173	3,422	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	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	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	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	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	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%



BIRTHS

(Rate per 1,000 population)

1951 26.3
1952 26.5

up 0.8%

DEATHS

(Rate per 1,000 population)

9.0
1951
8.8
1952

down 2.2%

VITAL INDEX

(Number of births per 100 deaths)

1951 _ 291
1952 _ 301

up 3.4%

INFANT DEATHS

(Rate per 1,000 live births)

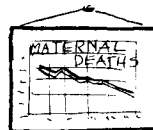
1951 26.1

1952 26.4

up 1.1%

MATERNAL DEATHS

(Rate per 10,000 live births)



1951 _ 5.4
1952 _ 4.6

down 14.8%

MARRIAGES _ PERSONS MARRIED
(Rate per 1,000 population)

16.3
1951
15.1
1952

down 7.4%

DIVORCES _ PERSONS DIVORCED
(Rate per 1,000 population)

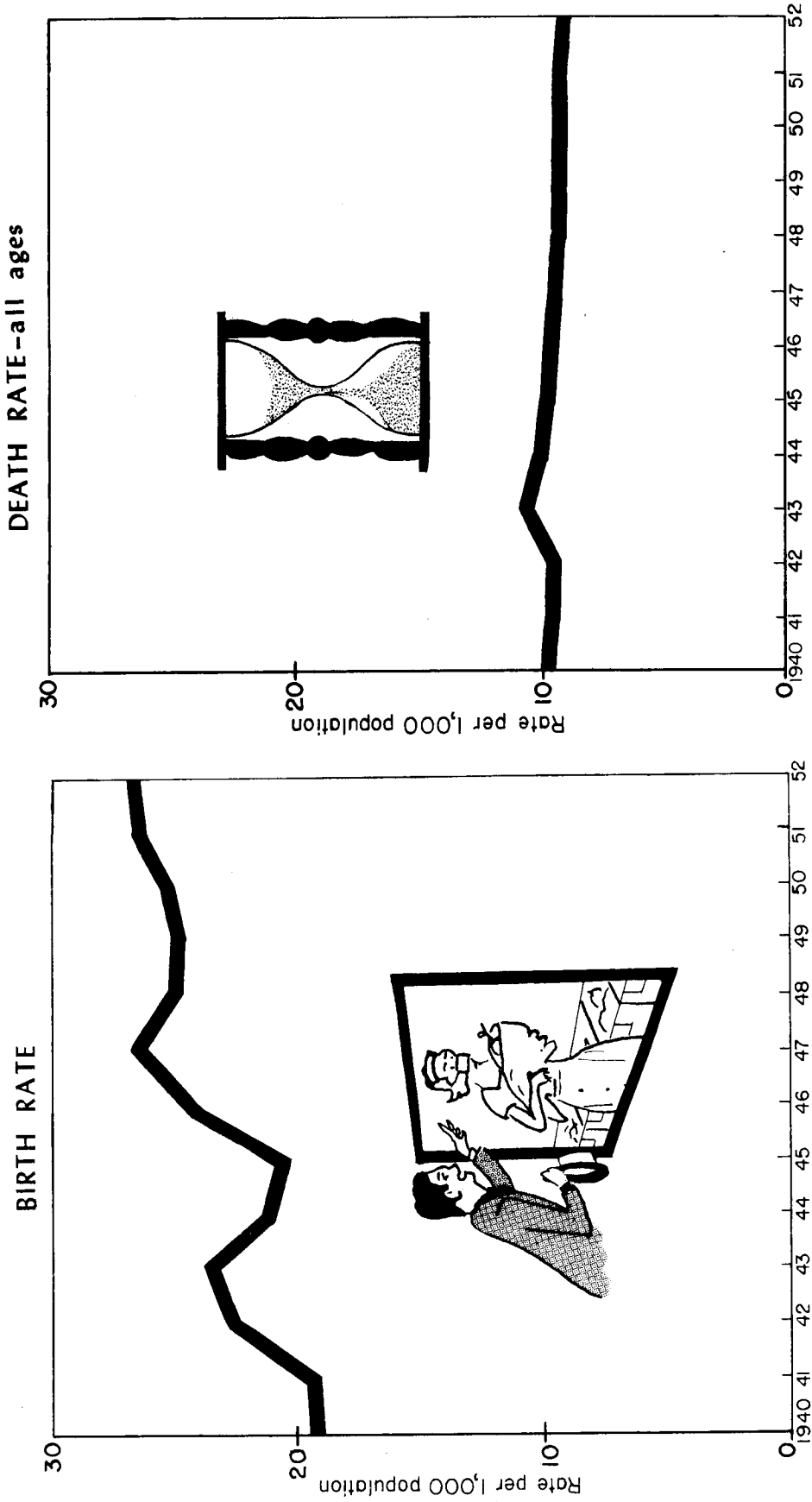


1951 _ 4.7
1952 _ 4.4

down 6.4%

BIRTH AND DEATH RATES

MICHIGAN 1940 - 1952

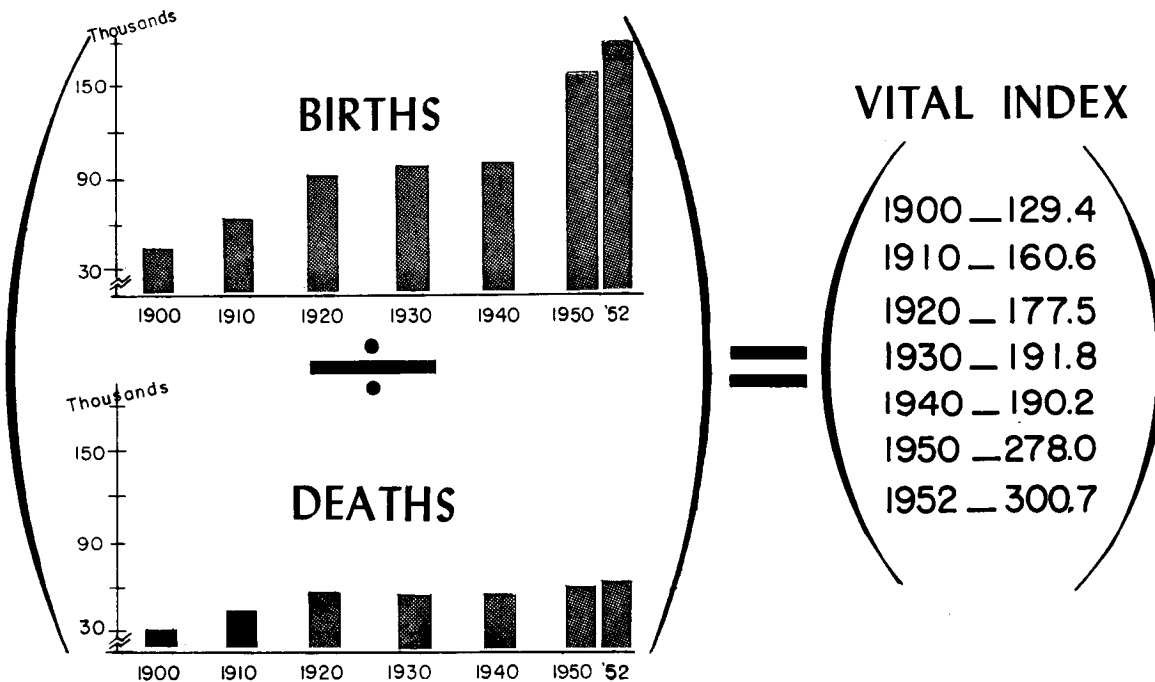
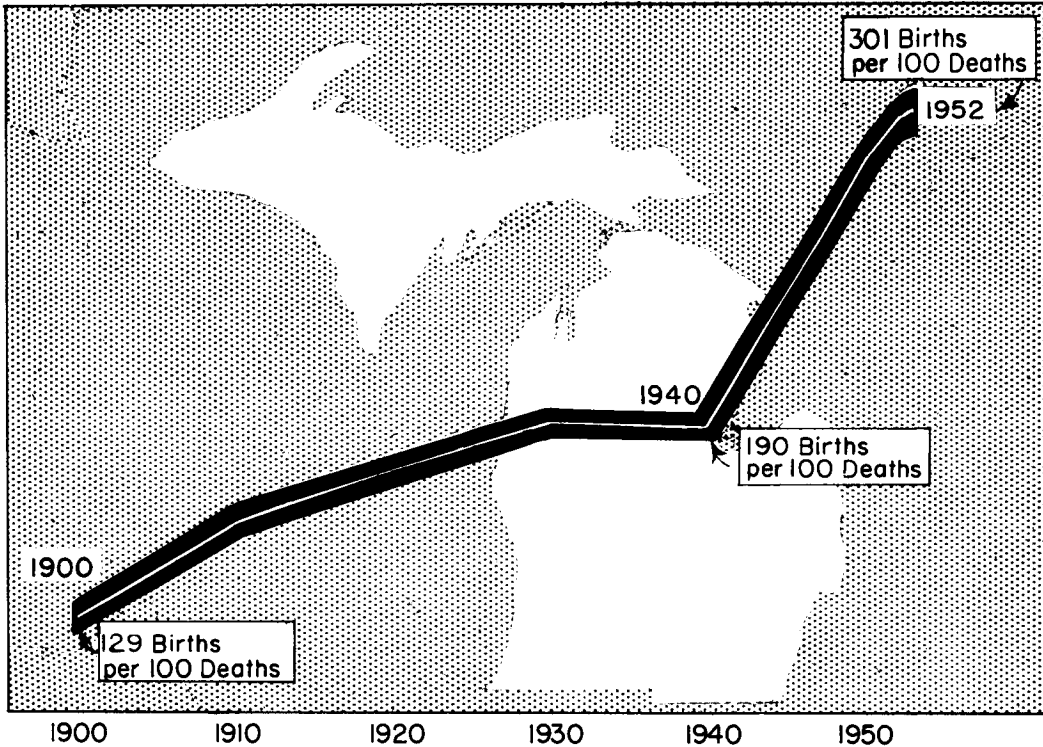


1952 - HIGHEST BIRTH RATE AND LOWEST DEATH RATE IN HISTORY OF STATE

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.

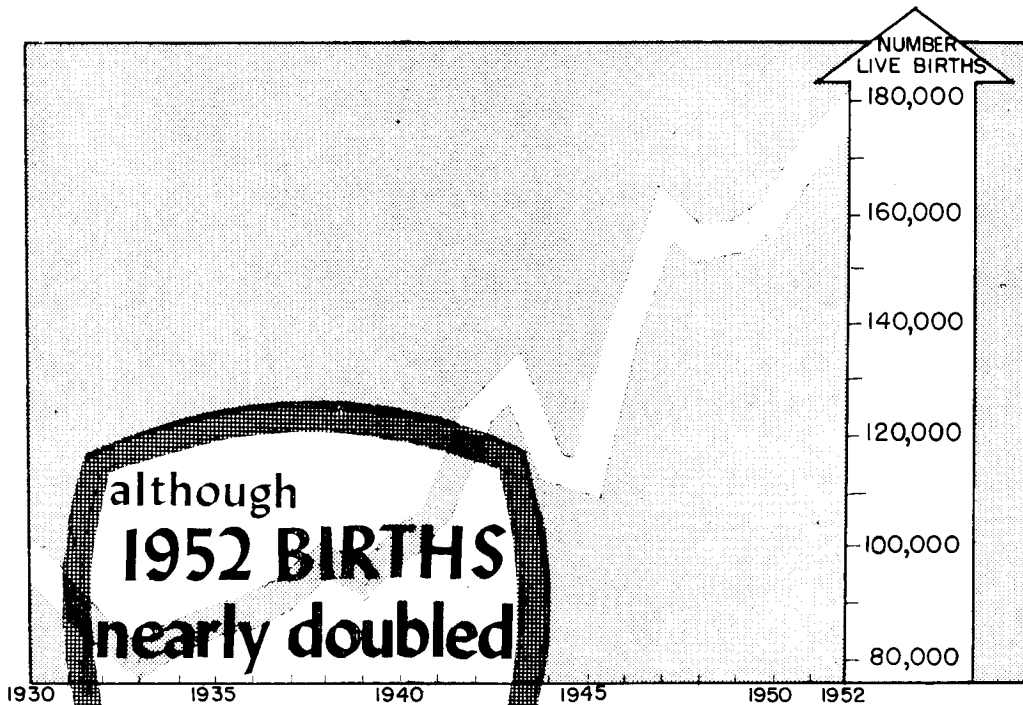
After three years of gradual decline at the beginning of the period, the death rate increased somewhat in 1943; since then the decline has been gradual with the 1952 rate reaching a record low of 8.8. The estimated 1952 rate for the United States was 9.6.

MICHIGAN'S VITAL INDEX INDICATES A RAPIDLY GROWING STATE



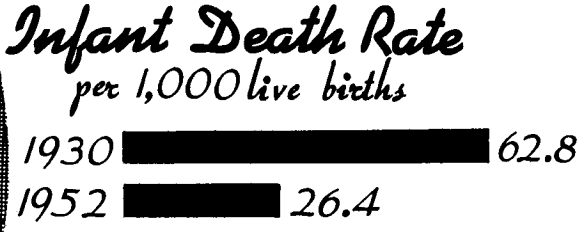
Michigan's vital index of 1952 was approximately 2 1/3 times greater than it was at the beginning of the century. Within the short period of the past twelve years, the index has increased by 58% as compared with an increase of only 47% for the forty year period between 1900 and 1940.

