

**PUBLIC HEALTH STATISTICS**

STATE OF

**OKLAHOMA**

**1951**



**PART II**

**BIRTHS AND DEATHS**

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**BIRTHS AND DEATHS**

Oklahoma State Department of Health

Oklahoma City, Oklahoma

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PUBLIC HEALTH STATISTICS OF OKLAHOMA

BIRTHS AND DEATHS

1951

This bulletin, Public Health Statistics, Part II, is the tenth such bulletin published annually by the Oklahoma State Department of Health and contains information relating to births, stillbirths, and deaths occurring during the year 1951. Source records for the data it contains were primarily standard certificates of birth, stillbirth, and death filed for these events which occurred within the State. The more important aspects of Oklahoma's mortality and natality experience during 1951 are discussed on the pages immediately following and are illustrated with tables and charts to aid the reader in the interpretation of the statistical data.

The discussion is followed by detailed tables giving vital statistics data for each county and for each city having a population of 2,500 or more in the 1950 Census. Other tables for the State show deaths from selected causes by age at death, sex, and race; principal causes of death for each age group and race; live births and stillbirths by attendant and place of delivery; and a historical summary covering twenty-two years. Tabulations in greater detail are on file in manuscript form at the State Department of Health, and data beyond those given in this bulletin are furnished upon request whenever possible.

POPULATION

For computing rates appearing in this publication an estimated population of 2,234,730 for the State as of July 1, 1951, was used. County and city population estimates made by the Division of Statistics of the State Department of Health also were used in computing rates for counties and cities.

RESIDENCE ALLOCATION

Mortality and natality rates based on numbers of deaths and births occurring among the resident population of an area are of greater value and meaning than rates based on numbers of deaths and births by place of occurrence. A voluntary interchange among the states, Alaska, Hawaii, and Canada of transcripts of deaths and births occurring to non-residents of the area makes it possible to count births and deaths occurring to residents of Oklahoma even though the event may have occurred outside the State. Allocation for residence within the State is made on a county and city basis.

With one exception, the tables appearing in this bulletin are based on data by place of residence. Since data by place of occurrence are sometimes needed, Table C has been included which shows the number of births, stillbirths, deaths, infant and neonatal deaths by county of occurrence.

In 1951, as in previous years, the numbers of resident births and deaths occurring outside Oklahoma exceeded the numbers of non-resident births and deaths occurring within the State. These numbers are shown in Table 1.



Table 1

Residence Allocation, Oklahoma, 1951

	Non-Resident Certificates Excluded	Resident Transcripts Included
Births	1,427	1,716
Deaths	505	979

The result of the residence allocation procedure, therefore, for Oklahoma is a net gain in both births and deaths. Since residents of the State living in counties bordering other states are attracted to hospital facilities in these states, the largest numbers of resident births and deaths occurring outside the State occur in neighboring states, with Texas leading the list. The states which reallocated the largest numbers of transcripts to Oklahoma are shown in Table 2.

Table 2

Births and Deaths of Oklahoma Residents Occurring Outside Oklahoma, by State in which the Events Occurred 1951

State	Number	
	Births	Deaths
Total	1,716	979
Alabama	12	2
Arizona	9	31
Arkansas	435	133
California	5	41
Colorado	27	19
Florida	9	4
Illinois	8	18
Kansas	333	206
Kentucky	9	7
Louisiana	3	16
Mississippi	24	2
Missouri	79	65
New Mexico	43	39
Tennessee	8	13
Texas	601	283
Washington	24	6
All Others	87	94

CAUSE OF DEATH CLASSIFICATION

The cause of death selected for statistical purposes from multiple causes reported on a death certificate is selected according to the procedure established in connection with the sixth revision of the International List of causes of death now called the International Statistical Classification of Diseases, Injuries, and Causes of Death. Because the sixth revision and its classification rules represented a radical departure from previous classification methods it has been necessary to publish special aids to interpreting mortality statistics when comparisons are to be made which bridge the year the sixth revision went into effect, 1949. Consequently, for the year 1949, deaths were classified both by the fifth revision rules and by the sixth revision rules and comparability ratios were established for main categories in causes of death. Such ratios provided a means for estimating how much of an increase or decrease in number of deaths for a specific cause was due to the difference in classification procedure alone.

In Table B in the Appendix numbers and rates for certain diseases for the years 1940 through 1949 have been adjusted according to comparability ratios established in 1949. Numbers and rates appearing in Table B should be used whenever it is desired to compare mortality data for 1940 - 1949 with any year subsequent to 1949.

LIVE BIRTHS

In 1951, 50,597 live infants were born to Oklahoma residents, 1,716 of whom were born outside the State. This is a number greater than that for any other year except 1947 when 52,691 were born. The birth rate for 1951, however, was 22.6 per 1,000 population, the same as that for the previous year. Of these births, 44,871 were white, 3,799 were Negro, and 1,927 were Indian, giving rates of 22.0, 26.1, and 35.8, respectively, for these population groups.

Table 3

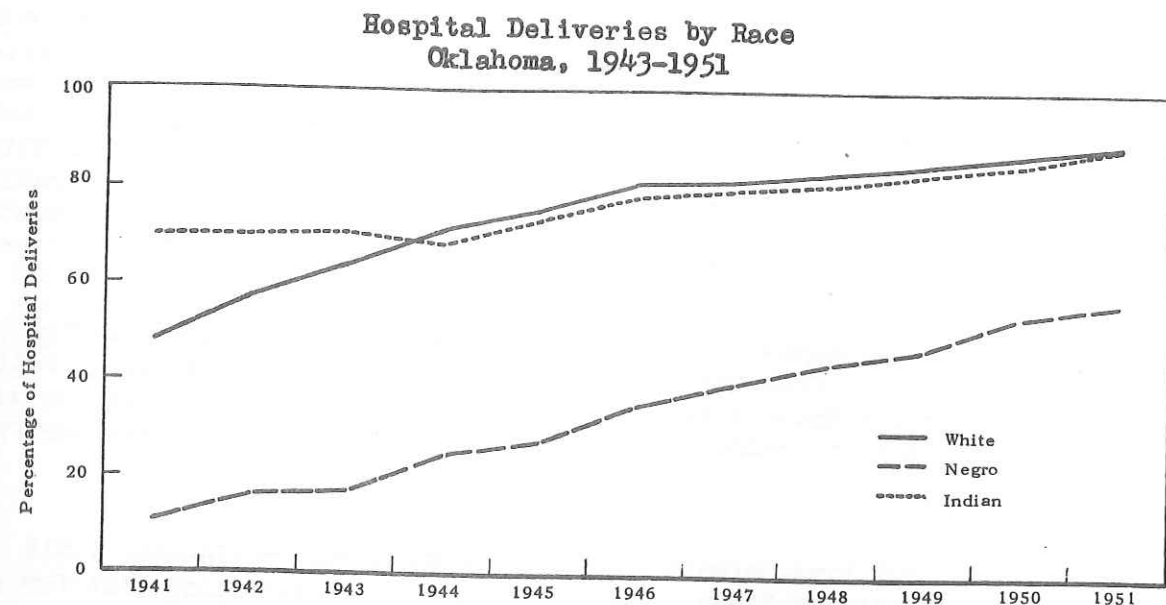
Live Birth Attendance by Race Oklahoma, 1951

Attendance	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total live births	50,597	100.0	44,871	100.0	3,799	100.0	1,927	100.0
Physician in hospital	43,971	86.9	40,106	89.4	2,154	56.7	1,711	88.8
Physician in mat. home	351	0.7	341	0.8	4	0.1	6	0.3
Physician in home	5,115	10.1	4,184	9.3	786	20.7	145	7.5
Midwife and other	1,160	2.3	240	0.5	855	22.5	65	3.4

The number of infants born in hospitals continues to increase each year. Almost 87 per cent of the total live births occurred in hospitals during 1951 compared with only 40 per cent in 1940. The proportions of white and Indian live births occurring in hospitals, 89.4 and 88.8 per cent respectively, were very nearly the same while that for Negro live births was lower, 56.7 per cent,

as may be seen in Table 3. In spite of this difference, however, the numbers of Negro births occurring in hospitals also is increasing each year. The increasing numbers over a period of several years may be seen in Chart 1.

Chart 1



A greater proportion of babies of mothers resident of urban areas, 93.8 per cent, were delivered in hospitals than mothers resident of rural areas, 77.5 per cent. On the other hand, 4.1 per cent of the urban live births were attended by physicians in the home compared with 18.2 per cent of the rural live births. The total proportions attended by physicians were 98.4 per cent for urban births and 96.8 per cent for rural births, as may be seen in Table 4.

