

# PUBLIC HEALTH STATISTICS

STATE OF

## OKLAHOMA

1960



PART II

## BIRTHS AND DEATHS

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### BIRTHS AND DEATHS

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Oklahoma City, Oklahoma  
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PUBLIC HEALTH STATISTICS OF OKLAHOMA

BIRTHS AND DEATHS

1960

The State Department of Health is required by law to maintain an adequate system of vital statistics, including the compilation of data pertaining to vital events, as well as the registration and preservation of the official records of such events. These official records serve as a source of statistics relating to public health which are essential in planning, promoting and evaluating programs to enhance the health of the residents of Oklahoma.

This bulletin contains a summary of births, stillbirths, and deaths which occurred to residents of Oklahoma during 1960. In the pages immediately following is a narrative summary of the more important aspects of the State's mortality and natality experience during the year with illustration of points of particular interest by means of tables and charts. There is also an Appendix which shows detailed summary statistics for the State as a whole and vital statistics pertaining to the individual counties and of cities having a population of 2,500 or more in the 1960 Census.

The Division of Statistics of the State Department of Health maintains files of tabulations in greater detail than those appearing in this publication. These data are available for reference by interested individuals.

POPULATION

The population characteristics of Oklahoma changed in many respects during the decade from 1950 to 1960. In the ten years, the State gained a total of 94,933 residents, representing an increase of 4.3 per cent. The Indian population showed a gain of 10,920, giving the largest percentage increase, 20.3 per cent. Next was the Negro population showing a gain of 7,581, or 5.2 per cent. The white population (all races other than Negro and Indian) gained 76,432 or 3.8 per cent. The fact that the natural increase (excess of births over deaths) during the decade was 304,395, and the actual increase in enumeration was only 94,933, suggests that Oklahoma experienced a net loss due to migration of 209,452, not considering the gain or loss to the military population.

The State continued the trend toward urbanization manifested in the previous decade, 1940-1950. The 1960 census enumeration revealed that 62.9 per cent of the population resided in urban areas as compared to 51.0 per cent in 1950. Although the State as a whole increased by only 4.3 per cent, the urban population increased 28.5 per cent.

Chart 1, illustrates the change in the age characteristics from 1950 to 1960. The per cent of persons 5 to 15 years of age increased along with the over 45 year age group. The 15 to 45 year group decreased during the period as did the

Chart 1  
Age-Distribution of the Population, Oklahoma  
1950 and 1960

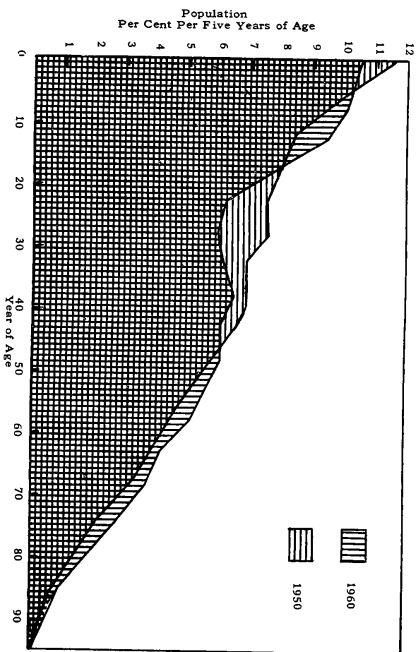
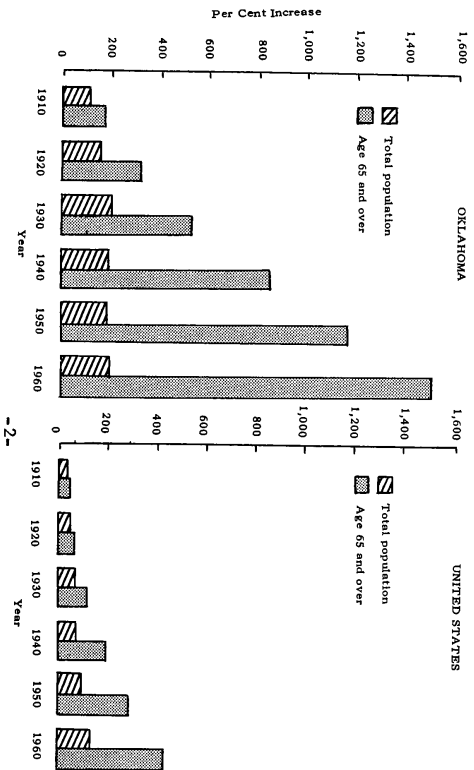


Chart 2  
Per Cent Increase Since 1900 in Total Population  
and Population Age 65 and Over, Oklahoma and United States



under 5 year group. These depictions represent a significant loss in the productive age and a gain in the dependent population. Part of this trend is illustrated in Chart 2, page 2, which compares the per cent increase of the aging population since 1900 in Oklahoma with that of the United States.

In 1940, the number of males in Oklahoma exceeded the number of females by 27,350. In 1950, the sex distribution was reversed and the females outnumbered the male residents by 2,241. By 1960, the female population exceeded the male population by 32,582.

All rates in this bulletin for 1960 were based on the Census enumeration of April 1, 1960. The population figures used in Table A, the historical summary, were estimated by interpolation between Censuses. Populations for 1951-1959 having been re-estimated will not agree with the estimates computed for bulletins published between the census years, 1950 and 1960. The rates in the historical summary are based on the revised population estimates.

RESIDENCE ALLOCATION

Table C in the Appendix shows the number of births, deaths, stillbirths, infant and neonatal deaths that occurred in each county during the year. The counts were based on the birth and death certificates filed in Oklahoma. Since information relating to place of residence, however, is more useful, all other detailed tables contain information pertaining to the resident population of the specified area.

Birth and death reallocation to place of residence was accomplished through voluntary exchange of non-resident notification transcripts for statistical purposes among the fifty states and Canada. Births and deaths occurring in Oklahoma to non-residents were excluded from the resident tabulations, and those events to residents of Oklahoma occurring in other states were included. Residence reallocations were made on a county and city basis, as well as a state-wide basis.

Table 1  
Residence Allocation, Oklahoma, 1960

	Non-resident Certificates Excluded	Resident Transcripts Included
Births	861	1,545
Deaths	549	1,015

The number of non-resident births and deaths excluded from the tabulations and the number of certificates for residents of the State which were received from other states that were included are shown in Tables 1 and 2.

Table 2

Births and Deaths of Oklahoma Residents Occurring Outside Oklahoma, by State in which the Events Occurred, 1960

State	Number	
	Births	Deaths
Total	1,545	1,015
Arizona	3	19
Arkansas	508	213
California	6	48
Colorado	63	26
Illinois	25	14
Kansas	347	166
Kentucky	19	7
Louisiana	30	8
Missouri	104	64
New Mexico	7	24
Texas	343	317
All Others	90	109

Again in 1960, the resident transcripts of births received from outside the State outnumbered the certificates filed in Oklahoma for non-resident births as is evident in Table 1, page 3. Resident deaths occurring outside the State continued to be almost double the non-resident deaths occurring in the State. A gain in numbers of births and deaths was the net result of residence allocation.

CAUSE OF DEATH CLASSIFICATION

The causes of death selected for statistical purposes from multiple causes reported on death certificates during 1958, 1959, and 1960 was in accordance with the procedures established in connection with the Seventh Revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death. During the years 1949-1957, selection of the cause of death was in accordance

with the Sixth Revision. Due to several minor changes, comparability ratios have been established for the two revisions and should be utilized when comparing rates or numbers when the original data was based on different revisions. Table 3 contains those ratios which represent 2 per cent more change from the Sixth to the Seventh Revision.

Table 3

Comparability Ratios for Cause of Death Categories Showing 2 Per Cent or More Change, Oklahoma, Fourth Quarter, 1957

Cause of Death	Comparability Ratio*
Diabetes mellitus	1.02
Hypertension with heart disease	1.08
Hypertension without heart disease	1.20
Bronchitis	1.14
Nephritis and nephrosis	0.98

\* Ratios of deaths classified by Seventh Revision to Sixth Revision of International List, Fourth Quarter, 1957.

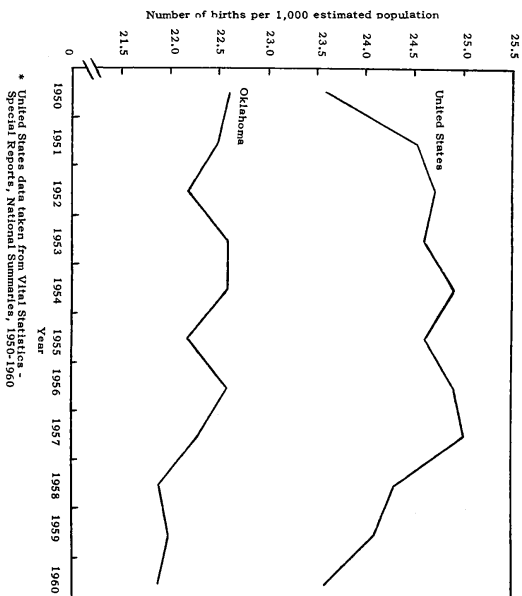
Prior to 1949, the cause of death was classified according to the procedures established in the Fifth Revision. The Sixth Revision of the Classification of cause of death represented changes of such magnitude from those in effect before 1949, that some of the statistics prior to that year may not be comparable with data for later years without adjustment. Comparability ratios have been established, as shown in Table B in the Appendix, and numbers and rates for certain categories in the years 1940-1948 have been adjusted to comparability with 1949 and succeeding years. Table A, also in the Appendix, contains data as originally classified by the coding rules in effect during the year concerned, but these, too, can be adjusted for comparisons by use of the comparability ratios shown in Table B when necessary.

LIVE BIRTHS

The total number of live births to residents of Oklahoma in 1960 was 50,900, for a rate of 21.9, a slight decrease from the number of 51,141 and rate of 22.0 in 1959. The 1960 rates by race were 20.8 for the white racial group, 30.6 for the Negro, and 34.8 for the Indian. The sex ratio was approximately 106 males per 100 females as compared to 105 to 100 females in 1959 and 1958.

The Oklahoma rates for the period, 1950-1960, are shown in Chart 3 along with the national birth rates. As can be seen in the chart, Oklahoma's birth rate

Chart 3  
Resident Live Birth Rates, Oklahoma and  
United States\*, 1950-1960



\* United States data taken from Vital Statistics - Special Reports, National Summaries, 1950-1960

has been somewhat lower than that observed for the entire nation. This is in part due to the difference in age distribution of the two areas, as discussed in the section on population.

Table 4  
Live Birth Attendance by Race, Oklahoma, 1960

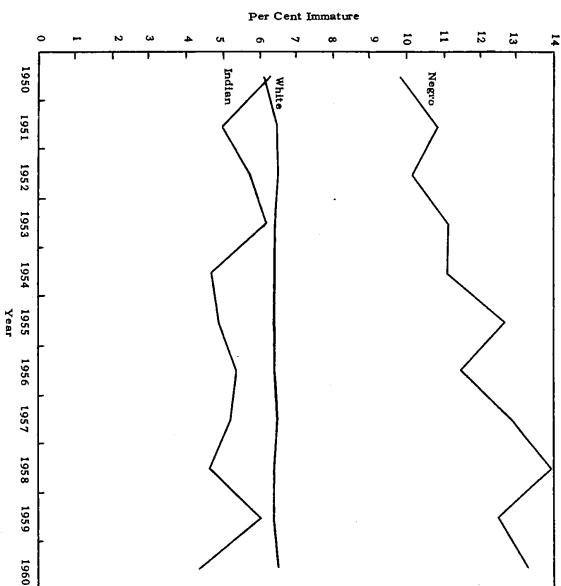
Attendance	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Live Births	50,900	100.0	43,969	100.0	4,679	100.0	2,252	100.0
Physician in hospital	49,318	96.9	42,964	97.7	4,160	88.9	2,194	97.4
Physician not in hospital	1,087	2.1	876	2.0	173	3.7	38	1.7
Midwife and other	495	1.0	129	0.3	346	7.4	20	0.9

The proportion of deliveries occurring in hospitals continued to increase during 1960, with 49,318, or 96.9 per cent of the total live births, occurring in hospitals, as compared to 96.4 per cent in the previous year. The deliveries outside hospitals represented only 3.1 per cent of the total live births during 1960. Nearly one-third, 31.3 per cent, of those occurring outside hospitals were delivered by attendants other than physicians. Among the Negro race group, two-thirds, 66.7 per cent, occurring outside hospitals were attended by persons other than physicians.

**Immature Births**

During 1960, 7.0 per cent of the infants born to Oklahoma residents were classified as immature, using the birth weight five and a half pounds or less as the criterion for immaturity. This immature percentage was also 7.0 for each of

Chart 4  
Per Cent of Live Births Classified as  
Immature, Each Race, Oklahoma,  
1950-1960



the three previous years, 1957-1959. In fact, the percentage has varied no more than from 6.4 to 7.0 since 1950. The 6.4 percentage was reported for 1950. Racial variations were observed again in 1960, with the proportion of Negro infants classified as immature considerably higher than the proportion of white or Indian infants. Chart 4, page 7, emphasizes the difference among the races during the last decade.

The proportion of immature infants for each race group varied according to the age of the mother. Generally, the highest percentage of immature births were to the younger mothers under 20 years of age. The high percentage in the Negro race group 45 years of age and over was based on only 8 total births and is not consistent with the usual small percentage for this age.

Table 5  
Number of Live Births and Number and Percentage Immature by Race, by Age of Mother, Oklahoma, 1960

Race	Total	Age of Mother							
		-15	15-19	20-24	25-29	30-34	35-39	40-44	45+
<b>Total:</b>	<b>503,481</b>	<b>106</b>	<b>9,949</b>	<b>18,376</b>	<b>11,605</b>	<b>6,242</b>	<b>3,232</b>	<b>903</b>	<b>68</b>
Immature**	3,548	16	817	1,205	751	456	239	60	4
Per cent immature	7.0	15.1	8.2	6.6	6.5	7.3	7.4	6.6	5.9
<b>White:</b>	<b>43,643</b>	<b>49</b>	<b>8,501</b>	<b>16,244</b>	<b>10,127</b>	<b>5,302</b>	<b>2,643</b>	<b>722</b>	<b>55</b>
Immature**	2,844	7	619	990	622	365	190	50	1
Per cent immature	6.5	14.3	7.3	6.1	6.1	6.9	7.2	6.9	1.8
<b>Negro:</b>	<b>4,604</b>	<b>48</b>	<b>1,042</b>	<b>1,426</b>	<b>991</b>	<b>602</b>	<b>376</b>	<b>111</b>	<b>8</b>
Immature**	606	8	176	194	103	77	36	9	3
Per cent immature	13.2	16.7	16.9	13.6	10.4	12.8	9.6	8.1	34.5
<b>Indian:</b>	<b>2,234</b>	<b>9</b>	<b>406</b>	<b>706</b>	<b>487</b>	<b>338</b>	<b>213</b>	<b>70</b>	<b>5</b>
Immature**	2,234	1	222	21	26	14	13	1	-
Per cent immature	4.4	11.1	5.4	3.0	5.3	4.1	6.1	1.4	-

\* Number with age and weight specified: 419 excluded from total because weight and/or age unspecified.  
\*\* Number with age specified: one excluded from white and all races total because age unspecified.

STILLBIRTHS

In Oklahoma, stillbirth certificates are filed for births which show no signs of life and which have developed to the twentieth week or more of gestation at the time of birth. The stillbirth ratio of 13.4 per 1,000 live births in 1960 was the same as that recorded in the previous year. The 1958 ratio was 13.3. The 1960 ratios among the races were: white, 11.9; Negro, 23.7; and Indian, 21.3.

Table 6, below, shows the underlying causes of the stillbirths reported in 1960. The underlying cause was selected on the basis of the sequence of events that led to the stillbirth as reported on the medical certification sections of the stillbirth certificates. In some instances, no logical sequence could be established. However, if more than one cause was reported, precedence was given to those causes determined to be in the fetus, placenta, or cord over causes and conditions in the mother.

Table 6  
Resident Stillbirths, by Cause of Stillbirth, Oklahoma, 1960

Cause of Stillbirth	Number	Per Cent
Total . . . . .	684	100.0
Causes Determined in the Mother, or Related to Pregnancy:		
Diabetes mellitus (Y30.2) . . . . .	13	1.9
Chronic disease of genito-urinary system (Y30.4) . . . . .	8	1.2
Other chronic diseases (Y30.0, .1, .3, .5) . . . . .	5	0.7
Acute disease in mother (.31) . . . . .	5	0.7
Toxemias of pregnancy (Y32.3, .4, .) . . . . .	30	4.4
Infection (ante- and intra-partum) (Y32.5) . . . . .	30	4.4
Difficulties in labor (Y34) . . . . .	7	1.0
Self-induced abortion (Y32.0) . . . . .	30	4.4
Accident or violence (Y35.0, .1) . . . . .	8	1.2
Other and ill-defined causes in mother (Y32.1, .2, Y33, Y35.2, .3) . . . . .	18	2.6
Causes Determined in the Fetus,		
Placenta or Cord:		
Placenta and cord conditions (Y36) . . . . .	238	34.8
Birth injury (Y37) . . . . .	9	1.3
Congenital malformations of fetus (Y38) . . . . .	54	7.9
Erythroblastosis (Y39.2) . . . . .	27	4.0
Other causes determined in the fetus (Y39.0, .1, .3) . . . . .	1	0.1
Ill-defined causes (Y39.4, .5) . . . . .	83	12.1
Cause unspecified (Y39.6) . . . . .	153	22.4

Figures in parentheses refer to the classification of causes of stillbirth according to the Seventh Revision of the International List.

Approximately 62 per cent of the stillbirths with cause specified were attributed to causes in the fetus, placenta, or cord, among which 34.8 per cent were attributed to placenta or cord conditions and 7.9 per cent to congenital malformations. Slightly more than 22 per cent were classified as causes determined in the mother or related to pregnancy; toxemia of pregnancy and difficulties in labor were the leading causes in this group, accounting for 4.4 per cent each. For over 15 per cent of the stillbirths, the cause as given was classified as ill-defined. The cause was not specified on 153 stillbirths.



Information as to whether fetal death occurred before or during labor is shown in Table 8, below. Approximately one out of four, 25.2 per cent, of the fetal death certificates lacked information concerning time of death; the time of death was either stated to be unknown or the item was not checked on the certificate. Of the 512 certificates that stated whether death occurred before or during labor, 362 or approximately 71 per cent occurred before labor or delivery.

Table 7  
Stillbirth Attendance by Race, Number and Per Cent,  
Oklahoma, 1960

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	684	100.0	525	100.0	111	100.0	48	100.0
Physician in hospital	655	95.8	510	97.1	98	88.3	47	97.9
Physician not in hosp.	20	2.9	13	2.5	6	5.4	1	2.1
Midwife	9	1.3	2	0.4	7	6.3	-	-
Other and unknown	-	-	-	-	-	-	-	-

Stillbirths continued to occur more frequently among male fetuses than among female during 1960. Although the live birth ratio was only 106 males to every 100 females, the stillbirth ratio of male to female was 114 to 100. This ratio, however, was considerably lower than in the previous year when a ratio of 130 to 100 was recorded.

Table 8  
Resident Stillbirths, According to Whether Death Occurred  
Before or During Labor, by Race, Number and Per Cent,  
Oklahoma, 1960

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total stillbirths	684	100.0	525	100.0	111	100.0	48	100.0
Before labor	362	52.9	288	54.9	47	42.4	27	56.2
During labor	150	21.9	114	21.7	22	19.8	14	29.2
Not stated	172	25.2	123	23.4	42	37.8	7	14.6

#### TOTAL DEATHS

Oklahoma's crude death rate for 1960 was 9.8 per 1,000 population, yielded by the 22,932 resident deaths. The rates for white, Negro, and Indian population groups were 9.7, 12.2, and 9.3, respectively. These rates, and the numbers on which they are based, are shown in Tables I and II in the Appendix, along with similar data for important causes of death.

During 1960, the death certificates, supplying the statistical information, varied widely in completeness. In all but 29 of the cases, however, the age at time of death was specified, and the average age was calculated to be 64.6 years. The median age was approximately 70.3. Excluding infant deaths, those surviving beyond the first year of life died at an average age of 68.4 years. One decade ago in 1950, the average age for all deaths was 60.3 years and the median age was approximately 67.9.

Table 9  
Resident Deaths by Age and Sex, Number and Age-Specific Rates\*  
Oklahoma, 1960

Age Group	Number	Rate		Number	Rate	
		Male	Female		Male	Female
Under 1 year	738	29.5	559	23.2		
1-4	158	1.6	97	1.0		
5-14	135	0.6	100	0.4		
15-24	286	1.7	104	0.6		
25-34	282	2.1	137	1.0		
35-44	480	3.4	327	2.2		
45-54	1,283	9.8	634	4.6		
55-64	2,243	21.6	1,114	9.9		
65-74	3,276	44.7	1,928	22.9		
75 and over	4,649	113.2	4,373	86.8		
All Ages**	13,550	11.8	9,382	7.9		

\* Number per 1,000 population

\*\* 20 male and 9 female with age unknown included in "all ages"

The crude death rate of 9.8 per 1,000 population is not very meaningful in itself without some knowledge of age distribution of the population. The number of resident deaths, by age and sex, are shown in Table 9, above, along with the age-specific rates and the populations on which each is based. It is evident that in each of the age-groups shown, the male rate exceeded the corresponding female rate. The total all ages, male rate was 11.8 as compared to 7.9 for the female.

#### LEADING CAUSES OF DEATH

The rank ordering by numbers of death from each cause or group of causes has been a popular way of presenting mortality statistics in publications. The leading causes according to ranking depends on the grouping of causes into categories

and on the rules used in making the selections. The leading causes thus selected are the numerically most important.

Chart 5  
Leading Causes of Death, Oklahoma, 1960

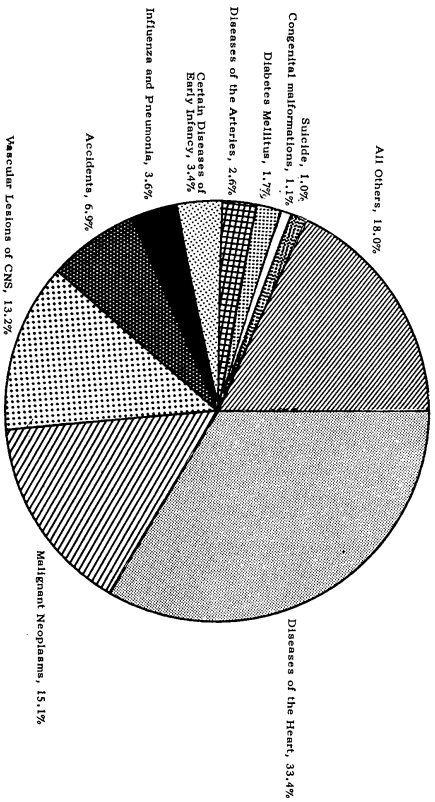


Chart 5, above, shows the ten leading causes and per cent of total deaths as compiled and selected in conformance with the procedure outlined by the Mortality Working Group on Statistics of the Public Health Conference on Records and Statistics, with the two revisions which were necessary due to limitations of the 50-cause and 150-cause lists used for tabulations in Oklahoma: the group "Nephritis and Nephrositis" was used rather than dividing the two terms into separate categories of "Acute Nephritis" and "Chronic and Unspecified Nephritis", and the category "Diseases of the Arteries" was used instead of "Arteriosclerosis" alone.