1952-RECORD BIRTH YEAR

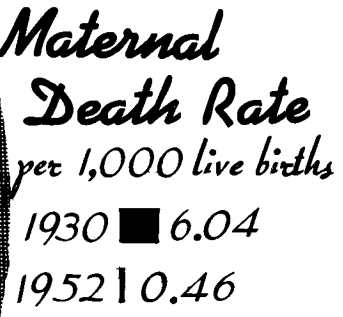


although
1952 BIRTHS
 nearly doubled
1930 births

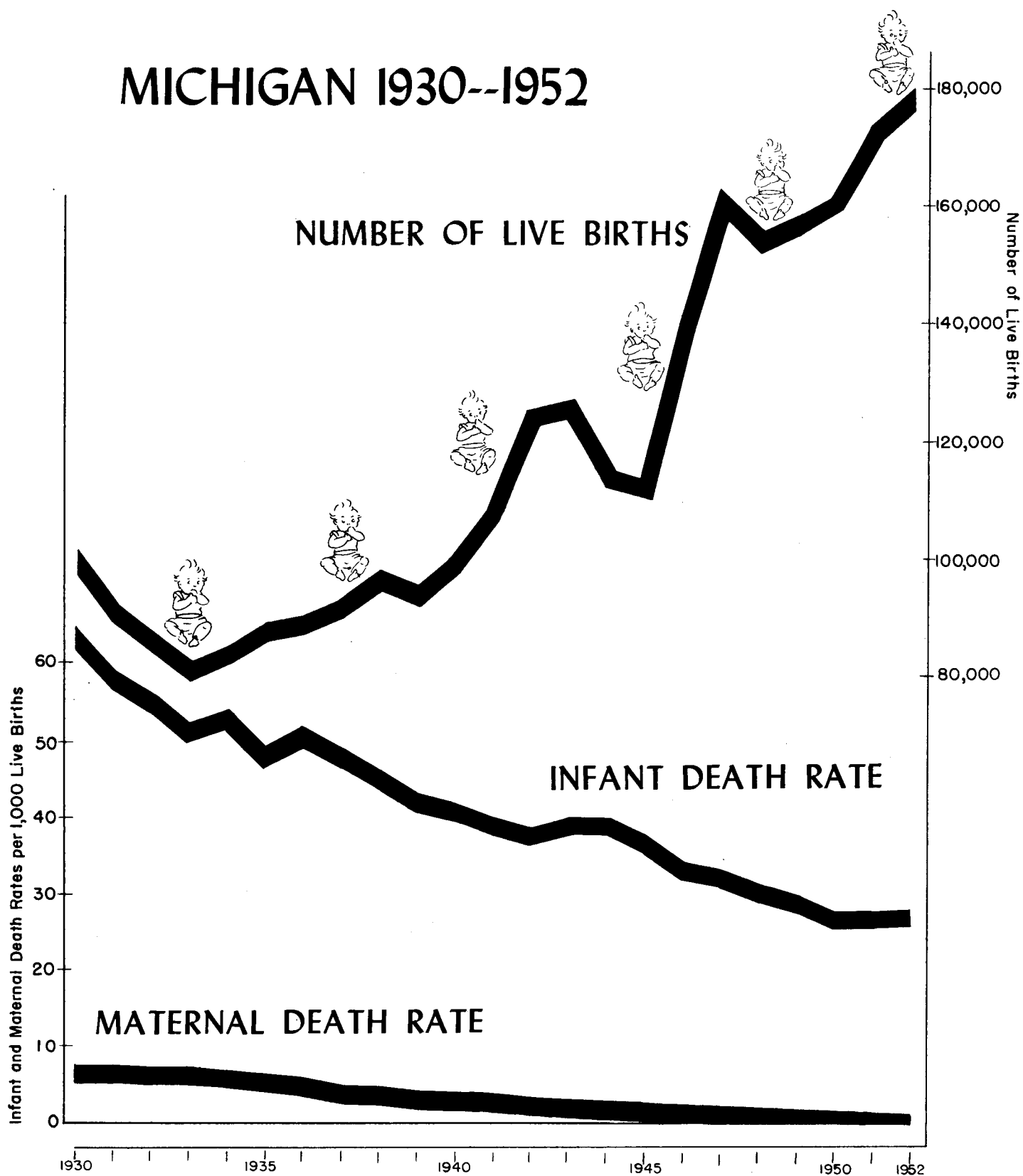
INFANT DEATH RATE
 decreased
58.0%



and
MATERNAL DEATH RATE
 decreased
92.4%



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	2	1	17
Munising	24	-	-	-	-	8	-	-	1	-	1	-	-	14
Allegan rural	295	-	86	-	15	89	8	-	21	1	7	13	5	50
Allegan	174	-	16	-	2	98	1	1	8	-	1	1	1	45
Otsego	29	-	13	-	-	2	3	-	-	-	-	-	-	11
Plainwell	2	-	-	-	1	-	-	-	-	-	1	-	-	-
Alpena rural	13	-	2	-	-	-	-	-	4	-	1	3	-	3
Alpena	95	-	11	-	1	1	-	1	10	-	4	6	2	59
Antrim	57	-	18	-	-	15	2	-	7	-	3	3	3	6
Arenac	70	-	13	-	-	20	4	-	9	-	6	6	-	12
Baraga	18	-	-	-	1	4	-	-	2	-	8	1	-	2
Barry rural	320	-	15	-	5	22	3	1	16	1	4	2	1	250
Hastings	25	-	-	-	-	-	-	-	2	-	-	1	-	22
Bay rural	257	-	65	-	7	18	2	-	39	-	10	4	8	104
Bay City	715	-	121	-	15	68	-	-	27	-	31	6	21	426
Essexville	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzie	22	-	1	-	-	5	-	-	12	-	2	1	-	10
Berrien rural	119	-	7	-	-	22	-	-	2	-	18	30	30	1
Benton Harbor	251	-	-	-	-	-	-	-	-	-	26	82	143	-
Niles	187	-	14	-	-	46	-	1	3	-	7	15	8	93
St. Joseph	7	-	-	-	-	-	-	-	-	-	-	5	1	-
Buchanan	14	-	2	1	-	3	-	-	-	-	1	4	3	-
Branch rural	353	-	65	-	1	71	14	-	4	3	2	6	4	183
Coldwater	128	-	35	-	2	47	1	-	1	-	6	2	1	35
Calhoun rural	129	1	9	1	2	14	11	1	1	1	14	13	9	52
Albion	156	-	1	-	7	16	-	3	-	-	16	21	6	93
Battle Creek	464	-	59	2	1	23	7	4	51	1	40	68	131	77
Marshall	74	-	1	1	1	10	-	-	-	-	1	4	2	54
Cass rural	382	3	17	3	1	59	-	-	19	-	6	18	-	256
Dowagiac	43	-	4	-	-	3	-	-	-	-	11	7	1	17
Charlevoix rural	30	-	5	-	-	-	-	-	10	-	4	5	3	3
Boyne City	4	-	1	-	-	-	-	-	-	-	1	-	-	1
Charlevoix	3	-	-	-	-	-	-	-	-	-	3	-	-	-
Cheboygan rural	78	-	5	-	1	14	1	-	2	-	2	4	-	49
Cheboygan	70	1	4	-	3	17	1	-	2	-	-	2	1	39
Chippewa rural	122	-	23	1	12	44	-	1	4	1	9	2	7	18
Sault Ste. Marie	304	-	32	-	10	125	1	-	14	-	4	12	5	101
Clare	30	-	6	-	-	1	-	-	2	-	1	18	-	2
Clinton rural	158	-	19	-	-	36	-	-	20	-	4	5	1	73
St. Johns	45	-	3	-	-	13	-	-	-	-	3	5	1	20
Crawford	55	-	6	-	7	2	-	-	1	1	1	-	1	36
Delta rural	133	-	-	-	8	10	-	-	47	-	7	5	1	55
Escanaba	53	-	1	-	-	8	-	-	4	-	7	3	-	30
Gladstone	36	-	-	-	-	19	-	-	5	-	3	-	-	9
Dickinson rural	87	-	-	-	3	6	-	-	-	-	4	3	-	71
Iron Mountain	237	-	6	-	4	28	-	-	1	-	8	1	-	189
Norway	49	-	1	-	1	3	-	-	-	-	1	-	-	43
Kingsford	308	-	4	-	20	32	-	-	2	-	1	1	-	248
Eaton rural	292	-	26	2	-	80	1	2	17	-	3	13	12	136
Charlotte	105	-	3	-	3	14	-	2	13	-	2	2	5	61
Grand Ledge	82	-	41	-	-	15	1	-	8	-	-	-	-	17
Eaton Rapids	85	-	3	-	-	15	-	-	18	-	1	1	-	47
Emmet rural	36	-	4	-	-	1	1	-	13	-	3	5	1	8
Petoskey	49	-	8	-	-	2	-	-	7	-	4	1	3	24
Genesee rural	1,092	1	157	-	21	193	7	4	126	-	20	19	26	518
Fenton	128	-	5	-	-	115	-	-	2	-	1	-	-	5
Flint	1,317	-	211	-	26	140	15	2	173	-	107	179	296	168
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	Polio myelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
Gladwin	58	-	6	-	1	10	-	1	8	-	2	5	1	24
Gogebic rural	82	-	-	-	-	1	-	-	2	-	3	7	1	68
Bessemer	45	-	-	-	-	16	-	-	2	-	-	-	-	27
Ironwood	295	-	7	-	2	15	-	-	7	-	9	4	3	248
Wakefield	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Grand Traverse rural	189	-	16	-	9	19	-	-	17	-	5	3	-	120
Traverse City	56	-	1	-	5	-	-	-	1	-	7	11	1	30
Gratiot rural	61	-	13	-	1	10	-	-	2	-	9	10	4	12
Alma	121	-	11	-	-	18	-	1	2	-	-	-	6	81
St. Louis	9	-	-	-	-	-	-	-	-	-	5	-	-	4
Hillsdale rural	180	-	12	-	-	61	1	-	32	-	9	2	-	63
Hillsdale	96	-	2	-	-	4	-	-	34	-	2	-	-	54
Houghton rural	150	-	2	-	12	40	-	1	12	-	29	15	1	38
Houghton	11	-	1	-	-	1	-	-	1	-	5	1	-	2
Laurium	3	-	-	-	-	-	-	-	2	-	-	-	1	-
Hancock	10	-	-	-	-	-	-	-	3	-	6	1	-	-
Huron rural	29	-	1	-	-	-	-	-	8	-	12	5	2	1
Bad Axe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ingham rural	1,318	5	247	-	41	217	3	1	91	-	13	24	13	663
Lansing	1,965	-	363	2	60	568	5	1	59	-	52	70	121	664
East Lansing	366	-	54	-	8	63	-	-	20	2	3	4	10	202
Mason	24	-	3	-	-	4	-	-	8	-	1	-	-	8
Ionia rural	50	-	2	-	2	6	-	-	12	1	4	12	6	5
Belding	34	-	-	-	2	27	-	-	1	-	-	-	-	4
Ionia	7	-	-	-	-	-	-	-	1	-	1	5	-	-
Portland	18	-	10	-	-	2	-	-	1	-	1	-	-	4
Iosco	18	-	-	-	-	-	-	-	7	-	4	6	-	1
Iron rural	69	-	14	-	-	1	-	-	10	-	4	5	1	34
Iron River	7	-	-	-	-	-	-	-	-	-	7	-	-	-
Isabella rural	236	-	49	-	3	6	3	1	8	-	6	7	1	152
Mt. Pleasant	93	-	3	-	19	12	-	-	7	-	7	5	3	37
Jackson rural	112	-	8	2	-	1	-	-	66	1	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	6	444
Kalamazoo	1,096	-	119	-	7	434	6	1	30	-	25	25	80	369
Kalkaska	17	-	2	-	-	6	-	-	2	-	4	1	-	2
Kent rural	2,125	-	255	-	24	888	3	2	84	1	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	4
Lapeer	90	-	-	-	-	20	-	-	5	-	7	3	1	54
Leelanau	79	-	4	-	3	47	1	-	6	-	4	5	-	9
Lenawee rural	105	-	5	-	1	4	-	-	20	1	15	17	5	37
Adrian	244	-	14	-	-	26	-	-	4	-	16	12	5	167
Tecumseh	6	-	1	-	-	-	-	-	-	-	5	-	-	-
Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Livingston rural	44	-	-	-	-	-	-	2	28	1	4	7	2	-
Howell	8	-	-	-	-	-	-	-	3	-	5	-	-	-
Luce rural	60	-	2	4	-	2	-	-	5	-	2	1	1	43
Newberry	130	-	1	-	2	13	-	-	5	-	1	-	-	108
Mackinac rural	20	-	-	-	-	-	-	-	-	-	7	6	7	-
St. Ignace	119	-	2	-	-	45	-	1	-	-	1	-	-	70
Macomb rural	785	5	52	-	5	262	14	4	40	-	60	23	5	315
Mt. Clemens	205	-	9	-	-	76	4	-	12	-	15	23	5	61
Centerline	88	-	1	-	-	16	1	-	14	-	16	3	1	36
East Detroit	774	-	18	-	2	314	2	1	17	-	20	3	2	395
Roseville	226	-	15	-	3	82	3	1	20	1	19	10	3	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	5	4	39
Manistee	302	-	7	-	-	177	-	1	3	-	6	3	1	104

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

AREA	Total	Diphtheria	Streptococcal sore throat including scarlet fever	Typhoid fever	Whooping cough	Measles	Rheumatic fever	Meningococcal infections	Poliomyelitis	Undulant fever	Tuberculosis	Syphilis	Gonorrhea	All other diseases*
St. Joseph rural	121	-	11	-	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	4
Caro	2	-	-	-	-	-	-	-	-	-	2	-	-	-
Vassar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Van Buren rural	387	-	51	1	10	122	3	1	48	-	8	21	8	114
South Haven	14	-	-	-	-	-	-	-	-	-	3	4	7	-
Washtenaw rural	1,298	-	46	6	25	635	1	1	42	-	23	32	31	456
Ann Arbor	1,154	-	21	-	-	438	1	2	21	-	54	33	10	574
Ypsilanti	726	-	40	-	11	315	2	2	11	-	17	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	25	-
Hamtramck	353	-	7	-	4	36	-	2	9	-	72	17	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,	Rabies in animals	185
Bites, dog	9,867	including serum hepatitis	Ringworm	1,329
Blastomycosis	1	Infectious mononucleosis	Rubella	3,104
Chickenpox	17,694	Influenza	Salmonella infections	132
Diarrhea, epidemic (infants under 1 year)	76	Keratoconjunctivitis	Scabies	357
Dysentery, amebic	125	Malaria	Tetanus	8
Dysentery, bacillary	211	Meningitis, influenzal	Trachoma	1
Encephalitis, infectious	61	Mumps	Trichinosis	2
Erysipelas	59	Pediculosis	Tularemia	3
Impetigo	578	Pink eye	Weil's disease	1
		Psittacosis		3

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	-

ACCIDENTS

4th LEADING CAUSE OF DEATH

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

Where and How?

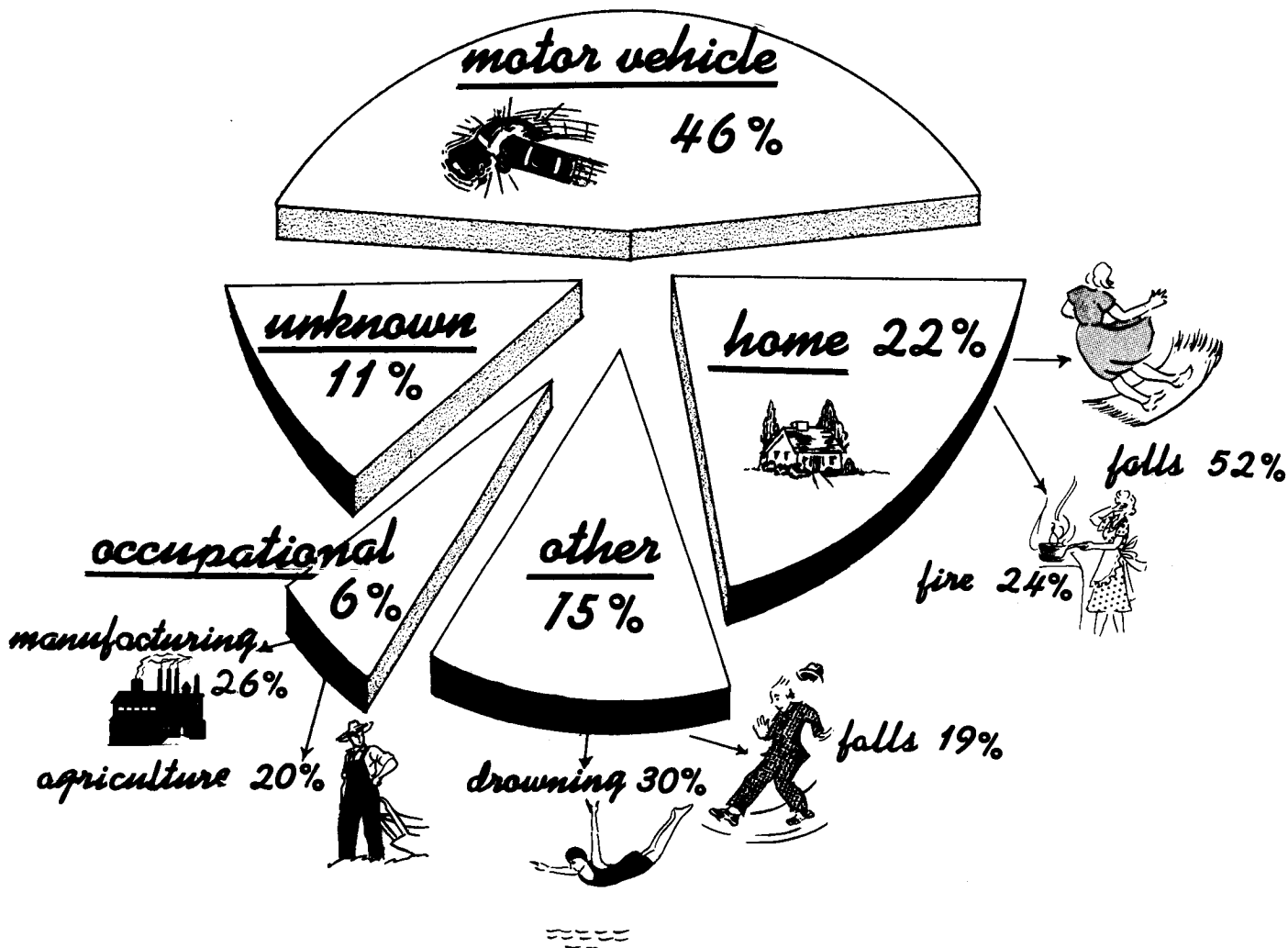


TABLE 7B - DEATHS BY DETAILED LIST OF CAUSES, SEX, AND AGE (continued)

CAUSE OF DEATH	Int. List No.	Total Number	Sex		A G E I N Y E A R S												90 and Over	Not Stated								
			Male	Female	Under	1	5	10	15	20	25	30	35	40	45	50			55	60	65	70	75	80	85	
					Year	4	9	14	19	24	29	34	39	44	49	54			59	64	69	74	79	84	89	
Hernia of abdominal cavity (continued)																										
Hernia of abdominal cavity with obstruction	561	113	66	47																						
Inguinal		43	35	8																						
Femoral	.1	11	10	1																						
Umbilical	.2	17	16	1																						
Ventral (incisional)	.3	19	18	1																						
Other specified site	.4	8	8																							
Unspecified site	.5	25	17	8																						
Other diseases of intestines and peritoneum (570-578)																										
Intestinal obstruction without mention of hernia	570	614	329	285	161	27	1	2	5	9	8	15	17	24	19	31	48	50	54	40	31	18				
Intussusception		220	116	104	16	2																				
Paralytic ileus	.1	10	10	0																						
Mesenteric infarction	.2	52	52	0																						
Volvulus	.3	30	30	0																						
Impaction of intestine	.4	4	4	0																						
Other	.5	118	54	64																						
Gastro-enteritis and colitis, except ulcerative, age 4 weeks and over	571	199	115	84	139	24																				
Ages between 4 weeks and 2 years		156	73	83	139	17																				
Ages 2 years and over	.1	43	42	1																						
Chronic enteritis and ulcerative colitis	572	98	15	83	2																					
Regional enteritis	.0	7	7	0																						
Diverticulitis	.1	54	26	28																						
Ulcerative colitis	.2	34	15	19																						
Other	.3	3	3	0																						
Functional disorders of intestines, constipation	573	2	2	0																						
Anal fissure and fistula	574	1	1	0																						
Abscess of anal and rectal regions	575	3	3	0																						
Peritonitis	576	18	18	0																						
Peritoneal adhesion	577	3	3	0																						
Other diseases of intestines and peritoneum	578	70	1.0	37	33	2																				
Diseases of liver, gallbladder, and pancreas (580-587)																										
Acute and subacute yellow atrophy of liver	580	1,021	573	448	16	8	5	3	2	5	11	29	56	94	106	126	129	129	100	67	45	23				
Cirrhosis of liver	581	599	20	13	3	2	1	2	1	1	3	2	2	1	4	2	2	2	1	1	1	2				
Without mention of alcoholism	.0	516	8.9	380	219	3																				
With alcoholism	.1	83	7.7	324	192	3																				
Suppurative hepatitis and liver abscess	582	2	2	0																						
Other diseases of liver	583	37	0.6	22	15	5																				
Cholelithiasis	584	143	2.1	50	93																					
Cholecystitis without mention of calculi	585	69	1.3	35	54																					
Other diseases of gallbladder and biliary ducts	586	45	0.7	17	28																					
Diseases of pancreas	587	73	1.1	49	24	5	6	1	1	1	2	3	4	7	7	3	2	2	7	3	5					
Acute pancreatitis	.0	44	0.7	26	18																					
Chronic pancreatitis	.1	9	0.1	9																						
Other diseases of pancreas	.2	20	0.3	14	6																					
X Diseases of the genito-urinary system																										
Nephritis and nephrosis (590-594)																										
Acute nephritis	590	55	0.8	23	32	3	6	16	9	16	17	17	42	50	68	76	73	75	93	92	64	47				
Nephritis with edema, including nephrosis	591	59	0.9	36	23	1	1	2	2	2	2	2	6	3	4	3	3	3	4	5	3					
Chronic nephritis	592	605	9.0	335	270	4	7	14	11	18	29	33	62	64	55	54	46	46	64	71	45	33				
Nephritis not specified as acute or chronic	593	143	2.1	75	68	1	2	3	2	3	2	2	5	8	13	10	14	13	17	19	11	10				
Other renal sclerosis	594	11	0.2	3	8																					
Other diseases of urinary system (600-609)																										
Infections of kidney	600	265	4.0	158	107	3	3	3	2	2	3	8	4	9	8	20	26	27	37	30	29	12				
Pyelitis, pyelocystitis, and pyelonephritis	.0	168	2.5	96	73	1	2	2	1	2	5	4	5	7	13	14	16	16	19	20	19	9				
Abscess of kidney and perirenal tissue	.1	3	0.0	3	69	1	2	2	1	2	5	4	5	6	7	12	13	16	19	17	19	9				
Other	.2	4	0.1	4	4																					
Hydronephrosis	601	12	0.2	9	3																					
Calculi of kidney and ureter	602	32	0.5	10	14																					
Other diseases of kidney and ureter	603	15	0.2	9	6																					
Calculi of other parts of urinary system	604	7	0.1	6	1																					
Cystitis	605	13	0.2	7	6																					
Other diseases of bladder	606	5	0.1	2	3																					
Stricture of urethra	608	5	0.1	8	0																					
Other diseases of urethra	609	5	0.1	4	1																					
Diseases of male genital organs (610-617)																										
Hyperplasia of prostate	610	262	3.9	262																						
Prostatitis	611	225	3.4	225																						
Other diseases of prostate	612	26	0.4	20																						
Hydrocele	613	1	0.1	1																						
Redundant prepuce and phimosis	615	2	0.0	2																						
Other diseases of male genital organs	617	2																								