Table 4

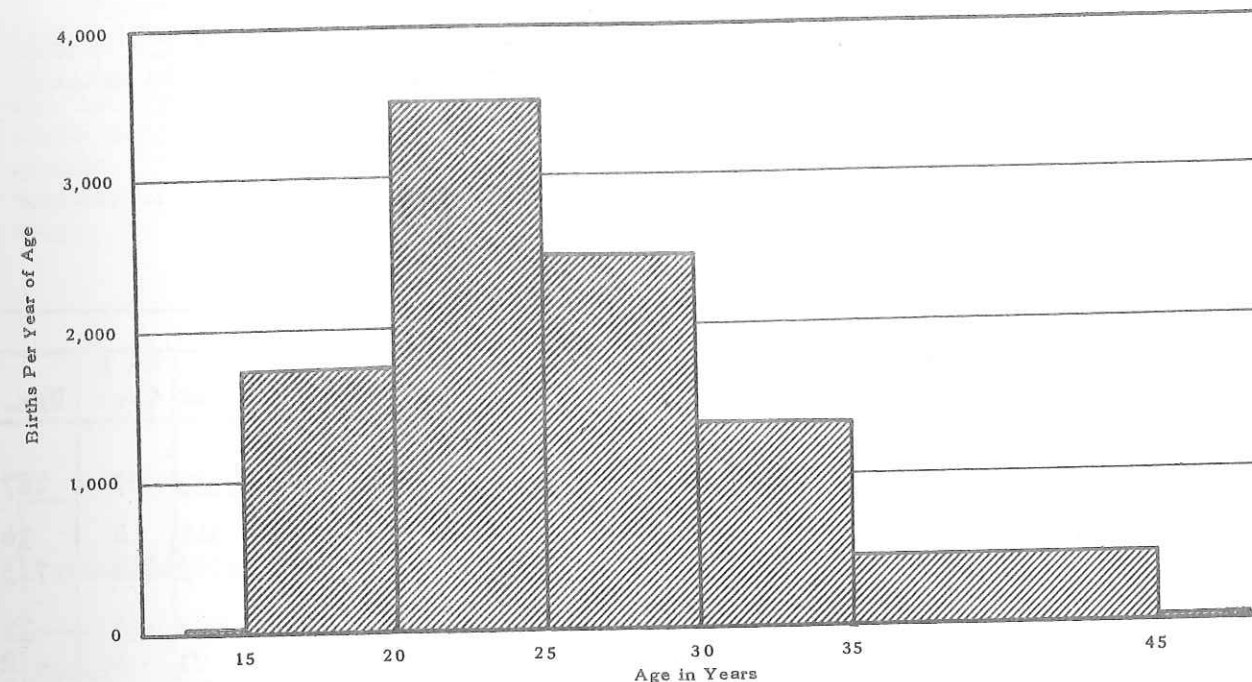
Live Birth Attendance, Urban and Rural  
Oklahoma, 1951

Attendance	Total		Urban		Rural	
	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	50,597	100.0	29,134	100.0	21,463	100.0
Physician in hospital	43,971	86.9	27,341	93.8	16,630	77.5
Physician in mat. home	351	0.7	113	0.4	238	1.1
Physician in home	5,115	10.1	1,205	4.1	3,910	18.2
Midwife, other, unknown	1,160	2.3	475	1.6	685	3.2

Chart 2 shows numbers of births by age of the mother. Approximately 77 per cent of all births occurred to mothers 15-29 years of age. From the chart it may be seen that the greatest number occurred to mothers 20-24 years of age.

Chart 2

Live Births by Age of Mother  
Oklahoma, 1951



Immature Births

The year 1951 makes the fourth year for which birth weight information has been available since the 1948 revision of the standard birth certificate included this item. As was found in 1950, 98 per cent of certificates filed reported birth weight information. Infants having a birth weight of five and one-half pounds or less were classified as immature. Of the number with birth weight specified, 3,370 births or 6.8 per cent were immature.

Table 5

Percentage of Immature\* Live Births, by Race  
Oklahoma, 1951

	Total	White	Negro	Indian
Live births with birth weight specified	49,568	44,070	3,634	1,864
Birth weight 5½ pounds or less	3,370	2,885	392	93
Per cent	6.8	6.5	10.8	5.0

\* Based on birth weight alone.

There was a difference among population groups in the proportions of immature births. The highest percentage, 10.8, was observed among Negro births and the lowest, 5.0, among Indian births, while that among white births was 6.5 per cent. This comparison may be seen in Table 5.

The numbers of immature infants by birth weight and by age of the mother are shown in Table 6. The highest proportion of immature births was to mothers under fifteen years of age.

Table 6

Immature Births by Weight, and Age of Mother  
Oklahoma, 1951

Birth Weight	Total	Age of Mother							
		Under 15	15-19	20-24	25-29	30-34	35-44	45 & Over	Unk.
Live births with birth weight specified	49,568	66	8,612	17,223	12,192	6,688	4,533	67	187
Total immature births	3,370	6	665	1,135	774	431	341	4	14
Per cent immature	6.8	9.1	7.7	6.6	6.3	6.4	7.5	6.0	7.5
4 lb 7 oz - 5 lb 8 oz	2,276	3	431	777	536	287	228	3	11
3 lb 5 oz - 4 lb 6 oz	594	2	138	183	130	67	71	1	2
2 lb 4 oz - 3 lb 4 oz	317	1	67	117	62	44	25	-	1
Less than 2 lb 4 oz	183	-	29	58	46	33	17	-	-

Since special facilities often needed for the care of immature infants are more likely to be found in hospitals than in the home, a comparison has been made between the proportions of hospital deliveries among immature and mature infants and is shown in Table 7. In the total group and white and Negro groups, the percentage of immature infants born in hospitals was greater than the percentage of mature infants born in hospitals, while the reverse was true for Indian births. The relatively low percentage of Indian immature infants born in hospitals may be accounted for by the distances between residence and Indian Hospital which are likely to be greater than distances between residence and general hospital facilities.

Table 7

Number and Per Cent of Immature and Mature Live Births  
Occurring in Hospitals, by Race  
Oklahoma, 1951

	Immature			Mature		
	Total	Hospital	Per Cent	Total	Hospital	Per Cent
Total	3,370	2,968	88.1	47,227	41,003	86.8
White	2,885	2,666	92.4	41,986	37,440	89.2
Negro	392	243	62.0	3,407	1,911	56.1
Indian	93	59	63.4	1,834	1,652	90.1

STILLBIRTHS

The smallest number of stillbirths ever counted, 764, occurred to residents of Oklahoma during 1951. The smallest number previously reported was for the year 1950 when 825 were counted. The ratio of stillbirths to live births was 15.1 per 1,000 in 1951 compared with 16.3 per 1,000 in 1950. The stillbirth ratio was lower for the white racial group than for the Negro and Indian groups, the ratios being 13.8, 28.2, and 20.8, respectively. Table 8 shows numbers and per cents of stillbirths by attendant and place of occurrence, by race.

Table 8

Stillbirth Attendance by Race, Number and Per Cent,  
Oklahoma, 1951

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	764	99.9	617	99.9	107	99.9	40	100.0
Physician in hospital	662	86.6	550	89.1	73	68.2	39	97.5
Physician in mat. home	-	-	-	-	-	-	-	-
Physician in home	82	10.7	60	9.7	21	19.6	1	2.5
Midwife	16	2.1	4	0.6	12	11.2	-	-
Other and unknown	4	0.5	3	0.5	1	0.9	-	-

A stillbirth, according to the State's legal definition, is a birth which is not a live birth at 20 weeks or more gestation. By law, a special stillbirth certificate must be filed for each such event.

The numbers of stillbirths attributed to various important causes, together with the percentages, are included in Table 9 for 1951 in Oklahoma. A more detailed tabulation of the data from the stillbirth certificates revealed certain interesting facts not included in the table. One of these was that only nine stillbirths during the year were attributed to maternal syphilis, five of which specified syphilitic infection in the fetus itself; another was that of the eight stillbirths assigned to acute disease in the mother, four were due to influenza. No fetal deaths were attributed to absorption of narcotic or other toxic substance from the mother. When more than one cause of stillbirth was mentioned on one certificate, and a logical sequence could not be established, then precedence was given to causes determined in the fetus, placenta, and cord, when these were included on the certificate with causes and conditions in the mother.