Diseases of the heart as a group has continued to be the leading cause of death in Oklahoma for all ages during the twenty-five year period culminating in 1960. However, the per cent of total deaths has changed considerably with the per cent increasing from 16.1 in 1935 to 33.4 per cent in 1960. The malignant neoplasm cause group, with 15.1 per cent of the deaths, was in second place again in 1960

as has been the case during recent years. In 1935, however, influenza and pneumonia were in second place and malignant neoplasms was in fifth position, causing only 7.2 per cent of the total deaths. Vascular lesions of the central nervous system as a group caused 13.2 per cent of the total deaths during 1960 and remained in third position. The fourth leading cause of death was accidents, which were responsible for 6.9 per cent of the total deaths. The above four leading causes were responsible for over two-thirds, 68.6 per cent, of all deaths during 1960. The four leading causes varied somewhat among the races as to rank. Table 10, below, shows the rank of these causes by race.

Table 10  
Four Leading Causes of Death, by Rank,  
Each Race, Oklahoma, 1960

Cause of Death	Rank		
	White	Negro	Indian
Diseases of the heart	1	1	1
Malignant neoplasms	2	3	3
Vascular lesions of the central nervous system	3	2	4
Accidents	4	4	2

Although the leading causes were not entirely the same as in the previous year, the ten numerically important causes in each year accounted for 82.0 per cent of the total.

Accidents, although only the fourth leading cause of death among all ages, was in first position for each age group between one and 35 years. Maternal deaths were sufficient enough in number in the 25-34 year age groups to place that group of causes among the eight leading causes for that age group. Other interesting facts and figures relating to the leading causes of death for race and age groups may be found in Table IV in the Appendix.

#### Heart Disease

The 7,649 resident deaths attributed to heart disease during 1960 yielded a rate of 328.5 deaths per 100,000 population. This was the highest rate recorded for any year in Oklahoma. The rate has increased partly due to the ever increasing number of persons over 65 years of age as heart disease is more predominant among older persons, with 73.1 per cent of the deaths from this cause group occurring to persons over 65. Since the number of persons over 65 in Oklahoma has increased by 71.7 per cent since 1940, heart disease would naturally have increased in combined number and rate for all ages. The age-specific death rates for heart disease reveal that the only age group that showed considerable increase in rate was the age group 85 and over. The rates increased, but only slightly, for the age groups

65-74 and 75-84. The age groups 45-54 and 55-64 also showed slight increase over the 1940 age-specific death rates. Decreases in rates for all age groups under 45 from the 1940 rates were observed. The age-specific rates for 1960 and 1940 are shown in Table 11, below.

Table 11  
Deaths from Heart Disease, Number and Age-Specific Rates,  
Oklahoma, 1940 and 1960\*

Age Group	1940		1960	
	Number	Rate	Number	Rate
Total, all ages	3,970	169.9	7,649	328.5
Under 15 years	41	6.0	11	1.6
15-24 years	36	8.2	9	2.7
25-34 years	65	17.7	40	14.3
35-44 years	192	63.8	155	53.8
45-54 years	437	185.9	599	222.6
55-64 years	767	467.8	1,239	573.5
65-74 years	1,209	1,156.5	2,069	1,314.6
75-84 years	925	2,681.2	2,293	3,063.5
85 years and over	291	4,939.7	1,229	7,404.5
Age unknown	7		5	

\* 1940, deaths that occurred in Oklahoma; 1960, deaths among residents of Oklahoma.

The largest portion, 81.8 per cent, of the deaths from heart disease was classified as "Arteriosclerotic and degenerative heart disease". Heart disease specified as "hypertensive" was responsible for 9.1 per cent and "chronic rheumatic heart disease" was responsible for 1.7 per cent. The remaining 7.3 per cent were grouped as "other diseases of the heart".

Not included in the heart disease categories were 111 deaths due to congenital malformations of the heart, the greater proportion of which were in infants under one year of age. There were 13 deaths attributed to active rheumatic fever, 11 of which specified heart involvement, but were not assigned to the heart categories. Malignant Neoplasms

The second ranking cause in numerical importance, accounting for 15.1 per cent of the total deaths, was the malignant neoplasms category, including the leukemias and neoplasms of the lymphatic and hematopoietic system. The 3,463 deaths yielded a rate of 148.7 per 100,000 estimated population. This rate was the highest ever recorded in Oklahoma including the 1959 rate of 147.3 based on the current re-estimated population for 1959. The rates for the white, Negro, and Indian populations were respectively, 149.8, 156.8, and 95.8.

The number of males who died from malignant neoplasms was slightly more, 54.5 per cent, than the number of females during 1960. Distribution of the deaths among males and females as to primary site of the lesion is shown in Table 12.

Table 12  
Resident Deaths from Malignant Neoplasms, by Primary Site,  
by Sex, Oklahoma, 1960

Site	Male	Female
Total, all sites	1,886	1,577
Malignant neoplasms of:		
Buccal cavity and pharynx	53	15
Esophagus	35	8
Stomach	145	108
Intestine, except rectum	147	163
Rectum	41	45
Larynx	23	2
Trachea, bronchus, and lung not secondary	417	76
Breast	1	244
Cervix uteri	-	133
Other and unspecified parts of uterus	-	91
Prostate	211	-
Skin	44	32
Bone and connective tissue	30	12
Other and unspecified sites	510	503
Leukemia and aleukemia	126	82
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic tissues	103	63

Numbers of deaths from malignant neoplasms by age, race and sex are shown in Table III in the Appendix. In Table IV in the Appendix is shown the rank of the malignant neoplasms category for each age group. This table reveals that malignant neoplasms was among the top eight leading causes in each age-group. In every age-group, with the exception of 0-4, the category was one of the top three leading causes.

#### Vascular Lesions of the Central Nervous System

The third leading cause of death, comprised mostly of hemorrhages, thromboses, and embolisms of the brain, accounted for 3,038 deaths in 1960, representing an increase from the 2,926 reported in 1959. This number is the highest annual figure on record for Oklahoma.

This category was third in rank for the white racial group, but was second among the Negro population. The category was only in fourth position for the Indian racial group. As in the case of heart disease and cancer, these causes were principally noticed in the older age groups: more than 85.6 per cent of the 3,038 deaths occurred to persons over 65 years of age, while less than one per cent were under 35 years of age.

#### Accidents

The accidents category was again the fourth leading cause of death among the general population in Oklahoma and continued in first position as a leading cause for each age group between one and 35 years of age. A total of 1,590 Oklahoma residents received fatal injuries in some type of accident during the year. Slightly more than 43 per cent of the fatalities were due to motor-vehicle accidents. The type of accident causing the next largest number of deaths, was falls, accounting for 271, or 17.0 per cent of the total. Another 138, 8.7 per cent, were classified as due to accidents caused by fire and explosion.

The accidental death rate of 111.3 per 100,000 estimated population among the Indian race group was considerably higher than the 78.4 and 66.2 among the Negro and white groups, respectively. Motor-vehicle accidents accounted for more deaths among each racial group than any other type of accident. Although falls was second leading cause of accidental deaths in the white population, fire and explosion of combustible material was second in the Negro, and drowning was second in the Indian.

More public awareness of the accident problem and the need for detailed data as to how, when, and where accidents most frequently occur prompted more detailed study of deaths resulting from accidents that occur in Oklahoma. Statistics based on the findings are published annually in Public Health Statistics, Part III, Accidental Deaths.

#### Influenza and Pneumonia

The combined influenza and pneumonia death rate dropped considerably from the rate of 135.1 deaths per 100,000 population in 1928 (the first year for which reliable figures are available) to rates of 35.0 for 1960, 26.9 for 1959, and 32.3 for 1958. As a group, the two diseases ranked fifth as a leading cause of death, accounting for a total of 814 deaths in 1960.

The influenza-pneumonia death rates varied among the racial groups. For the Indian and Negro population groups, the rates were, respectively, 51.6 and 62.7 per 100,000 estimated population. The white rate, however, was only 32.5 per 100,000 estimated population.

#### Certain Diseases of Early Infancy

This category includes birth injuries, postnatal asphyxia and atelectasis, infections of the newborn, disorders arising from maternal toxemia, immaturity, and certain other conditions peculiar to the newborn infant, but does not include congenital malformations. All of the 773 victims of these conditions died at less than one year of age. Detailed discussion of these deaths is located in the section on Infant Deaths.

#### Diseases of the Arteries

Another disease group particularly common in older people was diseases of the arteries. This category ranked seventh as a leading cause of death for the total population in 1960, but was not included in the ten leading causes for any ten-year age group under 55 years of age. In fact, 91.6 per cent of the 584 deaths occurred in persons 65 years of age and over. Rates for the white and Negro race groups were higher than for the Indian; 25.0, 30.0, and 15.5, respectively. Male deaths from diseases of the arteries outnumbered the females, with 317, 54.3 per cent, of the deaths male and 267 female.

"Diseases of the Arteries" was principally composed of generalized arteriosclerosis, accounting for 460, 78.8 per cent, of the deaths in this category. An additional 89, 15.2 per cent, were classified as aneurysms. The remaining 6 per cent were of other and unspecified diseases of the arteries.

#### Diabetes Mellitus

The number of deaths from diabetes in 1960, 398, was approximately 15.7 per cent higher than the 344 recorded in 1959 and was 45.7 per cent higher than the 277 deaths in 1958. These percentage increases exceeded the 2 per cent increase which can be attributed to changes in coding procedures as discussed on page 5. The rate of 17.1 deaths per 100,000 population in 1960 was higher than any comparable rate for previous years. The increase in death rates from this disease may be partially attributed to the increase of the aged population since approximately two-thirds of the deaths from this cause were in persons age 65 and over.

The race-specific death rates from this cause were: white, 16.0; Negro, 25.5; and Indian, 32.5. The disease was the eighth leading cause in the white and Negro race groups; however, among Indians, it was in seventh position.

#### Congenital Malformations

The Intermediate List of 150 Causes provides three categories for congenital malformations, as are shown in Table I of the Appendix. Of the 21 deaths from spina bifida and meningocele, all but 4 occurred in the first year of life. The second category, congenital malformations of the circulatory system, totaled 128, with 82 occurring at under 1 year of age. The third category, including all other congenital malformations, numbered 103 deaths with 83 in children under 1 year of age. This category is discussed in the section on Infant Deaths.

#### Suicide

Suicide moved up into tenth position as a leading cause of death during 1960, accounting for 238 deaths. The white suicide rate of 10.6 per 100,000 estimated population, was somewhat higher than those for the Negro and Indian, which were 6.5 and 6.2, respectively. Male deaths in this category outnumbered the female with 81.9 per cent reported as male. Approximately 75 per cent of the suicides were distributed among the four ten-year age groups from 35 to 75, with the largest number recorded in the 35-44 year age group. Four deaths were in persons 85 and over, and one death was in the 10-14 year age group. The use of firearms was the means of suicide for more than two-thirds, 69.3 per cent, of the suicide deaths.

Other Important Causes of Death

Tuberculosis was responsible for enough deaths among the Indian population to be one of the ten leading causes within that racial group, although the category was in only thirteenth position for the entire Oklahoma population. Of the 158 deaths for all races with age specified, 3 were in persons under 25 years of age and 69 were specified as 65 and over. Males accounted for 114 of the 162 total deaths for the general population. For the white population, the number of tuberculosis deaths of males, 93, was almost three times the number of females, 32, but the deaths for the Indian and Negro population were almost equally divided between the sexes.

In eleventh position during the year was the category "nephritis and nephrosis", accounting for 228 deaths. This category had been, in all recent years, among the top ten leading causes. Approximately 63 per cent of the deaths attributed to this group were in persons at ages 65 and over.

Homicide was numerically important cause of death among the Negro and Indian racial groups, being in eighth position for the Negro population and in tenth position for the Indian. The rate for the white group was only 3.8 per 100,000 estimated population as compared to the 26.8 and 17.0 for the Negro and Indian groups, respectively. The rate for all races combined was 5.7. As in the case of suicide, most of the deaths in this cause group were among the male population, with 108, 81.2 per cent, specified as being males.

Two other categories which were in the top ten among a specific race group but not for the total population, were hypertension without mention of heart and cirrhosis of the liver. The first mentioned being in the Negro top ten and the latter in the Indian top ten.

COMMUNICABLE DISEASES

Acute communicable disease mortality rates have undergone a downward trend in recent years. The numbers of these deaths have been relatively small, yet these diseases are ever present as a possible threat to the health of our State and require the attention of those individuals engaged in preventive and curative medicine. Certain of the communicable diseases by age at death are shown in Table 13, page 19.

No deaths were attributed to typhoid fever during 1960. In the previous year, one death was due to typhoid fever. Dysentery deaths numbered 10 during 1960 as compared to 5 in 1959 and 3 in 1958. Six of the ten deaths were in persons under 5 years of age, along with one in each of the age groups 5-9, 45-54, 65-74, and 85 and over.

Spillitis and its sequelae were responsible for 32 deaths during 1960. All but one of these deaths were in persons 45 years of age and over. Thirty of the 32 deaths were among the male population. One death was attributed to gonococcal infection of the genito-urinary system. This death was in a white female in the 35-44 year age group.

Table 13  
Deaths from Certain Communicable Diseases, by Age,  
Oklahoma, 1960

Disease	Total	Age at Death					
		-1	1	2-4	5-9	10-14	15+
Respiratory Strep. Infections	2	-	-	-	1	1	-
Diphtheria	1	-	-	1	-	-	-
Whooping cough	3	1	1	1	-	-	-
Meningococcal Infections	9	-	-	5	-	2	-
Acute poliomyelitis	3	-	-	-	1	-	-
Acute encephalitis	7	1	1	-	2	-	4
Measles	7	-	-	3	1	1	1

Acute poliomyelitis was responsible for 3 deaths in 1960. This compares with 6 in 1959; none in 1958; and 6 in 1957. All of the deaths in 1960 occurred to white persons, one male and two females. The ages of the individuals varied with one each to age groups 5-9, 20-24, and 25-29. All three of the decedents were residents of Tulsa County.

Deaths from infectious hepatitis and acute infectious encephalitis numbered 12 and 7, respectively. These figures compared with 13 and 10, corresponding recordings in the previous year. Unlike most communicable diseases, deaths from infectious hepatitis and infectious encephalitis occur more frequently in the adult age groups. All but two of the deaths from infectious hepatitis were in persons 35 years of age and over, and 4 of the infectious encephalitis deaths were in persons 25 years of age and over.

MATERNAL DEATHS

Maternal conditions were responsible for 19 deaths during 1960, compared with 22 in 1959 and 18 in 1958. The 1958 figure was the lowest annual number ever recorded for this cause category. The rate based on live births, 3.7 per 10,000 live births, was also lower than the rate in the previous year, and only slightly higher than the 1958 rate, 3.6. The rates varied among the three racial groups with the white and Indian registering rates of 3.2 and 4.4; whereas, the Negro rate was 8.5. The Indian rate was based only on one death during 1960.

Only one maternal death during 1960 occurred to a woman under 20 years of age and one to a woman over 45 years of age. The remaining 17 deaths occurred to women within the age groups 20-44. Although only 20.7 per cent of all live births were to women 30 years of age and over, almost 58 per cent of the maternal deaths were in mothers in that age group.

Table 14  
Maternal Deaths by Cause, by Race, Number and Rate\*,  
Oklahoma, 1960

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes . . . . .	19	3.7	14	3.2	4	8.5	1	4.4
Sepsis of pregnancy (640, 641) . . . . .	-	-	-	-	-	-	-	-
Toxemias of pregnancy (642) . . . . .	4	0.8	3	0.7	-	-	1	4.4
Hemorrhage of pregnancy (643, 644) . . . . .	-	-	-	-	-	-	-	-
Ectopic pregnancy without mention of sepsis (645.0) . . . . .	-	-	-	-	-	-	-	-
Ectopic pregnancy with mention of sepsis (645.1) . . . . .	-	-	-	-	-	-	-	-
Other complications of pregnancy (640-649) . . . . .	6	1.2	3	0.7	3	6.4	-	-
Abortion without mention of sepsis or toxemia (650) . . . . .	-	-	-	-	-	-	-	-
Abortion with mention of sepsis (651) . . . . .	1	0.2	1	0.2	-	-	-	-
Abortion with toxemia, without mention of sepsis (652) . . . . .	1	0.2	1	0.2	-	-	-	-
Delivery without specified complications (660) . . . . .	3	0.6	3	0.7	-	-	-	-
Hemorrhage of childbirth (650-672) . . . . .	2	0.4	2	0.5	-	-	-	-
Sepsis of childbirth and the puerperium (681, 682, 684) . . . . .	-	-	-	-	-	-	-	-
Toxemias of the puerperium (685, 686) . . . . .	1	0.2	1	0.2	-	-	-	-
Other complications of childbirth and the puerperium (673-680, 683, 687-689) . . . . .	1	0.2	-	-	1	2.1	-	-

\* Number per 10,000 live births.

The nineteen deaths from maternal causes in 1960 were due to varied conditions as can be seen in Table 15, page 21. In this table are shown the maternal deaths by cause of death by age of mother. The maternal deaths by race and cause are shown in Table 14, above.

Toxemias were more frequently reported as the underlying cause of the maternal deaths, 6 in all, than any other cause. Five of these deaths were in women 30 years of age or older; 4 of them were specified as toxemia of pregnancy, one with abortion and one during the puerperium. Hemorrhage was reported as the underlying cause in only two deaths, both during childbirth. Sepsis was specified in only one case, as a complication with abortion.

Table 15  
Maternal Deaths, by Cause, by Age,  
Oklahoma, 1960

Cause of Death	Total	Age						
		-15	15-19	20-24	25-29	30-34	35-44	45+
All maternal causes . . . . .	19	-	1	3	4	5	5	1
Sepsis of pregnancy, childbirth and the puerperium . . . . .	-	-	-	-	-	-	-	-
Toxemias of pregnancy and the puerperium . . . . .	6	-	1	-	-	4	1	-
Hemorrhage of pregnancy and childbirth . . . . .	2	-	-	-	1	-	-	-
Abortion without mention of sepsis or toxemia . . . . .	-	-	-	-	-	-	-	-
Abortion with sepsis . . . . .	1	-	-	-	1	-	-	-
Other complications of pregnancy, childbirth, and puerperium . . . . .	10	-	-	3	2	1	3	1

INFANT DEATHS

The infant death rate for 1960, 25.5 per 1,000 live births, based on a total of 1,297 deaths at less than one year of age, was slightly higher than the rate for the previous year, 24.1. Again, the white infant death rate, 22.6 per 1,000 live births, was somewhat lower than the Negro and Indian rates of 48.9 and 33.3, respectively. These rates are shown in Table 16, page 22.

Table 16 also shows the infant deaths for each racial group according to cause. Immaturity, when selected as the underlying cause of death, was the leading cause of death for the infants under one year of age, accounting for 257, or 19.8 per cent, of the infant deaths. There were 307 other infant deaths for which the fourth digit code indicated that immaturity was at least a contributing factor. It is possible that other death certificates mentioned immaturity in the medical certification, but some other cause was selected as the underlying cause of death for statistical classification.

Following immaturity in importance, was postnatal asphyxia and atelectasis, accounting for 184 deaths. Of these, 126 were with mention of immaturity.

The next leading cause of death among those persons under one year of age, was congenital malformations. There were 182 deaths attributed to this cause during the year.

Table 16  
Deaths Under One Year, by Cause, by Race,  
Number and Rate\*, Oklahoma, 1960

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Infant deaths, all causes . . . . .	1,297	25.5	993	22.6	229	48.9	75	33.3
Syphilis and its sequelae (020-029) . . . . .	-	-	-	-	-	-	-	-
Whooping cough (056) . . . . .	1	0.0	-	-	-	-	1	0.4
Other infective and parasitic diseases (001-019, 030-055, 057-138) . . . . .	28	0.6	15	0.3	9	1.9	4	1.8
Pneumonia (490-493, 763) . . . . .	116	2.3	60	1.4	42	9.0	14	6.2
Other diseases of the respiratory system (470-475, 480-483, 500-527) . . . . .	20	0.4	13	0.3	5	1.1	2	0.9
Gastro-enteritis and colitis (571, 572, 764) . . . . .	41	0.8	29	0.7	8	1.7	4	1.8
Other diseases of the digestive system (530-570, 573-587) . . . . .	14	0.3	13	0.3	1	0.2	-	-
Congenital malformations (750-759) . . . . .	182	3.6	161	3.7	13	2.8	8	3.6
Injury at birth (760-761) . . . . .	107	2.1	91	2.1	13	2.8	3	1.3
Postnatal asphyxia and atelectasis (762) . . . . .	184	3.6	150	3.4	24	5.1	10	4.4
Hemolytic disease of newborn (erythroblastosis) (770) . . . . .	21	0.4	21	0.5	-	-	-	-
Immaturity (774, 776) . . . . .	257	5.0	212	4.8	36	7.7	9	4.0
Other certain diseases of early infancy (765-769, 771-773) . . . . .	166	3.3	125	2.8	33	7.1	8	3.6
Accidents (E800-E962) . . . . .	58	1.1	39	0.9	15	3.2	4	1.8
Other defined causes . . . . .	52	1.0	34	0.8	12	2.6	6	2.7
Symptoms and ill-defined conditions (780-793, 795) . . . . .	50	1.0	30	0.7	18	3.8	2	0.9

\* Number per 1,000 live births.

Pneumonia caused 116 of the infant deaths during 1960. This cause was responsible for 107 deaths in 1959, and 133 deaths in 1958.

Injury at birth caused 107 of the infant deaths during the year. Of these, 28 were specified as intracranial and spinal injury at birth. The remaining were classified as other birth injury. Immaturity was mentioned on 57 of the death certificates with cause of death assigned to this category.

Deaths of Infants Under One Month of Age

Neonatal deaths numbered 939 during 1960, making up 72.4 per cent of all infant deaths. This proportion was somewhat higher among white infant deaths, 77.3

per cent, than among Negro and Indian infant deaths, of which 57.6 and 52.0 per cent, respectively, were neonatal. The neonatal deaths, by cause of death, by race are shown in Table 17, below.