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

CAUSE	TOTAL	PERCENT	N U M B E R			P E R C E N T					
			Under 15 Yrs	15 44	45 64	65 & Over*	Total	Under 15 Yrs	15 44	45 64	65 & Over*
All Causes	59,136	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	15.8	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.

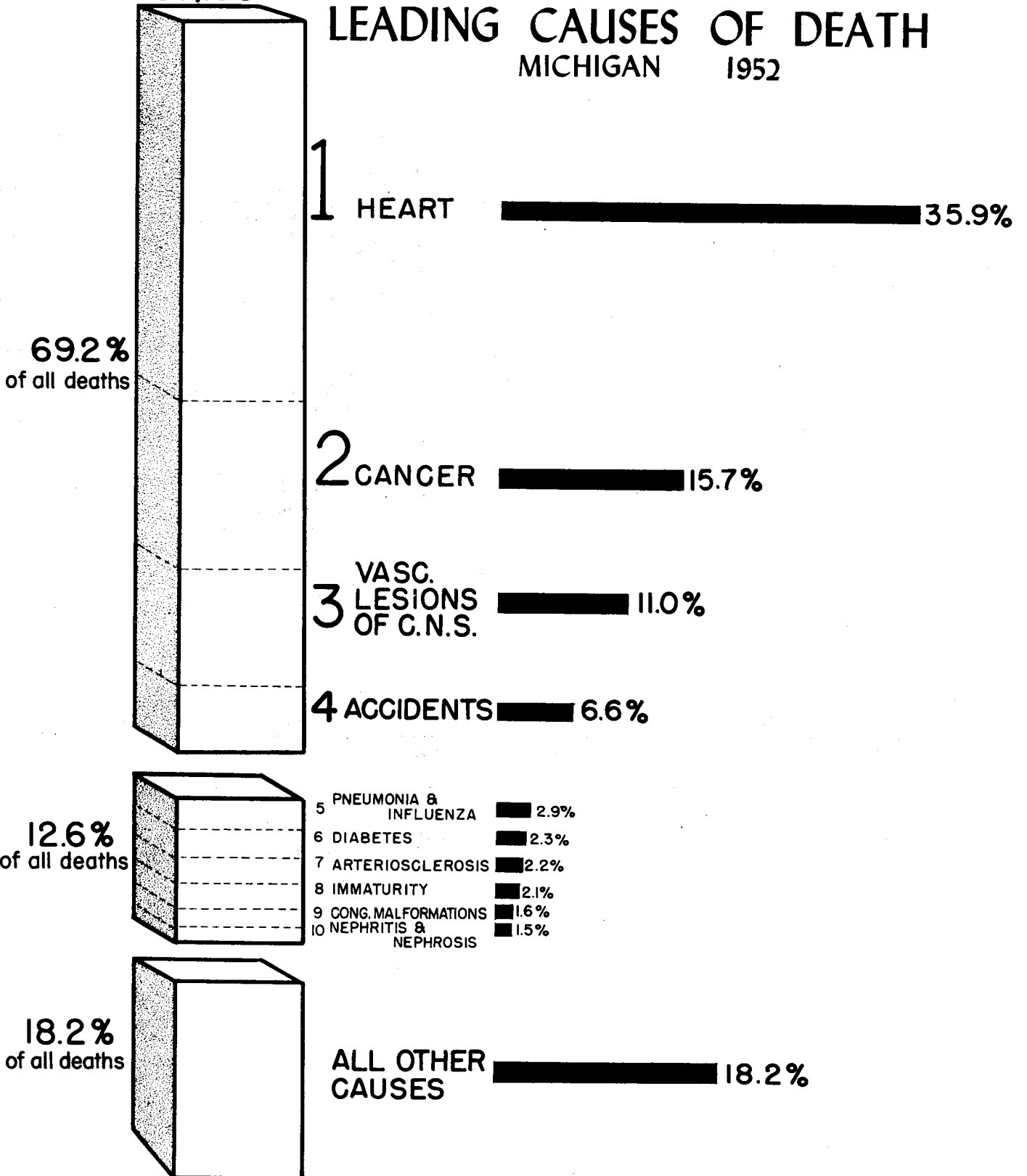
The four leading causes of death accounted for approximately 70% of all deaths. The first three of these, heart, cancer and vascular lesions occurred largely among the older age groups, with only 5%, 11% and 3%, respectively, under 45 years.

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.

LEADING CAUSES OF DEATH MICHIGAN 1952

59,138



69.2%
of all deaths

12.6%
of all deaths

18.2%
of all deaths

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		
Cause of Death	Number	%
All Causes	4,689	100
Immaturity	1,256	26.8
Congenital malformations	786	16.8
Postnatal asphyxia and atelectasis	637	13.6
Birth injuries	512	10.9
Pneumonia & influenza (includes pneumonia of newborn)	404	8.6

1 - 4		
Cause of Death	Number	%
All Causes	720	100
Accidents	201	27.9
Malignant neoplasms	83	11.5
Pneumonia & influenza	71	9.9
Congenital malformations	62	8.6
Acute poliomyelitis	32	4.4
Meningococcal infections	32	4.4

5 - 14		
Cause of Death	Number	%
All Causes	676	100
Accidents	276	40.8
Malignant neoplasms	72	10.7
Acute poliomyelitis	60	8.9
Pneumonia & influenza	30	4.4
Congenital malformations	29	4.3

15 - 24		
Cause of Death	Number	%
All Causes	1,033	100
Accidents	541	52.4
Malignant neoplasms	73	7.1
Diseases of heart	46	4.5
Acute poliomyelitis	42	4.1
Nephritis & nephrosis	33	3.2

25 - 34		
Cause of Death	Number	%
All Causes	1,571	100
Accidents	431	27.4
Malignant neoplasms	208	13.2
Diseases of heart	199	12.7
Suicide	107	6.8
Homicide	71	4.5

35 - 44		
Cause of Death	Number	%
All Causes	2,966	100
Diseases of heart	766	25.8
Malignant neoplasms	565	19.0
Accidents	401	13.5
Vascular lesions of central nervous system	141	4.8
Tuberculosis	111	3.7

45 - 54		
Cause of Death	Number	%
All Causes	6,116	100
Diseases of heart	2,345	38.3
Malignant neoplasms	1,325	21.7
Vascular lesions of central nervous system	464	7.6
Accidents	415	6.8
Tuberculosis	146	2.4

55 - 64		
Cause of Death	Number	%
All Causes	10,966	100
Diseases of heart	4,606	42.0
Malignant neoplasms	2,414	22.0
Vascular lesions of central nervous system	1,060	9.7
Accidents	445	4.1
Diabetes	327	3.0

65 & Over*		
Cause of Death	Number	%
All Causes	30,401	100
Diseases of heart	13,253	43.6
Vascular lesions of central nervous system	4,771	15.7
Malignant neoplasms	4,504	14.8
Arteriosclerosis	1,233	4.1
Accidents	1,051	3.5

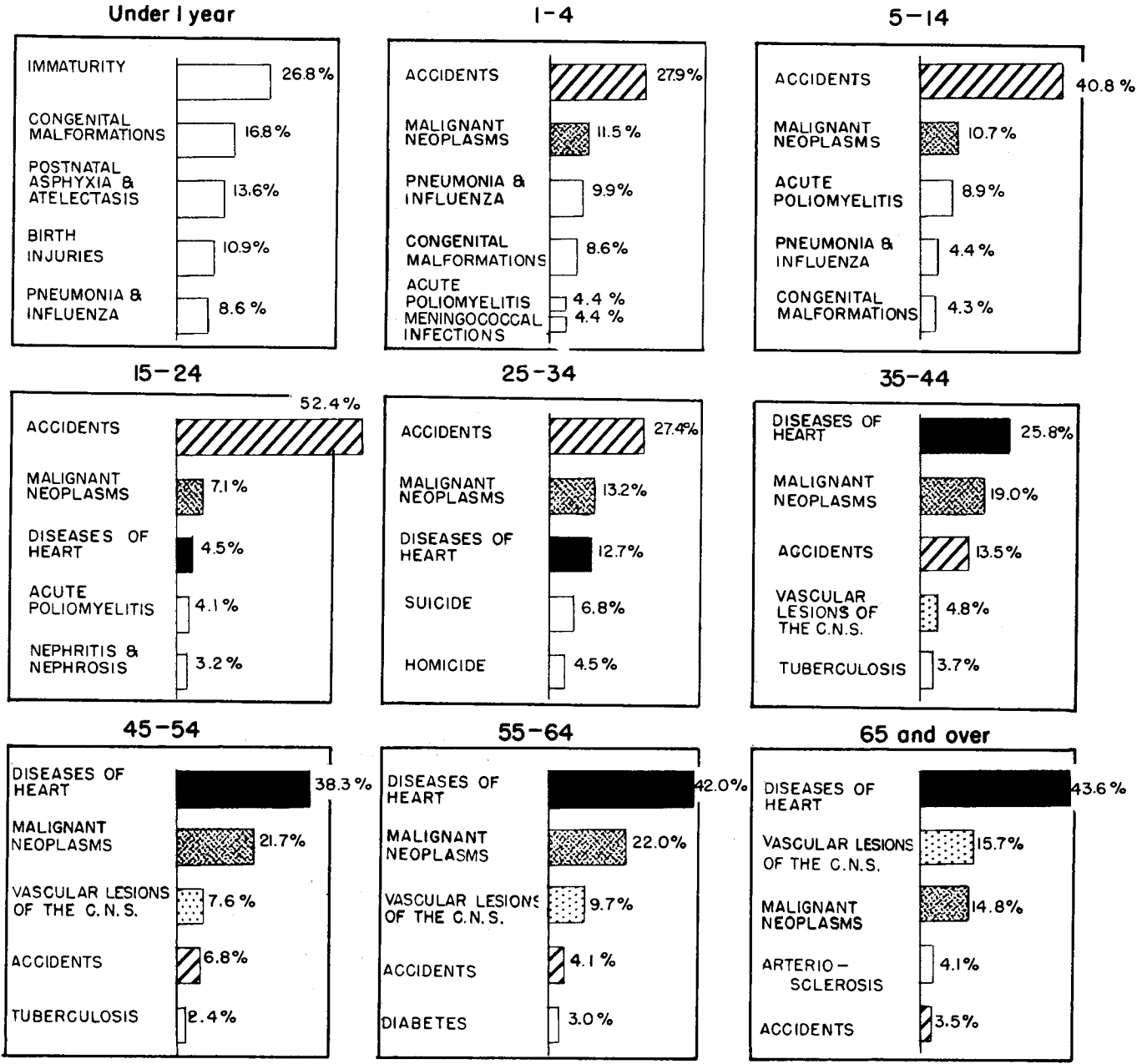
*Includes 16 deaths of unknown age.

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.

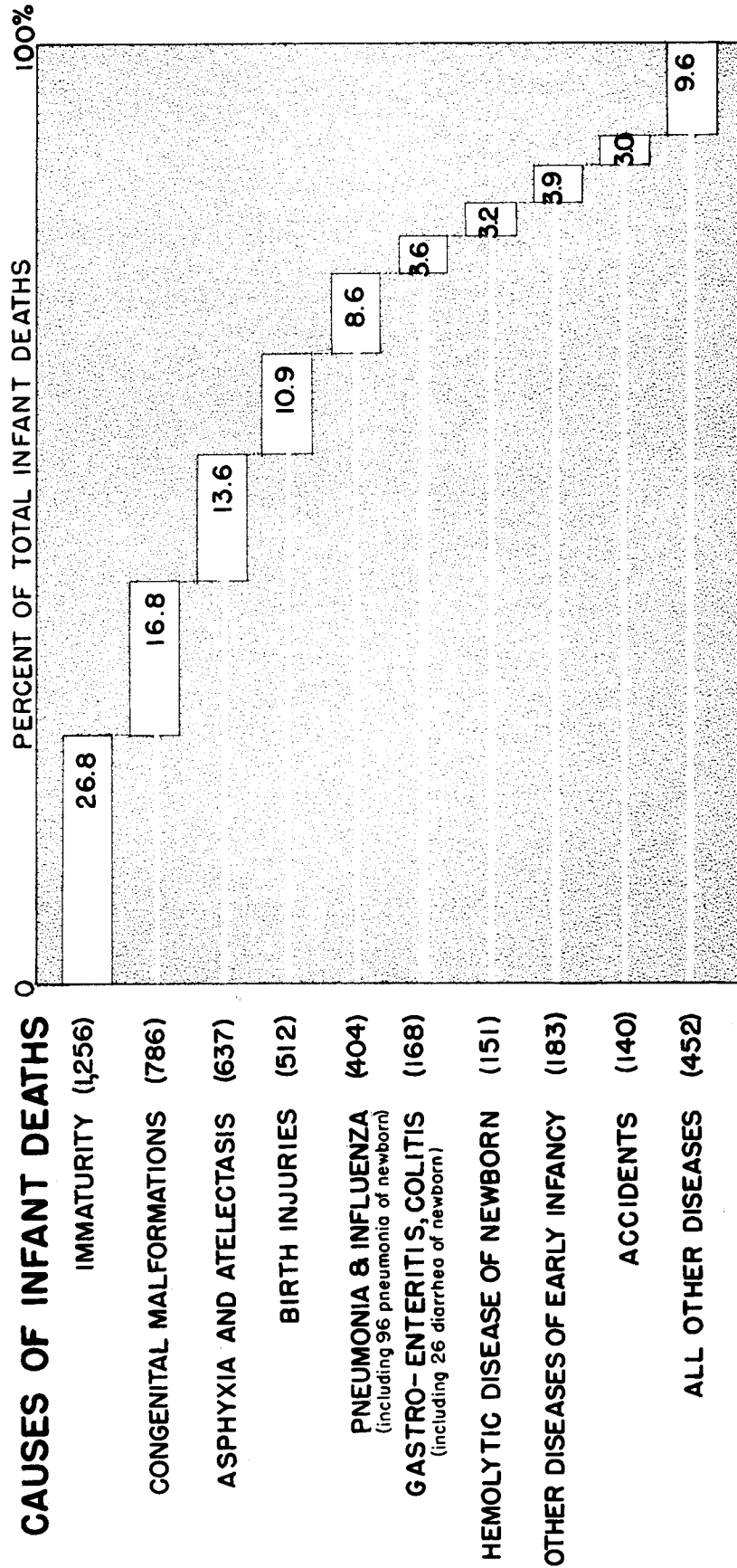
Accidents lead as a cause of death in all age groups under 35 years with the exception of infants under 1 year, and appear among the 5 leading causes in all age groups except the under 1 year group.