**Table 9**  
Resident Stillbirths, by Cause of Stillbirth  
Oklahoma, 1951

Cause of Stillbirth	Number	Per Cent
Total . . . . .	764	100.0
Causes Determined in the Mother, or Related to Pregnancy:		
Diabetes mellitus (Y30.2) . . . . .	4	0.5
Chronic disease of genito-urinary system (Y30.4) . . . . .	-	-
Other chronic diseases (Y30.0, .1, .3, .5) . . . . .	12	1.6
Acute disease in mother (Y31) . . . . .	8	1.0
Toxemias of pregnancy (Y32.3, .4) . . . . .	62	8.1
Infection (ante- and intra-partum) (Y32.5) . . . . .	12	1.6
Difficulties in Labor (Y34) . . . . .	52	6.8
Self-induced abortion (Y32.0) . . . . .	-	-
Accident or violence (Y35.0, .1) . . . . .	11	1.4
Other and ill-defined causes in mother (Y32.1, .2, Y33, Y35.2, .3) . . . . .	5	0.7
Causes Determined in the Fetus, Placenta or Cord:		
Placenta and cord conditions (Y36) . . . . .	285	37.3
Birth injury (Y37) . . . . .	3	0.4
Congenital malformations of fetus (Y38) . . . . .	62	8.1
Erythroblastosis (Y39.2) . . . . .	29	3.8
Other causes determined in the fetus (Y39.0, .1, .3) . . . . .	6	0.8
Ill-defined causes (Y39.4, .5) . . . . .	58	7.6
Cause unspecified (Y39.6) . . . . .	155	20.3

On the stillbirth certificate, a space is provided for information regarding any operative procedure involved. No operation (except perhaps episiotomy) was performed in 531 of the 764 stillbirths. In 130 other cases, no statement was made as to whether or not there was an operation for delivery.

**Table 10**  
Resident Stillbirths, According to Whether Death Occurred Before or During Operation, By Race, Number and Per Cent, Oklahoma, 1951

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Operations	103	100.0	85	100.0	12	100.0	6	100.0
Before operation	64	62.1	54	63.5	6	50.0	4	66.6
During operation	17	16.5	14	16.5	2	16.7	1	16.7
Not stated	22	21.4	17	20.0	4	33.3	1	16.7

Operations were reported for 103 stillbirths, these operations including 55 Cesarean sections and 17 forceps deliveries, two of which were specified to be with version. Table 10, above, indicates that in three-fifths of the 103 cases where operative procedure was used, fetal death had occurred before operative intervention.

Besides the information regarding operations, the standard stillbirth certificate form requests the time of death with respect to the onset of labor. This information was omitted, however, from 111 of the certificates in 1951. Table 11 contains a tabulation of this item for each racial group.

**Table 11**  
Resident Stillbirths, According to Whether Death Occurred Before or During Labor, by Race, Number and Per Cent, Oklahoma, 1951

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Stillbirths	764	100.0	617	100.0	107	100.0	40	100.0
Before labor	455	59.6	365	59.2	61	57.0	29	72.5
During labor	198	25.9	162	26.3	26	24.3	10	25.0
Not stated	111	14.5	90	14.6	20	18.7	1	2.5

TOTAL DEATHS

For 1951, Oklahoma's crude death rate was 9.0 per 100,000 estimated population, based on 20,082 resident deaths. The rates for the white, Negro, and Indian populations were 8.7, 12.4, and 11.2, respectively. These rates, and the figures on which they are based, may be found in Tables I and II in the Appendix, together with data for important causes of death.

The death certificates supplying the information from which these figures were compiled, varied widely in the completeness of the information included. In all but 38 cases, however, the age at death was obtained, and the average age was determined to be 60.38 years. Those surviving beyond the first year of life died at an average age of 65.46 years.

LEADING CAUSES OF DEATH

The eight leading causes of death in 1951 were the same as in 1950, and were in the same order except that tuberculosis dropped from seventh to eighth rank, exchanging places with nephritis and nephrosis. The three most important causes -- heart disease, malignant neoplasms, and vascular lesions of the central nervous system -- together accounted for more than one-half of the total deaths.

Not only were the eight leading causes of death in 1951 the same as in the previous year; except for order, they had not changed in 20 years. The proportion of the total number of deaths assigned to each cause, however, had undergone a great deal of variation. Table 12, below, shows the number of deaths assigned to each of the leading causes of death in 1951 compared to the numbers assigned in 1941 and 1931 (adjusted by means of the comparability ratio to eliminate, so far as possible, the effect of the change in coding procedures).

Table 12

Leading Causes of Death, Oklahoma, 1931, 1941, 1951

Cause of Death	1931*	1941*	1951
Total deaths	18,802	20,097	20,082
Diseases of the heart	2,572	4,596	6,279
Cancer	1,269	1,953	2,843
Vascular lesions of the central nervous system	1,495	1,897	2,536
Accidents	1,285	1,377	1,500
Congenital malformations	1,054	1,395	1,173
Pneumonia	1,433	984	518
Nephritis	507	609	445
Tuberculosis	1,265	1,023	422

\* Comparability ratio applied to numbers of deaths from specific causes.

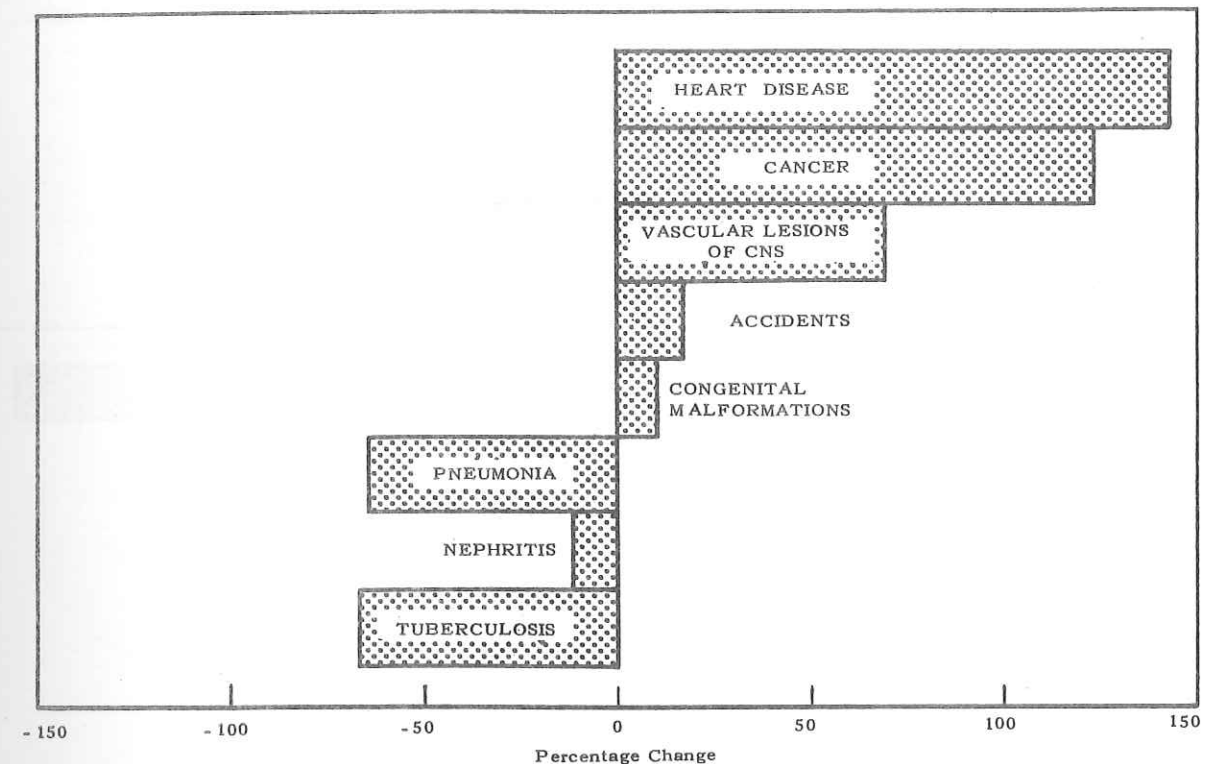
In 1931, the eight leading causes together were responsible for 57.9 per cent of the total deaths; in 1941, for 68.8 per cent; and in 1951, for 78.3 per cent. The net change in 20 years is more clearly seen in Chart 3, showing the percentage change of 1951 figures from those for 1931. The number of deaths assigned to heart disease and to cancer more than doubled during the period, with a somewhat smaller proportionate increase in vascular lesions of the central nervous system. Pneumonia and tuberculosis showed large decreases in mortality.