Table 17  
Deaths Under One Month by Cause, by Race, Number and Rate\*,  
Oklahoma, 1960

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Neonatal deaths, all causes . . . . .	939	18.4	768	17.5	132	28.2	39	17.3
Syphilis and its sequelae (020-029) . . . . .	-	-	-	-	-	-	-	-
Whooping cough (056) . . . . .	-	-	-	-	-	-	-	-
Other infective and parasitic diseases (001-019, 030-055, 057-138) . . . . .	12	0.2	7	0.2	5	1.1	-	-
Pneumonia (490-493, 763) . . . . .	33	0.6	23	0.5	6	1.3	4	1.8
Other diseases of the respiratory system (470-475, 480-483, 500-527) . . . . .	6	0.1	4	0.1	2	0.4	-	-
Gastro-enteritis and colitis (571, 572, 764) . . . . .	7	0.1	6	0.1	1	0.2	-	-
Other diseases of the digestive system (530-570, 573-587) . . . . .	8	0.2	8	0.2	-	-	-	-
Congenital malformations (750-759) . . . . .	118	2.3	108	2.5	6	1.3	4	1.8
Injury at birth (760-761) . . . . .	106	2.1	90	2.0	13	2.8	3	1.3
Postnatal asphyxia and atelectasis (762) . . . . .	179	3.5	148	3.4	22	4.7	9	4.0
Hemolytic disease of newborn (erythroblastosis) (770) . . . . .	21	0.4	21	0.5	-	-	-	-
Immaturity (774, 776) . . . . .	250	4.9	206	4.7	35	7.5	9	4.0
Other certain diseases of early infancy (765-769, 771-773) . . . . .	156	3.1	118	2.7	31	6.6	7	3.1
Accidents (E800-E962) . . . . .	8	0.2	4	0.1	3	0.6	1	0.4
Other defined causes . . . . .	18	0.4	13	0.3	3	0.6	2	0.9
Symptoms and ill-defined conditions (780-793, 795) . . . . .	17	0.3	12	0.3	5	1.1	-	-

\* Number per 1,000 live births.

Because neonatal deaths are such a large part of the infant deaths, causes of neonatal deaths are given in Table 17 for the same categories used in Table 16. Number and rates by race are included. Like the total infant group, immaturity accounted for more deaths than any other group, 250. The postnatal asphyxia and atelectasis category was second as a leading cause with 179 neonatal deaths in the group.

Neonatal deaths by age at which death occurred are shown in Table 18, page 24. During the first week of life, 828, or 88.2 per cent, of the neonatal deaths occurred. This figure amounted to 63.8 per cent of all infant deaths. During the

first day of life, 472 deaths occurred, comprising 50.3 per cent of the neonatal deaths, or 36.4 per cent of all infant deaths. As shown by Table 18, the number of deaths per day of age generally decreased as the age of the infant increased.

Table 18  
Deaths Under One Month, by Cause, by Age,  
Oklahoma, 1960

Cause of Death	Age in Days										
	Under 1	1	2	3	4	5	6	7-13	14-20	21-27	
Neonatal deaths, all causes . . .	472	168	90	48	19	22	9	67	21	23	
Syphilis and its sequelae . . . . .	-	-	-	-	-	-	-	-	-	-	
Whooping cough . . . . .	-	-	-	-	-	-	-	-	-	-	
Other infective and parasitic diseases . . . . .	1	-	-	-	-	-	-	8	2	-	
Pneumonia . . . . .	2	5	3	1	-	4	-	10	3	5	
Other diseases of the respiratory system . . . . .	3	-	-	-	-	-	-	-	-	2	
Gastro-enteritis and colitis . . . . .	-	-	-	-	-	-	-	2	3	2	
Other diseases of the digestive system . . . . .	1	-	1	1	-	1	-	4	-	-	
Congenital malformations . . . . .	49	17	13	9	5	7	1	10	4	3	
Injury at birth . . . . .	66	17	12	4	1	1	1	2	-	2	
Postnatal asphyxia and atelectasis . . . . .	96	44	21	10	-	-	1	5	1	1	
Hemolytic disease of newborn (erythroblastosis) . . . . .	12	4	1	-	3	-	1	-	-	-	
Immaturity . . . . .	159	40	18	9	4	6	1	10	3	-	
Other certain diseases of early infancy . . . . .	71	39	17	10	3	3	1	9	2	1	
Accidents . . . . .	-	-	2	-	-	-	-	1	1	4	
Other defined causes . . . . .	3	1	2	4	1	-	1	3	1	2	
Symptoms and ill-defined conditions . . . . .	9	1	-	-	1	-	1	3	1	1	

The distribution of neonatal deaths by age varied among the causes. Mortality from immaturity and postnatal asphyxia and atelectasis declined much more rapidly than deaths from pneumonia and congenital malformations as the infants progressed in age.

Deaths of Infants One Through Eleven Months of Age

Deaths of infants after the first month of life present somewhat a different problem from neonatal deaths, in that the leading post-neonatal causes of death are not the same as those in the neonatal group. The four leading causes among

the neonatal group, (immaturity, postnatal asphyxia and atelectasis, congenital malformations, and injury at birth) caused 69.5 per cent of the neonatal deaths; whereas they caused only 21.5 per cent of the post-neonatal deaths; the majority of these, 17.9 per cent, were assigned to the congenital malformation group. The 64 post-neonatal deaths were enough, however, to place this cause second as a ranking cause of death for the post-neonatal group. Pneumonia was the leading cause, accounting for 83 deaths. Accidents were responsible for 50 deaths.

Table 19  
Deaths at One through Eleven Months of Age,  
by Cause, by Age, Oklahoma, 1960

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Post-neonatal infant deaths all causes . . . . .	358	68	59	53	39	26	21	34	37	21
Syphilis and its sequelae . . . . .	-	-	-	-	-	-	-	-	-	-
Whooping cough . . . . .	1	-	1	-	-	-	-	-	-	-
Other infective and parasitic diseases . . . . .	16	4	3	1	2	2	1	-	3	-
Pneumonia . . . . .	83	11	9	16	9	6	5	10	9	8
Other diseases of the respiratory system . . . . .	14	4	1	2	2	1	1	1	1	1
Gastro-enteritis and colitis . . . . .	34	5	5	4	1	3	2	4	6	4
Other diseases of the digestive system . . . . .	6	-	-	2	-	-	-	2	1	1
Congenital malformations . . . . .	64	17	12	10	6	3	3	7	5	1
Injury at birth . . . . .	1	-	-	1	-	-	-	-	-	-
Postnatal asphyxia and atelectasis . . . . .	5	-	1	1	-	2	-	1	-	-
Hemolytic disease of newborn (erythroblastosis) . . . . .	-	-	-	-	-	-	-	-	-	-
Immaturity . . . . .	7	3	4	-	-	-	-	-	-	-
Other certain diseases of early infancy . . . . .	10	3	-	2	-	2	-	1	2	-
Accidents . . . . .	50	9	11	4	7	5	2	3	6	3
Other defined causes . . . . .	34	5	8	3	7	-	1	4	3	3
Symptoms and ill-defined conditions . . . . .	33	7	5	6	5	2	6	1	1	-

The number of deaths in the age group one through eleven months generally decreased with increase in age. Table 19, above, shows the number of deaths from the important causes at each month of age for the post-neonatal deaths.

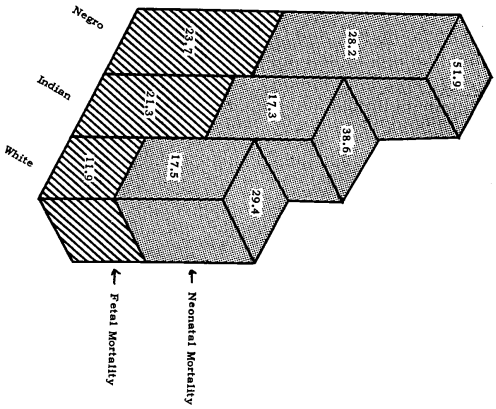


PERINATAL MORTALITY

The perinatal mortality rate, based on 684 fetal deaths twenty weeks or more gestation and 939 neonatal deaths, was 31.9 per 1,000 total live births. Fetal and neonatal mortality rates varied among the racial groups as pointed out in Chart 6, below.

The greatest proportion of perinatal deaths occurred immediately around the time of birth or full term pregnancy. About 56.9 per cent of the fetal deaths with period of gestation specified occurred at 36 weeks and over gestation and 88.2 per cent of the neonatal deaths occurred during the first week of life.

Chart 6  
Perinatal Mortality Rates, by Race  
Oklahoma, 1960



Symbols Used in Tables

- Number or rate is zero
- ... Item not applicable
- 0.0 Rate is more than 0 but less than 0.05
- Data not available

TABLE A. BIRTHS, DEATHS, AND DEATHS BY INTERCAUSE CAUSES, KANSAS AND RATE, OKLAHOMA, 1940-1960  
 Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

	1940	1941	1942	1943	1944
Canine encephalomyelitis, April 1, 1960	2,333,057	2,303,519	2,313,241	2,292,933	2,292,695
Live births, . . . . .	44,258	45,313	45,277	47,800	46,885
Deaths, . . . . .	24,740	24,929	24,832	24,800	24,500
Deaths in hospital, . . . . .	23,710	23,929	23,832	23,780	23,480
Deaths out of hospital, . . . . .	1,030	1,000	1,000	1,020	1,020
Deaths under 1 month, . . . . .	1,298	1,252	1,256	1,256	1,256
Deaths under 1 year, . . . . .	583	553	553	553	553
Deaths under 5 years, . . . . .	621	610	610	610	610
Deaths under 10 years, . . . . .	621	610	610	610	610
Deaths under 15 years, . . . . .	621	610	610	610	610
Deaths under 20 years, . . . . .	621	610	610	610	610
Deaths under 25 years, . . . . .	621	610	610	610	610
Deaths under 30 years, . . . . .	621	610	610	610	610
Deaths under 35 years, . . . . .	621	610	610	610	610
Deaths under 40 years, . . . . .	621	610	610	610	610
Deaths under 45 years, . . . . .	621	610	610	610	610
Deaths under 50 years, . . . . .	621	610	610	610	610
Deaths under 55 years, . . . . .	621	610	610	610	610
Deaths under 60 years, . . . . .	621	610	610	610	610
Deaths under 65 years, . . . . .	621	610	610	610	610
Deaths under 70 years, . . . . .	621	610	610	610	610
Deaths under 75 years, . . . . .	621	610	610	610	610
Deaths under 80 years, . . . . .	621	610	610	610	610
Deaths under 85 years, . . . . .	621	610	610	610	610
Deaths under 90 years, . . . . .	621	610	610	610	610
Deaths under 95 years, . . . . .	621	610	610	610	610
Deaths under 100 years, . . . . .	621	610	610	610	610
Deaths under 105 years, . . . . .	621	610	610	610	610
Deaths under 110 years, . . . . .	621	610	610	610	610
Deaths under 115 years, . . . . .	621	610	610	610	610
Deaths under 120 years, . . . . .	621	610	610	610	610
Deaths under 125 years, . . . . .	621	610	610	610	610
Deaths under 130 years, . . . . .	621	610	610	610	610
Deaths under 135 years, . . . . .	621	610	610	610	610
Deaths under 140 years, . . . . .	621	610	610	610	610
Deaths under 145 years, . . . . .	621	610	610	610	610
Deaths under 150 years, . . . . .	621	610	610	610	610
Deaths under 155 years, . . . . .	621	610	610	610	610
Deaths under 160 years, . . . . .	621	610	610	610	610
Deaths under 165 years, . . . . .	621	610	610	610	610
Deaths under 170 years, . . . . .	621	610	610	610	610
Deaths under 175 years, . . . . .	621	610	610	610	610
Deaths under 180 years, . . . . .	621	610	610	610	610
Deaths under 185 years, . . . . .	621	610	610	610	610
Deaths under 190 years, . . . . .	621	610	610	610	610
Deaths under 195 years, . . . . .	621	610	610	610	610
Deaths under 200 years, . . . . .	621	610	610	610	610
Deaths under 205 years, . . . . .	621	610	610	610	610
Deaths under 210 years, . . . . .	621	610	610	610	610
Deaths under 215 years, . . . . .	621	610	610	610	610
Deaths under 220 years, . . . . .	621	610	610	610	610
Deaths under 225 years, . . . . .	621	610	610	610	610
Deaths under 230 years, . . . . .	621	610	610	610	610
Deaths under 235 years, . . . . .	621	610	610	610	610
Deaths under 240 years, . . . . .	621	610	610	610	610
Deaths under 245 years, . . . . .	621	610	610	610	610
Deaths under 250 years, . . . . .	621	610	610	610	610
Deaths under 255 years, . . . . .	621	610	610	610	610
Deaths under 260 years, . . . . .	621	610	610	610	610
Deaths under 265 years, . . . . .	621	610	610	610	610
Deaths under 270 years, . . . . .	621	610	610	610	610
Deaths under 275 years, . . . . .	621	610	610	610	610
Deaths under 280 years, . . . . .	621	610	610	610	610
Deaths under 285 years, . . . . .	621	610	610	610	610
Deaths under 290 years, . . . . .	621	610	610	610	610
Deaths under 295 years, . . . . .	621	610	610	610	610
Deaths under 300 years, . . . . .	621	610	610	610	610
Deaths under 305 years, . . . . .	621	610	610	610	610
Deaths under 310 years, . . . . .	621	610	610	610	610
Deaths under 315 years, . . . . .	621	610	610	610	610
Deaths under 320 years, . . . . .	621	610	610	610	610
Deaths under 325 years, . . . . .	621	610	610	610	610
Deaths under 330 years, . . . . .	621	610	610	610	610
Deaths under 335 years, . . . . .	621	610	610	610	610
Deaths under 340 years, . . . . .	621	610	610	610	610
Deaths under 345 years, . . . . .	621	610	610	610	610
Deaths under 350 years, . . . . .	621	610	610	610	610
Deaths under 355 years, . . . . .	621	610	610	610	610
Deaths under 360 years, . . . . .	621	610	610	610	610
Deaths under 365 years, . . . . .	621	610	610	610	610
Deaths under 370 years, . . . . .	621	610	610	610	610
Deaths under 375 years, . . . . .	621	610	610	610	610
Deaths under 380 years, . . . . .	621	610	610	610	610
Deaths under 385 years, . . . . .	621	610	610	610	610
Deaths under 390 years, . . . . .	621	610	610	610	610
Deaths under 395 years, . . . . .	621	610	610	610	610
Deaths under 400 years, . . . . .	621	610	610	610	610
Deaths under 405 years, . . . . .	621	610	610	610	610
Deaths under 410 years, . . . . .	621	610	610	610	610
Deaths under 415 years, . . . . .	621	610	610	610	610
Deaths under 420 years, . . . . .	621	610	610	610	610
Deaths under 425 years, . . . . .	621	610	610	610	610
Deaths under 430 years, . . . . .	621	610	610	610	610
Deaths under 435 years, . . . . .	621	610	610	610	610
Deaths under 440 years, . . . . .	621	610	610	610	610
Deaths under 445 years, . . . . .	621	610	610	610	610
Deaths under 450 years, . . . . .	621	610	610	610	610
Deaths under 455 years, . . . . .	621	610	610	610	610
Deaths under 460 years, . . . . .	621	610	610	610	610
Deaths under 465 years, . . . . .	621	610	610	610	610
Deaths under 470 years, . . . . .	621	610	610	610	610
Deaths under 475 years, . . . . .	621	610	610	610	610
Deaths under 480 years, . . . . .	621	610	610	610	610
Deaths under 485 years, . . . . .	621	610	610	610	610
Deaths under 490 years, . . . . .	621	610	610	610	610
Deaths under 495 years, . . . . .	621	610	610	610	610
Deaths under 500 years, . . . . .	621	610	610	610	610

\*Rates represent number per 1,000 estimated population.  
 †Rates from specific causes represent number per 100,000 estimated population.  
 ‡Rates represent number per 1,000 live births.  
 §Maternal death rates represent number per 10,000 live births.





TABLE B. HISTORICAL SUMMARY OF GENERAL CAUSES OF DEATH, ADJUSTED BY 1919 COMPENSABILITY RATIOS, NUMBERS AND RATE.

Cause of Death	International List		6th Revision		Composite ability Ratio	Adjusted Deaths											
	5th Revision	6th Revision	1915			1916		1917		1918		1919		1920			
			Number	Rate		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Rheumatoid all forms . . . . .	(13-22)	(001-019)	1,082	46.4	1,093	44.0	936	40.5	891	38.8	858	37.4	825	36.8			
Tuberculosis, respiratory system	(13)	(001-008)	993	42.5	936	40.3	873	37.7	824	35.8	797	34.6	763	33.6			
Syphilitic . . . . .	(30)	(020-029)	225	9.6	191	8.2	146	6.3	119	7.8	105	6.8	92	5.5			
Influenza . . . . .	(33)	(480-483)	713	30.6	655	28.2	287	12.4	287	12.4	350	15.5	427	18.6			
Cancer . . . . .	(45-55)	(140-205)	1,035+	43.5	992	42.5	856	37.5	797	34.6	747	32.6	700	30.4			
Acute rheumatic fever . . . . .	(58)	(100-102)	1,467	61.5	1,398	58.6	1,298	55.7	1,208	52.1	1,108	47.8	1,008	43.5			
Diabetes mellitus . . . . .	(61)	(260)	223	9.6	230	9.9	225	9.7	257	11.2	220	9.6	220	9.6			
Cerebral hemorrhage, embolism, thrombosis, softening, etc. . . . .	(83)	(330-334)	1,979	84.8	1,897	81.6	2,010	86.9	2,135	92.7	1,911	84.7	1,847	80.7			
Diseases of the heart . . . . .	(90-95)	(110-143)	4,188	179.4	4,596	197.8	4,489	194.1	4,714	206.0	4,618	201.4	4,447	193.5			
Pneumonia, all forms . . . . .	(107-109)	(490-493)	1,179	50.5	981	42.3	851	36.8	867	37.6	799	34.9	763	33.6			
Pneumonia, all forms . . . . .	(121)	(550-553)	281	12.0	239	10.3	169	7.3	152	6.6	145	6.3	135	5.9			
Gonorrhea of the liver . . . . .	(121)	(590-594)	96	4.1	78	3.4	83	3.6	93	4.0	69	3.0	69	3.0			
Hepatitis . . . . .	(121)	(590-594)	679	29.1	609	26.2	538	23.3	502	22.3	532	23.2	517	22.6			
Organical malformations diseases produced by first year of life	(157-161)	(750-776)	1,310	55.1	1,395	60.0	1,121	48.5	1,283	55.7	1,185	51.7	1,105	47.8			
Accidents . . . . .	(169-215)	(880-892)	1,274	54.6	1,377	59.3	1,377	59.5	1,338	58.1	1,299	56.7	1,263	55.7			

TABLE C. RECORDED BIRTHS, STILLBIRTHS, DEATHS, INFANT AND NEONATAL DEATHS, NUMBERS AND RATE, BY COUNTY, OKLAHOMA, 1960

County	BIRTHS		STILLBIRTHS		DEATHS		INFANT DEATHS		NEONATAL DEATHS	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
ADAIR	148	11.3	1	6.8	120	9.9	6	40.5	5	31.8
ALFORD	76	7.1	3	40.5	109	10.5	4	54.1	3	40.5
BEAVER	135	19.4	1	7.4	51	7.3	16	32.8	14	28.7
BECKHAM	488	27.4	7	14.3	209	11.8	1	3.4	1	3.4
BELLEVILLE	186	15.2	3	5.6	137	11.3	1	1.5	1	1.5
BLADE	413	14.4	6	16.5	217	7.6	20	48.4	13	31.5
BOYD	296	11.9	5	17.0	193	7.8	6	20.4	6	20.4
BRADSHAW	806	20.6	14	17.4	437	11.2	18	23.3	14	17.4
CHEROKEE	636	35.6	14	22.0	167	9.4	13	20.4	10	15.7
CHOCTAW	271	27.5	3	11.1	230	14.5	3	25.8	4	14.8
CITRINE	30	20.0	1	11.1	28	16.9	1	31.6	3	31.6
CLEWLAND	910	19.1	9	9.9	435	5.1	22	26.2	17	18.7
COMANCHE	3,297	36.3	41	14.3	64	11.5	80	24.3	61	18.5
COTTON	292	3.6	1	12.4	532	5.9	80	24.3	61	18.5
CRAWFORD	500	14.6	10	16.9	366	9.0	9	15.3	8	13.6
CUSTER	1,013	48.1	19	18.8	336	16.0	32	31.6	22	21.7
DEWEE	83	6.3	1	7.8	72	5.5	1	2.4	1	2.4
DEWINE	32	2.3	1	11.7	33	16.3	3	22.4	3	22.4
ELLIS	1,367	25.2	16	11.7	637	12.0	31	22.7	27	19.8
GARVIN	587	20.7	7	11.9	250	8.8	4	6.8	2	3.4
GRADY	433	14.6	5	11.5	175	9.3	5	11.5	1	2.3
GREER	178	21.9	1	7.8	117	8.7	2	18.7	1	8.7
HADELSHILL	54	6.0	1	18.2	69	7.6	1	18.2	1	18.2
HUGHES	244	15.9	3	12.4	219	14.5	1	12.4	1	12.4
JOHNSON	143	11.7	1	5.2	97	11.8	17	18.0	10	10.6
JOHNSON	70	8.2	1	7.8	54	6.3	3	42.9	2	28.6
KEY	1,068	20.9	14	13.1	446	8.7	20	18.7	18	16.5
KINGFISHER	262	24.6	3	11.5	117	11.0	6	22.9	5	19.1
KITCHELL	443	36.4	9	24.7	135	11.0	7	22.9	6	12.7
LEFLORE	388	13.3	7	18.0	214	7.4	6	15.5	3	5.2
LEFLORE	326	17.4	2	6.1	201	12.3	4	12.3	3	9.2
LEFLORE	277	14.8	6	21.7	280	15.0	10	36.1	3	10.8
LEFLORE	2	0.1	1	4.8	28	4.8	1	5.4	1	5.4
LEFLORE	1	0.1	1	4.8	1	0.1	1	4.8	1	4.8
LEFLORE	283	10.9	1	3.5	126	8.3	12	45.4	4	14.1
LEFLORE	109	8.8	1	22.2	90	7.3	1	4.5	1	12.2
LEFLORE	45	6.2	1	22.2	31	7.0	1	2.6	1	2.6
LEFLORE	32	12.9	3	21.9	17	8.6	4	29.2	1	14.6
LEFLORE	1,397	22.6	29	20.8	1,011	16.3	54	35.7	42	30.1
LEFLORE	191	18.4	1	5.2	87	16.3	3	15.7	3	15.7
LEFLORE	200	18.4	2	10.0	118	10.9	5	25.0	2	20.0
LEFLORE	20	2.4	2	10.0	18	8.0	2	25.0	4	20.0
LEFLORE	12	1.7	1	10.0	9	9.0	1	25.0	4	20.0
LEFLORE	12	1.7	1	10.0	9	9.0	1	25.0	4	20.0
LEFLORE	401	12.4	8	20.0	395	10.7	11	27.4	6	15.0
LEFLORE	540	19.1	7	13.4	244	7.5	11	27.4	6	15.0
LEFLORE	422	22.2	9	12.4	303	10.7	12	22.2	9	16.7
LEFLORE	1,025	11.9	7	13.4	425	11.9	15	28.9	5	20.7
LEFLORE	685	19.9	5	7.3	434	12.6	13	13.0	11	18.2
LEFLORE	604	21.5	9	14.9	385	9.4	14	23.2	11	18.2
LEFLORE	711	17.6	14	12.5	388	9.6	18	24.6	16	21.9
LEFLORE	160	10.1	2	12.5	98	7.4	3	25.0	2	12.5
LEFLORE	632	30.7	15	23.7	196	9.4	10	20.6	8	17.4
LEFLORE	428	15.2	7	16.4	283	9.4	13	23.4	11	18.2
LEFLORE	721	17.6	14	12.5	388	9.6	18	24.6	16	21.9
LEFLORE	160	10.1	2	12.5	98	7.4	3	25.0	2	12.5
LEFLORE	218	12.1	3	11.3	135	7.5	10	14.1	8	11.3
LEFLORE	707	18.6	8	11.3	283	7.4	10	14.1	8	11.3
LEFLORE	166	11.3	4	18.1	134	7.1	4	6.0	4	6.0
LEFLORE	824	23.5	99	12.2	2,777	8.0	212	26.1	159	19.6
LEFLORE	175	9.6	1	6.7	305	6.8	5	33.3	4	26.0
LEFLORE	875	20.7	11	12.6	352	7.7	20	22.9	14	16.0
LEFLORE	240	20.1	4	16.7	121	10.1	9	20.8	5	11.3
LEFLORE	240	20.1	4	16.7	121	10.1	9	20.8	5	11.3
LEFLORE	358	25.8	7	19.6	284	20.4	8	22.3	8	22.3

\*Rates represent number per 1,000 estimated population. Rates represent number per 1,000 live births. All figures in this table are by place of occurrence.