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

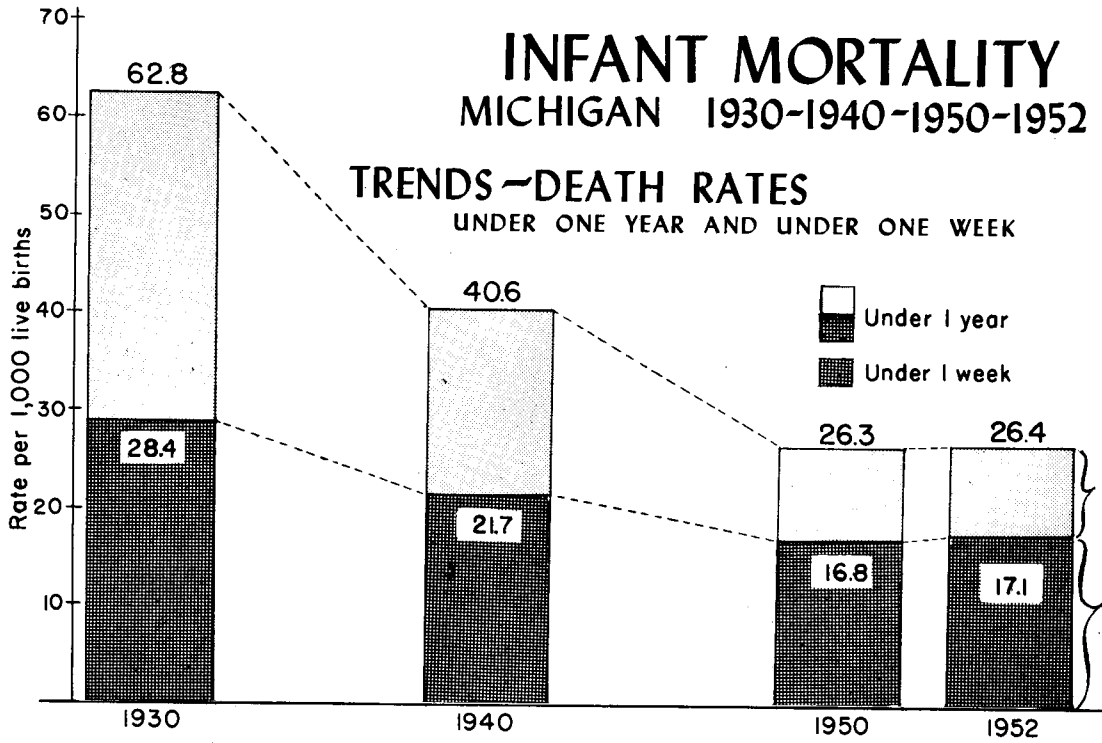
4,689 died under 1 year of age

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.

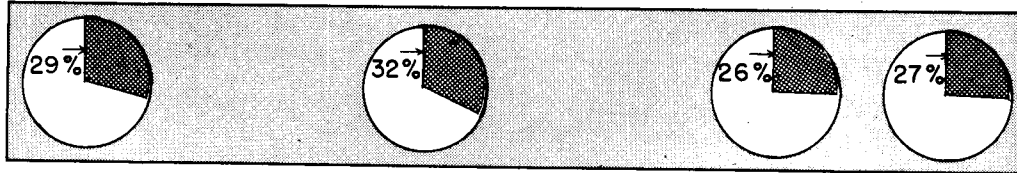
These four causes account for this large proportion of infant deaths, mainly because they are leading causes among infants dying under 1 week of age, the age group comprising 65% of all infant deaths.



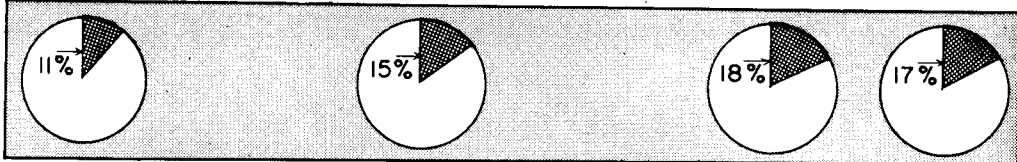
CERTAIN CAUSES OF INFANT DEATHS

IMMATURITY

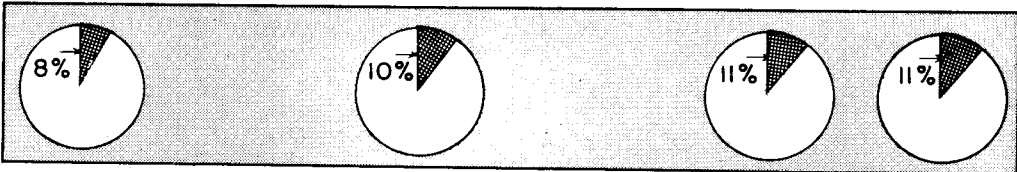
PERCENT OF INFANT DEATHS



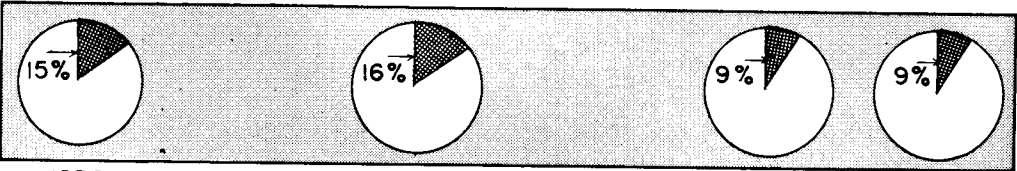
CONGENITAL MALFORMATIONS



BIRTH INJURY



PNEUMONIA AND INFLUENZA ★



★ Including pneumonia of newborn

THREE CAUSES LARGELY
RESPONSIBLE FOR THE
CONTINUED HIGH DEATH
RATE UNDER 1 WEEK

THIS DOWNWARD TREND
CONTRIBUTED TO THE
DECREASING DEATH RATE
FROM 1 WEEK TO 1 YEAR

TABLE 10 - DEATHS UNDER 5 YEARS BY CAUSE AND DETAILED AGE MICHIGAN, 1952

(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.	DAYS					MONTHS				YEARS																
		Under 5 Yrs	Under 1 Day		Under 1 Wk	Under 4 Wks	1	2	3	4	5	6	7	8	9	10	11	Under 1 Yr	1	2	3	4					
			1	2																			3-6				
ALL CAUSES		5,409	1,787	488	371	3,042	194	107	71	3,414	269	217	153	133	131	76	99	55	63	41	48	4,689	300	176	136	108	
TUBERCULOSIS, ALL FORMS	A 1-A 5	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	14	3	2	2	
Tuberculosis of respiratory system	A 1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	1	-	-	
Tuberculosis of meninges and central nervous system	A 2	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5	2	1	-	
Tuberculosis of bones and joints	A 4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	
Tuberculosis, all other forms	A 5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	1	2	
.																											
Congenital syphilis	A 6	2	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	1	-	-	
Dysentery, all forms	A16	6	-	-	-	-	1	1	2	4	3	2	-	-	-	-	-	-	-	-	-	16	5	1	1	-	
Septicemia and pyemia	A20	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diphtheria	A21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Whooping cough	A22	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meningococcal infections	A23	45	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acute poliomyelitis	A28	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acute infectious encephalitis	A29	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Measles	A32	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Infectious hepatitis	A34	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other diseases classified as infective and parasitic	A43	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	2	1	1	
MALIGNANT NEPLASMS, ALL FORMS	A44-A59	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	14	24	23	22	
Malignant neoplasm of prostate	A54	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasm of skin	A55	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasm of bone and connective tissue	A56	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malignant neoplasm of all other and unspecified sites	A57	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	14	5	6	
Leukemia and aleukemia	A58	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	6	17	15	
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system	A59	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1	
Benign neoplasms and neoplasms of unspecified nature	A60	14	4	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	3	1	
Nontoxic goiter	A61	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	-	-	
Diabetes mellitus	A63	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Avitaminosis and other deficiency states	A64	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anemias	A65	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	1	1	
Allergic disorders; all other endocrine, metabolic and blood diseases	A66	77	3	3	2	11	3	2	2	10	6	5	4	8	3	2	6	1	2	1	3	59	9	4	1	4	
Psychoneuroses and disorders of personality	A68	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2	1	2	-	
Mental deficiency	A69	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	3	2	1	-	
Vascular lesions affecting central nervous system	A70	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	9	5	1	-	
Nonmeningococcal meningitis	A71	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	-	
Epilepsy	A73	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1	1	-	-	
Otitis media and mastoiditis	A77	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other diseases of the nervous system and sense organs	A78	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	13	5	6	-	
Rheumatic fever	A79	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEART DISEASE, ALL FORMS	A80-A83	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	5	2	-	-	
Arteriosclerotic and degenerative heart disease	A81	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	-	
420 Arteriosclerotic heart disease, including coronary disease																											
421-422 Nonrheumatic chronic endocarditis & other myocardial degeneration																											
Other diseases of heart	A82	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	
.																											
Diseases of arteries	A85	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
451-456 Other diseases of arteries																											
Other diseases of circulatory system	A86	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	4	2	4	-	
Acute upper respiratory infections	A87	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	4	-	-	-	
Influenza	A88	26	1	-	-	1	1	-	-	2	1	1	2	2	1	2	2	1	3	1	3	20	4	-	-	2	
.																											
Diseases of pneumonia	A89-A91	353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	288	41	14	10	-	
Lobar pneumonia	A89	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	8	3	3	-	
Bronchopneumonia	A90	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	18	6	5	-	
Primary atypical, other and unspecified pneumonia	A91	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	15	5	2	-	

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

CAUSE OF DEATH	Int. List No.	Under 5 Yrs		Under 1 Day		DAYS			Under 4 Wks		MONTHS												YEARS				
		Under 5 Yrs	Under 1 Day	1-6		7-13		14-20		21-27		Under 1 Yr	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4
				1	2	3-6	1	2	3	4	5																
Acute bronchitis	A 92	19	-	-	-	1	-	-	1	-	1	2	2	1	4	3	1	1	1	1	1	1	13	3	2	1	-
Bronchitis, chronic and unqualified	A 93	38	-	-	-	1	-	-	1	-	3	9	6	2	3	3	1	2	1	1	1	1	31	2	1	2	2
Hypertrophy of tonsils and adenoids	A 94	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas and abscess of lung	A 95	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pleurisy	A 96	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other respiratory diseases	A 97	45	2	-	-	2	-	-	1	-	6	5	4	6	2	1	3	1	1	1	1	37	4	3	1	-	-
Ulcer of stomach	A 99	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Ulcer of duodenum	A 100	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
Gastritis and duodenitis	A 101	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Appendicitis	A 102	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
Intestinal obstruction and hernia	A 103	46	10	2	5	1	18	-	-	-	27	2	4	3	1	3	1	1	-	-	-	43	1	2	-	-	-
Gastro-enteritis and colitis, except diarrhea of the newborn	A 104	166	-	-	-	-	-	-	-	-	-	22	20	19	18	6	10	4	8	10	6	141	17	3	5	-	-
Cirrhosis of liver	A 105	3	1	-	-	-	-	-	-	-	1	1	1	4	1	-	-	-	-	-	-	3	7	1	1	-	-
Other diseases of digestive system	A 107	27	-	-	-	-	-	-	-	-	3	2	1	4	1	-	-	-	-	-	-	18	7	1	1	-	-
NEPHRITIS & NEPHROSIS, ALL FORMS	A 108-A 109	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	1	3	1	-
Acute nephritis	A 108	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Chronic, other and unspecified nephritis	A 109	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
591 Nephritis with edema, including nephrosis	A 110	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
592-594 Chronic & unspecified nephritis & other renal sclerosis	A 111	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Infections of kidney	A 112	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Other diseases of genito-urinary system	A 114	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Infections of skin and subcutaneous tissue	A 121	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-
All other diseases of skin and musculoskeletal system	A 126	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
CONGENITAL MALFORMATIONS, ALL FORMS	A 127-A 129	848	196	49	51	67	383	55	42	21	79	50	33	24	29	15	18	9	15	6	7	786	34	11	10	7	-
Spina bifida and meningocele	A 127	92	15	6	4	9	34	6	10	6	10	8	4	3	3	3	2	1	2	1	1	67	4	1	-	-	
Congenital malformations of circulatory system	A 128	395	43	32	37	52	164	27	19	13	44	28	18	12	13	8	9	5	3	5	3	367	14	5	4	5	
All other congenital malformations	A 129	361	138	11	10	26	165	22	13	8	23	25	14	11	9	13	4	7	4	9	1	332	16	5	6	2	
Birth injuries	A 130	512	299	83	54	41	477	15	9	3	504	5	1	-	-	-	-	-	-	-	-	512	-	-	-	-	
Postnatal asphyxia and atelectasis	A 131	637	337	122	91	56	606	15	5	5	631	3	3	-	-	-	-	-	-	-	-	637	-	-	-	-	
Infections of the newborn	A 132	134	10	14	13	21	58	33	25	16	132	1	1	-	-	-	-	-	-	-	-	134	-	-	-	-	
763 Pneumonia of newborn	A 132	26	9	14	12	15	50	19	18	9	96	1	1	-	-	-	-	-	-	-	-	96	-	-	-	-	
764 Diarrhea of newborn	A 132	12	1	-	-	1	7	11	7	5	24	1	1	-	-	-	-	-	-	-	-	26	-	-	-	-	
765-768 Other infections of newborn	A 132	12	1	-	-	1	7	11	7	5	24	1	1	-	-	-	-	-	-	-	-	26	-	-	-	-	
Hemolytic disease of newborn	A 133	151	56	12	24	52	144	1	2	1	148	1	1	-	-	-	-	-	-	-	-	151	-	-	-	-	
All other defined diseases of early infancy	A 134	107	38	11	15	12	76	3	2	4	85	5	6	-	-	-	-	-	-	-	-	107	-	-	-	-	
Ill-defined diseases peculiar to early infancy, and immaturity unqualified	A 135	1,320	622	187	109	115	1,233	49	8	5	1,295	13	2	1	4	1	2	2	-	-	-	1,320	-	-	-	-	
773 Ill-defined diseases	A 135	64	40	7	5	3	55	2	-	-	57	3	1	1	1	1	1	1	-	-	-	64	-	-	-	-	
774-776 Immaturity	A 135	1,256	782	180	104	112	1,178	47	8	5	1,256	10	2	1	1	1	1	1	-	-	-	1,256	-	-	-	-	
Ill-defined and unknown causes of mortality	A 137	22	3	1	1	2	7	-	-	-	7	3	3	1	-	-	-	-	-	-	-	22	-	-	-	-	
ACCIDENTS, ALL FORMS	AE138-AE147	341	1	3	2	1	7	1	3	5	16	25	28	13	12	11	7	7	6	3	6	140	61	60	35	45	
Motor vehicle accidents	AE138	76	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	1	1	1	13	8	23	14	18	
Other transport accidents	AE139	5	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	-	
Accidental poisoning	AE140	13	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	6	4	-	
Accidental falls	AE141	19	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	7	1	3	4	4	
Accident caused by machinery	AE142	4	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	-	
Accident caused by fire and explosion of combustible material	AE143	46	-	-	-	-	-	-	-	-	2	1	1	1	1	1	1	1	1	1	1	8	10	9	6	13	
Accident caused by hot substance, corrosive liquid, steam, and radiation	AE144	18	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	10	5	1	1	
Accident caused by firearm	AE145	2	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
Accidental drowning and submersion	AE146	31	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	
All other accidental causes	AE147	127	1	2	2	1	6	1	3	4	14	24	28	11	8	9	3	3	2	1	3	109	8	3	3	4	
Homicide and injury purposely inflicted by other persons (not in war)	AE149	7	2	-	1	-	3	-	-	-	3	-	2	-	-	-	-	-	-	-	-	5	1	-	-	1	

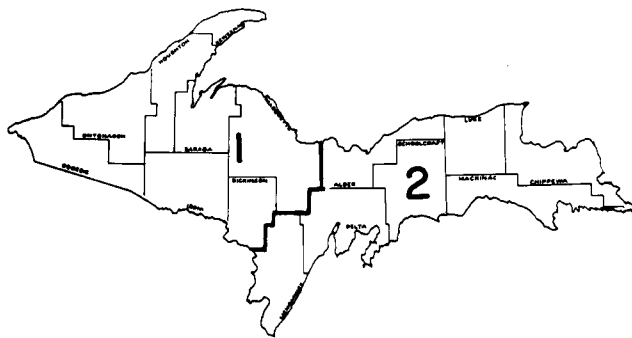
TABLE 11 - DEATHS UNDER 5 YEARS BY DETAILED AGE AND RESIDENCE (continued)