Deaths from the three leading causes, which were also the three showing the greatest percentage increase in Chart 3, usually occur at the higher ages. About 70 per cent of the deaths at 65 and over were assigned to causes in this group. At ages 45 to 64, about 67 per cent were so assigned. "Congenital malformations and certain diseases of early infancy" was the most important cause of death in the age group 0-4 years, resulting in about 60 per cent of the deaths. Accidents, the second most important cause in this group, accounted for 8 per cent. The latter cause was the most important in each of the age groups from 5 through 34 years, as may be seen in Table IV, in the Appendix.

Both suicide and homicide were among the leading causes of death for the age groups from 15 through 44 years. Maternal causes appeared in the list for groups 15-24 and 25-34. The total number of deaths occurring in these young adult ages was, of course, quite small. Further data on cause of death by age, race, and sex may be found in Table III.

Chart 3

Percentage Change in Deaths Assigned to the Leading Causes 1951 over 1931, Oklahoma



#### Heart Disease

Heart disease was responsible for 6,279 deaths of Oklahomans in 1951. The death rate, higher than for any year in the past, was 281.0 per 100,000 estimated population.

The arteriosclerotic and degenerative heart diseases led the list with 4,541 deaths, 72.3 per cent of the total for all heart conditions, while 14.7 per cent were assigned to hypertensive heart diseases, 3.6 to chronic rheumatic heart disease, and 9.4 per cent to other diseases of the heart. Statistics for these four major groups are included in the tables in the Appendix. Chart 4 shows the way in which the deaths were distributed by sex.

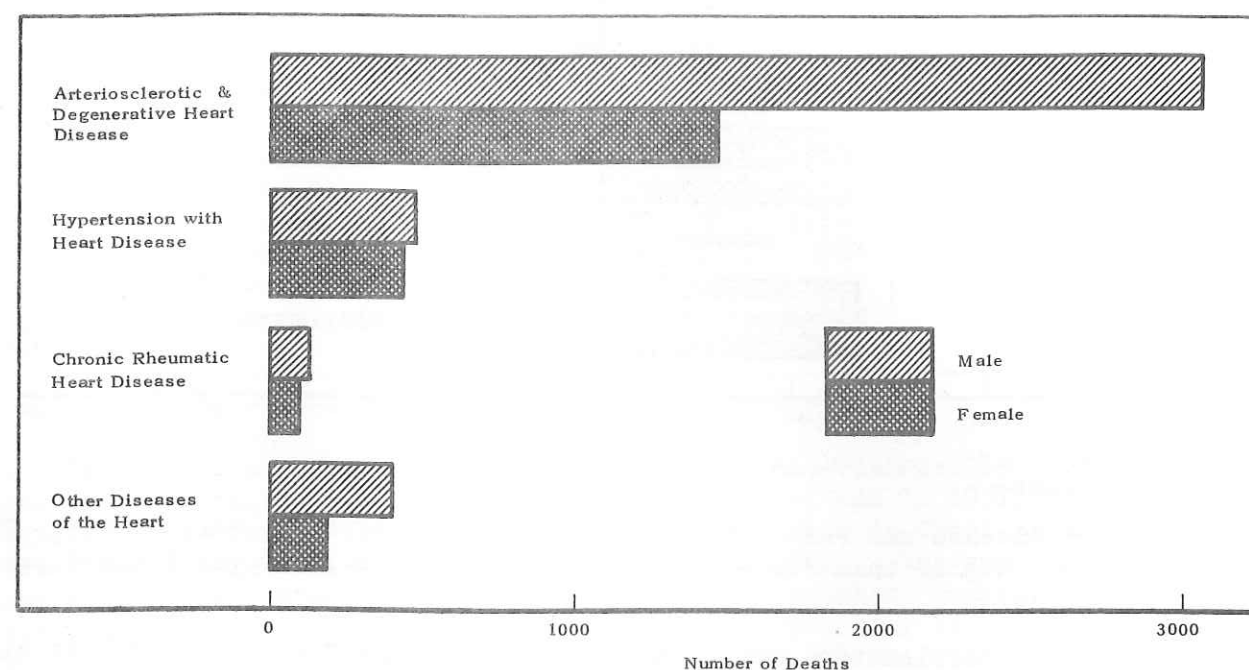
In addition to sex, race and age were significant factors in death from heart disease. The rates for the white and Negro populations were about the same -- 282.8 and 280.4, respectively -- while the Indian rate was much lower -- 213.9 per cent. Of the total number of deaths of males, 34.2 per cent were attributed to diseases of the heart, while only 27 per cent of the deaths of females were so assigned. The age distribution of these deaths varied a great deal between the race-sex groups. While 69.9 per cent of the total number of heart disease deaths were at ages 65 and over, for white females the figure was 81.6 per cent, and for Negro females, 49.1 per cent, other groups showing intermediate percentages. Approximately 38 per cent of all deaths at 65 and over were due to heart disease.



Two conditions not included in this category are closely related to these diseases, and may be mentioned here -- congenital heart disease and rheumatic fever. Congenital heart disease is discussed later in this publication, with other congenital malformations. There were 18 deaths due to rheumatic fever in 1951, 12 of which were specified as having heart involvement, 4 without mention of such involvement, and 2 specified as chorea. These deaths were, of course, in addition to 225 from chronic rheumatic heart disease.

Chart 4

Deaths from Major Types of Heart Disease, by Sex, Oklahoma, 1951



#### Malignant Neoplasms

Malignant neoplasms, including leukemia and other neoplasms of lymphatic and hematopoietic tissues, were second in importance as a cause of death in 1951, accounting for 14.2 per cent of the total deaths.

Age, sex, and race all appeared to be important factors in cancer mortality, for certain sites at least. In the total for all sites, though, the difference in rates was not very great between the races. For the total population, the death rate was 127.2 per 100,000 estimated population. Both the white and Negro populations had rates of 127.1, while the Indian rate was 132.0.

Sex differences in mortality from cancer of various sites are indicated in Table 13. The categories used in this table differ somewhat from those included

in the Appendix, but are the same as in the cancer tabulations in Part I of Public Health Statistics, Reportable Diseases. Chart 5 shows the way in which cancer mortality in each sex varied with age.

Table 13

Resident Deaths from Malignant Neoplasms, by Primary Site, by Sex, Oklahoma, 1951

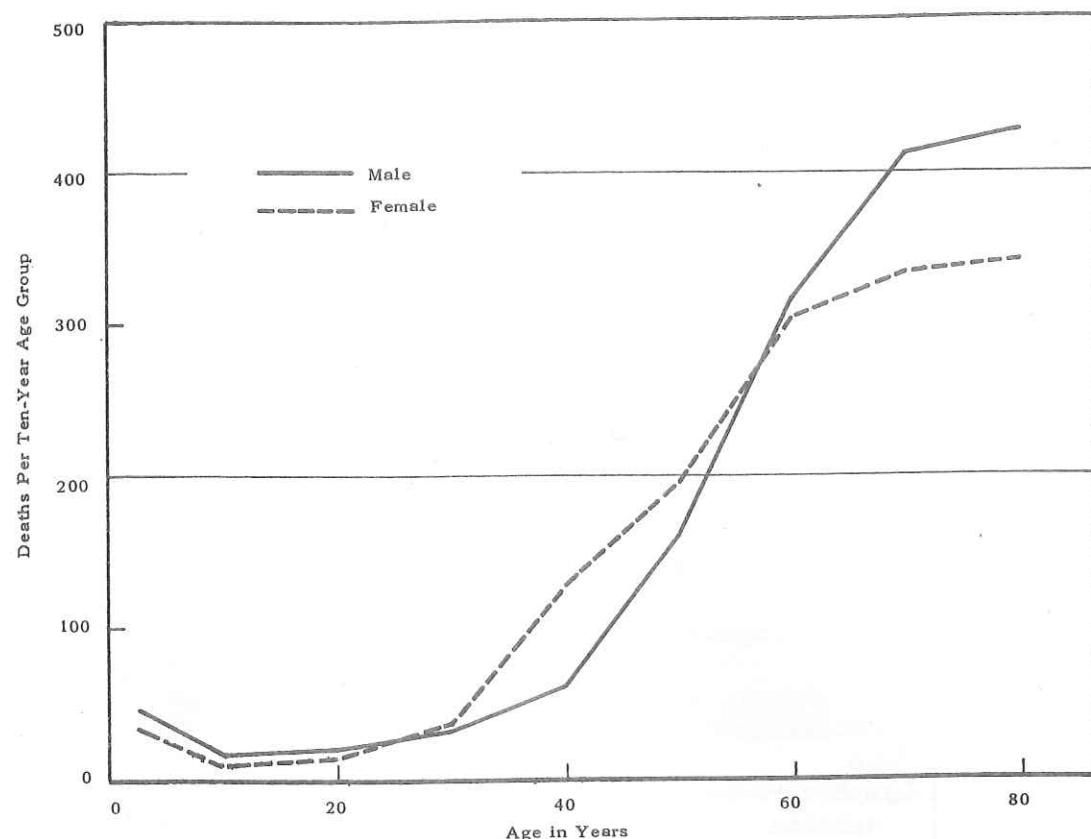
Site	Male	Female
Total	1,467	1,376
Buccal cavity and pharynx	49	12
Digestive organs and peritoneum	619	438
Nose, nasal cavities, middle ear, and accessory sinuses	8	1
Other respiratory organs	188	42
Breast	3	214
Uterus	-	266
Other female genital organs	-	63
Male genital organs	178	-
Urinary organs	78	49
Skin	44	24
Brain and other parts of the central nervous system	40	29
Bone	16	18
Lymphosarcoma and reticulosarcoma	23	17
Hodgkin's disease	21	8
Leukemia and aleukemia	83	57
Other neoplasms of lymphatic and hematopoietic tissues	14	17
Other and unspecified organs	103	121

As has been the case each year since 1948, more deaths of males than of females were assigned to cancer. In 1951 the figures were 1,467 and 1,376, respectively. Also, more deaths of males than of females were attributed to most of the sites common to both sexes.