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1960

Cause	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total deaths, all causes*	2,298,206		2,110,511		151,096		64,699	
Tuberculosis of respiratory system (001-008)	22,932	9.8	20,458	9.7	1,875	12.2	999	9.3
Tuberculosis of meninges and central nervous system (010)	152	6.5	115	5.4	16	10.5	21	32.5
Tuberculosis of intestines, peritoneum and mesenteric gland (011)	3	0.1	2	0.1	-	-	1	1.5
Tuberculosis of lymphatic system (012)	-	-	-	-	-	-	-	-
Tuberculosis of bone and joint (013)	-	-	-	-	-	-	-	-
Tuberculosis of pleura (014-019)	6	0.3	2	0.1	2	1.3	2	3.1
Concurrent syphilis (020)	-	-	-	-	-	-	-	-
Early syphilis (021)	1	0.0	-	-	-	-	-	-
Secondary syphilis (022)	1	0.0	-	-	-	-	-	-
Tobacco dysplasia (023)	1	0.0	-	-	-	-	-	-
Tuberculosis of the eye (024)	2	0.1	-	-	-	-	-	-
Generalized paratyphoid fever (025-029)	1	0.0	-	-	-	-	-	-
Acute infectious encephalitis (030-035)	28	1.2	26	1.1	3	2.0	1	1.5
Conjunctival infection (030-035)	1	0.0	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-
Paratyphoid fever and other salmonella infections (041, 042)	-	-	-	-	-	-	-	-
Cholera (043)	-	-	-	-	-	-	-	-
Bronchiolitis (infectious) (044)	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	10	0.4	6	0.3	2	1.3	2	3.1
Scarlet fever (050)	1	0.1	1	0.0	-	-	-	-
Strepococcal sore throat (051)	1	0.0	-	-	-	-	-	-
Strepococcal meningitis (052)	1	0.0	-	-	-	-	-	-
Septicemia and pneumonia (053)	38	1.6	32	1.5	3	2.0	3	4.6
Diphtheria (055)	1	0.0	-	-	-	-	-	-
Whooping cough (056)	3	0.1	1	0.0	2	1.3	1	1.5
Measles (060)	9	0.4	5	0.2	2	1.3	2	3.1
Scarlet fever (061)	-	-	-	-	-	-	-	-
Tetanus (062)	6	0.3	2	0.1	4	2.6	-	-
Acute hemorrhagic encephalitis (063)	5	0.2	3	0.1	1	0.7	-	-
Acute infectious encephalitis (063, 063)	2	0.1	2	0.1	-	-	-	-
Smallpox (064)	7	0.3	4	0.2	3	2.0	3	4.6
Measles (065)	7	0.3	4	0.2	3	2.0	3	4.6
Yellow fever (066)	12	0.5	11	0.5	1	0.7	-	-
Rabies (066)	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-
Malaria (110-117)	1	0.0	1	0.0	-	-	-	-
Relapsing fever (118)	-	-	-	-	-	-	-	-
Brill disease (125)	-	-	-	-	-	-	-	-
Fluorosis (127)	-	-	-	-	-	-	-	-
Amphistomatias (129)	-	-	-	-	-	-	-	-
Other diseases due to helminths (124, 126, 128)	-	-	-	-	-	-	-	-
All other diseases classified as infectious and parasitic (096-099, 049, 054, 059, 063-074, 086-090, 093, 095, 096, 120-122, 121-128)	36	1.5	25	1.2	5	3.3	4	6.2
Malignant neoplasm of buccal cavity and pharynx (140-149)	68	2.9	63	3.0	3	2.0	2	3.1
Malignant neoplasm of esophagus (150)	43	1.8	39	1.8	4	2.6	5	7.7
Malignant neoplasm of stomach (151)	253	10.9	227	10.8	21	13.7	5	7.7
Malignant neoplasm of intestine, except rectum (152, 153)	310	13.2	285	13.5	17	11.1	8	12.4
Malignant neoplasm of colon (154)	86	3.7	80	3.8	3	2.0	3	4.6
Malignant neoplasm of larynx (161)	23	1.1	21	1.0	4	2.6	-	-
Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary (162, 163)	463	21.2	456	21.7	28	18.3	7	10.9
Malignant neoplasm of thyroid gland (164)	265	10.5	226	10.6	11	7.1	6	9.3
Malignant neoplasm of cervix uteri (171)	133	5.7	112	5.3	15	9.8	4	6.2
Malignant neoplasm of other and unspecified parts of uterus (172-176)	91	3.9	71	3.4	18	11.8	2	3.1
Malignant neoplasm of prostate (177)	211	9.1	182	8.6	25	16.3	4	6.2
Malignant neoplasm of testis (178)	76	3.1	73	3.2	3	2.0	-	-
Malignant neoplasm of bone and connective tissue (196, 197)	42	1.8	40	1.9	2	1.3	-	-

\*Rates from specific causes represent number per 100,000 estimated population. Rates represent number per 1,000 estimated population.

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1960 (Continued)

Cause	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Nonlipoprotein neoplasm of all other and unspecified sites (155-160, 164, 165, 175, 176, 178-181, 192-195, 198, 199)	1,013	43.5	977	44.4	59	38.5	17	26.3
Lipoprotein neoplasm of all other and unspecified sites (200-203, 205)	208	8.9	194	9.2	13	8.5	1	1.5
Lymphosarcoma and other neoplasms (200-203, 205)	166	7.1	135	7.3	9	5.9	2	3.1
Benign neoplasms and neoplasms of unspecified nature (210-219)	62	2.7	53	2.5	8	5.2	1	1.5
Non-carcinoma (220, 221) and polyp (222)	12	0.5	9	0.4	2	1.3	1	1.5
Diabetes mellitus (560)	398	17.1	338	16.0	39	25.5	21	32.5
Avitaminosis and other deficiency states (230-286)	35	1.5	31	1.5	2	1.3	2	3.1
Amnion (290-293)	45	1.9	37	1.8	7	4.6	1	1.5
Alcoholism (294-296)	199	8.5	179	8.5	17	11.1	3	4.6
Alcoholic and blood diseases (240-245)	33	1.4	27	1.3	5	3.3	1	1.5
Psychoses (300-309)	30	1.3	23	1.1	2	1.3	5	7.7
Psychoneuroses and disorders of personality (310-324, 326) (325)	9	0.4	8	0.4	-	-	1	1.5
Neurotic lesions affecting central nervous system (330-336)	3,028	130.5	2,739	129.8	232	164.6	47	72.7
Nontraumatic meningitis (340)	24	1.0	19	0.9	4	2.6	1	1.5
Multiple sclerosis (345)	14	0.6	11	0.5	1	0.7	2	3.1
Inflammatory diseases of eye (370-379)	1	0.0	-	-	-	-	-	-
Cataract (385)	1	0.0	-	-	-	-	-	-
Glaucoma (387)	2	0.1	1	0.0	1	0.7	-	-
Optic media and maculopathy (391-393)	-	-	-	-	-	-	-	-
Alzheimer's disease (394-396)	125	5.9	113	5.6	10	6.5	4	6.2
Alzheimer's disease (394-396)	13	0.6	13	0.6	-	-	4	6.2
Rheumatoid fever (400-402)	133	5.7	119	5.6	10	6.5	4	6.2
Chronic rheumatic heart disease (410-416)	6,236	268.7	5,889	279.0	284	185.5	83	128.3
Arteriosclerosis (420-422)	561	24.1	506	24.0	40	26.1	15	23.2
Other diseases of heart (430-433)	699	30.0	579	27.4	104	67.9	16	24.7
Hypertension with heart disease (440-443)	160	6.9	129	6.1	27	17.6	4	6.2
Other diseases of circulatory system (444-447)	584	25.1	528	25.0	46	30.0	10	15.5
Other diseases of circulatory system (460-468)	114	4.9	102	4.8	9	5.9	3	4.6
Acute upper respiratory infections (470-473)	11	0.5	11	0.5	-	-	-	-
Influenza (480-483)	127	5.5	97	4.6	25	16.3	5	7.7
Lobar pneumonia (490)	76	3.3	64	3.0	10	6.5	2	3.1
Bronchopneumonia (491)	334	13.9	280	13.3	33	21.6	11	17.0
Primary atypical, other and unspecified pneumonia (492, 493)	287	12.3	264	11.6	28	18.3	15	23.2
Acute infectious bronchitis and unqualified (501, 502)	43	1.8	39	1.8	2	1.3	2	3.1
Hypertrophy of tonsils and adenoids (510)	2	0.1	1	0.0	2	1.3	1	1.5
Epyrrophy and abscess of lung (518, 521)	8	0.3	8	0.4	-	-	-	-
Pharyngitis (519)	236	10.1	222	10.5	14	9.1	-	-
Acute infectious diseases (511-517)	3	0.1	3	0.1	4	2.6	6	9.3
Diseases of teeth and supporting structures (530-535)	62	2.8	56	2.7	4	2.6	-	-
Ulcer of stomach (540)	60	2.6	56	2.7	4	2.6	-	-
Other diseases of stomach (541)	2	0.1	1	0.0	1	0.7	-	-
Gastritis and duodenitis (543)	36	1.5	28	1.3	5	3.3	3	4.6
Appendicitis (550-553)	120	5.2	106	5.0	10	6.5	4	6.2
Intestinal obstruction and hernia (560, 561, 570)	102	4.4	80	3.8	14	9.1	8	12.4
Constipation of the medium (571, 572)	178	7.6	155	7.3	10	6.5	13	20.1
Cholelithiasis of liver (581)	80	3.4	71	3.4	3	2.0	6	9.3
Cholelithiasis and cholecystitis (584, 585)	-	-	-	-	-	-	-	-

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1960 (Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Other diseases of digestive system (535-539, 542, 544, 545, 573-579, 582, 583, 586, 587) . . . . .	166	8.0	163	7.6	17	11.1	8	12.4
Acute nephritis (590) . . . . .	12	0.5	10	0.5	1	0.7	1	1.5
Chronic nephritis and unspecified nephritis (591-594) . . . . .	216	9.3	156	7.4	52	34.0	8	12.4
Infections of kidney (600) . . . . .	125	5.4	106	5.0	15	9.8	4	6.2
Calculi of urinary system (602, 604) . . . . .	13	0.6	7	0.3	6	3.9	1	1.5
Hyperplasia of prostate (602) . . . . .	89	3.7	77	3.2	9	5.9	-	-
Prostate cancer (603) . . . . .	45	1.9	40	1.9	2	1.3	3	4.6
Other diseases of genitourinary system (601, 603, 605-609, 611-617, 622-637) . . . . .	-	-	-	-	-	-	-	-
Sepsis of pregnancy, childbirth and the puerperium (640, 641, 681, 682, 684) . . . . .	-	-	-	-	-	-	-	-
Septicemia (685, 686) . . . . .	6	0.3	5	0.2	-	-	1	1.5
Haemorrhage of pregnancy and childbirth (643, 644, 670-672) . . . . .	2	0.1	2	0.1	-	-	-	-
Abortion without mention of sepsis or septicemia (680) . . . . .	1	0.0	1	0.0	-	-	-	-
Other complications of pregnancy, childbirth and the puerperium (645-649, 660, 673-680, 683, 687-689) . . . . .	10	0.4	6	0.3	4	2.6	2	3.1
Infections of skin and subcutaneous tissue (700-725) . . . . .	10	0.4	8	0.4	6	3.9	2	1.5
Arthritis and polyarthritis (720-725) . . . . .	31	1.3	24	1.1	4	2.6	-	-
Muscular rheumatism and rheumatism unspecified (726, 727) . . . . .	2	0.1	2	0.1	-	-	-	-
Osteomyelitis and periostitis (728) . . . . .	4	0.2	4	0.2	-	-	-	-
Arthritis and osteomyelitis (729) . . . . .	2	0.1	2	0.1	-	-	-	-
All other diseases of skin and musculo-skeletal system (700-716, 731-736, 738-744) . . . . .	23	1.4	25	1.2	5	3.3	2	3.1
Embolism and thrombosis of circulatory system (754) . . . . .	21	0.9	19	0.9	1	0.7	1	1.5
Cerebral malformations of circulatory system (754) . . . . .	128	5.5	112	5.3	13	8.5	3	4.6
All other congenital malformations (750) . . . . .	103	4.4	92	4.4	7	4.6	4	6.2
Birth injuries (760, 761) . . . . .	108	4.6	92	4.4	13	8.5	3	4.6
Birth injuries of newborn (762) . . . . .	185	7.9	151	7.2	24	15.7	10	15.5
Infections of the newborn (763-768) . . . . .	21	0.9	26	1.7	9	5.9	5	7.7
Hemolytic disease of newborn (770) . . . . .	21	0.9	21	1.0	-	-	-	-
All other defined diseases of early infancy (769, 771, 772) . . . . .	33	1.4	27	1.3	4	2.6	2	3.1
Infancy and immaturity unspecified (773-776) . . . . .	381	16.4	303	14.4	64	41.8	14	21.6
Senility without mention of psychosis (780) . . . . .	108	4.6	95	4.5	11	7.2	2	3.1
Senility with mention of psychosis (780-789) . . . . .	894	38.4	731	34.6	129	84.3	26	52.6
Motor-vehicle accidents (880-883) . . . . .	687	29.5	610	28.9	35	22.9	42	64.9
Other transport accidents (880-8802) . . . . .	69	3.0	64	3.0	5	3.3	1	1.5
Accident caused by fire and explosion of combustible material (8916) . . . . .	37	1.5	31	1.5	5	3.3	1	1.5
Accident caused by fire and explosion of other material (8917, 8918) . . . . .	40	1.7	37	1.8	1	0.7	2	3.1
Accident caused by firearm (8919) . . . . .	5	0.2	4	0.2	1	0.7	2	3.1
Accidental drowning and submersion (8920) . . . . .	85	3.7	73	3.5	9	5.9	6	9.3
Accidental electrocution (8921) . . . . .	32	1.4	31	1.5	1	0.7	1	1.5
All other accidental causes (8910, 8911, 8912-8915, 8922-8929) . . . . .	228	9.7	187	8.9	27	17.6	12	18.6
Birth injuries postnatal asphyxia and atelectasis (760-762) . . . . .	238	10.2	224	10.6	10	6.5	4	6.2
Head and injury primarily inflicted by other person (not in pass) (E904, E905, E906-8907) . . . . .	133	5.7	81	3.8	41	26.8	11	17.0
Head and injury primarily inflicted by other person (not in pass) (E904, E905, E906-8907) . . . . .	-	-	-	-	-	-	-	-
Head and injury primarily inflicted by other person (not in pass) (E904, E905, E906-8907) . . . . .	-	-	-	-	-	-	-	-

TABLE II. RESIDENT DEATHS, DEATHS, AND DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1960

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live births* . . . . .	50,900	21.9	43,669	20.8	4,679	30.6	2,252	34.8
Physician in hospital . . . . .	49,318	20.5	42,564	20.5	4,160	30.6	2,138	33.3
Physician not in hospital . . . . .	1,087	0.5	1,005	0.5	20	0.1	20	0.3
Midwife, nurse, or unknown . . . . .	686	3.4	525	2.5	346	25.7	48	7.4
Physician in hospital . . . . .	655	3.2	510	2.4	98	7.2	47	7.2
Physician not in hospital . . . . .	20	0.1	13	0.1	9	0.1	1	0.1
Midwife, nurse, or unknown . . . . .	22,932	9.8	20,458	9.7	9	0.1	1	0.1
Total deaths, all causes . . . . .	1,297	5.2	993	4.8	1,875	12.2	599	9.3
Deaths under 1 month . . . . .	939	3.8	768	3.7	132	10.5	75	11.3
Tuberculosis, other forms (010-019) . . . . .	152	0.6	115	0.5	16	0.1	21	0.3
Syphilis and other venereal diseases (050-059) . . . . .	9	0.0	2	0.0	4	0.0	1	0.0
Dysentery, all forms (045-048) . . . . .	32	0.1	27	0.1	2	0.0	1	0.0
Scarlet fever and streptococcal sore throat (050, 051) . . . . .	10	0.0	6	0.0	2	0.0	2	0.0
Diphtheria (053) (056) . . . . .	2	0.0	2	0.0	-	-	-	-
Whooping cough (054) . . . . .	3	0.0	1	0.0	1	0.0	1	0.0
Measles (060) . . . . .	9	0.0	5	0.0	2	0.0	2	0.0
Acute poliomyelitis (080) . . . . .	3	0.0	3	0.0	-	-	-	-
Smallpox (086) . . . . .	7	0.0	4	0.0	-	-	-	-
Measles (088) . . . . .	7	0.0	4	0.0	-	-	-	-
Scarlet fever and streptococcal diseases (100-109) . . . . .	1	0.0	1	0.0	-	-	-	-
All other diseases classified as Infective and parasitic (030-039, 041, 042, 043, 044, 045, 046-049, 050-059, 060-069, 070-079, 080-089, 090-099) . . . . .	101	4.3	80	3.8	14	9.1	7	10.8
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205) . . . . .	3,463	14.8	3,161	14.9	260	15.8	62	95.8
Breast cancer (140-205) . . . . .	1,087	4.7	1,005	4.8	8	5.2	1	1.5
Colon cancer (140-205) . . . . .	398	1.7	338	1.6	39	2.1	21	32.5
Anal cancer (140-205) . . . . .	45	1.9	37	1.8	7	4.6	1	1.5
Vascular lesions affecting central nervous system (300-334) . . . . .	3,038	13.0	2,739	12.9	252	16.6	47	72.7
Nonmalignant meningitis (340) . . . . .	24	0.1	19	0.0	4	0.0	1	1.5
Rheumatic fever (400-402) . . . . .	133	0.6	119	0.5	10	0.0	4	6.2
Arteriosclerosis (403-404) . . . . .	133	0.6	119	0.5	10	0.0	4	6.2
Arteriovenous and degenerative heart disease (420-422) . . . . .	6,256	26.7	5,889	27.9	284	18.5	83	128.3
Other diseases of heart (430-434) . . . . .	561	2.4	506	2.4	40	2.4	15	23.2
Hypertension with heart disease (440-443) . . . . .	699	3.0	624	3.0	104	6.5	16	24.1
Myocardial infarction (440-443) . . . . .	160	0.7	129	0.6	27	1.7	4	6.2
Infarctus (440-443) . . . . .	160	0.7	129	0.6	27	1.7	4	6.2
Pneumonia (480-483) . . . . .	687	2.9	588	2.7	25	1.6	3	4.5
Bronchitis (500-502) . . . . .	1,227	5.2	1,077	5.0	71	4.6	28	42.9
Pneumonia, unspecified (500-502) . . . . .	687	2.9	588	2.7	25	1.6	3	4.5
Appendicitis (530-533) . . . . .	126	0.5	112	0.5	8	0.0	6	9.3
Intestinal obstruction and hernia (560, 561, 570) . . . . .	36	0.1	36	0.1	5	0.0	3	4.6
Gastritis, duodenitis, enteritis and colitis (570-572) . . . . .	120	0.5	106	0.5	10	0.0	4	6.2
Chronic diarrhea of the newborn (945, 571, 572) . . . . .	104	0.4	81	0.4	15	0.9	8	12.4
Cirrhosis of liver (581) . . . . .	178	0.7	155	0.7	10	0.0	13	20.1
Nephritis and nephrosis (590-594) . . . . .	228	0.9	166	0.8	53	3.6	9	13.9
Hypertrophy of prostate (610) . . . . .	86	3.7	77	3.6	4	0.0	1	1.5
Complications of pregnancy, childbirth and the puerperium (640-649) . . . . .	19	0.0	14	0.0	4	0.0	1	1.5
Congenital malformations (750-759) . . . . .	252	10.8	223	10.6	21	13.7	8	12.4
Birth injuries postnatal asphyxia and atelectasis (760-762) . . . . .	293	12.6	243	11.7	37	26.2	13	20.1
Head and injury primarily inflicted by other person (not in pass) (E904, E905, E906-8907) . . . . .	435	18.7	351	16.6	68	44.4	16	24.7
Senility without mention of psychosis (780) . . . . .	1,002	43.0	906	40.1	140	91.5	36	55.7
Senility with mention of psychosis (780-789) . . . . .	1,687	69.9	1,466	68.8	159	103.9	59	91.2
All other defined and unknown causes (780-795) . . . . .	903	38.8	788	37.3	85	55.5	40	64.4
All other accidents (880-8802, 8840-8962) . . . . .	218	10.2	224	10.6	10	6.5	4	6.2
Suicide and self-inflicted injury (E963, E970-E979) . . . . .	133	5.7	81	3.8	41	26.8	11	17.0
Head and operations of war (E904, E905, E906-8907) . . . . .	-	-	-	-	-	-	-	-





TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1960 (Continued)