AREA	Under 5 Yrs	Under 1 Day	D A Y S			Under 1 Wk	D A Y S			Under 4 Mks	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	-	-	-	-	1	-	-	-	-	-	-	-	-	5	-	1	-	-	-		
Mackinac rural	6	2	-	-	-	4	-	-	-	1	1	1	1	-	1	-	-	-	-	-	-	-	-	5	-	-	-	-	-		
St. Ignace	5	2	-	1	1	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-		
Macomb rural	89	25	4	8	8	45	9	1	-	55	7	4	3	1	2	-	-	1	2	-	-	-	77	3	4	1	4	-			
Mt. Clemens	36	10	2	3	2	17	-	-	-	17	6	3	2	-	2	-	-	2	-	-	-	-	32	7	1	1	1	-			
Centerline	11	2	-	3	-	5	-	-	-	10	2	-	1	-	-	-	-	-	-	-	-	-	7	2	2	-	-	-			
East Detroit	21	4	1	1	2	8	1	1	-	10	2	-	-	1	-	-	-	1	-	-	-	-	14	5	-	1	1	-			
Roseville	26	10	1	4	2	17	1	-	-	18	4	-	2	-	1	-	-	1	-	-	-	-	26	-	-	-	-	-			
Romeo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
St. Clair Shores	17	8	1	1	1	11	-	1	-	12	1	1	1	-	-	-	-	-	-	-	-	-	15	-	1	-	-	1	-		
Manistee rural	6	1	-	-	-	1	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-		
Manistee	8	1	1	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	5	2	2	1	1	-	-		
Marquette rural	5	1	1	-	-	2	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-		
Ishpeming	7	3	-	1	-	4	1	1	-	6	-	-	-	-	1	-	-	-	-	-	-	-	6	-	-	-	-	-	-		
Marquette	13	7	1	1	-	9	-	-	-	9	-	-	1	-	-	-	-	1	-	-	-	-	11	1	1	-	-	-	-		
Negaunee	4	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3	3	1	-	-	-	-		
Mason rural	7	1	1	-	-	2	-	-	-	2	-	-	-	1	-	-	1	1	-	-	-	-	5	5	2	-	-	-	-		
Ludington	8	4	-	3	-	7	-	-	-	7	-	-	-	-	-	-	1	-	-	-	-	-	8	8	-	-	-	-	-		
Mecosta rural	8	1	-	1	1	3	-	-	-	3	2	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-		
Big Rapids	6	2	-	-	-	2	-	-	-	2	-	1	1	1	-	-	-	1	-	-	-	-	5	5	-	-	-	-	-		
Menominee rural	8	1	-	-	-	1	-	-	-	1	1	1	-	-	-	-	1	1	-	-	-	-	5	5	-	-	-	-	-		
Menominee	10	4	1	-	3	8	1	-	-	9	1	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-		
Midland rural	13	1	-	2	1	4	-	-	-	4	-	1	-	1	1	-	-	-	-	-	-	-	9	2	1	1	-	-	-		
Midland	13	6	2	2	1	11	-	-	1	12	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-		
Missaukee	5	1	-	-	1	2	1	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	4	-	-	-	-	-	-		
Monroe rural	43	13	6	3	1	23	1	-	-	24	1	3	2	1	-	-	-	1	1	1	1	1	34	6	1	-	-	-	-		
Monroe	24	9	1	1	1	12	2	-	1	15	2	-	1	-	1	-	-	-	-	-	-	-	21	1	-	-	-	-	-		
Milan (part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Montcalm rural	15	4	1	-	2	7	1	-	-	8	-	-	3	1	-	-	-	-	-	-	-	-	12	1	-	-	-	-	-		
Greenville	7	3	-	1	-	4	-	-	-	4	1	-	2	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-		
Montmorency	3	1	1	-	-	2	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	3	-	-	-	-	-	-		
Muskegon rural	59	17	6	5	1	29	3	1	2	35	2	3	-	4	3	2	-	1	1	2	-	52	2	1	2	2	-	-	-		
Muskegon	46	12	2	3	4	21	3	3	2	29	2	-	2	3	3	-	1	1	1	1	2	42	2	2	1	-	-	-	-		
Muskegon Hts.	25	9	2	-	2	13	2	-	1	16	-	2	-	-	-	-	1	-	1	2	1	22	2	2	3	-	-	-	-		
Newaygo rural	21	3	-	2	1	6	-	1	-	7	2	-	-	-	-	-	1	-	1	2	1	14	2	2	3	-	-	-	-		
Fremont	2	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	
Oakland rural	160	65	11	7	10	93	4	5	2	104	3	4	1	5	7	2	3	2	3	1	-	135	7	6	9	3	-	-	-		
Birmingham	23	12	2	2	1	17	-	-	-	17	1	1	-	-	1	-	-	-	-	-	-	22	1	1	-	-	-	-	-		
Ferndale	31	9	5	1	1	16	2	-	1	19	1	2	-	2	3	-	-	-	-	-	-	27	2	1	-	-	-	-	-		
Pontiac	80	20	8	2	11	41	3	2	-	46	10	2	1	2	3	1	2	1	2	-	-	70	5	2	3	-	-	-	-		
Rochester	5	2	-	1	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	
Berkley	18	8	4	-	-	12	-	-	-	12	-	1	2	-	-	-	1	-	1	-	-	16	3	-	-	-	-	-	-	-	
Clawson	4	-	-	2	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	
Pleasant Ridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Royal Oak	51	23	5	2	2	32	-	1	-	33	1	5	-	-	1	1	-	1	-	-	-	41	2	3	2	3	-	-	-	-	
Hazel Park	35	15	2	1	1	19	1	1	1	22	-	1	1	1	1	1	-	1	1	-	-	28	3	1	3	-	-	-	-	-	
Holly	4	-	1	-	-	1	-	-	-	2	1	-	1	-	1	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	
Huntington Woods	6	3	1	-	-	4	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	5	1	-	-	-	-	-	-	-	
Northville (part)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oak Park	13	6	1	1	1	8	-	-	-	9	-	-	1	-	-	-	-	-	-	-	-	11	1	2	-	-	-	-	-	-	
Oceana	12	4	2	1	1	8	-	-	-	6	-	-	1	-	-	-	1	-	-	-	-	10	1	1	-	-	-	-	-	-	
Ogemaw	7	1	2	-	1	5	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	11	2	-	-	-	-	-	-	-	
Ontonagon	3	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7	2	-	-	-	-	-	-	-	
Osceola	14	5	1	1	-	7	-	-	-	1	1	1	1	-	1	-	-	1	-	-	-	13	1	-	-	-	-	-	-	-	
Oscoda	2	-	1	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	
Otsego	3	1	-	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	
Ottawa rural	28	8	5	4	2	19	1	-	-	20	-	-	1	1	1	-	1	1	1	-	-	25	1	1	2	-	-	-	-	-	
Grand Haven	5	1	-	1	-	2	-	-	-	2	-	-	1	1	1	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	
Holland	6	2	-	-	1	3	-	-	-	3	-	-	1	1	1	-	-	-	-	-	-	5	1	-	-	-	-	-	-	-	
Zeeland	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Presque Isle rural	5	2	1	1	-	4	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	
Rogers City	9	4	4	-	1	9	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	
Roscommon	3	1	-	1	1	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
Saginaw rural	71	27	4	4	7	42	1	-	1	44	3	6	2	4	-	1	-	-	-	-	-	61	3	2	1	4	-	-	-	-	
Saginaw	78	25	6	8	7	46	1	1	2	50	4	3	4	3	2	-	2	2	1	1	2	74	1	1	-	-	-	-	-	-	
Sanilac	29	3	2	2	1	8	3	-	2	13	2	3	1	1	-	2	-	-	-	-	-	25	1	2	-	-	-	-	-	-	
Schoolcraft rural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manistique	4	2	-	-	-	2	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
Shiawassee rural	21	8	1	-	2</																										

POPULATION CHANGES BY ECONOMIC AREAS

PERCENTAGE DISTRIBUTION

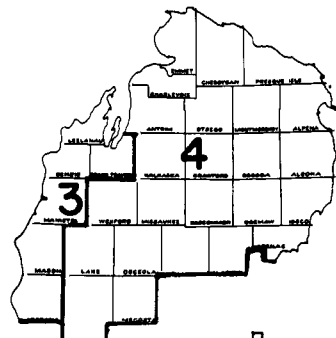
MICHIGAN 1930, 1940, 1950, 1952



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

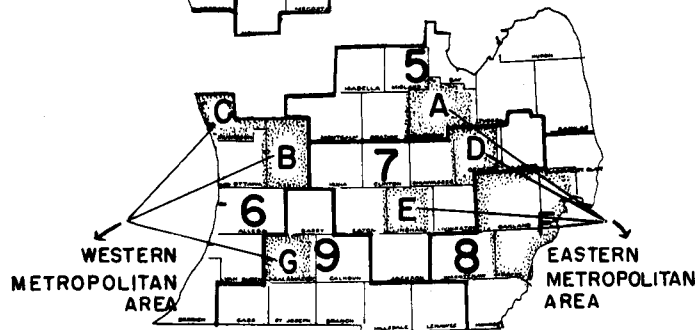
LOWER PENINSULA



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

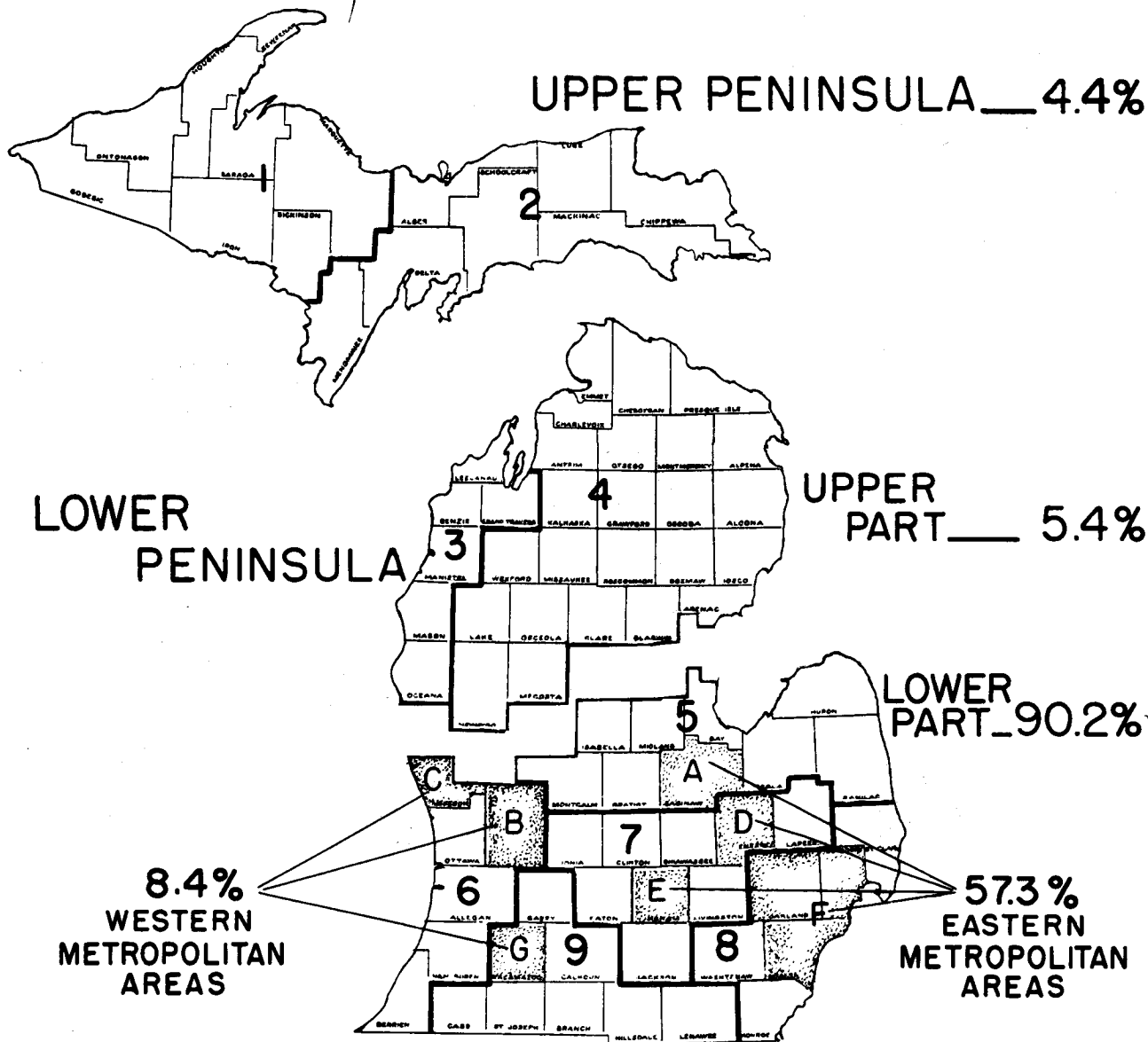


	1930	1940	1950	1952
TOTAL	87.2	87.5	89.6	90.2
Area 5, A	7.8	7.9	7.4	7.3
Area 6, B, C	11.0	10.8	10.8	10.9
Area 7, D, E	12.4	12.2	12.1	12.1
Area 8, F	48.7	49.4	52.0	52.5
Area 9, G	7.3	7.2	7.3	7.4
* * * * *				
Metropolitan Areas	62.9	62.9	65.1	65.7
A	2.5	2.5	2.4	2.4
B	5.0	4.7	4.5	4.5
C	1.7	1.8	1.9	1.9
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?

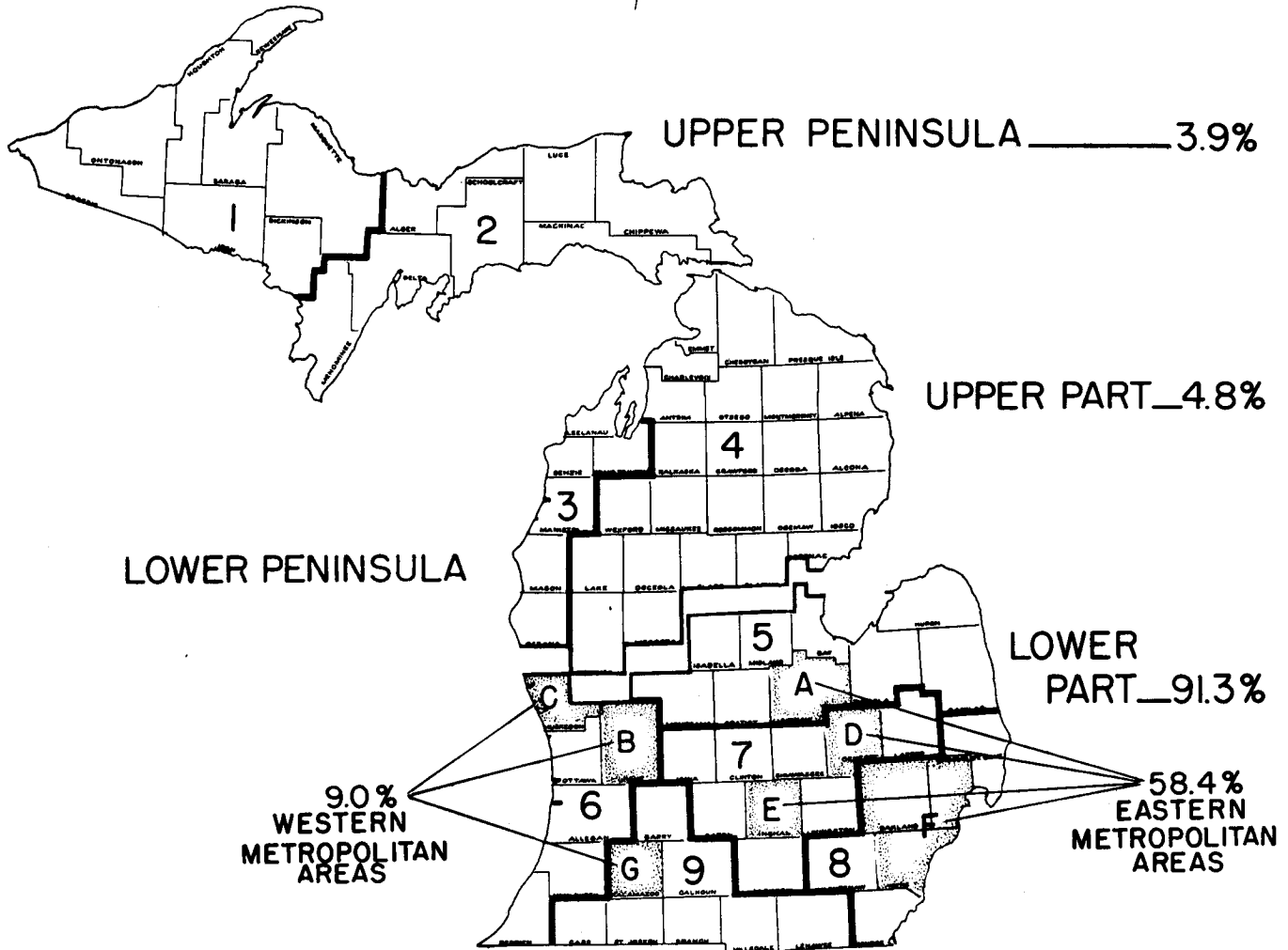


metropolitan_65.7%
non-metropolitan_24.5%

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.