The cancer in more than one-third of the decedents was primary in the digestive organs or peritoneum, and these sites were most important in both sexes. The next most important site for men was the respiratory system, with 188 deaths; for women, the uterus, with 266 deaths. Of the uterine cancers, 124, or 26.6 per cent, appeared from information on the death certificate to have originated in the cervix. Only 9 had their primary site in other parts of the uterus, while for 133 deaths the exact location was unspecified. The third most frequently reported site for males was the genital organs. Of the 178 cancers in this group, the primary site of 160 was in the prostate.

Chart 5

Resident Deaths from Malignant Neoplasms, by Age Group,  
Each Sex, Oklahoma, 1951



Vascular Lesions of the  
Central Nervous System

The generally upward trend in the number of deaths from cerebral hemorrhage and related conditions continued in 1951 with 2,536 such deaths having been recorded, compared to the 1950 figure of 2,246, the largest number previously reported. The death rates showed considerable difference between the racial groups, being 162.9 for the Negro group, 111.2 for the white, and 67.0 for the Indian. These rates were all somewhat higher than in 1950, when they were 136.1 for the Negro group, 99.2 for the white, and 55.8 for the Indian. As in other years, the sex difference was small; 52.4 per cent of the deaths were of males. Age, however, was an important factor; only 3 per cent of the deaths were at less than 45 years of age, while 80 per cent were at 65 years and over.

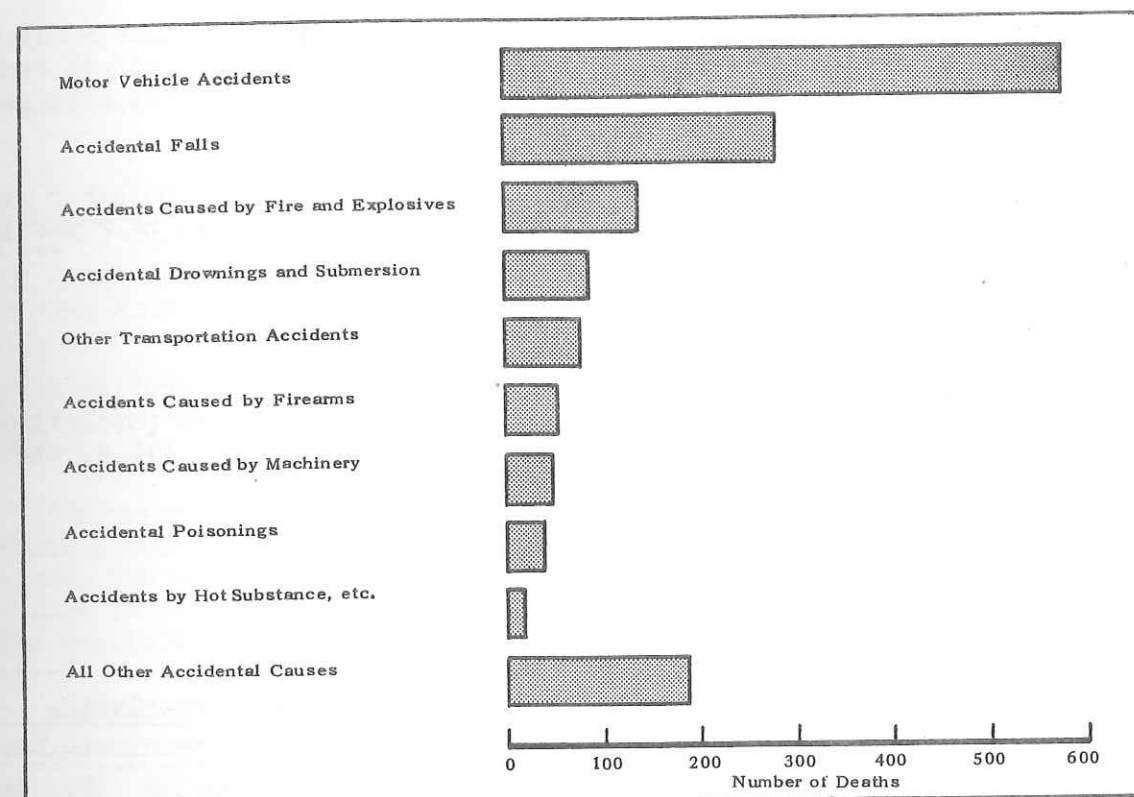
Accidents

Accidents continued to be the fourth leading cause of death in the entire population, and the leading cause in the 5-34 years age groups. (See Table IV in the Appendix.) The 1,500 deaths recorded from this cause in 1951 represented a considerable increase over the 1,350 in 1950. Deaths from motor-vehicle accidents increased from 522 to 577, and all other accidents from 828 to 923.

The number of deaths assigned to various types of accidents is indicated in Chart 6. These categories are the same as those included in Table I in the Appendix, which also shows numbers and rates by race. Further information about accidental deaths in 1951 will be available in Part III of Public Health Statistics, Accidental Deaths.

Chart 6

Accidental Deaths by Cause of Injury  
Oklahoma, 1951



Congenital Malformations and  
Certain Diseases of Early Infancy

The large proportion of deaths of infants assigned to "congenital malformations and certain diseases of early infancy" has made that the fifth leading cause of death in Oklahoma. Since all but 5 per cent of the deaths assigned to these conditions were at less than one year of age (this 5 per cent comprising 57 deaths due to congenital malformations, and one each in the categories "post-natal asphyxia and atelectasis" and "ill-defined diseases of early infancy, and immaturity unqualified") discussion of this cause is included in the section on Infant and Neonatal Deaths.

Pneumonia

The 518 deaths assigned to pneumonia made this disease the sixth leading cause of death. Not included in this group were deaths due to pneumonia with influenza, 47; deaths due to hypostatic pneumonia, 34; and deaths due to pneumonia of the newborn, 16. These were included elsewhere.

While this condition is no longer so important a cause of death as in the past, in 1951 it was still the third leading cause of death in the ages 0-4 years, and the fifth leading cause at ages 65 and over.

Nephritis and Nephrosis

The number of deaths due to nephritis and nephrosis was the same as that reported in 1950 -- 445. In 1950 these diseases comprised the eighth leading cause of death, but on account of the drop in the number of deaths assigned to tuberculosis, in 1951 this cause attained the seventh rank.

The rate for the Negro population was much higher than for the other racial groups. This rate was 59.8, while the Indian and white rates were 24.2 and 16.9, respectively.

Tuberculosis

In 1951, tuberculosis continued its downward trend, accounting for only 2.1 per cent of the total deaths. The death rate for the entire population was 18.9, compared to 22.4 in 1950. As usual, the Indian rate, 119.0, was much higher than the white rate, 14.8, and the Negro rate, 38.5.

Table 14  
Tuberculosis Deaths in State Mental Institutions and in the General Population Number and Per Cent, Oklahoma, 1951

Age in Years	State Mental Institutions		General Population		
	Total Deaths	Tuberculosis Deaths Number Per Cent	Total Deaths	Tuberculosis Deaths Number Per Cent	
All ages	595	40 6.7	20,082	422	2.1
Under 15	9	- -	2,174	24	1.1
15-24	14	3 21.4	438	23	5.3
25-34	21	9 42.9	560	54	9.6
35-44	32	11 34.4	931	63	6.8
45-54	53	7 13.2	1,657	67	4.0
55-64	94	6 6.4	2,859	77	2.7
65-74	159	2 1.3	4,546	74	1.6
75 and over	211	2 0.9	6,879	39	0.6
Unknown	2	- -	38	1	-

The number of deaths from tuberculosis decreased in the state-operated mental institutions, as well as in the general population. While in 1950 7.7 per cent of the deaths in mental institutions were due to tuberculosis, in 1951 only 6.7 per cent were due to this disease. The table above compares the proportionate mortality from tuberculosis in state mental institutions and in the general population.