Cause of Death	10-14 Years						15-19 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	59	36	7	5	2	1	123	46	15	2	9	2
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	1	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Bacterial fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Mumps (065)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (096)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever (086)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Trypans and other rickettsial diseases (100-109)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	1	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	-	-	-	-	-	-	4	7	1	-	-	-
Benign and unspecified neoplasms (210-239)	8	5	1	1	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	1	1	-	-	-	-	-	-	-	-	-	-
Amenias (290-293)	1	1	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	-	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	2	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	1	1	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	1	1	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	1	1	-	-	-	-	-	-	-	-	-	-
Bronchitis (500-502)	1	1	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	1	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertrophy of prostate (610)	2	2	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (730-739)	4	3	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis of the newborn (760-768)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immature unqualified (769-780)	-	-	-	-	-	-	-	-	-	-	-	-
Senile dementia (780-795)	1	1	-	-	-	-	-	-	-	-	-	-
Defined and unknown causes (780-795)	2	3	-	-	-	-	-	-	-	-	-	-
All other diseases (Residual)	18	9	-	-	-	-	55	22	2	-	4	1
Motor-vehicle accidents (830-833)	1	1	-	-	-	-	29	6	-	-	3	-
All other accidents (880-889, 890-896)	1	1	-	-	-	-	4	1	1	-	-	-
Stab and self-inflicted injury (895)	-	-	-	-	-	-	4	1	1	-	-	-
Homicide and operations of war (894, 895, 896-899)	-	-	-	-	-	-	6	-	2	-	-	2

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1960 (Continued)

Cause of Death	20-24 Years						25-34 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	116	42	12	8	11	4	229	106	37	21	16	10
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	2	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	1	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Bacterial fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Mumps (065)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (096)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever (086)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Trypans and other rickettsial diseases (100-109)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	-	-	-	-	-	2	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	8	4	1	1	2	-	24	22	3	5	1	1
Benign and unspecified neoplasms (210-239)	2	1	-	-	-	-	5	6	-	-	-	-
Diabetes mellitus (260)	1	1	-	-	-	-	1	1	-	-	-	-
Amenias (290-293)	2	1	-	-	-	-	2	2	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	-	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	1	-	-	-	-	6	5	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	4	1	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	1	1	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	1	1	-	-	-	-	-	-	-	-	-	-
Bronchitis (500-502)	1	1	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	1	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	1	-	-	-	-	-	-	-	-	-	-
Hypertrophy of prostate (610)	1	1	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	4	3	-	-	-	-	2	7	2	-	-	-
Congenital malformations (730-739)	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis of the newborn (760-768)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immature unqualified (769-780)	-	-	-	-	-	-	-	-	-	-	-	-
Senile dementia (780-795)	1	1	-	-	-	-	-	-	-	-	-	-
Defined and unknown causes (780-795)	5	6	-	-	-	-	12	11	1	3	1	-
All other diseases (Residual)	51	13	-	-	-	-	60	13	4	1	8	3
Motor-vehicle accidents (830-833)	1	1	-	-	-	-	44	4	-	-	-	-
All other accidents (880-889, 890-896)	4	4	-	-	-	-	19	7	1	-	-	-
Stab and self-inflicted injury (895)	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (894, 895, 896-899)	6	3	-	-	-	-	15	1	9	1	2	1

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1960 (Continued)

Cause of Death	35-44 Years						45-54 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes . . . . .	414	258	45	47	21	22	1,148	529	102	79	33	26
Tuberculosis of respiratory system (001-003)	5	2	1	-	-	-	15	4	2	1	3	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	1	1	-	-	-	-
Syphilis and tertiary syphilis (020-029)	-	-	-	-	-	-	1	1	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	1	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (052) (056)	-	-	-	-	-	-	-	-	-	-	-	-
Neisseria meningitidis (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	1	-	-	-	-	-
All other diseases classified as infective (120-138)	-	-	-	-	-	-	2	2	-	-	-	-
Multiple myeloma, including neoplasms of lymphatic and hematopoietic tissues (200-209)	60	86	5	4	1	3	186	212	14	20	1	5
Benign and unspecified neoplasms (210-239)	3	1	-	-	-	-	5	10	3	7	-	2
Diabetes mellitus (260)	5	9	-	-	-	-	13	9	-	-	-	-
Amebiasis (290-293)	-	-	-	-	-	-	2	-	-	-	-	-
Vascular lesions affecting central nervous system (340)	15	9	4	7	1	-	31	29	6	9	2	2
Neurorheumatoid meningitis (340)	1	1	-	-	-	-	1	1	-	-	-	-
Rheumatic fever (400-402)	1	3	1	2	-	-	2	8	-	1	-	-
Chronic rheumatic heart disease (410-416)	3	1	-	-	-	-	10	1	-	-	-	-
Myocardial degenerative heart disease (420-422)	96	17	6	3	4	2	410	58	14	9	3	
Other diseases of heart (430-434)	2	3	1	-	-	-	30	11	5	6	2	1
Hypertension with heart disease (440-443)	6	3	-	-	-	-	11	11	-	-	-	-
Hypertension without mention of heart disease (444-447)	3	4	1	4	-	-	9	4	2	2	1	1
Influenza (480-483)	7	3	-	-	-	-	3	3	4	3	1	1
Pneumonia (490-493)	4	3	-	-	-	-	17	7	-	-	-	-
Bronchitis (500-502)	4	3	-	-	-	-	4	4	-	-	-	-
User of stomach and duodenum (540, 541)	4	3	-	-	-	-	14	1	3	-	1	-
Appendicitis (550-553)	1	1	-	-	-	-	1	1	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	2	1	-	-	-	9	6	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570-581)	6	3	-	-	-	-	1	2	1	1	1	1
Cirrhosis of liver (581)	6	3	-	-	-	-	32	11	4	1	1	1
Nephritis and nephrosis (590-594)	1	1	-	-	-	-	9	12	4	1	1	1
Hypertrophy of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	1	3	1	2	-	-	2	2	1	1	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and asphyxia (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases similar to early infancy and immaturity (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Scyllia without mention of psychotics, ill-defined and unknown causes (780-795)	16	8	2	5	3	3	76	25	13	9	2	2
All other diseases (Residual)	30	53	4	4	1	1	69	8	8	4	5	6
Motor-vehicle accidents (E810-E835)	49	17	4	1	1	1	48	22	7	2	1	1
All other accidents (E800-E802, E804-E802)	52	16	3	1	2	1	85	17	5	2	3	-
Suicide and self-inflicted injury (E965, E970-E979)	34	12	3	3	1	1	37	8	1	1	-	-
Homicide and operations of war (E984, E985, E990-E999)	10	3	7	5	2	1	10	1	6	1	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1960 (Continued)

Cause of Death	55-64 Years						65-74 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes . . . . .	2,028	933	151	139	64	42	3,007	1,728	208	160	61	40
Tuberculosis of respiratory system (001-003)	30	5	-	2	-	-	17	7	2	-	-	2
Tuberculosis, other forms (010-019)	2	-	-	-	-	-	1	1	-	-	-	1
Syphilis and tertiary syphilis (020-029)	8	-	-	-	-	-	10	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	1	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (052) (056)	-	-	-	-	-	-	-	-	-	-	-	-
Neisseria meningitidis (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective (120-138)	7	3	1	-	1	-	10	5	1	-	1	-
Multiple myeloma, including neoplasms of lymphatic and hematopoietic tissues (200-209)	284	298	31	33	6	13	517	379	40	17	6	10
Benign and unspecified neoplasms (210-239)	7	9	1	2	-	-	3	6	4	7	5	1
Diabetes mellitus (260)	18	30	2	6	3	6	50	52	4	7	5	1
Amebiasis (290-293)	-	-	-	-	-	-	8	-	-	-	-	-
Vascular lesions affecting central nervous system (340)	165	111	17	18	3	4	351	258	30	40	7	5
Neurorheumatoid meningitis (340)	1	1	1	1	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	2	2	-	-	-	-	1	10	1	2	-	-
Chronic rheumatic heart disease (410-416)	20	15	-	1	2	-	12	1	-	-	-	-
Myocardial degenerative heart disease (420-422)	773	206	26	20	16	4	1,115	516	41	34	13	6
Other diseases of heart (430-434)	53	13	4	6	6	4	81	38	6	4	1	2
Hypertension with heart disease (440-443)	27	20	8	12	1	1	80	78	8	15	3	2
Hypertension without mention of heart disease (444-447)	11	3	1	2	-	-	17	12	2	4	-	-
Influenza (480-483)	4	3	1	1	1	1	7	10	4	1	-	-
Pneumonia (490-493)	47	10	2	2	2	1	69	32	6	2	1	1
Bronchitis (500-502)	8	4	1	1	-	-	13	1	-	-	-	-
User of stomach and duodenum (540, 541)	23	3	3	1	1	1	20	3	1	1	2	-
Appendicitis (550-553)	6	2	1	1	-	-	2	5	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	7	8	1	2	-	2	16	5	1	-	1	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570-581)	5	3	-	-	1	-	7	9	1	-	-	-
Cirrhosis of liver (581)	26	11	2	5	1	1	26	11	2	1	1	1
Nephritis and nephrosis (590-594)	10	7	2	1	1	1	14	12	4	-	-	-
Hypertrophy of prostate (610)	4	-	-	-	-	-	16	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	1	3	1	-	-	-	2	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and asphyxia (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases similar to early infancy and immaturity (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Scyllia without mention of psychotics, ill-defined and unknown causes (780-795)	116	40	12	12	4	1	142	53	16	9	4	4
All other diseases (Residual)	142	13	11	11	5	3	259	145	26	13	8	4
Motor-vehicle accidents (E810-E835)	51	21	1	3	3	1	45	30	4	2	2	-
All other accidents (E800-E802, E804-E802)	52	15	9	3	3	1	55	41	4	5	-	-
Suicide and self-inflicted injury (E965, E970-E979)	29	9	3	3	-	-	35	2	-	1	-	-
Homicide and operations of war (E984, E985, E990-E999)	10	3	1	1	-	-	7	2	-	1	-	-

TABLE III. RESIDENT DEATHS BY INTERCATIONAL ABBREVIATED LIST OF 56 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1960 (Continued)

Cause of Death	75-84 Years				55 Years and Over			
	White	Negro	Indian	Total	White	Negro	Indian	Total
Total deaths, all causes	2,873	2,513	196	5,582	1,405	1,529	107	3,041
Tuberculosis of respiratory system (001-008)	16	5	1	22	1	4	1	6
Unlabeled tuberculosis (009-010)	5	1	1	7	2	1	1	4
Spinal tuberculosis (020-022)	5	1	1	7	2	1	1	4
Typhoid fever (040)	1	1	1	3	1	1	1	3
Scarlet fever and streptococcal sore throat (050, 051-055)	1	1	1	3	1	1	1	3
Diphtheria (056)	1	1	1	3	1	1	1	3
Whooping cough (056)	1	1	1	3	1	1	1	3
Neuroleptospirosis (057)	1	1	1	3	1	1	1	3
Acute poliomyelitis (080)	1	1	1	3	1	1	1	3
Measles (085)	1	1	1	3	1	1	1	3
Typhus and other rickettsial diseases (100-108)	1	1	1	3	1	1	1	3
Malaria (110-117)	1	1	1	3	1	1	1	3
Cholera (020-022)	1	1	1	3	1	1	1	3
Bacterial dysentery (030-032)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	3
Amoebiasis (030-032)	1	1	1	3	1	1	1	3
Paratyphoid fever (040)	1	1	1	3	1	1	1	3
Shigellosis (030-032)	1	1	1	3	1	1	1	

TABLE V. RESIDENT DEATHS, DEATHS AND DEATHS BY REPORTABLE CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, CALIFORNIA, 1950

Cause enumeration, April 1, 1950	AMHERST						ALPHEA						ARONA					
	Total		Race		Total		Race		Total		Race		Total		Race			
	No.	Rate	Wh.	Neg.	Wh.	Rate	Wh.	Rate	Wh.	Rate	Wh.	Neg.	Wh.	Neg.	Wh.	Rate		
Live births*	306	23.3	176	130	118	14.0	118	11.8	159	15.4	129	10	20	137	13.7	129	12.9	
Physician in hospital	297	22.7	170	127	116	11.6	116	11.6	137	13.7	113	10	18	137	13.7	113	11.3	
Physician not in hospital	8	...	6	2	...	...	...	...	17	...	15	1	1	17	...	15	1.5	
Midwife, other, or unknown	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Physician in hospital	6	15.6	3	3	4.2	4.2	4.2	5	12.5	3	3	1	1	5	12.5	3	3	
Physician not in hospital	6	...	3	3	...	...	...	...	1	...	1	1	1	1	...	1	1	
Midwife, other, or unknown	170	13.0	132	38	122	14.4	122	12.2	127	12.3	111	8	8	127	12.3	111	11.1	
Total deaths, all causes*	170	13.0	132	38	122	14.4	122	12.2	127	12.3	111	8	8	127	12.3	111	11.1	
Deaths under 1 year	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Deaths under 1 month	6	19.6	3	3	...	...	...	...	6	37.7	5	1	1	6	37.7	5	5	
Deaths under 1 week	3	22.9	1	2	11.8	11.8	11.8	11.8	1	9.7	1	1	1	1	9.7	1	1	
Tuberculosis, other forms (010-019)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Syphilis and its sequelae (020-029)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Syphilis and its sequelae (020-029)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Scarlet fever and streptococcal sore throat (050, 051)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Diphtheria (059)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Whooping cough (056)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Neurocysticercosis (057)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Acute poliomyelitis (080)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Smallpox (086)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Measles (085)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Typhus and other rickettsial diseases (100-109)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Malaria (110-117)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 045, 052-054, 059-074, 081-083, 086-096, 040, 052-054, 059-074, 081-083, 086-096, 100-138)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	22	167.8	18	4	21	24.8	21	21	26	231.2	23	3	3	26	231.2	23	23	
Benign and unspecified neoplasms (210-239)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Brain and unspecified neoplasms (210-239)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Bladder and unspecified neoplasms (210-239)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Arteriovenous aneurysm (240)	7	100.5	5	2	11.8	11.8	11.8	11.8	4	38.6	3	1	1	4	38.6	3	3	
Aneurysm (240)	7	...	5	2	...	...	...	...	7	...	5	2	2	7	...	5	5	
Aneurysm (240)	7	...	5	2	...	...	...	...	7	...	5	2	2	7	...	5	5	
Vascular lesions affecting central nervous system (330-334)	19	144.9	14	5	21	24.8	21	21	11	106.3	9	2	2	11	106.3	9	9	
Nonmeningeal meningitis (340)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Rheumatic fever (400-402)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Chronic rheumatic heart disease (410-416)	35	266.9	31	4	46	54.7	46	46	40	386.4	39	1	1	40	386.4	39	39	
Arteriosclerotic and degenerative heart disease (420-422)	5	38.1	5	...	...	...	...	...	5	...	5	5	5	5	...	5	5	
Other diseases of heart (430-434)	6	45.8	5	1	11.2	11.2	11.2	11.2	4	38.6	3	1	1	4	38.6	3	3	
Hyperextension with heart disease (440-443)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Hyperextension without mention of heart (444-447)	3	22.9	1	2	11.8	11.8	11.8	11.8	2	18.4	1	1	1	2	18.4	1	1	
Influenza (480-483)	10	76.3	8	2	3	35.5	3	3	9	9.7	8	1	1	9	9.7	8	8	
Pneumonia (490-493)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Pneumonia (490-493)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Bronchitis (500-502)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Ulcer of stomach and duodenum (540, 541)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Appendicitis (530-533)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Intestinal obstruction and hernia (560, 561, 570)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Cirrhosis of liver (581)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Nephritis and nephrosis (590-596)	2	15.3	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Hyperplasia of prostate (610)	2	15.3	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Cholelithiasis (580-582)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Cholelithiasis (580-582)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Congenital malformations (750-759)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Congenital malformations (750-759)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.6	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Atelectasis (760-762)	1	...	1	...	...	...	...	...	1	...	1	1	1	1	...	1	1	
Injuries of the newborn (763-768)	2	15.3	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	15.3	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...	...	...	...	...	2	...	2	2	2	2	...	2	2	
Other diseases of the newborn (769-776)	2	...	2	...														



TABLE V. RESIDENT DEATHS, DEATHS, AND DEATHS BY REPORTING CAUSES, NUMBER AND RATE BY COUNTY, AND RACE, OKLAHOMA, 1960 (Continued)

Cause of death	CHADRON			CLEVELAND			COML		
	Total	Race		Total	Race		Total	Race	
		No.	Wh. Neg.		No.	Wh. Neg.		No.	Wh. Neg.
Census enumeration, April 1, 1960	4,496			47,600			5,546		
Live births*	118	26.2	117	1,101	23.1	1,086	14	91	16.4
Physician in hospital	117	26.2	116	1,093	23.1	1,078	14	91	16.4
Physician not in hospital	1	0.0	1	8	0.2	8	0	0	0.0
Midwife, other, or unknown	0	0.0	0	0	0.0	0	0	0	0.0
Physician in hospital	0	0.0	0	10	0.2	9	1	1	1.0
Physician not in hospital	0	0.0	0	0	0.0	0	0	0	0.0
Midwife, other, or unknown	0	0.0	0	0	0.0	0	0	0	0.0
Total deaths, all causes	36	0.8	35	308	6.4	308	15	80	1.4
Deaths under 1 month	3	0.7	3	15	0.3	15	2	2	0.4
Deaths under 1 year	3	0.7	3	15	0.3	15	2	2	0.4
Deaths under 1 month	1	0.2	1	1	0.0	1	1	1	0.2
Tuberculosis, other forms (010-019)	1	0.2	1	1	0.0	1	1	1	0.2
Tuberculosis, other forms (001-008)	1	0.2	1	1	0.0	1	1	1	0.2
Septicemia, all forms (020-029)	1	0.2	1	1	0.0	1	1	1	0.2
Dysentery, all forms (045-048)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1	1	0.2
Diphtheria (057-058)	1	0.2	1	1	0.0	1	1	1	0.2
Whooping cough (059)	1	0.2	1	1	0.0	1	1	1	0.2
Measles (060)	1	0.2	1	1	0.0	1	1	1	0.2
Acute poliomyelitis (080)	1	0.2	1	1	0.0	1	1	1	0.2
Smallpox (086)	1	0.2	1	1	0.0	1	1	1	0.2
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	1	0.0	1	1		



TABLE V. RESPIRATORY DISEASES, PEARS, AND DEATHS BY DIAGNOSTIC CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OCEANODUNIA, 1960 (Continued)

Cause of death	GANNON						GADSDY						GANNON					
	Total		Race		Total		Race		Total		Race		Total		Race			
	No.	Rate	Wh.	Ind.	No.	Rate	Wh.	Ind.	No.	Rate	Wh.	Ind.	No.	Rate	Wh.	Ind.		
Live births*	579	20.5	541	29	9	530	17.9	487	40	3	128	15.7	128	128	128	128		
Physician in hospital	575	20.5	539	28	8	517	17.9	476	38	3	128	15.7	128	128	128	128		
Physician not in hospital	4	0.1	2	1	13	0.4	11	0.3	2	1	0	0	0	0	0	0		
Midwife, other, or unknown	7	12.1	7	7	7	15.1	8	2	1	7.8	1	1	1	1	1	1		
Physician in hospital	7	12.1	7	7	7	15.1	8	2	1	7.8	1	1	1	1	1	1		
Physician not in hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Midwife, other, or unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total deaths, all causes	706	9.4	659	29	12	631	11.2	506	21	4	100	12.3	100	100	100	100		
Deaths under 1 month	8	13.8	5	3	9	17.0	8	1	2	15.6	2	2	2	2	2	2		
Deaths under 1 month	4	6.9	3	1	3	5.7	3	1	1	12.3	1	1	1	1	1	1		
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phthisis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phthisis, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Diphtheria (052)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Whooping cough (053)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Measles (054)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-139)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	23	259.1	23	23	23	259.1	23	23	23	259.1	23	23	23	23	23	23		
Benign and unspecified neoplasms (210-239)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Brain and unspecified neoplasms (210-239)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Breast and unspecified neoplasms (240-249)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Amesias (250-259)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Vascular lesions affecting central nervous system (330-334)	19	214.0	18	1	19	214.0	18	1	19	214.0	18	1	19	214.0	18	1		
Nonmeningeal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rheumatic fever (400-402)	36	393.0	36	36	36	393.0	36	36	36	393.0	36	36	36	36	36	36		
Chronic rheumatic heart disease (410-416)	4	45.1	4	4	4	45.1	4	4	4	45.1	4	4	4	4	4	4		
Other diseases of heart (430-434)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Infarction (460-483)	1	17.1	1	1	1	17.1	1	1	1	17.1	1	1	1	1	1	1		
Myocardial infarction (460-483)	1	17.1	1	1	1	17.1	1	1	1	17.1	1	1	1	1	1	1		
Pericarditis (490-493)	2	22.5	2	2	2	22.5	2	2	2	22.5	2	2	2	2	2	2		
Proximal (500-502)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Ulcer of stomach and duodenum (540, 541)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Appendicitis (530-533)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	1	1	1		
Intestinal obstruction and hernia (560)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Gasstritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	3	33.8	2	1	3	33.8	2	1	3	33.8	2	1	3	33.8	2	1		
Enteritis of liver (581)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		
Nephritis and nephrosis (590-594)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		
Hypertrophy of prostate (610)	2	22.5	2	2	2	22.5	2	2	2	22.5	2	2	2	22.5	2	2		
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Birth injuries, postnatal asphyxia and other diseases peculiar to early infancy (760-762)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		
Infections of the newborn (763-768)	5	56.3	4	1	5	56.3	4	1	5	56.3	4	1	5	56.3	4	1		
Other diseases peculiar to early infancy (769-776)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Smellily without mention of psychosis (111-113)	13	146.4	12	1	13	146.4	12	1	13	146.4	12	1	13	146.4	12	1		
All other diseases (Residual)	27	95.4	27	27	27	95.4	27	27	27	95.4	27	27	27	95.4	27	27		
Motor-vehicle accidents (8810-8835)	8	28.3	7	1	8	28.3	7	1	8	28.3	7	1	8	28.3	7	1		
All other accidents (8840-8902)	14	49.5	12	2	14	49.5	12	2	14	49.5	12	2	14	49.5	12	2		
Self-inflicted injuries (900)	2	7.1	2	2	2	7.1	2	2	2	7.1	2	2	2	7.1	2	2		
Homeicide and operations of war (E964, E965, E980-E999)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		

TABLE V. RESPIRATORY DISEASES, PEARS, AND DEATHS BY DIAGNOSTIC CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OCEANODUNIA, 1960 (Continued)

Cause of death	GEEZER						HARRISON						HARRER					
	Total		Race		Total		Race		Total		Race		Total		Race			
	No.	Rate	Wh.	Ind.	No.	Rate	Wh.	Ind.	No.	Rate	Wh.	Ind.	No.	Rate	Wh.	Ind.		
Live births*	847	15.8	827	10	1	847	15.8	827	10	1	847	15.8	827	10	1	847		
Physician in hospital	847	15.8	827	10	1	847	15.8	827	10	1	847	15.8	827	10	1	847		
Physician not in hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Midwife, other, or unknown	2	7.1	2	2	2	7.1	2	2	2	7.1	2	2	2	7.1	2	2		
Physician in hospital	2	7.1	2	2	2	7.1	2	2	2	7.1	2	2	2	7.1	2	2		
Physician not in hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Midwife, other, or unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total deaths, all causes	122	14.6	115	7	122	14.6	115	7	122	14.6	115	7	122	14.6	115	7		
Deaths under 1 month	8	57.1	8	8	8	57.1	8	8	8	57.1	8	8	8	57.1	8	8		
Deaths under 1 month	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phthisis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Phthisis, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Diphtheria (052)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Whooping cough (053)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Measles (054)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-139)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	23	259.1	23	23	23	259.1	23	23	23	259.1	23	23	23	259.1	23	23		
Benign and unspecified neoplasms (210-239)	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1	1	11.3	1	1		
Brain and unspecified neoplasms																		