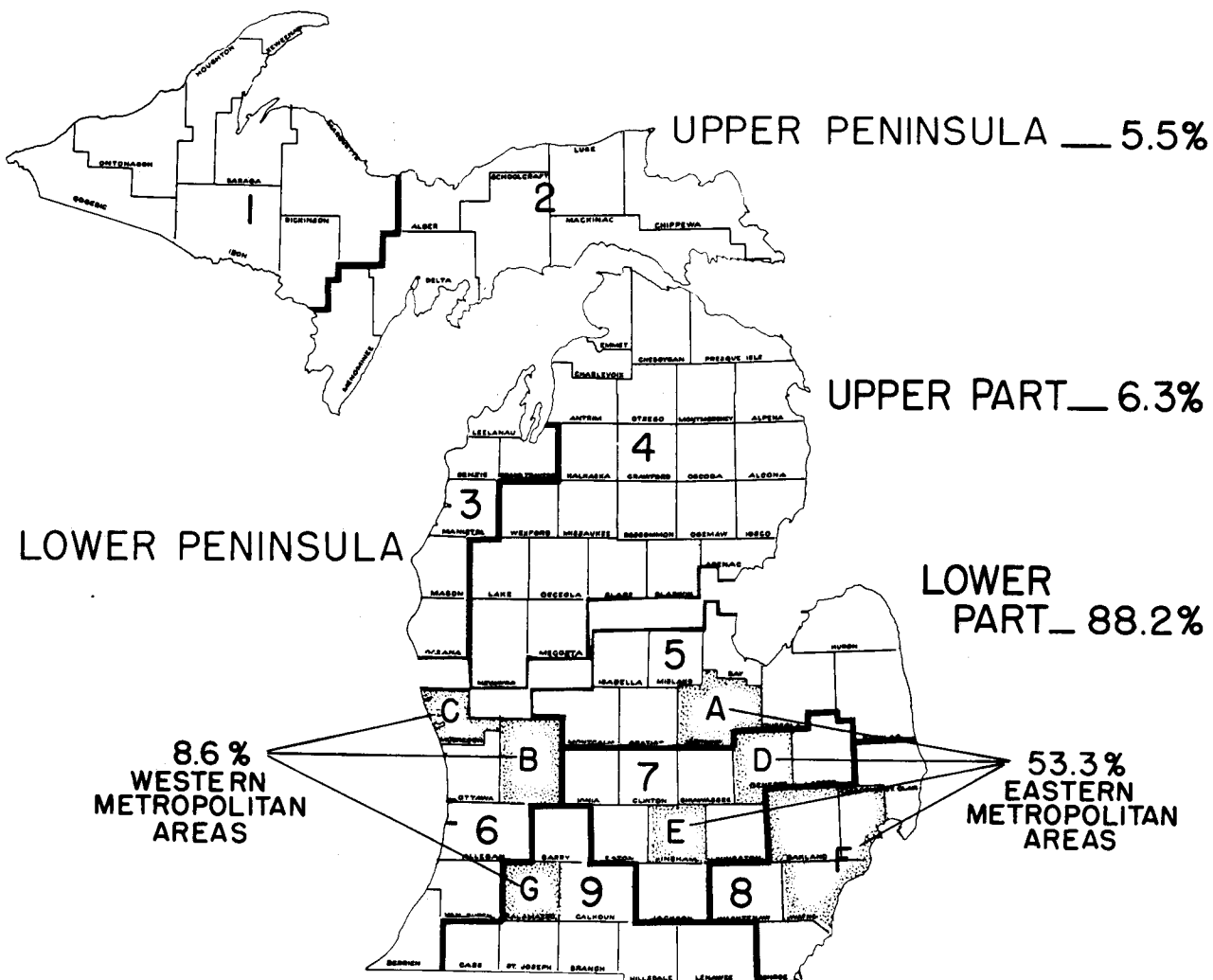
	Population	Births
Upper Peninsula	4.4	3.9
Lower Peninsula		
Upper Part	5.4	4.8
Lower Part	90.2	91.3

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	O C C U R R E N C E				R E S I D E N C E								MARRIAGES		DIVORCES*			
		Live Births		Deaths		Live Births Number Rate	Deaths				Neonatal Number Rate	Maternal Number Rate	Number	Rate Persons Married	Number	Rate Persons Divorced			
		Number	Rate	Number	Rate		All Ages Number Rate	Infant Number Rate	Number	Rate									
STATE	6,708,000	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	50,487	15.1	14,925	4.4
Alcona	5,540	85	15.3	49	8.8	112	20.2	63	11.4	-	0	-	0	-	0	40	14.4	4	1.4
Alger	9,160	153	16.7	57	6.2	233	25.4	87	9.5	5	21.5	3	12.9	-	0	63	13.8	-	0
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	306	12.4	65	2.6
Alpena	22,400	751	33.5	214	9.6	596	26.6	203	9.1	17	28.5	11	18.5	-	0	190	17.0	18	1.6
Antrim	10,240	121	11.8	105	10.3	225	22.0	121	11.8	4	17.8	2	8.9	-	0	77	15.0	20	3.9
Arenac	9,890	185	18.7	101	10.2	217	21.9	107	10.8	6	27.6	5	23.0	-	0	59	11.9	13	2.6
Baraga	7,600	57	7.5	59	7.8	147	19.3	87	11.4	-	0	-	0	-	0	45	11.8	4	1.1
Barry	27,890	624	22.4	291	10.4	666	24.6	326	11.7	15	21.9	12	17.5	1	14.6	162	11.6	57	4.1
Bay	91,890	2,731	29.7	902	9.8	2,619	28.5	899	9.8	81	30.9	56	21.4	3	11.5	752	16.4	178	3.9
Benzie	8,100	197	24.3	74	9.1	151	18.6	78	9.6	2	13.2	1	6.6	-	0	59	14.6	14	3.5
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	3.0	1,072	16.6	329	5.1
Branch	32,250	676	21.0	360	11.2	693	21.5	357	11.1	17	24.5	10	14.4	-	0	161	10.0	98	6.1
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	2.9	1,045	15.6	491	7.3
Cass	30,610	332	10.8	287	9.4	570	18.6	331	10.8	22	38.6	15	26.3	1	17.5	183	12.0	61	4.0
Charlevoix	12,670	193	15.2	153	12.1	290	22.9	175	13.8	6	20.7	4	13.8	-	0	105	16.6	15	2.4
Cheboygan	13,070	366	28.0	136	10.4	350	26.8	134	10.3	6	17.1	5	14.3	-	0	103	15.8	11	1.7
Chippewa	29,570	881	29.8	276	9.3	838	28.3	293	9.9	26	31.0	19	22.7	-	0	302	20.4	42	2.8
Clare	10,200	185	18.1	110	10.8	254	24.9	113	11.1	3	11.8	3	11.8	-	0	96	18.8	-	0
Clinton	31,860	667	20.9	274	8.6	899	28.2	297	9.3	23	25.6	16	17.8	-	0	167	10.5	43	2.7
Crawford	4,160	206	49.5	75	18.0	95	22.8	49	11.8	4	42.1	2	21.1	-	0	39	18.7	13	6.2
Delta	32,260	931	28.9	337	10.4	909	28.2	370	11.5	28	30.8	20	22.0	1	11.0	245	15.2	38	2.4
Dickinson	23,670	669	28.3	325	13.7	540	22.8	260	11.0	9	16.7	8	14.8	-	0	262	22.1	35	3.0
Eaton	42,060	563	13.4	319	7.6	1,124	26.7	424	10.1	28	24.9	19	16.9	1	8.9	245	11.7	84	4.0
Emmet	15,920	637	40.0	206	12.9	421	26.4	145	9.1	5	11.9	4	9.5	-	0	99	12.4	12	1.5
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	2,178	15.1	920	6.4
Gladwin	9,500	193	20.3	86	9.1	244	25.7	89	9.4	7	28.7	4	16.4	-	0	75	15.8	7	1.5
Gogebic	26,600	733	27.6	335	12.6	534	20.1	308	11.6	12	22.5	10	18.7	1	18.7	228	17.1	47	3.5
Grand Traverse	29,820	1,097	36.8	588	19.7	759	25.5	306	8.9	19	25.0	17	22.4	-	0	308	20.7	49	3.3
Gratiot	34,290	782	22.8	364	10.6	960	28.0	381	11.1	21	21.9	14	14.6	1	10.4	259	15.1	33	1.9
Hillsdale	32,570	548	16.8	310	9.5	749	23.0	345	10.6	22	29.4	17	22.7	-	0	186	11.4	61	3.7
Houghton	38,580	873	22.6	554	14.4	759	19.7	551	14.3	26	34.3	16	21.1	-	0	245	12.7	31	1.6
Huron	33,590	952	28.3	315	9.4	948	28.2	346	10.3	26	27.4	17	17.9	-	0	255	15.2	31	1.8
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	2.1	1,580	17.0	642	6.9
Ionia	37,940	465	12.3	315	8.3	908	23.9	397	10.5	30	33.0	22	24.2	-	0	236	12.2	89	4.7
Iosco	12,250	145	11.8	70	5.7	297	24.2	105	8.6	8	26.9	6	20.2	-	0	86	14.0	19	3.1
Iron	17,830	421	23.6	186	10.4	379	21.3	200	11.2	12	31.7	8	21.1	-	0	148	16.6	18	2.0
Isabella	29,580	865	29.2	225	7.6	790	26.7	251	8.5	25	31.6	19	24.1	-	0	245	16.6	27	1.8
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	3	10.6	817	14.6	381	6.8
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	4	11.1	957	14.3	417	6.2
Kalkaska	4,510	14	3.1	20	4.4	88	19.5	49	10.9	5	56.8	3	34.1	-	0	28	12.4	5	2.2
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	4	4.7	2,486	16.4	733	4.8
Keweenaw	2,870	-	0	17	5.9	42	14.6	37	12.9	2	47.6	2	47.6	-	0	17	11.8	4	2.8
Lake	4,830	28	5.8	47	9.7	89	18.4	73	15.1	1	11.2	1	11.2	-	0	43	17.8	-	0
Lapeer	37,790	396	10.5	303	8.0	821	21.7	344	9.1	18	21.9	12	14.6	1	12.2	252	13.3	68	3.6
Leelanau	8,910	32	3.6	55	6.2	217	24.4	83	9.3	3	13.8	1	4.6	-	0	50	11.2	7	1.6
Lenawee	68,420	1,947	28.5	624	9.1	1,804	26.4	729	10.7	50	27.7	36	20.0	3	16.6	416	12.2	164	4.8
Livingston	28,140	465	16.5	294	10.4	654	23.2	316	11.2	17	26.0	14	21.4	-	0	176	12.5	55	3.9
Luce	7,460	171	22.9	194	26.0	141	18.9	58	7.8	7	49.6	6	42.6	-	0	52	13.9	-	0
Mackinac	9,030	62	6.9	54	6.0	244	27.0	93	10.3	10	41.0	5	20.5	-	0	80	17.7	16	3.5
Manistee	208,030	3,274	15.7	1,163	5.6	6,752	32.3	1,432	6.9	171	25.3	117	17.3	1	1.5	1,334	12.8	533	5.1
Marquette	18,200	348	19.1	193	10.6	416	22.9	214	11.8	7	16.8	3	7.2	-	0	123	13.5	2	0.2
Marquette	48,520	1,220	25.1	487	10.0	1,146	23.6	468	9.6	25	21.8	20	17.5	-	0	398	16.4	61	2.5
Mason	20,460	454	22.2	165	8.1	466	22.8	196	9.6	13	27.9	9	19.3	-	0	155	15.2	45	4.4
Mecosta	18,820	333	17.7	209	11.1	421	22.4	221	11.7	11	26.1	5	11.9	1	23.8	134	14.2	22	2.3
Menominee	25,060	648	25.9	266	10.6	589	23.5	257	10.3	15	25.5	10	17.0	-	0	210	16.8	19	1.5
Midland	38,390	1,180	30.7	198	5.2	1,200	31.3	210	5.5	21	17.5	16	13.3	1	8.3	284	14.8	63	3.3
Missaukee	7,370	18	2.4	35	4.7	166	22.5	74	10.0	4	24.1	3	18.1	-	0	64	17.4	1	0.3
Monroe	81,740	1,638	20.0	516	6.3	2,236	27.4	625	7.6	55	24.6	39	17.4	2	8.9	893	21.8	97	2.4
Montcalm	31,920	1,187	37.2	388	12.2	768	24.1	390	12.2	19	24.7	12	15.6	1	13.0	255	16.0	70	4.4
Montmorency	4,090	11	2.7	19	4.6	85	20.8	29	7.1	3	35.3	2	23.5	-	0	27	13.2	1	0.5
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	2.6	1,058	16.4	314	4.9
Newaygo	22,770	580	25.5	210	9.2	564	24.8	222	9.7	15									

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH, NUMBER BORN IN PLURAL BIRTHS, SEX, COLOR, ILLEGITIMACY, AND FETAL DEATHS BY PLACE OF RESIDENCE: DEATHS, DEATHS UNDER 1 YEAR, DEATHS UNDER 28 DAYS, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION, MICHIGAN, 1952

AREA	O C C U R R E N C E										R E S I D E N C E													
	Live Births					Deaths					Live Births					Deaths								
	Population Estimates July 1, 1952	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate			
STATE	6,708,000	176,635	26.3	59,034	8.8	177,602	233	174,851	2,667	97	91,241	86,594	161,306	16,529	4,513	3,224	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	2	102	10	-	48	64	112	-	-	63	11.4	-	0	-	-	-	-	-
Alcona rural	5,140	149	28.8	23	4.5	110	2	110	3	-	50	63	113	-	-	47	9.1	-	0	-	-	-	-	
Alcona city	4,020	103	2.7	260	6.9	963	15	120	10	-	57	63	120	-	-	40	10.0	-	0	-	-	-	-	
Alcona town	37,530	517	1.4	16.5	122	24.5	1	120	15	2	487	483	959	11	15	358	9.5	20	30.6	14	25.0	1	10.3	
Alcona village	4,970	517	10.4	0.2	116	28.0	2	114	2	-	69	53	119	3	3	68	13.7	2	31.4	1	32.8	-	-	
Alcona hamlet	4,150	2	0.5	21	5.1	116	2	114	2	-	53	63	116	-	-	36	8.7	2	11.0	1	32.8	-	-	
Alcona township	2,860	383	13.9	76	26.6	76	-	75	-	-	45	31	76	-	-	40	14.0	2	57.2	4	52.9	-	-	
Alcona precinct	9,150	1	0.1	37	4.0	246	26.4	245	1	-	131	115	245	-	-	69	7.5	3	12.2	3	12.2	-	-	
Alcona township	13,250	750	56.6	177	13.4	350	348	348	1	-	161	189	350	-	-	134	10.3	14	42.2	9	42.2	-	-	
Alcona village	10,240	121	11.8	105	10.3	223	22	207	16	-	119	106	222	3	6	121	11.8	14	17.8	4	17.8	-	-	
Alcona township	9,890	185	18.7	101	10.2	216	21	211	5	1	111	106	216	1	2	107	10.8	6	21.6	5	23.0	-	-	
Alcona township	21,390	57	7.5	59	7.8	145	2	133	14	-	75	72	138	9	12	87	11.5	6	27.0	6	27.0	-	-	
Alcona township	6,500	619	95.2	172	26.5	520	2	516	6	-	256	266	521	-	-	245	11.5	12	23.0	9	17.2	-	-	
Alcona township	34,060	36	1.1	187	5.5	1,001	3	972	32	-	524	480	1,003	-	-	81	12.5	13	18.3	11	11.0	-	-	
Alcona township	54,470	2,694	49.5	702	12.9	1,513	29	1,101	31	-	772	741	1,494	19	33	26	61.3	61	42.3	41	29.1	2	196.1	
Alcona township	8,100	197	24.3	74	9.1	151	18.6	148	12	1	68	83	150	1	3	29	8.0	2	13.2	1	6.6	-	-	
Alcona township	75,930	8,100	10.7	572	7.5	1,826	23	1,788	59	2	961	898	1,774	-	-	25	60.7	39	21.1	25	13.5	-	-	
Alcona township	21,220	1,207	56.9	259	12.2	621	2	618	4	1	321	302	626	117	20	8	249	11.7	25	40.1	19	30.5	-	-
Alcona township	14,750	983	66.6	159	10.8	462	31	461	1	-	234	226	448	14	3	7	126	8.3	7	8.7	7	8.7	-	-
Alcona township	11,350	609	53.7	141	12.4	271	1	271	-	-	139	132	270	13	3	7	106	9.3	7	25.0	7	25.0	-	-
Alcona township	5,820	1	0.2	18	3.1	146	25.1	146	2	-	75	71	133	13	1	2	250	10.9	9	19.2	4	8.5	-	-
Alcona township	23,030	667	72.3	163	17.7	225	1	223	2	-	218	250	468	-	-	107	11.0	8	35.6	6	26.7	-	-	
Alcona township	9,220	3	0.1	32	5.4	1,531	-	1,522	8	1	769	762	1,501	-	-	20	433	7.0	32	20.9	22	14.4	-	-
Alcona township	61,930	115	0.4	333	5.4	276	24.7	275	1	-	132	144	219	-	-	8	102	8.9	32	10.9	22	14.4	-	-
Alcona township	53,900	3,251	60.3	737	13.7	1,501	27.8	1,496	4	1	754	747	1,322	179	53	26	522	9.7	43	28.6	28	16.7	-	-
Alcona township	6,290	262	41.7	171	7.3	164	26.1	164	7	-	70	94	163	28	7	67	10.7	1	6.1	10	25.7	-	-	
Alcona township	23,410	25	1.1	116	16.1	389	16.6	381	7	1	180	209	361	28	2	11	229	9.8	10	25.7	6	44.2	-	-
Alcona township	7,200	307	42.6	60	11.0	155	21.3	177	4	-	95	86	157	24	4	8	102	14.2	12	66.3	8	44.2	-	-
Alcona township	2,850	20	2.8	26	9.1	68	23.9	63	5	-	84	71	151	4	2	2	44	15.4	1	14.7	1	14.7	-	-
Alcona township	2,540	165	65.0	47	18.5	67	26.4	63	10	-	30	37	60	7	2	6	73	9.6	4	20.6	3	15.5	-	-
Alcona township	5,460	318	58.2	75	13.7	156	23.6	125	31	-	79	77	156	-	-	3	61	11.2	11	39.6	6	28.8	-	-
Alcona township	11,370	870	47.8	227	12.5	270	30.8	266	11	1	151	127	274	4	12	15	187	10.3	15	26.8	11	19.6	-	-
Alcona township	18,200	185	18.1	110	10.8	557	3	556	4	-	292	268	553	4	7	3	113	11.1	3	11.8	3	11.8	-	-
Alcona township	26,840	9	0.3	136	5.1	227	27	227	6	1	372	400	771	1	5	7	245	10.4	10	39.4	14	18.1	-	-
Alcona township	5,000	658	131.6	138	27.6	127	25.4	127	1	-	62	65	126	1	1	2	49	11.6	4	21.1	2	15.7	-	-
Alcona township	4,160	206	49.5	75	18.0	94	21.8	91	3	1	51	44	98	-	-	2	49	11.6	4	42.1	4	21.1	-	-
Alcona township	12,540	247	19.7	80	6.4	247	14	245	14	-	135	126	254	7	8	146	11.6	12	46.0	12	46.0	-	-	
Alcona township	4,830	911	61.1	242	16.2	421	14	418	17	-	214	221	435	-	-	11	175	11.7	12	27.6	8	18.4	-	-
Alcona township	6,530	3	0.5	44	3.1	209	4	209	4	-	125	86	219	-	-	4	49	10.2	4	18.8	4	18.8	-	-
Alcona township	9,170	475	51.8	230	25.1	191	19	117	1	1	89	103	191	-	-	5	119	13.0	4	20.9	3	25.2	-	-
Alcona township	3,100	191	61.0	39	12.5	170	19.9	170	1	-	30	30	60	-	-	1	36	11.6	1	16.7	1	16.7	-	-
Alcona township	4,870	17	0.6	131	4.3	170	34.7	170	1	-	84	86	170	-	-	1	41	8.4	1	5.9	1	5.9	-	-
Alcona township	26,700	322	46.8	109	15.7	713	26.7	698	15	-	378	385	712	1	13	8	238	8.9	16	22.4	12	16.8	-	-
Alcona township	6,900	4,790	218	59	8.1	149	21.2	149	2	-	74	75	149	-	-	1	58	12.1	4	23.5	2	13.4	-	-
Alcona township	3,070	41	11.2	84	27.5	176	7	171	7	-	100	78	176	-	-	3	41	11.2	2	23.8	3	23.8	-	-
Alcona township	9,800	628	100.3	166	28.4	230	23.0	231	8	1	120	110	227	3	7	3	82	8.5	2	8.7	1	4.3	-	-
Alcona township	6,280	217	21.0	460	13.3	3,162	5	3,162	2	-	1,608	1,569	3,166	6	22	70	763	7.1	89	28.1	63	19.9	-	-
Alcona township	107,650	3	0.7	143	9.9	4,655	3	4,655	33	1	2,387	2,290	4,657	600	131	75	1,453	8.4	122	26.1	107	22.9	-	-
Alcona township	173,250	8,391	48.4	1,725	10.3	4,657	26.9	4,657	33	1	81	73	154	-	-	1	300	6.1	4	29.2	4	16.4	-	-
Alcona township	4,500	1	0.3	86	9.1	153	30.9	153	3	-	119	125	243	1	3	7	69	9.4	1	29.2	1	29.2	-	-
Alcona township	9,500	382	39.1	130	17.7	136	2	136	2	-	74	64	134	4	3	4	99	11.6	4	29.2	3	21.7	-	-
Alcona township	3,450	221	19.5	61	17.7	264	23.3	262	2	-	25	25	264	-	-	5	52	15.1	3	11.4	3	11.4	-	-
Alcona township	1,340	180	54.4	43	13.0	70	21.4	70	1	-	37	34	71	-	-	1	30	9.1	4	56.3	3	42.3	-	-