COMMUNICABLE DISEASES

Deaths from acute communicable diseases have followed a downward trend for the past several years. Although the number of deaths from these diseases is relatively small, they present a constant threat which merits the attention of those concerned with preventive as well as curative medicine.

In 1951, typhoid and paratyphoid fevers caused 4 deaths (2 deaths assigned to each disease), all of which occurred in the white population, compared to one death from typhoid and none from paratyphoid in 1950. Only 6 deaths from diphtheria were reported, 3 less than the number of deaths in 1950. The death rate from this cause was 0.3 per 100,000 estimated population. All deaths were in the 1-9 years age group. Whooping cough accounted for 18 deaths. Eleven of the decedents were under one year of age; one was in the 10-14 years group; and the rest were aged from one to four years. Eight were white, 7 Negro, and 3 Indian.

Measles accounted for 25 deaths in 1951, compared to only one death in the preceding year. The rate of 11.2 for the Indian population was high in comparison with the white rate, 0.8, and the Negro rate, 1.4. All the deaths except two were in the 0-14 years age group; one was in the 20-24 years group; the other was in the group 75 years and over.

Five of the 16 deaths due to dysentery were attributed to the bacillary form of the disease, 3 to amebic dysentery, while 8 were unspecified as to type. The rate was highest in the Negro population, 4.1, with the Indian rate only slightly lower, 3.7. The white rate was very small, 0.4. Deaths from diarrhea and enteritis (not separately available from the categories included in the tables) comprised 3 from diarrhea of the newborn (International List Number 764) and 56 from other gastro-enteritis and colitis (International List Number 571).

The number of deaths due to acute poliomyelitis, 38, was the same as that reported in 1950. In addition to these 38 deaths, 2 were reported as due to late effects of poliomyelitis. Thirty-eight of the deaths were in the white population; one was Indian and one Negro.

Scarlet fever accounted for one death in 1951, and streptococcal sore throat, for 9. In 1950, no deaths were assigned to scarlet fever and 6 to streptococcal sore throat.



MATERNAL DEATHS

The death rate for maternal causes was 1.1 per 1,000 live births in 1951, the lowest recorded, except for the 1949 rate of 0.9. The total number of deaths attributed to these causes was 55.

Childbearing was most hazardous in the Negro racial group, where the rate was 4.7 deaths per 1,000 live births, compared to 3.6 for the Indian group, and 0.7 for the white. Table 15 shows the number of deaths in each racial group from important maternal causes.

Table 15

Maternal Deaths by Cause, by Race, Number and Rate\*, Oklahoma, 1951

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes. . . . .	55	1.1	30	0.7	18	4.7	7	3.6
Sepsis of pregnancy (640, 641) . . .	1	0.0	1	0.0	-	-	-	-
Toxemias of pregnancy (642) . . . . .	15	0.3	5	0.1	7	1.8	3	1.6
Hemorrhage of pregnancy (643, 644) . .	3	0.1	2	0.0	-	-	1	0.5
Ectopic pregnancy without mention of sepsis (645.0) . . . . .	-	-	-	-	-	-	-	-
Ectopic pregnancy with mention of sepsis (645.1) . . . . .	4	0.1	2	0.0	2	0.5	-	-
Other complications of pregnancy (646-649) . . . . .	3	0.1	2	0.0	1	0.3	-	-
Abortion without mention of sepsis or toxemia (650) . . . . .	1	0.1	-	-	1	0.3	-	-
Abortion with mention of sepsis (651) . . . . .	-	-	-	-	-	-	-	-
Abortion with toxemia, without mention of sepsis (652) . . . . .	-	-	-	-	-	-	-	-
Delivery without specified complications (660) . . . . .	5	0.1	3	0.1	2	0.5	-	-
Hemorrhage of childbirth (670-672) . . . . .	9	0.2	6	0.1	1	0.3	2	1.0
Sepsis of childbirth and the puerperium (681, 682, 684) . . . . .	6	0.1	2	0.0	3	0.8	1	0.5
Toxemias of the puerperium (685, 686) . . . . .	3	0.1	3	0.1	-	-	-	-
Other complications of childbirth and the puerperium (673-680, 683, 687-689) . . . . .	5	0.1	4	0.1	1	0.3	-	-

\* Number per 1,000 live births.

The age at death of these women is indicated in Table 16. When these figures are compared with the data for mother's age in the birth tables, it is found that the death rate was highest in the age group 35-44 years, where 4,654 live births were recorded and 17 maternal deaths occurred, for a rate of 3.7 maternal deaths per 1,000 live births.

Table 16

Maternal Deaths, by Cause, by Age Oklahoma, 1951

Cause of Death	Total	Age						
		-15	15-19	20-24	25-29	30-34	35-44	45+
All maternal causes	55	-	5	9	12	12	17	-
Sepsis of pregnancy, childbirth and the puerperium	7	-	-	2	1	2	2	-
Toxemias of pregnancy and the puerperium	18	-	3	1	5	5	4	-
Hemorrhage of pregnancy and childbirth	12	-	1	4	2	2	3	-
Abortion without mention of sepsis or toxemia	1	-	-	-	1	-	-	-
Abortion with sepsis	-	-	-	-	-	-	-	-
Other complications of pregnancy, childbirth, and the puerperium	17	-	1	2	3	3	8	-

Maternal deaths were the seventh leading cause of death in the 15-24 years and the 25-34 years age groups.

INFANT DEATHS

Although the number of live births was less than one per cent greater in 1951 than in 1950, the number of infant deaths showed an increase of 3.4 per cent. The 1951 death rate was 30.8 per 1,000 live births. Table 17 shows the number of deaths and rate for each cause. More detailed data concerning infant deaths will be available in a special study now in preparation involving the matching of birth and death certificates. This study will include information dealing with cause of death in connection with such factors as birth weight, period of gestation, and age of mother.

The number of infant deaths assigned to each cause showed very little change from 1950 and 1949. The assigned cause resulting in the greatest number of deaths was immaturity, with 367, followed by congenital malformations, with 217, and postnatal asphyxia and atelectasis, with 209. Prior to 1950, the last cause was included with "other certain diseases of early infancy," as was hemolytic disease of the newborn (erythroblastosis). While the number of deaths assigned to erythroblastosis was comparatively small (34), it was included in Table 17 as a separate category because of the interest in recent years in prevention of deaths from this cause. Pneumonia (including pneumonia of the newborn) accounted for 126 infant deaths in 1951, compared to 149 in 1950, and 151 in 1949. Accidents showed a slight increase, from 53 deaths in 1949 and 49 in 1950 to 59 in 1951.

Table 17

Deaths Under One Year, by Cause, by Race,  
Number and Rate\*, Oklahoma, 1951

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Infant deaths, all causes . . . . .	1560	30.8	1225	27.3	243	64.0	92	47.7
Syphilis and its sequelae (020-029) . . . . .	5	0.1	3	0.1	-	-	2	1.0
Whooping cough (056) . . . . .	11	0.2	4	0.1	5	1.3	2	1.0
Other infective and parasitic diseases (001-019, 030-055, 057-138) . . . . .	34	0.7	19	0.4	7	1.8	8	4.2
Pneumonia (490-493, 763) . . . . .	126	2.5	70	1.6	40	10.5	16	8.3
Other diseases of the respiratory system (470-475, 480-483, 500-527) . . . . .	26	0.5	12	0.3	12	3.2	2	1.0
Gastro-enteritis and colitis (571, 572, 764) . . . . .	40	0.8	25	0.6	11	2.9	4	2.1
Other diseases of the digestive system (530-570, 573-587) . . . . .	23	0.5	15	0.3	5	1.3	3	1.6
Congenital malformations (750-759) . . . . .	217	4.3	193	4.3	15	3.9	9	4.7
Injury at birth (760-761) . . . . .	160	3.2	139	3.1	16	4.2	5	2.6
Postnatal asphyxia and atelectasis (762) . . . . .	209	4.1	174	3.9	29	7.6	6	3.1
Hemolytic disease of newborn (erythroblastosis) (770) . . . . .	34	0.7	32	0.7	2	0.5	-	-
Immaturity (774, 776) . . . . .	367	7.3	311	6.9	40	10.5	16	8.3
Other certain diseases of early infancy (765-769, 771-773) . . . . .	108	2.1	82	1.8	24	6.3	2	1.0
Accidents (E800-E962) . . . . .	59	1.2	45	1.0	12	3.2	2	1.0
Other defined causes . . . . .	86	1.7	66	1.5	12	3.2	8	4.2
Symptoms and ill-defined conditions (780-793, 795) . . . . .	55	1.1	35	0.8	13	3.4	7	3.6

\* Number per 1,000 live births.