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

Cause	WASKELL				HICKES				JACKSON				
	Total		Race		Total		Race		Total		Race		
	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	
Live births*	136	14.9	128	2	236	15.6	179	10	47	991	33.3	901	81
Physician in hospital	75	...	70	1	223	...	170	10	43	981	...	898	74
Physician not in hospital	60	...	58	1	13	...	13	4	4	7	...	3	4
Midwife, other, or unknown	1	...	1	1	12.7	...	11	1	1	11	...	10	1
Stillbirths*	2	...	2	1	2	...	2	1	1	3	...	3	1
Physician in hospital	1	...	1	1	3	...	3	1	1	11	...	10	1
Physician not in hospital	1	...	1	1	1	...	1	1	1	1	...	1	1
Midwife, other, or unknown	1	...	1	1	1	...	1	1	1	1	...	1	1
Deaths under 1 year*	120	13.2	110	3	226	14.9	199	14	13	238	8.0	221	16
Deaths under 1 month	5	...	5	1	2	...	2	1	1	17	...	17	1
Deaths under 1 year*	13	...	13	1	21.2	...	18	1	3	17	...	17	1
Tuberculosis, other forms (010-019)	2	...	2	1	4	...	4	1	3	10.1	...	10.1	1
Tuberculosis of respiratory system (001-008)	2	...	2	1	21.9	...	21.9	1	1	10.1	...	10.1	1
Syphilis and its sequelae (020-029)	1	...	1	1	1	...	1	1	1	...	1	1	1
Typhoid fever (040) (05-046)	1	...	1	1	1	...	1	1	1	...	1	1	1
Scarlet fever and streptococcal sore throat (050, 051)	1	...	1	1	1	...	1	1	1	...	1	1	1
Diphtheria (035)	1	...	1	1	1	...	1	1	1	...	1	1	1
Whooping cough (065)	1	...	1	1	1	...	1	1	1	...	1	1	1
Acute poliomyelitis (080)	1	...	1	1	1	...	1	1	1	...	1	1	1
Smallpox (084)	1	...	1	1	1	...	1	1	1	...	1	1	1
Measles (085)	1	...	1	1	1	...	1	1	1	...	1	1	1
Typhus and other rickettsial diseases (100-108)	1	...	1	1	1	...	1	1	1	...	1	1	1
Malaria (110-117)	1	...	1	1	1	...	1	1	1	...	1	1	1
All other diseases classified as infective and parasitic (020-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-139)	1	...	1	1	1	...	1	1	1	...	1	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	15	164.5	15	1	41	270.7	38	2	1	34	114.3	31	3
Benign and unspecified neoplasms (210-239)	5	54.8	5	3	5	33.0	5	1	1	8	26.9	8	1
Diabetes mellitus (260)	1	...	1	1	6.7	...	6.7	1	1	2	6.7	2	1
Amelias (290-293)	1	...	1	1	31	204.7	31	1	1	32	107.6	31	1
Vascular lesions affecting central nervous system (330-334)	18	197.3	18	1	1	...	1	1	1	1	...	1	1
Nonmeningococcal meningitis (340)	1	...	1	1	1	...	1	1	1	1	...	1	1
Rheumatic fever (400-402)	1	...	1	1	1	...	1	1	1	1	...	1	1
Chronic rheumatic heart disease (410-416)	1	...	1	1	1	...	1	1	1	1	...	1	1
Chronic rheumatic heart disease (410-416)	1	...	1	1	1	...	1	1	1	1	...	1	1
Chronic rheumatic heart disease (410-416)	1	...	1	1	1	...	1	1	1	1	...	1	1
Other diseases of heart (430-434)	34	372.8	31	1	75	495.2	67	3	5	59	198.6	56	3
Myocardial infarction (430-434)	3	...	3	1	39.6	...	39.6	1	1	4	13.5	4	1
Hypertension with heart disease (440-443)	5	54.8	4	1	1	...	1	1	1	1	...	1	1
Hypertension without mention of heart (444-447)	1	...	1	1	2	...	2	1	1	1	...	1	1
Influenza (480-483)	6	65.8	5	1	4	26.4	4	1	1	5	16.8	5	1
Pneumonia (490-493)	1	...	1	1	2	...	2	1	1	1	...	1	1
Bronchitis (500-502)	1	...	1	1	2	...	2	1	1	1	...	1	1
Ulcer of stomach and duodenum (540, 541)	1	...	1	1	1	...	1	1	1	1	...	1	1
Appendicitis (530-533)	1	...	1	1	6.6	...	6.6	1	1	1	...	1	1
Intestinal obstruction and hernia (560, 561, 570)	1	...	1	1	1	...	1	1	1	1	...	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 581, 572)	1	...	1	1	1	...	1	1	1	1	...	1	1
Cirrhosis of liver (581)	1	...	1	1	1	...	1	1	1	1	...	1	1
Nephritis and nephrosis (590-594)	1	...	1	1	1	...	1	1	1	1	...	1	1
Hypertrophy of prostate (610)	1	...	1	1	6.6	...	6.6	1	1	1	...	1	1
Complications of pregnancy, childbirth and the puerperium (640-689)	1	...	1	1	1	...	1	1	1	1	...	1	1
Birth injuries, postnatal asphyxia and infections of newborn (760-769)	1	...	1	1	1	...	1	1	1	1	...	1	1
Accidents (780-782)	1	...	1	1	1	...	1	1	1	1	...	1	1
Intoxications (790-799)	1	...	1	1	1	...	1	1	1	1	...	1	1
Other diseases peculiar to early infancy and immature unqualified (799-799)	1	...	1	1	1	...	1	1	1	1	...	1	1
Sentinel without mention of psychosis, 111-111	2	21.9	2	1	2	...	2	1	1	2	...	2	1
All other diseases (800-899)	6	65.8	6	1	9	59.4	6	2	1	10	122.1	9	1
All other diseases (800-899)	8	87.7	8	1	22	145.3	18	2	1	11	159.2	15	1
Motor-vehicle accidents (810-833)	2	...	2	1	4	...	4	1	1	2	...	2	1
Motor-vehicle accidents (810-833)	2	...	2	1	9	...	9	1	1	3	...	3	1
Motor-vehicle accidents (810-833)	8	87.7	7	1	4	...	4	1	1	2	...	2	1
Suicide and self-inflicted injury (860, 870-879)	1	...	1	1	6.6	...	6.6	1	1	2	...	2	1
Homeicide and operations of war (894, 895, 8980-899)	1	...	1	1	6.6	...	6.6	1	1	2	...	2	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

Cause	JERFERTSON				JOHNSTON				KAY				
	Total		Race		Total		Race		Total		Race		
	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	
Live births*	138	16.8	129	7	2	141	16.6	122	6	13	1,068	20.9	989
Physician in hospital	121	...	113	7	2	118	...	102	3	13	1,057	...	981
Physician not in hospital	17	...	16	1	23	...	20	3	1	11	...	8	
Midwife, other, or unknown	1	...	1	1	1	...	1	1	1	16	...	14	
Stillbirths*	1	...	1	1	1	...	1	1	1	1	...	1	
Physician in hospital	1	...	1	1	1	...	1	1	1	1	...	1	
Physician not in hospital	1	...	1	1	1	...	1	1	1	1	...	1	
Midwife, other, or unknown	1	...	1	1	1	...	1	1	1	1	...	1	
Deaths under 1 year*	128	14.5	122	2	106	12.7	107	6	1	487	...	465	
Deaths under 1 month	14	...	14	1	2	...	2	1	1	21	...	21	
Deaths under 1 year*	1	...	1	1	7.2	...	7.2	1	1	18	...	18	
Tuberculosis, other forms (010-019)	1	...	1	1	1	...	1	1	1	1	...	1	
Tuberculosis of respiratory system (001-008)	1	...	1	1	1	...	1	1	1	1	...	1	
Syphilis and its sequelae (020-029)	1	...	1	1	1	...	1	1	1	1	...	1	
Typhoid fever (040) (05-046)	1	...	1	1	1	...	1	1	1	1	...	1	
Scarlet fever and streptococcal sore throat (050, 051)	1	...	1	1	1	...	1	1	1	1	...	1	
Diphtheria (035)	1	...	1	1	1	...	1	1	1	1	...	1	
Whooping cough (065)	1	...	1	1	1	...	1	1	1	1	...	1	
Acute poliomyelitis (080)	1	...	1	1	1	...	1	1	1	1	...	1	
Smallpox (084)	1	...	1	1	1	...	1	1	1	1	...	1	
Measles (085)	1	...	1	1	1	...	1	1	1	1	...	1	
Typhus and other rickettsial diseases (100-108)	1	...	1	1	1	...	1	1	1	1	...	1	
Malaria (110-117)	1	...	1	1	1	...	1	1	1	1	...	1	
All other diseases classified as infective and parasitic (020-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-139)	1	...	1	1	1	...	1	1	1	1	...	1	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	20	244.1	20	1	22	258.3	22	1	1	84	164.6	83	1
Benign and unspecified neoplasms (210-239)	2	...	2	1	3	...	3	1	1	11	...	11	
Diabetes mellitus (260)	1	...	1	1	2	...	2	1	1	19	...	19	
Amelias (290-293)	1	...	1	1	1	...	1	1	1	1	...	1	
Vascular lesions affecting central nervous system (330-334)	16	195.3	16	1	14	164.4	13	1	1	76	148.9	74	2
Nonmeningococcal meningitis (340)	1	...	1	1	1	...	1	1	1	1	...	1	
Rheumatic fever (400-402)	1	...	1	1	1	...	1	1	1	1	...	1	
Chronic rheumatic heart disease (410-416)	1	...	1	1	1	...	1	1	1	1	...	1	
Chronic rheumatic heart disease (410-416)	1	...	1	1	1	...	1	1	1	1	...	1	
Chronic rheumatic heart disease (410-416)	1	...	1	1	1	...	1	1	1	1	...	1	
Other diseases of heart (430-434)	34	415.0	34	1	41	481.4	38	3	1	143	280.2	141	1
Myocardial infarction (430-434)	6	...	6	1	3	...	3	1	1	10	...	10	
Hypertension with heart disease (440-443)	5	...	5	1	3	...	3	1	1	8	...	8	
Hypertension without mention of heart (444-447)	1	...	1	1	1	...	1	1	1	1	...	1	
Influenza (480-483)	3	...	3	1	4	...	4	1	1	4	...	4	
Pneumonia (490-493)	3	...	3	1	4	...	4	1					



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY HONORARY CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

Cause	LOWE				MCCLAIN				MCCLINTON			
	Total		Race		Total		Race		Total		Race	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	5,552				12,740				25,851			
Live births*	96	16.4	80	14.4	227	17.8	217	10	523	20.2	359	100
Physician in hospital	87	15.5	71	12.8	222	17.4	214	8	466	35.4	49	64
Physician not in hospital	9	1.6	9	1.6	5	0.4	3	1	47	3.6	5	4
Midwife, other, or unknown	1	0.2	1	0.2	1	0.1	1	0	4	0.3	1	1
Physician in hospital	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Physician not in hospital	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Midwife, other, or unknown	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Total deaths, all causes*	68	11.6	56	10.1	143	11.2	137	6	315	12.2	236	58
Deaths under 1 year	2	0.4	2	0.4	3	0.2	3	0	11	0.8	7	3
Deaths under 1 month	2	0.4	2	0.4	3	0.2	3	0	11	0.8	7	3
Tuberculosis, other forms (010-019)	1	0.2	1	0.2	1	0.1	1	0	5	0.4	4	1
Syphilis and its sequelae (020-029)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Typhoid fever (040)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Dysentery, all forms (045-048)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Scarlet fever and streptococcal sore throat (050, 051)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Diphtheria (055)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Whooping cough (065)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Meningococcal infections (097)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Smallpox (085)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Measles (085)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Typhus and other rickettsial diseases (100-108)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Malaria (110-117)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
All other diseases classified as infective and parasitic (000-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	9	15.5	7	1.1	13	10.2	13	1	48	18.5	39	8
Benign and unspecified neoplasms (210-239)	1	0.2	1	0.2	1	0.1	1	0	3	0.2	3	3
Diabetes mellitus (250)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Vascular lesions affecting central nervous system (330-334)	14	23.8	11	2.0	27	21.1	27	1	46	17.7	31	14
Nonmeningococcal meningitis (340)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Rheumatic fever (400-402)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Chronic rheumatic heart disease (410-416)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Other diseases of heart (430-434)	18	30.7	16	2.9	46	36.1	46	1	79	30.5	70	7
Hyperextension with heart disease (440-443)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Hyperextension without mention of heart	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Influenza (480-483)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Pneumonia (490-493)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Bronchitis (500-502)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Ulcer of stomach and duodenum (540, 541)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Peptic ulcers (530-533)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Obstruction and hernia (560, 561, 570)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Cirrhosis of liver (581)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Nephritis and nephrosis (590-594)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Hyperplasia of prostate (610)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Complications of pregnancy, childbirth and puerperium (640-689)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Birth injuries, postnatal asphyxia and asphyxia (760-762)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Accidents (780-785)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Intentional self-inflicted injuries (860-869)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Smell without mention of psychosis, 111-112	2	3.6	1	0.2	3	23.5	3	5	19.3	4	1	1
Smell with mention of psychosis, 111-112	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
All other diseases (Residual)	4	6.8	3	0.5	17	13.4	15	11	42.6	10	6	3
All other accidents (Residual)	3	5.1	2	0.4	4	31.4	6	8	30.9	6	2	1
Suicide and self-inflicted injury (890-895, 897-899)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1
Homicide and operations of war (896, 898, 899)	1	0.2	1	0.2	1	0.1	1	0	1	0.1	1	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY HONORARY CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

Cause	MCINTOSH				MAYOR				MAYNARD			
	Total		Race		Total		Race		Total		Race	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	12,371				7,608				7,653			
Live births*	310	17.0	137	13.7	165	18.6	165	129	17.8	112	5	12
Physician in hospital	157	8.5	114	11.4	136	15.4	136	117	15.6	102	1	2
Physician not in hospital	45	2.5	21	2.1	29	3.3	29	12	1.6	10	2	2
Midwife, other, or unknown	8	0.4	2	0.2	1	0.1	1	1	0.1	1	1	1
Physician in hospital	4	0.2	3	0.3	1	0.1	1	1	0.1	1	1	1
Physician not in hospital	4	0.2	3	0.3	1	0.1	1	1	0.1	1	1	1
Midwife, other, or unknown	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Total deaths, all causes*	151	12.2	113	11.3	27	3.0	27	83	11.4	78	3	2
Deaths under 1 year	7	0.6	6	0.6	1	0.1	1	1	0.1	1	1	1
Deaths under 1 month	2	0.2	2	0.2	1	0.1	1	1	0.1	1	1	1
Tuberculosis, other forms (010-019)	2	0.2	2	0.2	1	0.1	1	1	0.1	1	1	1
Syphilis and its sequelae (020-029)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Typhoid fever (040)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Dysentery, all forms (045-048)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Scarlet fever and streptococcal sore throat (050, 051)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Diphtheria (055)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Whooping cough (065)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Meningococcal infections (097)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Smallpox (085)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Measles (085)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Typhus and other rickettsial diseases (100-108)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Malaria (110-117)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
All other diseases classified as infective and parasitic (000-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	18	14.5	15	1.1	17	21.7	17	14	19.2	14	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Benign and unspecified neoplasms (210-239)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Diabetes mellitus (250)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Vascular lesions affecting central nervous system (330-334)	29	23.4	21	6.2	6	7.6	6	18	24.7	18	1	1
Nonmeningococcal meningitis (340)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Rheumatic fever (400-402)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Chronic rheumatic heart disease (410-416)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Other diseases of heart (430-434)	35	28.2	32	2.1	36	46.1	36	27	31.2	25	1	1
Hyperextension with heart disease (440-443)	2	1.6	1	0.1	1	0.1	1	1	0.1	1	1	1
Hyperextension without mention of heart	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Influenza (480-483)	2	1.6	1	0.1	1	0.1	1	1	0.1	1	1	1
Pneumonia (490-493)	11	8.9	5	1.1	2	2.5	2	1	1.3	1	1	1
Bronchitis (500-502)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Ulcer of stomach and duodenum (540, 541)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Peptic ulcers (530-533)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Obstruction and hernia (560, 561, 570)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Cirrhosis of liver (581)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Nephritis and nephrosis (590-594)	1	0.1	1	0.1	1	0.1	1	1	0.1	1	1	1
Hyperplasia of prostate (610)	1	0.1	1	0.1	1	0.1	1	1	0.1			



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

	OKLAHOMA					OSAGE					OSAGE					OSAGE						
	Total					Total					Total					Total						
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.		
Live births*	11,321	25.48	9,547	1,580	194	695	18.8	473	148	77	510	15.7	438	11	61	32	10.1	23	7	1	1	
Physician in hospital	11,253	25.3	9,497	1,571	185	685	18.7	472	147	76	509	15.6	437	11	60	31	10.0	23	7	1	1	
Physician not in hospital	29	0.07	25	4	1	10	0.26	13	4	1	1	0.3	4	1	1	1	0.3	0	0	0	0	
Midwife, other, or unknown	146	12.9	114	30	2	43	11.3	39	4	2	11.8	5	1	1	1	1	3.1	1	1	1	1	
Physician in hospital	146	12.9	114	30	2	43	11.3	39	4	2	11.8	5	1	1	1	1	3.1	1	1	1	1	
Physician not in hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Midwife, other, or unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total deaths, all causes*	3,618	8.22	3,182	425	31	447	12.1	355	94	8	305	9.4	272	12	21	10	2.9	10	1	1	1	
Deaths under 1 month	305	26.9	227	71	7	18	25.9	10	6	2	12	22.5	10	1	1	1	1	1	1	1	1	
Deaths under 1 year	236	20.8	184	50	2	11	15.8	9	2	7	13.7	7	1	1	1	1	1	1	1	1	1	
Tuberculosis of respiratory system (001-008)	23	0.2	19	4	0	2	5.4	2	0	1	3.1	1	0	0	0	0	0	0	0	0	0	
Syphilis and its sequelae (020-029)	6	0.05	5	1	0	1	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syphilis and its sequelae (020-029)	6	0.05	5	1	0	1	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dysentery, all forms (045-048)	4	0.04	4	0	0	1	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dysentery, all forms (045-048)	4	0.04	4	0	0	1	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Scarlet fever and streptococcal sore throat (050, 051)	1	0.01	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Scarlet fever and streptococcal sore throat (050, 051)	1	0.01	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diphtheria (057)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diphtheria (057)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hemophilic cough (057)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hemophilic cough (057)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Acute poliomyelitis (080)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Acute poliomyelitis (080)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Smallpox (084)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Smallpox (084)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Measles (085)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Measles (085)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Typhus and other rickettsial diseases (100-109)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Typhus and other rickettsial diseases (100-109)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Malaria (110-117)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Malaria (110-117)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-095, 120-138)	15	0.4	11	1	3	61	165.1	51	9	1	42	129.5	36	4	2	1	0.3	1	1	1	1	
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-095, 120-138)	15	0.4	11	1	3	61	165.1	51	9	1	42	129.5	36	4	2	1	0.3	1	1	1	1	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	580	132.6	576	53	2	42	129.5	36	4	2	1	0.3	1	1	1	1	0.3	1	1	1	1	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	580	132.6	576	53	2	42	129.5	36	4	2	1	0.3	1	1	1	1	0.3	1	1	1	1	
Benign and unspecified neoplasms (210-239)	53	12.1	44	9	1	6	18.5	5	1	1	1	3.1	1	1	1	1	3.1	1	1	1	1	
Benign and unspecified neoplasms (210-239)	53	12.1	44	9	1	6	18.5	5	1	1	1	3.1	1	1	1	1	3.1	1	1	1	1	
Diabetes mellitus (260)	4	0.09	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diabetes mellitus (260)	4	0.09	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vascular lesions affecting central nervous system (330-334)	422	96.0	383	38	1	63	170.5	44	17	2	43	132.5	40	2	1	1	0.3	1	1	1	1	
Vascular lesions affecting central nervous system (330-334)	422	96.0	383	38	1	63	170.5	44	17	2	43	132.5	40	2	1	1	0.3	1	1	1	1	
Rheumatic fever (400-402)	9	0.2	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rheumatic fever (400-402)	9	0.2	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chronic rheumatic heart disease (410-416)	29	0.6	28	1	0	3	8.1	3	0	0	3	9.2	3	0	0	0	0	0	0	0	0	
Chronic rheumatic heart disease (410-416)	29	0.6	28	1	0	3	8.1	3	0	0	3	9.2	3	0	0	0	0	0	0	0	0	
Atrocardiopathic and degenerative heart disease (420-422)	806	183.4	771	34	1	134	362.7	117	16	1	86	265.1	78	4	4	1	0.3	1	1	1	1	
Atrocardiopathic and degenerative heart disease (420-422)	806	183.4	771	34	1	134	362.7	117	16	1	86	265.1	78	4	4	1	0.3	1	1	1	1	
Hyperextension with heart disease (440-443)	33	0.7	31	2	0	17	46.0	9	8	0	8	24.7	19	1	1	1	24.7	19	1	1	1	
Hyperextension with heart disease (440-443)	33	0.7	31	2	0	17	46.0	9	8	0	8	24.7	19	1	1	1	24.7	19	1	1	1	
Hyperextension without mention of heart (444-447)	18	0.4	13	5	0	6	16.2	4	2	0	6	16.2	2	0	0	0	6	16.2	2	0	0	
Hyperextension without mention of heart (444-447)	18	0.4	13	5	0	6	16.2	4	2	0	6	16.2	2	0	0	0	6	16.2	2	0	0	
Influenza (480-483)	15	0.3	11	4	0	2	5.4	2	1	1	3	9.2	3	0	0	0	3	9.2	3	0	0	
Influenza (480-483)	15	0.3	11	4	0	2	5.4	2	1	1	3	9.2	3	0	0	0	3	9.2	3	0	0	
Pneumonia (490-493)	73	16.6	64	6	3	22	59.5	21	1	1	21.6	6	1	1	1	1	21.6	6	1	1	1	
Pneumonia (490-493)	73	16.6	64	6	3	22	59.5	21	1	1	21.6	6	1	1	1	1	21.6	6	1	1	1	
Whooping cough (500-502)	20	0.4	19	1	0	1	2.7	1	0	0	1	2.7	1	0	0	0	1	2.7	1	0	0	
Whooping cough (500-502)	20	0.4	19	1	0	1	2.7	1	0	0	1	2.7	1	0	0	0	1	2.7	1	0	0	
Appendicitis (550-553)	1	0.02	1	0	0	1	2.7	1	0	0	1	2.7	1	0	0	0	1	2.7	1	0	0	
Appendicitis (550-553)	1	0.02	1	0	0	1	2.7	1	0	0	1	2.7	1	0	0	0	1	2.7	1	0	0	
Intestinal obstruction and hernia (560, 561, 570)	20	0.4	17	3	0	4	10.8	3	0	1	3	9.2	3	0	0	0	3	9.2	3	0	0	
Intestinal obstruction and hernia (560, 561, 570)	20	0.4	17	3	0	4	10.8	3	0	1	3	9.2	3	0	0	0	3	9.2	3	0	0	
Ostitis, odontitis, enteritis and colitis, except division of the newborn (543, 571, 572)	12	0.2	7	4	1	1	2.7	1	0	0	2	6.2	2	0	0	0	2	6.2	2	0	0	
Ostitis, odontitis, enteritis and colitis, except division of the newborn (543, 571, 572)	12	0.2	7	4	1	1	2.7	1	0	0	2	6.2	2	0	0	0	2	6.2	2	0	0	
Cirrhosis of liver (581)	34	7.7	30	4	0	4	10.8	3	0	0	4	12.3	1	0	0	0	4	12.3	1	0	0	
Cirrhosis of liver (581)	34	7.7	30	4	0	4	10.8	3	0	0	4	12.3	1	0	0	0	4	12.3	1			