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.)

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 UNDER 1 YEAR, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (continued)

AREA	O C C U R R E N C E										R E S I D E N C E												
	Live Births					Deaths					Live Births					Deaths							
	Number	Rate	Number	Rate	Population July 1, 1952	Number	Rate	Number	Rate	Population July 1, 1952	Number Born in Plural Births	Physician Attendant	Midwife	Place of Delivery	Sex	Color	Illegitimacy	Fetal Deaths	All Ages	Infant	Neonatal	Maternal	
Grand Traverse rural	49	4.0	93	7.6	12,230	323	26.4	315	8	167	156	321	2	7	1	97	7.9	4	12.4	3	9.3	0	0
Traverse City Hospital	1,041	59.2	224	12.7	17,590	436	24.8	433	3	233	303	435	1	7	4	169	9.6	15	34.4	14	32.1	0	0
Traverse City State Hospital	7	0.7	271	6.1	22,340	663	29.7	651	12	359	305	662	1	13	5	253	11.3	17	25.6	12	18.1	0	0
Graiot rural	765	89.8	206	24.2	8,520	205	24.1	202	3	99	106	204	1	3	5	90	10.6	3	14.6	3	14.6	1	48.8
Alma	1	0.3	22	6.4	3,430	92	26.8	91	1	48	44	91	1	3	4	38	11.1	16	10.9	1	10.9	0	0
St. Louis	519	69.8	137	18.4	25,130	581	23.1	569	12	285	296	581	1	6	4	259	10.3	16	27.5	13	22.4	0	0
Hillsdale rural	5	0.2	22	5.2	17,440	168	22.6	168	5	91	77	167	1	4	11	86	11.6	6	35.7	4	23.8	0	0
Hillsdale	5	0.2	22	5.2	26,590	168	22.6	168	5	91	77	167	1	4	11	86	11.6	6	35.7	4	23.8	0	0
Houghton rural	339	109.7	120	38.8	3,820	108	28.3	108	2	51	57	108	1	8	4	374	14.1	10	21.4	7	15.0	0	0
Houghton	339	109.7	120	38.8	3,820	108	28.3	108	2	51	57	108	1	8	4	374	14.1	10	21.4	7	15.0	0	0
Laurium	529	104.1	192	37.8	5,090	105	20.7	105	4	37	41	78	1	2	1	56	16.1	3	38.5	1	12.8	0	0
Hancock	538	176.6	251	6.2	3,050	89	29.4	89	16	44	41	85	1	10	13	31.6	10.3	23	26.8	14	16.3	0	0
Huron rural	414	136.6	64	21.1	3,030	89	29.4	89	16	44	41	85	1	10	13	31.6	10.3	23	26.8	14	16.3	0	0
Bad Axe	58	0.9	306	5.0	61,780	2,031	32.9	2,009	22	1,043	989	2,013	19	16	22	456	7.4	50	24.6	33	16.2	1	4.9
Ingham rural	5,376	54.6	1,094	11.1	98,470	2,453	24.9	2,443	9	1,305	1,148	2,338	115	68	40	875	8.9	64	26.1	51	20.8	0	0
Lansing	5,376	54.6	1,094	11.1	98,470	2,453	24.9	2,443	9	1,305	1,148	2,338	115	68	40	875	8.9	64	26.1	51	20.8	0	0
East Lansing	173	46.5	53	14.2	3,720	96	25.9	94	2	52	44	96	2	4	2	46	12.4	4	31.3	2	20.8	0	0
Mason	12	0.5	127	5.2	24,320	553	22.7	541	12	291	262	552	1	10	4	222	9.1	21	38.0	17	30.8	0	0
Ionia rural	52	11.8	38	8.6	4,400	104	23.6	101	3	52	52	104	1	4	6	57	13.0	2	19.2	2	11.3	0	0
Belding	364	56.9	114	17.8	6,400	177	27.7	175	2	87	90	177	1	3	3	85	13.3	5	28.2	2	11.3	0	0
Ionia State Reformatory	37	13.1	18	6.4	2,620	74	26.2	73	1	31	43	74	1	2	2	33	11.7	2	27.0	1	13.5	0	0
Ionia State Hospital	145	11.8	70	5.7	13,250	293	24.2	274	23	152	145	296	2	10	6	105	8.6	8	26.9	6	20.2	0	0
Portland	416	30.3	162	11.8	13,740	285	20.7	276	5	153	132	284	1	2	6	143	10.4	8	28.1	6	21.1	0	0
Iron rural	5	1.2	24	5.9	4,090	94	23.0	89	5	48	46	94	1	10	11	159	8.9	13	27.4	12	36.1	0	0
Iron River	25	1.4	97	5.4	17,880	474	26.6	449	26	240	235	462	13	10	11	159	8.9	13	27.4	12	36.1	0	0
Isabella rural	840	71.8	123	10.5	11,700	315	26.9	314	1	163	152	313	2	4	6	92	7.9	12	36.1	12	36.1	0	0
Mt. Pleasant State Home	102	1.7	335	5.7	58,930	1,355	23.0	1,347	8	677	678	1,354	1	25	15	493	8.4	29	21.4	20	14.8	1	7.4
and Training School	2,957	55.4	760	14.2	53,400	1,477	27.7	1,474	5	761	720	1,390	101	36	18	633	11.9	42	28.4	35	23.6	2	13.5
Jackson	158	2.2	323	4.4	73,270	1,962	26.8	1,949	13	996	966	1,949	13	21	32	534	7.3	47	24.0	39	19.9	4	20.4
Southern Mich. Prison	3,426	56.5	230	13.6	60,600	1,655	27.3	1,641	13	847	809	1,541	115	62	36	627	10.3	42	25.4	29	17.5	0	0
Kalamazoo rural	14	3.1	20	4.4	4,510	88	19.5	75	13	39	49	88	1	4	4	49	10.9	5	56.8	3	34.1	0	0
Kalamazoo State Hosp.	110,020	126	1.1	664	6.0	2,266	20.6	2,209	55	1,163	1,105	2,264	4	33	44	816	7.4	62	27.3	44	19.4	2	8.6
Pine Crest Sanitarium	187,050	7,075	37.8	1,940	10.4	6,284	33.4	6,206	34	3,185	3,059	5,920	324	138	91	1,938	10.4	112	17.9	68	14.1	2	3.2
Kalkaska	1,769	270.9	246	37.7	6,530	71	10.9	71	1	37	34	71	1	2	3	46	7.0	2	28.2	2	28.2	0	0
Kent rural	2	0.0	17	5.9	2,870	42	14.6	42	1	17	25	42	1	2	4	37	12.9	2	47.6	2	47.6	0	0
Grand Rapids	298	5.8	47	9.7	4,830	89	18.4	85	3	46	43	73	16	4	3	73	15.1	1	11.2	1	11.2	0	0
E. Grand Rapids	298	9.5	195	6.2	31,310	689	22.0	652	37	347	342	688	1	7	10	289	9.2	16	23.2	10	14.5	1	14.5
Keweenaw	96	14.8	59	9.1	6,480	132	20.4	126	6	62	70	132	1	4	2	55	8.5	2	15.2	2	15.2	0	0
Lapeer rural	2	3.6	55	6.2	8,910	217	24.4	215	2	116	101	210	7	6	4	83	9.3	3	13.8	1	4.6	0	0
Lapeer State Home and Training School	187	4.5	285	6.8	41,650	1,029	24.7	1,028	1	512	517	1,029	5	15	18	441	10.6	31	30.1	21	20.4	3	29.2
Leelanau	1,027	52.4	195	9.9	19,600	596	30.4	579	18	306	290	591	114	21	8	188	9.6	16	26.6	12	20.1	0	0
Leelanau rural	433	101.9	89	20.9	4,250	119	28.0	119	8	60	51	119	1	1	2	49	11.5	1	8.4	1	8.4	0	0
Lake	300	102.7	55	18.8	2,920	60	20.5	60	16	33	27	59	1	1	1	51	17.5	2	33.3	2	33.3	0	0
Lapeer	23,530	65	2.8	205	8.7	520	22.1	504	16	286	234	519	1	9	9	257	10.9	10	19.2	7	13.5	0	0
Lapeer	400	86.8	73	15.8	4,610	134	29.1	134	1	66	68	134	1	2	2	59	12.8	7	52.2	7	52.2	0	0
Michigan State TB Sanatorium	3	0.6	16	3.1	4,890	70	14.3	68	2	45	25	70	1	1	1	29	5.9	2	28.6	1	14.3	0	0
Lucre rural	168	65.4	36	14.0	2,570	71	27.6	70	1	32	39	70	1	7	1	29	11.3	5	70.4	5	70.4	0	0
Newberry State Hosp.	42	6.9	39	6.4	6,110	132	21.6	131	1	71	61	132	2	4	5	65	10.6	6	37.9	5	37.9	0	0
Newberry	20	6.8	15	5.0	11,2	112	38.4	94	18	39	73	110	2	1	1	28	9.6	5	44.6	5	44.6	1	4.6
Mackinac rural	341	3.1	556	5.1	110,600	2,169	19.6	2,128	41	1,093	1,076	2,134	35	23	60	698	6.3	37	35.5	77	35.5	0	0
St. Ignace	2,908	145.8	410	20.6	19,940	1,171	58.7	1,151	20	606	565	1,057	114	38	15	211	10.6	21	27.3	32	27.3	0	0
Macomb rural	2	0.2	13	1.4	9,060	901	51.3	897	4	226	239	465	1	4	8	58	6.4	4	15.1	7	15.1	0	0
Macomb	5	0.2	41	1.7	18,670	902	36.7	897	4	482	490	902	1	4	4	137	5.6	4	15.1	10	11.1	0	0
Mt. Clemens	3	0.2	43	2.3	3,300	1,051	54.5	1,051	3	43	42	81	16	10	20	130	7.0	26	24.7	18	17.1	0	0
Centerline	5	0.2	43	2.3	22,620	906	40.1	895	11	439	467	902	4	7	15	161	7.1	15	23.3	15	23.		

TABLE 13 - BIRTHS, DEATHS AND RATES BY PLACE OF OCCURRENCE AND RESIDENCE: BIRTHS UNDER 1 YEAR, DEATHS UNDER 1 YEAR, MATERNAL DEATHS, AND RATES BY PLACE OF RESIDENCE: POPULATION (continued)