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY PERICARDIAL CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER (Continued) RACE, OKLAHOMA, 1960

Cause	PITTSBURGH			PONTIAC			MOTTAWANVILLE		
	Total	Wh.	Ind.	Total	Wh.	Ind.	Total	Wh.	Ind.
Live births*	541	484	57	516	422	94	790	695	95
Physician in hospital	510	436	74	510	448	62	19.0	680	45
Physician not in hospital	31	48	17	106	74	32	6.0	15	50
Midwife, other, or unknown	6	0	6	1	0	1	0.3	0	0
Stillbirths*	3	5	2	9	17.6	1	15	19.0	16
Physician in hospital	2	2	0	9	7	2	15	14	1
Physician not in hospital	1	0	1	0	0	0	0	0	0
Midwife, other, or unknown	0	0	0	0	0	0	0	0	0
Total deaths, all causes*	408	364	44	360	337	23	462	432	30
Deaths under 1 year	12	10	2	13	9	4	24	30.4	19
Deaths under 1 month	5	4	1	8	2	6	20	25.3	16
Tuberculosis, other forms (010-019)	9.2	2	7	10.7	2	8	2.4	1	1
Typhoid fever (040)	2	1	1	1	1	0	2.4	1	1
Scarlet fever and streptococcal sore throat (050, 051)	1	1	0	1	1	0	2.4	1	1
Diphtheria (055)	1	1	0	1	1	0	2.4	1	1
Whooping cough (056)	1	1	0	1	1	0	2.4	1	1
Measles (060)	1	1	0	1	1	0	2.4	1	1
Scarlet fever (061)	1	1	0	1	1	0	2.4	1	1
Other respiratory infections (067)	1	1	0	1	1	0	2.4	1	1
Shingles (068)	1	1	0	1	1	0	2.4	1	1
Smallpox (069)	1	1	0	1	1	0	2.4	1	1
Other infectious diseases (100-108)	1	1	0	1	1	0	2.4	1	1
All other diseases classified as infective	1	1	0	1	1	0	2.4	1	1
Malaria (110-117)	1	1	0	1	1	0	2.4	1	1
All other diseases classified as parasitic	1	1	0	1	1	0	2.4	1	1
Parasitic diseases (120-138)	1	1	0	1	1	0	2.4	1	1
All other diseases classified as neoplasms of lymphatic and hematopoietic tissues	1	1	0	1	1	0	2.4	1	1
Neoplasms (140-202)	58	51	7	52	49	3	69	166.3	64
Benign and unspecified neoplasms (210-239)	168.8	148	20	185.1	168	17	4.8	2	2
Diabetes mellitus (260)	6	6	0	7.1	7	0	6	14.5	6
Amnesia (290-293)	17.5	17	0	28.5	28	0	6	14.5	6
Alcoholism (294-295)	2.9	2	1	3.6	3	0	2	4.8	2
Other diseases of central nervous system (330-334)	67	57	10	84.2	69	15	78	188.0	75
Nonneoplastic meningitis (340)	14	11	3	10.7	10	0	2	4.8	2
Rheumatic fever (400-402)	5.8	5	0	10.7	10	0	2	4.8	2
Chronic rheumatic heart disease (410-416)	2	2	0	10.7	10	0	2	4.8	2
Acute rheumatic heart disease (410-416)	14	11	3	10.7	10	0	2	4.8	2
Other diseases of heart (420-434)	9	7	2	11	11	0	4	9.6	4
Hypertension with heart disease (440-443)	26.2	22	4	39.2	34	5	9.6	4	4
Hypertension without mention of heart disease (444-447)	11.0	11	0	11	11	0	11	26.5	11
Intestinal angina (480-483)	2	2	0	2	2	0	2	4.8	2
Peritonitis (490-493)	5	4	1	10.7	10	0	11	26.5	11
Pericarditis (500-502)	16.6	14	2	16.6	14	2	11	26.5	11
Ulcer of stomach and duodenum (540, 541)	8.7	7	1	3.6	3	0	2	4.8	2
Appendicitis (550-553)	5.8	5	0	3.6	3	0	2	4.8	2
Intestinal obstruction and hernia (560, 561, 570)	5.8	5	0	10.7	10	0	2	4.8	2
Other diseases of the digestive tract, except diarrhea of the newborn (543, 571, 572)	2	2	0	2	2	0	2	4.8	2
Cirrhosis of liver (581)	7.1	7	0	7.1	7	0	3	7.2	3
Other diseases of liver (582-585)	20.4	18	2	7.1	7	0	3	7.2	3
Nephritis and nephrosis (590-596)	8.7	8	0	7.1	7	0	6	14.5	6
Complications of pregnancy, childbirth and the puerperium (640-689)**	14.6	14	0	7.1	7	0	2	4.8	2
Congenital malformations (750-759)	8.7	8	0	7.1	7	0	5	12.1	5
Gonorrhea (760-769)	2	2	0	2	2	0	5	12.1	5
Infections of the newborn (760-766)	5.8	5	0	17.8	16	2	6	14.5	6
Other diseases peculiar to early infancy and immaturity unqualified (769-776)	3	3	0	3.6	3	0	11	26.5	11
All other diseases of psychoses, 111-118	8.7	8	0	2	2	0	2	4.8	2
Definite and uncertain alcoholism (290-293)	26	23	3	10.7	10	0	6	14.5	6
All other diseases (8810-8835)	17	15	2	11	11	0	18	43.6	18
All other accidents (E800-E803, E840-E862), S100-E899)	17	15	2	11	11	0	20	48.2	17
Self-inflicted injuries (E900-E903, E950-E959)	4	4	0	10.7	10	0	9	21.7	9
Health and operations of war (E960, E965, E980-E999)	11.6	11	0	10.7	10	0	1	2.4	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY PERICARDIAL CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER (Continued) RACE, OKLAHOMA, 1960

Cause	PITTSBURGH			MOCHE WILLS			MCCURTAIN		
	Total	Wh.	Ind.	Total	Wh.	Ind.	Total	Wh.	Ind.
Live births*	9,088	8,199	889	5,090	4,582	508	20,614	20,977	637
Physician in hospital	8,157	7,468	689	4,582	4,174	408	18,514	18,887	627
Physician not in hospital	21	21	0	107	107	0	100	100	0
Midwife, other, or unknown	3	3	0	1	1	0	4	4	0
Stillbirths*	3	3	0	1	1	0	4	4	0
Physician in hospital	1	1	0	1	1	0	4	4	0
Physician not in hospital	2	2	0	0	0	0	0	0	0
Midwife, other, or unknown	0	0	0	0	0	0	0	0	0
Total deaths, all causes*	113	106	7	55	52	3	220	207	13
Deaths under 1 year	4	4	0	4	4	0	1	1	0
Deaths under 1 month	2	2	0	2	2	0	1	1	0
Tuberculosis, other forms (010-019)	22.0	2	20	4	4	0	12	12	0
Typhoid fever (040)	2	2	0	2	2	0	2	2	0
Scarlet fever and streptococcal sore throat (050, 051)	1	1	0	1	1	0	1	1	0
Diphtheria (055)	1	1	0	1	1	0	1	1	0
Whooping cough (056)	1	1	0	1	1	0	1	1	0
Measles (060)	1	1	0	1	1	0	1	1	0
Scarlet fever (061)	1	1	0	1	1	0	1	1	0
Other respiratory infections (067)	1	1	0	1	1	0	1	1	0
Shingles (068)	1	1	0	1	1	0	1	1	0
Smallpox (069)	1	1	0	1	1	0	1	1	0
Other infectious diseases (100-108)	1	1	0	1	1	0	1	1	0
All other diseases classified as infective	1	1	0	1	1	0	1	1	0
Malaria (110-117)	1	1	0	1	1	0	1	1	0
All other diseases classified as parasitic	1	1	0	1	1	0	1	1	0
Parasitic diseases (120-138)	1	1	0	1	1	0	1	1	0
All other diseases classified as neoplasms of lymphatic and hematopoietic tissues	1	1	0	1	1	0	1	1	0
Neoplasms (140-202)	25	24	1	5	5	0	28	25	3
Benign and unspecified neoplasms (210-239)	22.0	22	0	2	2	0	3	3	0
Diabetes mellitus (260)	2	2	0	2	2	0	1	1	0
Amnesia (290-293)	1	1	0	1	1	0	1	1	0
Alcoholism (294-295)	1	1	0	1	1	0	1	1	0
Other diseases of central nervous system (330-334)	12	12	0	12	12	0	27	24	3
Nonneoplastic meningitis (340)	2	2	0	2	2	0	1	1	0
Rheumatic fever (400-402)	1	1	0	1	1	0	1	1	0
Chronic rheumatic heart disease (410-416)	1	1	0	1	1	0	1	1	0
Acute rheumatic heart disease (410-416)	22	22	0	23	23	0	59	54	5
Other diseases of heart (420-434)	7	7	0	7	7	0	11	11	0
Hypertension with heart disease (440-443)	11	11	0	11	11	0	9	9	0
Hypertension without mention of heart disease (444-447)	1	1	0	1	1	0	3	3	0
Intestinal angina (480-483)	2	2	0	2	2	0	3	3	0
Peritonitis (490-493)	6	6	0	6	6	0	18	18	0
Pericarditis (500-502)	11.0	11	0	11.0	11	0	11	11	0
Ulcer of stomach and duodenum (540, 541)	1	1	0	1	1	0	1	1	0
Appendicitis (550-553)	1	1	0	1	1	0	1	1	0
Intestinal obstruction and hernia (560, 561, 570)	1	1	0	1	1	0	1	1	0
Other diseases of the digestive tract, except diarrhea of the newborn (543, 571, 572)	1	1	0	1	1	0	1	1	0
Cirrhosis of liver (581)	1	1	0	1	1	0	2	2	0
Other diseases of liver (582-585)	4	4	0	4	4	0	1	1	0
Nephritis and nephrosis (590-596)	11.0	11	0	11.0	11	0	4.9	4.9	0
Complications of pregnancy, childbirth and the puerperium (640-689)**	1	1	0	1	1	0	1	1	0
Congenital malformations (750-759)	1	1	0	1	1	0	4	4	0
Gonorrhea (760-769)	1	1	0	1	1	0	2	2	0
Infections of the newborn (760-766)	3	3	0	3	3	0	9.7	9.7	0
Other diseases peculiar to early infancy and immaturity unqualified (769-776)	1	1	0	1	1	0	6	6	0
All other diseases of psychoses, 111-118	11.0	11	0	11.0	11	0	19.4	17	2
Definite and uncertain alcoholism (290-293)	6	6	0	6	6	0	17	17	0
All other diseases (8810-8835)	3	3	0	3	3	0	4	4	0
All other accidents (E800-E803, E840-E862), S100-E899)	3	3	0	3	3	0	11	11	0
Self-inflicted injuries (E900-E903, E950-E959)	3	3	0	3	3	0	2	2	0
Health and operations of war (E960, E965, E980-E999)	1	1	0	1	1	0	9.7	9.7	0

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY DIAGNOSTIC CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY RACE, OKLAHOMA, 1960 (Continued)

Cause	SERINDOLE				SENGUOYAH				STEPHENS						
	Total		Rate		Total		Rate		Total		Rate				
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate			
Live births*	522	18.6	370	7.3	79	387	21.5	330	21	46	725	19.1	684	31	10
Physician in hospital	503	...	368	...	2	378	...	314	19	45	718	...	677	31	10
Physician not in hospital	19	...	102	...	77	...	116	...	2	1	107	...	7	...	...
Midwife, other, or unknown	9	...	1	...	2	...	6	...	7	...	10	...	13.6	7	...
Stillbirths*	8	...	17.2	...	7	...	15.5	...	6	...	4	...	...	2	...
Physician in hospital	8	...	...	...	6	...	...	...	4	...	...	...	...	2	...
Physician not in hospital	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Total deaths, all causes*	344	...	1,271	...	45	...	278	...	199	...	113	...	308	9	...
Deaths under 1 year*	10	...	13.2	...	6	...	23.3	...	8	...	17	...	23.4	15	...
Deaths under 1 month*	8	...	10.2	...	5	...	12.9	...	4	...	12	...	16.6	11	...
Tuberculosis of respiratory system (001-008)	1	...	...	...	2	...	...	...	1	...	2	...	...	2	...
Syphilis and its sequelae (020-029)	1	...	...	...	1	...	...	...	2	...	5.3	...	...	2	...
Typhoid fever (040)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Dysentery, all forms (045-048)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Scarlet fever and streptococcal sore throat (051-055)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Diphtheria (055)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Whooping cough (056)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Measles (060)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Acute poliomyelitis (080)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Scarlet fever (085)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Smallpox (090)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Typhus and other rickettsial diseases (100-108)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Malaria (110-117)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
All other diseases classified as infectious (120-138)	3	...	10.7	...	2	...	...	...	3	...	7.9	...	2	...	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (200-239)	58	...	206.7	...	46	...	188.9	...	28	...	139.5	...	52	...	1
Benign and unspecified neoplasms (210-239)	11	...	39.2	...	4	...	15.6	...	6	...	15.8	...	1	...	...
Diabetes mellitus (250)	2	...	7.1	...	1	...	11.1	...	2	...	...	...	...	...	...
Amenia (290-293)	2	...	...	...	1	...	...	...	2	...	...	...	...	...	...
Vascular lesions affecting central nervous system (300-349)	52	...	185.3	...	43	...	155.5	...	25	...	84.2	...	32	...	...
Nontraumatic epilepsy (340)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Rheumatic fever (400-402)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Chronic rheumatic heart disease (410-416)	73	...	260.1	...	62	...	338.9	...	54	...	205.3	...	78	...	...
Atrochic rheumatic and degenerative heart disease (420-422)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Chronic rheumatic heart disease (410-416)	13	...	46.3	...	14	...	50.0	...	8	...	21.1	...	14	...	...
Hypertension without mention of heart (440-447)	3	...	10.7	...	2	...	...	...	6	...	15.8	...	6	...	...
Infarction (480-483)	8	...	28.5	...	8	...	44.4	...	7	...	13.2	...	5	...	...
Bronchitis (500-502)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
User of stomach and duodenum (540, 541)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Appendicitis (530-533)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Intestinal obstruction and hernia (560, 561)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	3	...	10.7	...	2	...	5.6	...	1	...	10.5	...	4	...	...
Cirrhosis of liver (581)	4	...	14.3	...	1	...	11.1	...	2	...	10.5	...	4	...	...
Hepatitis and hepatitis (590-594)	2	...	7.1	...	2	...	11.1	...	1	...	2.6	...	1	...	...
Complications of pregnancy, childbirth and the puerperium (640-689)**	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Congenital malformations (750-759)	4	...	14.3	...	3	...	...	...	4	...	10.5	...	4	...	...
Birth injury, perinatal asphyxia and other conditions of the newborn (760-769)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Infections of the newborn (763-768)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Other diseases peculiar to early infancy and immature unqualified (769-776)	15	...	46.3	...	9	...	27.8	...	4	...	23.7	...	9	...	...
Senility without mention of psychosis, 111-112	21	...	74.8	...	10	...	34.9	...	7	...	25.1	...	35	...	...
All other diseases (Senility)	12	...	42.8	...	2	...	6.7	...	7	...	38.9	...	7	...	...
Motor-vehicle accidents (8810-8835)	16	...	57.0	...	14	...	66.7	...	12	...	50.0	...	18	...	...
All other accidents (8800-8802, 8840-8963)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Self-inflicted injuries (8900-8935)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Blunt and self-inflicted injury (8935)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Hoist and operations of war (8964, 8965, 8980-8999)	1	...	...	...	1	...	...	...	2	...	11.1	...	2	...	...

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY DIAGNOSTIC CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY RACE, OKLAHOMA, 1960 (Continued)

Cause	TERRAS				TILLMAN				TULSA						
	Total		Rate		Total		Rate		Total		Rate				
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate			
Live births*	340	24.0	334	...	6	289	19.7	211	72	8,105	23.4	7,131	830	144	
Physician in hospital	337	...	331	...	6	271	...	211	6	8,153	...	7,043	830	144	
Physician not in hospital	3	...	...	...	1	...	...	...	6	...	...	...	...	...	
Midwife, other, or unknown	4	...	...	...	4	...	...	...	5	...	...	...	...	...	
Stillbirths*	4	...	...	...	4	...	...	...	3	...	...	...	...	...	
Physician in hospital	4	...	...	...	4	...	...	...	3	...	...	...	...	...	
Physician not in hospital	1	...	...	...	1	...	...	...	1	...	...	...	...	...	
Total deaths, all causes*	112	...	77.9	...	112	...	170	...	16	...	4	...	...	...	
Deaths under 1 year*	8	...	23.5	...	8	...	30.4	...	1	...	...	...	...	...	
Deaths under 1 month*	4	...	11.8	...	4	...	16.6	...	1	...	...	...	...	...	
Tuberculosis of respiratory system (001-008)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Syphilis and its sequelae (020-029)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Typhoid fever (040)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Dysentery, all forms (045-048)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Scarlet fever and streptococcal sore throat (051-055)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Diphtheria (055)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Whooping cough (056)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Measles (060)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Acute poliomyelitis (080)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Scarlet fever (085)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Smallpox (090)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Typhus and other rickettsial diseases (100-108)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Malaria (110-117)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
All other diseases classified as infectious (120-138)	3	...	21.2	...	3	...	...	...	3	...	4.6	...	16	...	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (200-239)	16	...	113.0	...	16	...	129.8	...	17	...	126.0	...	398	...	
Benign and unspecified neoplasms (210-239)	2	...	14.1	...	2	...	13.6	...	1	...	10.4	...	29	...	
Diabetes mellitus (250)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Amenia (290-293)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Vascular lesions affecting central nervous system (300-349)	12	...	84.7	...	12	...	150.8	...	22	...	95.4	...	297	...	
Nontraumatic epilepsy (340)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Rheumatic fever (400-402)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Chronic rheumatic heart disease (410-416)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Atrochic rheumatic and degenerative heart disease (420-422)	43	...	303.6	...	43	...	334.4	...	44	...	227.7	...	734	...	
Chronic rheumatic heart disease (410-416)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Hypertension without mention of heart (440-447)	3	...	21.2	...	3	...	6.8	...	1	...	6.1	...	17	...	
Infarction (480-483)	4	...	28.2	...	4	...	20.5	...	3	...	12.7	...	7	...	
Bronchitis (500-502)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
User of stomach and duodenum (540, 541)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Appendicitis (530-533)	1	...	...	...	1	...	...	...	1	...	...	...	...	1	...
Intestinal obstruction and hernia (560, 561)	1	...	...	...	1	...	...	...							

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

Cause	MACKNER				WASHINGTON				MASHITA				
	Total		Race		Total		Race		Total		Race		
	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	
Live births*	233	16.1	193	47	13	899	21.2	843	44	12	382	21.1	377
Physician in hospital	225	15.8	185	7	27	889	21.2	836	41	12	379	21.1	374
Physician not in hospital	16	1.1	11	1	1	9	0.6	6	3	3	0.3	3	0.3
Midwife, other, or unknown	12	0.8	7	1	1	11	0.8	1	1	3	0.3	1	0.1
Stillbirths	19	1.3	11	1	1	11	0.8	10	7	7	0.5	7	0.5
Physician in hospital	5	0.3	3	1	1	3	0.2	3	2	2	0.1	2	0.1
Physician not in hospital	14	0.9	8	1	1	8	0.6	7	5	5	0.4	5	0.4
Midwife, other, or unknown	146	9.3	108	36	2	342	8.1	318	17	7	137	8.7	135
Total deaths, all causes*	9	0.6	6	1	1	16	1.2	13	3	13	0.9	12	0.9
Deaths under 1 year	9	0.6	6	1	1	16	1.2	13	3	13	0.9	12	0.9
Deaths under 1 month	27	1.8	17	2	2	24	1.8	18	3	1	5.5	1	0.1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (040)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (051)	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (051)	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (055)	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (055)	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (060)	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (060)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	0.1	1	1	1	4	0.3	4	4	4	0.3	4	0.3
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	0.1	1	1	1	4	0.3	4	4	4	0.3	4	0.3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	22	1.4	17	5	5	55	4.2	53	1	1	29	1.9	29
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	22	1.4	17	5	5	55	4.2	53	1	1	29	1.9	29
Benign and unspecified neoplasms (210-239)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Benign and unspecified neoplasms (210-239)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Diabetes mellitus (260)	2	0.1	1	1	1	2	0.1	2	2	2	0.1	2	0.1
Diabetes mellitus (260)	2	0.1	1	1	1	2	0.1	2	2	2	0.1	2	0.1
Amnesia (290-299)	16	1.0	12	4	4	34	2.6	32	1	1	19	1.3	19
Amnesia (290-299)	16	1.0	12	4	4	34	2.6	32	1	1	19	1.3	19
Vascular lesions affecting central nervous system (330-334)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Vascular lesions affecting central nervous system (330-334)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Nontraumatic meningitis (540)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Nontraumatic meningitis (540)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Rheumatic fever (600-602)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Rheumatic fever (600-602)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Chronic rheumatic heart disease (410-416)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Chronic rheumatic heart disease (410-416)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Arteriosclerotic and degenerative heart disease (420-422)	34	2.2	30	3	3	103	7.8	94	7	2	44	2.9	44
Arteriosclerotic and degenerative heart disease (420-422)	34	2.2	30	3	3	103	7.8	94	7	2	44	2.9	44
Hypertension with heart disease (440-443)	6	0.4	3	3	3	5	0.4	5	5	5	0.4	5	0.4
Hypertension with heart disease (440-443)	6	0.4	3	3	3	5	0.4	5	5	5	0.4	5	0.4
Hypertension without mention of heart disease (444-447)	3	0.2	1	1	1	3	0.2	3	3	3	0.2	3	0.2
Hypertension without mention of heart disease (444-447)	3	0.2	1	1	1	3	0.2	3	3	3	0.2	3	0.2
Influenza (480-483)	3	0.2	1	1	1	3	0.2	3	3	3	0.2	3	0.2
Influenza (480-483)	3	0.2	1	1	1	3	0.2	3	3	3	0.2	3	0.2
Pneumonia (490-493)	5	0.3	4	1	1	13	1.0	13	1	1	5.5	1	0.4
Pneumonia (490-493)	5	0.3	4	1	1	13	1.0	13	1	1	5.5	1	0.4
Bronchitis (500-502)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Bronchitis (500-502)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Ulcer of stomach and duodenum (540, 541)	4	0.3	4	4	4	1	0.1	1	1	1	1	1	1
Ulcer of stomach and duodenum (540, 541)	4	0.3	4	4	4	1	0.1	1	1	1	1	1	1
Appendicitis (550-553)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Appendicitis (550-553)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Intestinal obstruction and hernia (560)	2	0.1	2	2	2	1	0.1	1	1	1	1	1	1
Intestinal obstruction and hernia (560)	2	0.1	2	2	2	1	0.1	1	1	1	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570, 571, 572)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570, 571, 572)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Cirrhosis of liver (581)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Cirrhosis of liver (581)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Hepatitis and nephrosis (590-594)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Hepatitis and nephrosis (590-594)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Hypertrophy of prostate (610)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Hypertrophy of prostate (610)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Complications of pregnancy, childbirth and the puerperium (640-689)**	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Complications of pregnancy, childbirth and the puerperium (640-689)**	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Congenital malformations (750-759)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Congenital malformations (750-759)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Birth injuries, postnatal asphyxia and infections of the newborn (760-776)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Birth injuries, postnatal asphyxia and infections of the newborn (760-776)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Other diseases peculiar to early infancy and maturity unqualified (780-789)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Other diseases peculiar to early infancy and maturity unqualified (780-789)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Senility without mention of psychosis, 111-112	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Senility without mention of psychosis, 111-112	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
All other diseases (Residual) (800-899)	17	1.1	17	17	17	17	1.1	17	17	17	17	17	17
All other diseases (Residual) (800-899)	17	1.1	17	17	17	17	1.1	17	17	17	17	17	17
Motor-vehicle accidents (881D-883S)	4	0.3	4	4	4	4	0.3	4	4	4	4	4	4
Motor-vehicle accidents (881D-883S)	4	0.3	4	4	4	4	0.3	4	4	4	4	4	4
All other accidents (8800-8802, 8840-8862)	4	0.3	4	4	4	4	0.3	4	4	4	4	4	4
All other accidents (8800-8802, 8840-8862)	4	0.3	4	4	4	4	0.3	4	4	4	4	4	4
Suicide and self-inflicted injury (896S)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Suicide and self-inflicted injury (896S)	1	0.1	1	1	1	1	0.1	1	1	1	1	1	1
Homicide and operations of war (896A, 896S, 8980-8999)	2	0.1	2	2	2	2	0.1	2	2	2	2	2	2
Homicide and operations of war (896A, 896S, 8980-8999)	2	0.1	2	2	2	2	0.1	2	2	2	2	2	2

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1960 (Continued)

Cause	MOONIS				WOODWARD			
	Total		Race					





TABLE VII. RESIDENT BIRTHS, DEATHS, AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1960 (Continued)

Cause	Dale City		Dewey		Dresden		Duncan		Durant		Edmond	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	141	10.9	87	21.8	75	17.4	402	20.1	210	20.1	215	23.1
Stillbirths*	25	1.9	36	9.0	58	13.0	10	0.5	16	1.5	84	9.8
Deaths, all causes*	6	42.6	-	-	-	-	11	27.4	3	16.3	2	2.2
Infant deaths*	6	42.6	-	-	-	-	2	17.4	2	9.5	2	2.2
Neonatal deaths*	-	-	-	-	-	-	-	-	-	-	-	-
Maternal deaths*	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes**	3	23.2	13	32.5	26	62.0	52	264.9	66	630.6	35	408.1
Diseases of the heart (410-443)	4	30.9	8	200.3	10	238.7	32	159.9	20	191.1	6	70.0
Malignant neoplasms (140-205)	3	23.2	4	100.2	7	167.1	13	65.0	28	267.5	14	163.2
Neurotic system (310-359)	3	23.2	3	75.1	1	2.2	1	0.5	6	68.9	2	23.3
Vascular lesions affecting central nervous system (330-334)	3	23.2	3	75.1	2	47.7	2	10.0	6	57.5	2	23.3
Accidents (880-982)	3	23.2	3	75.1	2	47.7	2	10.0	6	57.5	2	23.3
Influenza and pneumonia (480-493)	6	46.4	2	50.1	1	23.9	4	20.0	2	19.1	3	35.0
Certain diseases of early infancy (760-776)	6	46.4	2	50.1	1	23.9	4	20.0	2	19.1	3	35.0
Diabetes mellitus (260)	1	7.7	1	25.0	1	23.9	2	10.0	5	47.8	1	11.7
Congenital malformations (750-759)	1	7.7	1	25.0	1	23.9	2	10.0	5	47.8	1	11.7
Suicide (E963, E970-E979)	1	7.7	1	25.0	1	23.9	2	10.0	5	47.8	1	11.7
Nephritis and nephrosis (590-594)	1	7.7	1	25.0	1	23.9	2	10.0	5	47.8	1	11.7

TABLE VII. RESIDENT BIRTHS, DEATHS, AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1960 (Continued)

Cause	Hugo		Ladell		Kingfisher		Lester		Lindsay		McAlester	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	128	20.4	103	20.7	72	22.2	2,643	42.8	106	24.9	294	16.9
Stillbirths*	18	2.9	10	2.0	7	2.2	11.4	0.2	2	0.5	6.8	0.4
Deaths, all causes*	118	18.4	80	16.1	47	14.5	328	5.3	7	1.6	207	11.9
Infant deaths*	3	23.4	2	19.4	5	69.4	67	25.5	-	-	6	20.4
Neonatal deaths*	3	23.4	2	19.4	5	69.4	52	19.7	-	-	1	3.4
Maternal deaths*	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes**	42	66.0	27	54.6	17	52.1	108	175.0	8	187.5	56	321.5
Diseases of the heart (410-443)	14	22.2	16	32.1	11	33.8	61	98.9	6	140.9	35	200.9
Malignant neoplasms (140-205)	21	33.0	9	18.1	6	18.1	32	51.9	4	93.9	35	200.9
Neurotic system (310-359)	9	14.1	7	14.0	5	15.2	14	22.7	2	47.0	11	62.1
Vascular lesions affecting central nervous system (330-334)	4	6.3	3	6.0	1	3.0	14	22.7	2	47.0	11	62.1
Accidents (880-982)	4	6.3	3	6.0	1	3.0	14	22.7	2	47.0	11	62.1
Influenza and pneumonia (480-493)	1	1.6	1	2.0	1	3.0	4	6.3	1	2.3	1	0.5
Certain diseases of early infancy (760-776)	1	1.6	1	2.0	1	3.0	4	6.3	1	2.3	1	0.5
Diabetes mellitus (260)	1	1.6	1	2.0	1	3.0	4	6.3	1	2.3	1	0.5
Congenital malformations (750-759)	1	1.6	1	2.0	1	3.0	4	6.3	1	2.3	1	0.5
Suicide (E963, E970-E979)	1	1.6	1	2.0	1	3.0	4	6.3	1	2.3	1	0.5
Nephritis and nephrosis (590-594)	1	1.6	1	2.0	1	3.0	4	6.3	1	2.3	1	0.5

Cause	Elk City		El Reno		Enid		Frederick		Guthrie		Gunn	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	223	27.2	205	18.6	971	25.0	124	21.1	197	20.7	150	26.0
Stillbirths*	2	0.4	4	19.5	11	11.3	8	8.1	10	10.2	3	20.0
Deaths, all causes*	96	11.7	140	12.8	402	10.3	78	13.3	181	19.0	52	9.0
Infant deaths*	6	26.9	6	29.3	20	21.7	1	8.1	6	35.5	4	40.0
Neonatal deaths*	6	26.9	6	29.3	20	21.7	1	8.1	6	35.5	4	40.0
Maternal deaths*	-	-	-	-	1	10.3	1	50.6	1	50.6	1	26.7
Deaths from leading causes**	31	37.8	56	50.8	160	43.9	33	561.3	68	715.6	15	250.1
Diseases of the heart (410-443)	14	17.0	17	154.3	62	159.6	9	102.1	18	188.4	7	121.4
Malignant neoplasms (140-205)	14	17.0	17	154.3	62	159.6	9	102.1	18	188.4	7	121.4
Neurotic system (310-359)	14	17.0	23	208.8	46	118.4	15	225.1	30	315.7	5	86.7
Vascular lesions affecting central nervous system (330-334)	13	158.6	2	18.2	22	56.6	6	102.1	4	69.3	4	69.3
Accidents (880-982)	1	12.2	1	18.2	8	20.6	1	17.0	6	63.1	3	52.0
Influenza and pneumonia (480-493)	6	73.2	7	63.5	14	36.0	2	34.0	6	63.1	4	69.3
Certain diseases of early infancy (760-776)	6	73.2	7	63.5	14	36.0	2	34.0	6	63.1	4	69.3
Diabetes mellitus (260)	-	-	2	18.2	8	20.6	4	42.1	1	17.3	1	17.3
Congenital malformations (750-759)	-	-	2	18.2	8	20.6	4	42.1	1	17.3	1	17.3
Suicide (E963, E970-E979)	-	-	1	9.1	6	15.4	-	-	-	-	1	17.3
Nephritis and nephrosis (590-594)	1	12.2	1	9.1	6	15.4	-	-	-	-	1	17.3

Cause	Madill		Mangum		Marlow		Miami		Midwest City		Muskogee	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	61	19.8	73	18.5	76	18.9	257	20.0	823	22.8	844	22.5
Stillbirths*	38	12.3	74	18.5	2	26.3	4	13.6	11	13.4	19	22.5
Deaths, all causes*	16	5.0	19	4.7	55	13.7	121	9.6	111	3.1	533	14.0
Infant deaths*	1	16.4	5	68.5	-	-	2	7.0	18	21.9	2	50.5
Neonatal deaths*	-	-	-	-	-	-	-	-	-	-	-	-
Maternal deaths*	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes**	12	38.9	26	65.2	20	49.6	50	388.5	76	79.1	173	454.6
Diseases of the heart (410-443)	7	22.0	11	27.8	6	149.0	19	147.6	22	61.0	78	204.9
Malignant neoplasms (140-205)	10	32.4	14	35.4	5	124.2	9	69.9	8	22.2	63	165.1
Neurotic system (310-359)	1	32.4	2	50.0	1	24.8	1	6.9	7	19.6	40	105.1
Vascular lesions affecting central nervous system (330-334)	1	32.4	2	50.0	1	24.8	1	6.9	7	19.6	40	105.1
Accidents (880-982)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza and pneumonia (480-493)	1	32.4	5	126.6	1	24.8	1	7.8	15	41.6	20	52.5
Certain diseases of early infancy (760-776)	1	32.4	5	126.6	1	24.8	1	7.8	15	41.6	20	52.5
Diabetes mellitus (260)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	-	-
Suicide (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	-	-	1	25.3	2	51.5	2	15.5	3	8.3	3	7.9

Cause	Headton		Henryetta		Hobart		Holdenville		Hollis		Hortley	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	63	21.7	93	14.2	127	34.7	92	16.1	76	25.3	53	18.5
Stillbirths*	2	31.7	3	21.4	3	21.4	1	0.5	2	6.8	8	27.1
Deaths, all causes*	25	8.6	98	15.0	85	16.6	117	20.5	55	18.3	42	14.7
Infant deaths*	6	32.3	4	31.5	4	31.5	2	26.3	2	26.3	2	37.7
Neonatal deaths*	6	32.3	4	31.5	4	31.5	2	26.3	2	26.3	2	37.7
Maternal deaths*	-	-	1	10.8	-	-	-	-	-	-	-	-
Deaths from leading causes**	13	44.6	49	74.0	35	68.2	43	73.8	22	73.1	16	53.3
Diseases of the heart (410-443)	2	69.0	12	183.2	13	253.3	21	367.6	11	365.9	6	209.4
Malignant neoplasms (140-205)	6	207.0	11	167.9	10	184.9	16	280.1	2	62.8	8	279.1
Neurotic system (310-359)	1	34.5	3	45.8	6	77.9	4	70.0	4	131.1	3	104.7
Vascular lesions affecting central nervous system (330-334)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Accidents (880-982)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Influenza and pneumonia (480-493)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Certain diseases of early infancy (760-776)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Diabetes mellitus (260)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Congenital malformations (750-759)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Suicide (E963, E970-E979)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7
Nephritis and nephrosis (590-594)	1	34.5	5	76.3	6	116.9	4	70.0	4	131.1	3	104.7

Cause	Richards Hills		Norman		Nowata	
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TABLE VII. RESIDENT BIRTHS, DEATHS, AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1960

Cause	Rate Valley		Beechdale		Berry		Picher		Fossil City		Forkuda	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	6,956		5,428		7,210		7,253		24,411		4,428	
Live births*	148	21.6	123	22.7	139	26.7	59	23.1	577	23.6	89	20.1
Stillbirths*	2	0.3	1	0.2	1	0.2	1	0.4	1	0.4	1	0.2
Deaths, all causes*	71	10.4	70	12.9	77	14.8	52	20.4	200	8.2	62	14.0
Deaths from leading causes**	2	0.3	2	0.4	2	0.4	2	0.8	2	0.8	2	0.4
Malignant neoplasms (140-203)	1	0.1	1	0.2	1	0.2	1	0.4	1	0.4	1	0.2
Congenital malformations (750-799)	1	0.1	1	0.2	1	0.2	1	0.4	1	0.4	1	0.2
Nephritis and nephrosis (590-594)	1	0.1	1	0.2	1	0.2	1	0.4	1	0.4	1	0.2
Deaths from leading causes**	29	423.0	23	426.8	27	510.2	21	822.6	67	274.5	15	338.8
Malignant neoplasms (140-203)	15	218.5	10	184.7	11	211.1	7	274.2	45	184.3	11	248.4
Congenital malformations (750-799)	10	145.9	14	258.6	10	191.9	4	156.7	23	94.2	15	338.8
Nephritis and nephrosis (590-594)	4	58.6	9	166.9	6	115.2	3	117.5	4	16.4	4	91.0
Influenza and pneumonia (480-493)	-	-	2	36.9	3	57.6	3	117.5	4	16.4	4	91.0
Certain diseases of early infancy	1	14.6	3	55.4	3	57.6	-	-	10	41.0	1	22.6
Diabetes mellitus (260)	-	-	1	18.5	1	19.2	-	-	3	12.3	1	22.6
Congenital malformations (750-799)	-	-	1	18.5	1	19.2	-	-	2	8.2	1	22.6
Suicide (895, 8970-8979)	-	-	1	18.5	1	19.2	-	-	1	4.1	-	-
Nephritis and nephrosis (590-594)	1	14.6	-	-	1	19.2	2	78.3	1	4.1	-	-

TABLE VII. RESIDENT BIRTHS, DEATHS, AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1960 (Continued)

Cause	Total		Vinita		Mogover		Walters	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	261,085		6,087		4,609		2,895	
Live births*	6,240	23.6	130	21.6	79	16.2	60	21.2
Stillbirths*	1	0.0	2	0.3	1	0.2	1	0.3
Deaths, all causes*	2,350	9.0	127	21.1	55	12.3	43	15.2
Deaths from leading causes**	154	24.7	4	38.5	3	41.1	1	16.7
Malignant neoplasms (140-203)	16	18.3	5	30.8	3	41.1	1	16.7
Congenital malformations (750-799)	1	1.6	-	-	1	13.0	-	-
Nephritis and nephrosis (590-594)	1	1.6	-	-	1	13.0	-	-
Deaths from leading causes**	765	284.7	46	763.2	17	380.4	15	531.0
Malignant neoplasms (140-203)	388	148.3	18	298.7	8	179.0	8	283.2
Congenital malformations (750-799)	227	105.9	21	346.4	11	246.1	5	177.0
Nephritis and nephrosis (590-594)	147	56.2	7	116.1	3	67.1	-	-
Influenza and pneumonia (480-493)	86	32.9	8	132.7	1	22.4	4	141.6
Certain diseases of early infancy	95	36.3	4	66.4	1	22.4	1	35.4
Diabetes mellitus (260)	30	11.5	1	16.6	1	22.4	1	35.4
Congenital malformations (750-799)	30	11.5	1	16.6	1	22.4	1	35.4
Suicide (895, 8970-8979)	11	8.0	1	16.6	3	67.1	-	-
Nephritis and nephrosis (590-594)	22	8.4	2	33.2	-	-	1	35.4

Cause	Pryor		Parcell		Stillisaw		Sand Springs		Sapulpa		Soyre	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	6,476		3,729		3,351		7,754		14,282		2,913	
Live births*	134	20.7	86	23.1	60	17.9	241	31.1	279	19.5	77	26.4
Stillbirths*	1	0.0	1	0.3	1	0.3	1	0.1	1	0.7	1	0.3
Deaths, all causes*	62	9.6	53	14.2	48	14.3	76	9.8	153	10.7	41	14.0
Deaths from leading causes**	1	0.1	1	0.3	1	0.3	1	0.1	1	0.7	1	0.3
Malignant neoplasms (140-203)	1	0.1	1	0.3	1	0.3	1	0.1	1	0.7	1	0.3
Congenital malformations (750-799)	1	0.1	1	0.3	1	0.3	1	0.1	1	0.7	1	0.3
Nephritis and nephrosis (590-594)	1	0.1	1	0.3	1	0.3	1	0.1	1	0.7	1	0.3
Deaths from leading causes**	23	355.2	21	563.2	20	596.8	18	232.1	64	448.1	18	617.9
Malignant neoplasms (140-203)	9	139.0	5	134.1	9	268.6	14	180.6	22	154.0	6	206.0
Congenital malformations (750-799)	8	123.5	11	295.0	13	387.9	13	167.7	22	154.0	4	137.3
Nephritis and nephrosis (590-594)	3	46.3	4	107.3	1	29.8	4	51.6	6	42.0	2	68.7
Influenza and pneumonia (480-493)	1	15.4	-	-	1	29.8	2	25.8	6	42.0	1	34.3
Certain diseases of early infancy	2	30.6	-	-	1	29.8	2	25.8	2	14.0	1	34.3
Diabetes mellitus (260)	2	30.6	-	-	1	29.8	2	25.8	2	14.0	1	34.3
Congenital malformations (750-799)	1	15.4	-	-	1	29.8	1	12.9	1	12.9	1	34.3
Suicide (895, 8970-8979)	1	15.4	-	-	1	29.8	1	12.9	1	12.9	1	34.3
Nephritis and nephrosis (590-594)	1	15.4	-	-	1	29.8	1	12.9	1	12.9	1	34.3

Cause	Watonga		Weatherford		Wooten		Woodward	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	3,252		4,409		5,934		7,747	
Live births*	84	25.8	104	23.1	102	17.1	192	24.8
Stillbirths*	1	0.0	1	0.2	1	0.2	1	0.1
Deaths, all causes*	61	18.9	31	6.9	7	1.9	9	26.0
Deaths from leading causes**	4	12.5	1	0.2	2	0.5	5	26.0
Malignant neoplasms (140-203)	1	3.0	1	0.2	2	0.5	5	26.0
Congenital malformations (750-799)	1	3.0	1	0.2	2	0.5	5	26.0
Nephritis and nephrosis (590-594)	1	3.0	1	0.2	2	0.5	5	26.0
Deaths from leading causes**	20	615.0	18	400.1	23	386.3	29	374.3
Malignant neoplasms (140-203)	10	307.5	5	111.1	16	268.7	12	154.9
Congenital malformations (750-799)	4	125.0	2	46.3	5	84.0	4	51.6
Nephritis and nephrosis (590-594)	4	125.0	1	22.2	2	33.6	6	77.4
Influenza and pneumonia (480-493)	1	30.8	-	-	2	33.6	1	12.9
Certain diseases of early infancy	1	30.8	-	-	2	33.6	1	12.9
Diabetes mellitus (260)	1	30.8	-	-	2	33.6	1	12.9
Congenital malformations (750-799)	1	30.8	-	-	2	33.6	1	12.9
Suicide (895, 8970-8979)	1	30.8	-	-	2	33.6	1	12.9
Nephritis and nephrosis (590-594)	1	30.8	-	-	2	33.6	1	12.9

Cause	Seaside		Shawnee		Stillbaker		Sulphur		Tahlequah		Tonkawa	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Census enumeration, April 1, 1960	11,464		24,336		23,965		4,737		5,860		3,415	
Live births*	180	15.7	498	20.5	607	25.3	56	11.8	150	25.7	48	14.1
Stillbirths*	4	0.3	8	0.3	1	0.0	1	0.0	1	0.2	1	0.3
Deaths, all causes*	89	7.8	282	11.6	145	6.1	105	22.2	75	12.8	47	13.8
Deaths from leading causes**	2	0.2	2	0.3	2	0.3	2	0.4	2	0.3	2	0.6
Malignant neoplasms (140-203)	1	0.1	1	0.1	1	0.1	1	0.2	1	0.2	1	0.3
Congenital malformations (750-799)	1	0.1	1	0.1	1	0.1	1	0.2	1	0.2	1	0.3
Nephritis and nephrosis (590-594)	1	0.1	1	0.1	1	0.1	1	0.2	1	0.2	1	0.3
Deaths from leading causes**	23	200.6	108	444.0	44	183.6	48	1,015.3	24	411.0	18	527.1
Malignant neoplasms (140-203)	20	174.5	40	164.4	28	116.8	11	232.2	13	222.8	8	234.3
Congenital malformations (750-799)	10	87.2	51	209.7	15	62.6	17	356.9	11	188.4	10	292.8
Nephritis and nephrosis (590-594)	5	43.6	19	78.1	11	45.9	5	105.6	2	34.2	2	58.6
Influenza and pneumonia (480-493)	1	8.7	7	28.8	3	12.5	1	21.1	2	34.2	1	29.3
Certain diseases of early infancy	1	8.7	12	49.3	8	33.4	1	21.1	2	34.2	1	29.3
Diabetes mellitus (260)	2	17.4	4	16.4	5	20.9	1	21.1	1	17.1	-	-
Congenital malformations (750-799)	-	-	4	16.4	1	4.2	1	21.1	1	17.1	-	-
Suicide (895, 8970-8979)	-	-	5	12.3	2	8.3	1	21.1	1	17.1	-	-
Nephritis and nephrosis (590-594)	-	-	5	12.3	1	4.2	-	-	1	17.1	-	-