AREA	O C C U R R E N C E										R E S I D E N C E									
	Live Births					Deaths					Live Births					Deaths				
	Population Estimates July 1, 1952	Number	Rate	Number	Rate	Number Born in Plurals	Physician Attendant	Midwife	Place of Delivery	Sex	Color	Illegitimacy	Fetal Deaths	All Ages	Infant	Neonatal	Maternal			
Marquette rural	15,150	0	93	6.1	317	20.9	317	20.9	317	12	2	3	8	151	10.0	5	15.6	3	9.5	0
L'Angeles rural	9,150	354	38.7	110	12.0	229	25.0	229	25.0	12	2	2	2	96	10.5	6	26.2	6	26.2	0
Ishteving	17,610	821	46.6	240	13.6	454	25.8	454	25.8	1	1	1	11	153	8.7	11	24.2	9	19.6	0
Marquette	6,610	95	6.8	43	6.5	146	22.1	146	22.1	2	2	0	3	60	10.3	3	20.5	2	13.7	0
Northern Mich. Prison	10,950	12	1.1	48	4.4	229	20.9	227	20.7	2	2	7	5	107	9.8	5	21.8	2	8.7	0
Ludington	9,510	442	46.5	117	12.3	237	24.9	237	24.9	2	2	3	9	89	9.4	8	33.6	7	29.5	0
Meosia rural	12,120	66	5.4	146	12.0	275	22.7	275	22.7	4	4	7	6	146	12.0	6	21.6	3	10.9	0
Big Rapids	6,700	267	39.8	63	9.4	146	21.8	146	21.8	2	2	7	6	73	11.2	5	34.2	1	68.5	0
Memphis rural	13,910	101	7.3	75	5.4	283	20.3	283	20.3	5	5	5	6	133	9.6	10	32.7	1	3.5	0
Monrovia	11,150	547	49.1	191	17.1	506	45.5	506	45.5	1	1	9	14	124	11.1	10	32.7	9	29.4	0
Midland rural	22,670	12	0.5	64	2.8	703	31.1	703	31.1	14	14	9	14	130	5.7	10	24.2	9	29.4	0
Midland	15,720	1,168	74.3	134	8.6	495	31.5	495	31.5	9	9	12	4	60	5.1	12	24.2	12	24.2	0
Missaukee	7,370	18	2.4	35	4.7	166	22.5	166	22.5	6	6	3	3	77	10.6	4	24.1	3	16.1	0
Moravia rural	57,600	18	0.3	252	4.4	1,482	25.7	1,482	25.7	4	4	4	16	417	7.2	34	22.9	24	16.2	0
Moravia	23,410	1,620	69.2	258	11.0	737	31.5	737	31.5	2	2	22	10	197	8.4	21	28.5	15	20.3	0
Monticello (part)	24,990	703	28.1	311	12.4	615	24.9	615	24.9	5	5	6	7	329	13.2	12	19.5	8	13.0	0
Monticello rural	6,930	484	69.8	77	11.1	152	21.7	152	21.7	20	20	4	4	61	8.8	3	46.1	4	26.3	0
Montmorency	4,090	11	2.7	19	4.6	85	20.0	85	20.0	1	1	4	4	42	10.5	3	35.3	2	23.5	0
Muskegon rural	57,610	30	0.5	290	4.9	1,646	28.5	1,646	28.5	23	23	46	30	446	7.7	52	31.6	35	21.3	0
Muskegon Hills	20,130	3,610	70.3	727	14.1	1,554	30.2	1,554	30.2	9	9	51	33	516	10.0	42	27.0	29	18.6	6.4
Newaygo rural	9,300	92	9.7	152	16.3	635	31.5	635	31.5	30	30	46	14	160	7.7	12	34.6	16	25.2	0
Newaygo Hills	3,280	488	148.8	58	17.7	458	23.1	458	23.1	12	12	3	10	190	9.7	14	31.0	7	15.5	0
Oakland rural	188,760	173	0.9	959	5.1	4,582	24.3	4,582	24.3	61	61	78	105	1,246	6.6	135	29.4	104	22.7	8.7
Oakland	16,090	1	0.1	104	6.5	1,068	32.5	1,068	32.5	26	26	8	16	166	9.3	22	24.5	17	17.0	0
Ontonagon	34,050	343	10.1	108	3.1	1,097	31.5	1,097	31.5	5	5	8	13	236	6.9	27	24.6	19	17.1	0
Ferdinand	63,260	5,790	67.5	955	1.5	2,234	27.2	2,234	27.2	50	50	64	46	631	7.6	70	30.9	46	20.9	3
Pontiac	4,920	1	0.2	126	5.3	174	35.4	174	35.4	4	4	6	5	60	12.2	4	53.0	4	30.9	0
Pontiac State Hospital	20,660	6	0	38	1.8	643	31.1	643	31.1	14	14	4	10	107	5.2	16	24.9	12	18.7	0
Berkley	6,000	1	0.2	14	2.3	231	38.5	231	38.5	1	1	2	4	34	5.2	3	13.0	2	8.7	0
Clawson	3,890	511	9.2	206	3.0	2,555	46.2	2,555	46.2	58	58	20	34	344	6.2	41	35.0	33	12.9	0
Pleasant Ridge	55,250	178	6.5	631	41.7	86	24.2	86	24.2	1	1	2	15	139	6.7	28	32.1	22	23.3	0
Royal Oak	20,880	110	36.9	23	4.1	138	24.5	138	24.5	4	4	1	2	41	10.4	5	36.2	4	23.0	0
Royal Park	2,960	2	0.4	23	4.1	138	24.5	138	24.5	4	4	1	2	41	10.4	5	36.2	4	23.0	0
Holly	5,640	4	0.6	12	1.9	519	31.4	519	31.4	2	2	1	9	48	3.7	11	21.2	8	17.3	0
Huntington Woods	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Huntington Woods (part)	6,410	443	28.1	178	11.1	361	22.9	361	22.9	20	20	1	9	48	6.7	10	37.7	8	27.3	27.7
Noraville (part)	15,780	321	34.2	106	11.3	218	23.2	218	23.2	10	10	2	10	117	12.5	7	32.1	7	27.5	0
Oak Park	9,990	129	13.3	83	8.6	193	20.0	193	20.0	3	3	3	2	117	11.5	7	32.1	1	5.2	0
Oceanon	9,510	291	21.5	178	13.0	306	22.6	306	22.6	6	6	5	5	180	18.3	13	42.5	7	23.9	0
Oscoda	3,000	28	9.2	23	7.6	67	22.1	67	22.1	3	3	2	4	28	9.2	2	29.9	2	29.9	0
Oscoda rural	6,570	178	27.1	73	11.1	149	22.7	149	22.7	4	4	2	4	69	10.5	2	13.4	2	13.4	0
Northern Michigan TB Sanatorium	48,960	26	0.5	221	4.5	1,363	27.8	1,363	27.8	13	13	13	18	342	7.0	25	18.3	20	14.7	0
Ottawa rural	10,210	642	62.9	134	13.1	236	23.1	236	23.1	12	12	7	5	101	9.9	5	11.6	2	8.5	0
Grand Haven	16,950	945	55.8	186	11.0	424	25.0	424	25.0	6	6	3	5	196	9.8	5	11.6	2	8.5	0
Holland	3,350	487	145.4	31	9.3	107	31.9	107	31.9	0	0	7	5	101	10.6	3	11.6	2	8.5	0
Zeeland	8,210	18	2.2	32	3.9	229	27.9	229	27.9	0	0	3	2	73	9.7	1	9.3	1	7.5	0
Presque Isle rural	3,940	319	81.0	56	14.2	154	39.1	154	39.1	0	0	3	3	36	9.1	3	29.6	9	58.4	0
Rogers City	6,440	41	6.4	400	6.3	1,965	30.2	1,965	30.2	4	4	3	22	583	6.6	91	32.0	44	22.9	0
Roscommon	63,140	43	0.7	400	6.3	1,965	30.2	1,965	30.2	4	4	18	22	583	6.6	91	32.0	44	22.9	0
Saginaw rural	96,070	4,656	48.5	1,022	11.5	2,646	27.5	2,646	27.5	61	61	89	49	868	9.0	51	32.0	54	33.9	3.8
Saginaw	31,430	681	27.1	298	9.5	740	23.5	740	23.5	20	20	2	10	343	10.9	25	35.0	13	17.6	0
Schoolcraft rural	3,970	3	0.8	21	5.3	119	30.0	119	30.0	0	0	2	2	46	11.1	4	33.9	3	25.4	0
Manistique	4,950	298	60.2	101	20.4	118	23.8	118	23.8	4	4	2	15	257	9.1	20	37.4	15	20.5	0
Shawassee rural	27,870	60	2.2	158	5.7	730	26.2	730	26.2	6	6	7	15	257	9.1	20	37.4	15	20.5	0
Durand	3,000	148	44.8	42	12.7	73	22.1	73	22.1	0	0	2	10	177	10.6	12	24.8	12	24.8	0
Oshtemo	16,960	65	1.5	289	6.7	1,193	27.7	1,193	27.7	30	30	11	17	437	10.1	36	50.2	23	19.3	20.4
St. Clair rural	4,420	2	0.5	24	5.4	150	33.9	150	33.9	1	1	15	19	415	11.5	26	21.5	20	19.3	8.4
Marine City	36,160	1,527	42.2	507	14.0	929	25.7	929	25.7	18	18	29	19	415	11.5	26	21.5	20	19.3	0
Port Huron	4,180	10	3.8	38	9.1	127	30.4	127	30.4	2	2	3	3	36	14.7	2	13.9	1	13.9	0
St. Clair	2,630	37	1.7	146	6.9	485	22.5	485	22.5	16	16	6	3	212	9.8	7	34.2	3	14.2	0
Algonac	2,510	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marysville	21,530	508	62.2	111	13.6	211	25.9	211	25.9	5	5	6	3	94	11.5	3	14.2	3	14.2	0
St. Joseph rural	7,060	439	62.2	117	16.6	161	22.8	161	22.8	5										

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

AREA	O C C U R R E N C E										R E S I D E N C E															
	Population Estimates July 1, 1952					Live Births					Deaths					Live Births					Deaths					
	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate	Number	Rate	Number	Rate	Rate	
Tuscola rural	33,720	10.1	282	8.4	742	22.0	15	739	3	716	23	3	396	346	739	3	10	12	331	9.8	23	31.0	16	21.6	-	0
Caro	3,610	67.6	66	18.3	74	20.5	-	74	3	716	23	3	36	38	74	3	3	57	15.8	9.8	3	40.5	16	21.6	-	0
Caro State Hospital	2,660	1.9	12	4.5	59	22.2	4	59	-	55	4	29	30	53	6	4	5	25	9.4	9.4	2	33.9	-	0	0	0
Vassar	36,150	8.0	342	9.5	816	22.6	13	815	1	603	10	3	427	369	779	37	14	14	456	12.6	28	34.3	18	22.1	-	0
Van Buren rural	6,090	65.4	127	20.9	131	21.5	2	131	-	1,300	1	1	77	54	118	13	2	3	88	14.4	8	61.1	5	38.2	-	0
South Haven	6,320	2.5	242	3.8	1,809	27.3	32	1,809	-	1,796	12	1	926	883	1,670	139	23	19	364	5.5	42	23.2	31	17.1	1	5.5
Washington rural	49,750	30.0	381	7.7	1,085	21.8	17	1,085	-	1,078	7	1	544	542	1,020	66	19	16	305	6.1	26	23.9	20	18.4	-	0
Ann Arbor	1,495	116.0	244	12.1	652	33.8	17	652	-	649	3	-	335	317	520	132	28	9	162	8.4	17	26.1	14	21.5	1	15.3
Ypsilanti	2,290	116.0	244	12.1	652	33.8	17	652	-	649	3	-	335	317	520	132	28	9	162	8.4	17	26.1	14	21.5	1	15.3
U. of M. Hospital	1,261	4	277	65.3	71	27.0	-	71	-	71	-	-	33	39	71	-	-	49	18.6	18.6	3	42.3	3	42.3	-	0
Ypsilanti State Hospital	2,630	0	40	15.2	71	27.0	-	71	-	71	-	-	33	39	71	-	-	49	18.6	18.6	3	42.3	3	42.3	-	0
Chelsea	2,130	0.5	6	3.8	54	25.4	2	54	-	54	-	-	22	32	54	3	1	19	8.9	8.9	1	18.5	1	18.5	-	0
Milan (part)	173,360	0.8	499	2.9	3,451	19.9	70	3,448	3	3,410	40	1	1,784	1,667	3,411	40	29	76	944	5.4	148	42.9	106	30.7	2	5.8
Wayne rural	19,090	1.3	47	2.5	541	28.3	10	539	2	514	27	-	259	282	340	201	31	12	153	8.0	28	51.8	19	35.1	1	10.5
Ecorse	24	25.1	1,666	7.6	938	28.8	16	938	-	925	13	-	504	434	801	137	18	32	397	8.8	28	29.9	22	23.5	-	0
Eloise Infirmary	1,133	25.1	342	7.6	608	28.8	6	608	-	595	13	-	299	309	396	31	31	8	163	7.5	16	26.3	11	18.1	-	0
Hamtramck	21,640	21.7	99	4.6	608	28.8	6	608	-	595	13	-	299	309	396	31	31	8	163	7.5	16	26.3	11	18.1	-	0
River Rouge	1,927,000	29.6	15,973	8.3	46,827	24.3	990	46,833	34	46,074	768	25	24,257	22,610	35,901	10,366	2,105	999	17,185	8.9	1,297	27.7	947	20.2	24	5.1
Detroit	47,690	63.2	910	19.1	816	18.1	20	876	-	870	6	-	234	224	749	127	26	5	66	11.7	7	15.3	5	10.3	1	21.8
Highland Park	7,390	3.5	24	3.3	1,700	44.8	27	1,790	-	1,783	2	-	959	831	1,789	1	11	20	358	9.0	50	27.9	36	20.1	-	0
Plymouth	39,970	72.8	465	11.6	3,406	33.6	64	3,405	-	3,395	9	2	1,782	1,624	3,400	6	28	61	779	7.7	87	25.5	66	17.4	2	5.9
Wyandotte	101,320	78.4	101	10.4	97	9.0	-	97	-	97	-	-	62	35	97	-	-	2	75	7.8	5	51.5	5	51.5	-	0
Dearborn	9,670	59	59	4.5	125	9.3	-	125	-	125	-	-	69	56	125	125	2	2	110	8.3	5	14.0	5	14.0	-	0
Grosse Pt. Farms	13,240	139.7	153	23.1	337	50.3	3	336	1	336	1	-	179	158	336	1	2	5	98	14.8	2	6.1	2	6.1	-	0
Grosse Pt. Park	6,620	22.0	22	2.0	246	22.8	4	248	-	247	1	-	132	116	248	-	2	2	57	5.2	34	30.7	19	13.0	3	27.1
Grosse Pt.	10,950	6.1	35	1.9	1,409	48.3	21	1,409	-	1,081	27	1	568	541	738	371	44	20	163	8.9	27	18.5	19	13.7	-	0
Inkster	18,330	4.0	67	2.1	1,460	48.3	16	1,459	1	1,457	3	-	740	720	1,457	3	11	27	216	6.7	6	19.0	2	17.9	-	0
Lincoln Park	32,080	6.1	112	6.1	315	38.9	4	315	-	315	-	-	165	150	315	-	5	6	47	4.6	6	19.0	2	17.9	-	0
Melvindale	10,180	1.8	18	1.8	112	36.6	2	112	-	110	2	-	43	69	112	-	4	2	60	9.1	1	4.7	1	4.7	-	0
Northville (part)	3,060	98.7	70	22.9	112	36.6	2	112	-	214	-	-	103	111	214	-	4	13	113	10.1	14	13.6	1	10.7	-	0
Trenon	1,293	195.3	93	14.0	1,023	51.5	10	1,026	2	1,023	5	-	529	499	900	48	16	17	94	6.8	21	26.0	19	23.5	1	12.4
Wayne	11,200	181.2	44	3.9	1,026	51.5	10	1,026	-	806	-	-	403	404	807	-	4	11	69	6.9	8	16.9	7	14.8	-	0
Allen Park	13,750	96.7	60	6.0	473	47.6	11	472	1	472	4	-	247	226	473	-	1	6	116	6.6	13	66.1	10	52.4	-	0
Garden City	9,930	96.7	104	5.9	191	10.9	5	191	-	187	4	-	99	92	191	-	1	8	88	10.9	6	32.8	5	27.3	-	0
Livonia	17,570	12.1	8	7.1	181	22.7	9	181	2	172	11	-	122	128	181	-	3	8	95	9.2	6	24.0	4	16.0	-	0
Northville State Hosp.	8,060	627	160	15.4	250	24.1	9	249	1	244	5	-	122	128	249	-	4	4	95	9.2	6	24.0	4	16.0	-	0
Westford rural	10,370	60.5	160	15.4	250	24.1	9	249	1	244	5	-	122	128	249	-	4	4	95	9.2	6	24.0	4	16.0	-	0
Cadillac	10,370	60.5	160	15.4	250	24.1	9	249	1	244	5	-	122	128	249	-	4	4	95	9.2	6	24.0	4	16.0	-	0

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.

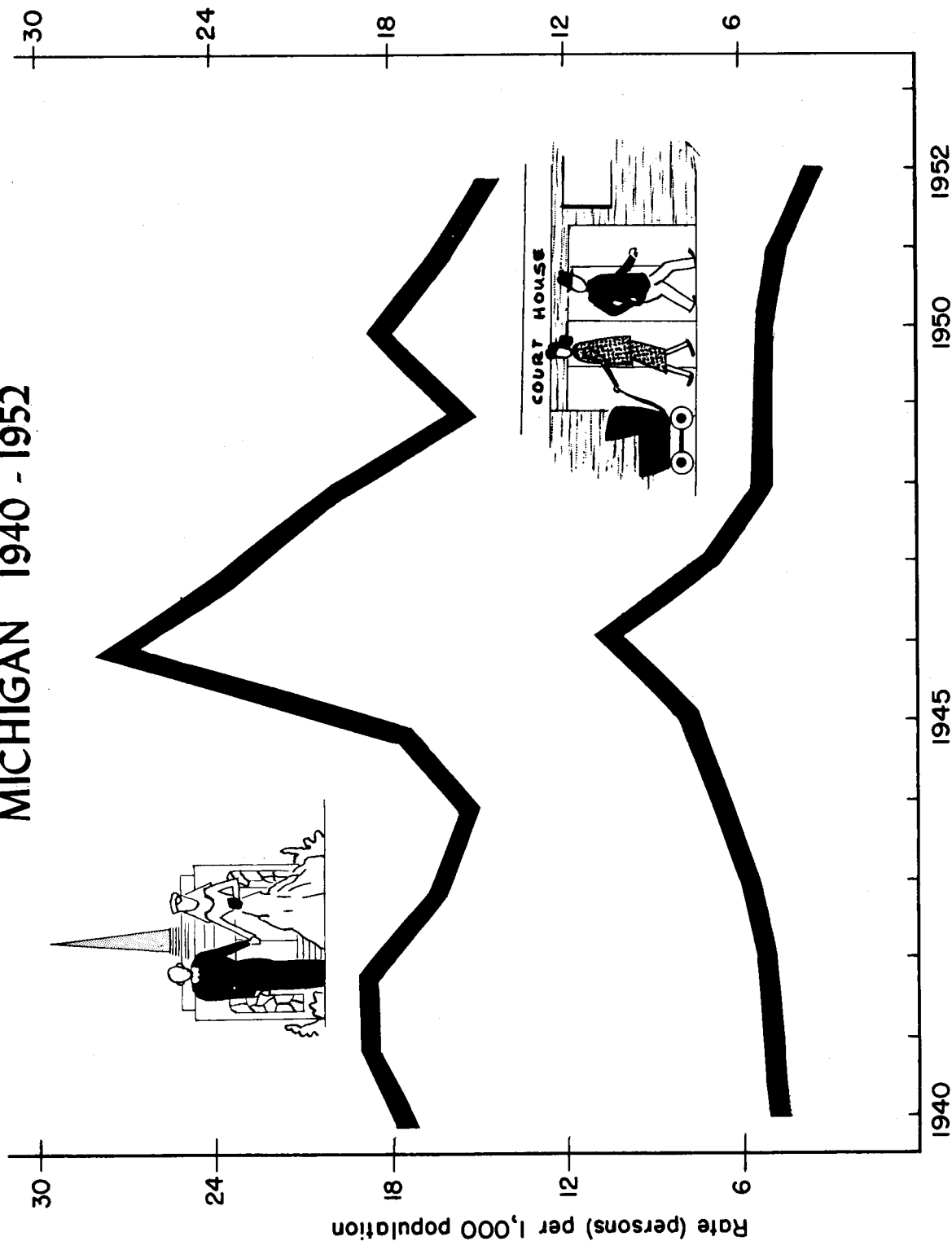
TABLE 14 - MARRIAGES BY ORDER OF MARRIAGE AND AGE OF BRIDE AND GROOM
MICHIGAN, 1952

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	D I V O R C E S											
			Total	Cases Contested	Granted to		Children						5 or More	Not Stated
					Husband	Wife	0	1	2	3	4			
STATE	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	-	
Alpena	18	-	18	2	1	17	7	2	4	2	3	-	-	
Antrim	20	-	20	3	5	15	10	4	3	2	-	1	-	
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	-	-	2	-	
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	-	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	D I V O R C E S											
			Total	Cases Contested	Granted to		Children							Not Stated
					Husband	Wife	0	1	2	3	4	5 or More		
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	-	-	
Oscoda	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.