Deaths of Infants Under  
One Month of Age

Of the 1,560 infants dying in 1951 at an age of less than one year, 1,120, or 71.8 per cent, failed to survive the first month. Data for these deaths by cause and race are included in Table 18.

More deaths in this age group were assigned to immaturity than to any other category, 356 such deaths having been reported. Next most important was atelectasis with 204, followed by injury at birth with 158, and congenital malformations with 144.

In the white race the leading causes of neonatal death were the same as for all the races together. In the Negro racial group, though, pneumonia caused 12 deaths, compared to 10 for congenital malformations. In the Indian group, the leading causes were the same as for the white race, although in a somewhat different order. The numbers in this group assigned to each cause were quite small. The total number of Indian neonatal deaths was 46. For the white racial group, the number was 931, and for the Negro group, 143.

Table 18

Deaths Under One Month by Cause, by Race, Number and Rate\*,  
Oklahoma, 1951

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Neonatal deaths, all causes . . . . .	1,120	22.1	931	20.8	143	37.6	46	23.9
Syphilis and its sequelae (020-029) . . . . .	5	0.1	3	0.1	-	-	2	1.0
Whooping cough (056) . . . . .	1	0.0	1	0.0	-	-	-	-
Other infective and parasitic diseases (001-019, 030-055, 057-138) . . . . .	7	0.1	4	0.1	1	0.3	2	1.0
Pneumonia (490-493, 763) . . . . .	33	0.7	18	0.4	12	3.2	3	1.6
Other diseases of the respiratory system (470-475, 480-483, 500-527) . . . . .	2	0.0	1	0.0	1	0.3	-	-
Gastro-enteritis and colitis (571, 572, 764) . . . . .	3	0.1	2	0.0	1	0.3	-	-
Other diseases of the digestive system (530-570, 573-587) . . . . .	7	0.1	6	0.1	-	-	1	0.5
Congenital malformations (750-759) . . . . .	144	2.8	127	2.8	10	2.6	7	3.6
Injury at birth (760-761) . . . . .	158	3.1	137	3.1	16	4.2	5	2.6
Postnatal asphyxia and atelectasis (762) . . . . .	204	4.0	170	3.8	28	7.4	6	3.1
Hemolytic disease of newborn (erythroblastosis) (770) . . . . .	33	0.7	32	0.7	1	0.3	-	-
Immaturity (774, 776) . . . . .	356	7.0	303	6.8	37	9.7	16	8.3
Other certain diseases of early infancy (765-769, 771-773) . . . . .	93	1.8	73	1.6	20	5.3	-	-
Accidents (E800-E962) . . . . .	14	0.3	12	0.3	2	0.5	-	-
Other defined causes . . . . .	33	0.7	27	0.6	5	1.3	1	0.5
Symptoms and ill-defined conditions (780-793, 795) . . . . .	27	0.5	15	0.3	9	2.4	3	1.6

\* Number per 1,000 live births.

All of the infant deaths attributed to syphilis occurred at less than one month of age. Other causes of infant death confined almost entirely to these younger ages were injury at birth, postnatal asphyxia and atelectasis, hemolytic disease of the newborn, and immaturity, as is apparent from a comparison of Tables 17 and 18.



About one-half of the neonatal deaths were in infants not yet one day old. The decline in the number of deaths per day was very sharp, and after the first week, only 13 per cent of the neonatal deaths occurred, as is apparent from the figures in Table 19.

Table 19

Deaths Under One Month, by Cause, by Age  
Oklahoma, 1951

Cause of Death	Age in Days									
	Under 1	1	2	3	4	5	6	7- 13	14- 20	21- 29
Neonatal deaths, all causes. . .	556	166	108	50	38	41	20	74	32	35
Syphilis and its sequelae. . .	4	-	-	1	-	-	-	-	-	-
Whooping cough . . . . .	1	-	-	-	-	-	-	-	-	-
Other infective and parasitic diseases . . . . .	1	-	-	-	-	-	1	2	2	1
Pneumonia. . . . .	2	3	5	2	6	1	2	3	5	4
Other diseases of the respira- tory system. . . . .	-	-	-	-	-	-	1	-	1	-
Gastro-enteritis and colitis .	1	-	-	-	-	-	-	-	2	-
Other diseases of the digestive system . . . . .	1	1	-	-	1	1	-	3	-	-
Congenital malformations . . .	55	16	12	7	9	7	1	17	7	13
Injury at birth. . . . .	89	26	14	11	4	5	1	8	-	-
Postnatal asphyxia and atelectasis. . . . .	107	43	24	8	7	4	2	6	1	2
Hemolytic disease of newborn (erythroblastosis) . . . . .	8	4	8	5	2	3	-	3	-	-
Immaturity . . . . .	224	53	24	11	3	8	7	17	6	3
Other certain diseases of early infancy. . . . .	46	12	9	2	5	5	2	7	2	3
Accidents. . . . .	2	1	1	1	-	2	-	-	3	4
Other defined causes . . . . .	9	5	6	2	1	2	1	3	1	3
Symptoms and ill-defined conditions . . . . .	6	2	5	-	-	3	2	5	2	2

Deaths of Infants One to  
Eleven Months of Age

Only 440 of the 1,560 infants dying in 1951 were from one to eleven months old (Table 20). The number of deaths per month showed a general decrease with increasing age.

The four leading causes of death were pneumonia, congenital malformations, accidents, and gastro-enteritis, in the order named. About 86 per cent of the deaths of infants from congenital malformations occurred in the first four months of life. All but one of the infant deaths due to whooping cough were in the 1-11 months age group. There were no deaths in this group due to syphilis.

Table 20

Deaths at One to Eleven Months of Age,  
by Cause, by Age, Oklahoma, 1951

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Infant deaths, all causes. . . .	440	76	64	60	33	49	34	31	49	44
Syphilis and its sequelae. . . .	-	-	-	-	-	-	-	-	-	-
Whooping cough . . . . .	10	2	2	-	1	1	-	2	-	2
Other infective and parasitic diseases . . . . .	27	4	1	4	2	5	1	-	4	6
Pneumonia. . . . .	93	14	12	12	9	7	10	10	11	8
Other diseases of the respira- tory system. . . . .	24	2	6	2	-	3	2	3	3	3
Gastro-enteritis and colitis . .	37	4	3	6	3	5	5	4	3	4
Other diseases of the digestive system . . . . .	16	3	1	4	1	3	2	-	-	2
Congenital malformations . . . .	73	16	14	13	5	7	2	2	6	8
Injury at birth. . . . .	2	-	1	-	-	1	-	-	-	-
Postnatal asphyxia and atelectasis. . . . .	5	3	1	1	-	-	-	-	-	-
Hemolytic disease of newborn (erythroblastosis) . . . . .	1	1	-	-	-	-	-	-	-	-
Immaturity . . . . .	11	5	-	2	1	1	1	-	1	-
Other certain diseases of early infancy. . . . .	15	6	6	-	-	-	-	1	2	-
Accidents. . . . .	45	8	5	6	4	6	3	4	5	4
Other defined causes . . . . .	53	5	7	8	2	8	4	4	10	5
Symptoms and ill-defined conditions . . . . .	28	3	5	2	5	2	4	1	4	2

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 IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1951

Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

	1930		1931		1932		1933		1934	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Estimated population, July 1	2,394,550		2,388,589		2,382,629		2,376,668		2,370,708	
Live Births*	42,505	17.8	43,269	18.1	41,039	17.2	43,697	18.4	47,302	20.0
Stillbirths †	1,283	30.2	1,057	24.4	1,056	25.7	1,126	25.8	1,301	27.5
Total deaths, all causes)	19,646	8.2	18,802	7.9	19,285	8.1	20,309	8.5	21,373	9.0
Deaths under 1 year †	2,581	60.7	2,228	51.5	2,052	50.0	2,466	56.4	2,864	60.5
Deaths under 1 month †	1,381	32.5	1,234	28.5	1,132	27.6	1,291	29.5	1,528	32.3
Typhoid, paratyphoid fevers (1,2)	256	10.7	258	10.8	228	9.6	245	10.3	210	8.9
Undulant fever (5)	-	-	2	0.1	1	0.0	2	0.1	2	0.1
Meningococcus meningitis (6)	57	2.4	41	1.7	29	1.2	53	2.2	29	1.2
Scarlet fever (8)	42	1.8	55	2.3	48	2.0	23	1.0	26	1.1
Whooping cough (9)	149	6.2	77	3.2	100	4.2	82	3.5	185	7.8
Diphtheria (10)	216	9.0	293	12.3	321	13.5	261	11.0	148	6.2
Tetanus (12)	38	1.6	24	1.0	30	1.3	22	0.9	38	1.6
Tuberculosis, all forms (13-22)	1,305	54.5	1,315	55.1	1,164	48.9	1,210	50.9	1,162	49.0
Respiratory system (13)	1,172	48.9	1,182	49.5	1,053	44.2	1,125	47.3	1,067	45.0
Tularemia (26a)	-	-	-	-	-	-	-	-	-	-
Dysentery (27)	132	5.5	87	3.6	56	2.4	141	5.9	132	5.6
Malaria (28)	143	6.0	103	4.3	109	4.6	134	5.6	139	5.9
Syphilis (30)	219	9.1	210	8.8	218	9.1	219	9.2	252	10.6
Influenza (33)	444	18.5	653	27.3	1,109	46.5	905	38.1	548	23.1
Smallpox (34)	18	0.8	12	0.5	1	0.0	1	0.0	-	-
Measles (35)	123	5.1	32	1.3	12	0.5	68	2.9	382	16.1
Acute poliomyelitis and acute poliomyelitis (36)	40	1.7	19	0.8	20	0.8	28	1.2	20	0.8
Acute infectious encephalitis (37)	9	0.4	8	0.3	15	0.6	16	0.7	7	0.3
Rocky Mountain spotted fever (39a)	-	-	-	-	-	-	-	-	-	-
Other infectious and parasitic diseases (3,4,7,11,23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44)	93	3.9	97	4.1	101	4.2	91	3.8	83	3.5
Cancer (45-55)	1,197	50.0	1,250	52.3	1,365	57.3	1,505	63.3	1,569	66.2
Other tumors (56-57)	84	3.5	78	3.3	93	3.9	110	4.6	96	4.0
Acute rheumatic fever (58)	48	2.0	36	1.5	54	2.3	41	1.7	38	1.6
Diabetes mellitus (61)	214	8.9	241	10.1	285	12.0	262	11.0	299	12.6
Pellagra (69)	300	12.5	240	10.0	149	6.3	109	4.6	104	4.4
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71)	87	3.6	83	3.5	72	3.0	83	3.5	71	3.0
Diseases of the blood and blood forming organs (72-76)	123	5.1	136	5.7	142	6.0	148	6.2	145	6.1
Chronic poisoning and intoxication (77-79)	48	2.0	67	2.8	53	2.2	35	1.5	62	2.6
Cerebral hemorrhage, embolism, thrombosis, softening (83)	1,401	58.5	1,429	59.8	1,562	65.6	1,650	69.4	1,674	70.6
Other diseases of nervous system and sense organs (80-82, 84-89)	384	16.0	340	14.2	334	14.0	352	14.8	393	16.6
Diseases of the heart (90-95)	2,234	93.3	2,370	99.2	2,507	105.2	2,821	118.7	2,791	117.7
Diseases of the arteries (96-99)	218	9.1	179	7.5	244	10.2	284	11.9	312	13.2
Other diseases of the circulatory system (100-103)	27	1.1	42	1.8	39	1.6	44	1.9	48	2.0
Pneumonia, all forms (107-109)	1,566	65.4	1,650	69.1	1,563	65.6	1,712	72.0	1,899	80.1
Other diseases of the respiratory system (104-106, 110-114)	225	9.4	220	9.2	186	7.8	226	9.5	240	10.1
Diarrhea & enteritis under 2 yrs. (119)	455	19.0	286	12.0	262	11.0	415	17.5	455	19.2
Diarrhea & enteritis over 2 yrs. (120)	190	7.9	118	4.9	120	5.0	127	5.3	137	5.8
Appendicitis (121)	370	15.5	376	15.7	396	16.6	403	17.0	428	18.1
Hernia, intestinal obstruction (122)	168	7.0	223	9.3	213	8.9	219	9.2	218	9.2
Cirrhosis of the liver (124)	103	4.3	97	4.1	92	3.9	107	4.5	106	4.5
Other diseases of the digestive system (115-118, 123, 125-129)	583	24.3	570	23.9	533	22.4	566	23.8	590	24.9
Nephritis (130-132)	1,211	50.6	1,095	45.8	1,165	48.9	1,104	46.5	1,224	51.6
Other diseases of the genitourinary system (133-139)	209	8.7	235	9.8	208	8.7	230	9.7	369	15.6
Diseases of pregnancy, childbirth, and the puerperium (140-150) †	292	6.9	269	6.2	296	7.2	284	6.5	282	6.0
Septicemia (140, 142a, 147) †	134	3.2	128	3.0	148	3.6	145	3.3	126	2.7
Congenital malformations, diseases peculiar to first year of life (157-161)	1,190	49.7	1,027	43.0	1,002	42.1	1,073	45.1	1,351	57.0
Senility (162)	570	23.8	442	18.5	465	19.5	442	18.6	449	18.9
Suicide (163-164)	232	9.7	265	11.1	276	11.6	241	10.1	224	9.4
Homicide (165-168)	264	11.0	268	11.2	261	11.0	308	13.0	300	12.7
Motor vehicle accidents (170)	512	21.4	442	18.5	464	19.5	512	21.5	614	25.9
Other accidents (169, 171-195)	1,166	48.7	913	38.2	942	39.5	925	38.9	1,005	42.4
Other defined causes (59, 151-156, 196-198)	72	3.0	87	3.6	88	3.7	99	4.2	91	3.8
Ill defined and unknown (199, 200)	619	25.9	442	18.5	292	12.3	371	15.6	426	18.0

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

\* Rates represent number per 1,000 estimated population.

† Rates represent number per 1,000 live births.

Sources: 1930 through 1936 - Vital Statistics of the United States, Bureau of the Census annual publications, by place of occurrence; 1937 through 1951 - Oklahoma State Department of Health records, by place of residence.

TABLE A. BIRTHS, DEATHS AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1951 - Continued

Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

	1935		1936		1937		1938		1939	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Estimated population, July 1	2,364,747		2,358,786		2,352,826		2,346,865		2,340,905	
Live Births*	43,691	18.5	41,815	17.7	41,223	17.5	44,190	18.8	42,760	18.3
Stillbirths †	1,269	29.0	1,182	28.3	1,170	28.4	1,215	27.5	1,277	29.9
Total deaths, all causes*	21,091	8.9	23,250	9.9	21,399	9.1	20,422	8.7	20,657	8.8
Deaths under 1 year †	2,384	54.6	2,509	60.0	2,354	57.1	2,202	49.8	2,187	51.1
Deaths under 1 month †	1,277	29.2	1,368	32.7	1,329	32.2	1,285	29.1	1,377	32.2
Typhoid, paratyphoid fevers (1,2)	187	7.9	131	5.6	129	5.5	100	4.3	93	4.0
Undulant fever (5)	1	0.0	1	0.0	3	0.1	5	0.2	7	0.3
Meningococcus meningitis (6)	67	2.8	94	4.0	52	2.2	15	0.6	12	0.5
Scarlet fever (8)	22	0.9	44	1.9	33	1.4	19	0.8	16	0.7
Whooping cough (9)	155	6.6	41	1.7	84	3.6	189	8.1	23	1.0
Diphtheria (10)	143	6.0	89	3.8	85	3.6	119	5.1	76	3.2
Tetanus (12)	25	1.1	28	1.2	13	0.6	4	0.2	6	0.3
Tuberculosis, all forms (13-22)	1,156	48.9	1,293	54.8	1,241	52.7	1,125	47.9	1,073	45.8
Respiratory system (13)	1,053	44.5	1,195	50.7	1,145	48.7	1,038	44.2	-	-
Tularemia (26a)	-	-	-	-	-	-	-	-	-	-
Dysentery (27)	92	3.9	148	6.3	65	2.8	27	1.2	94	4.0
Malaria (28)	139	5.9	94	4.0	87	3.7	84	3.6	48	2.1
Syphilis (30)	297	10.9	286	12.1	260	11.1	297	12.7	270	11.5
Influenza (33)	774	32.7	1,165	49.4	985	41.9	434	18.5	512	21.9
Smallpox (34)	-	-	-	-	1	0.0	7	0.3	1	0.0
Measles (35)	44	1.9	14	0.6	19	0.8	59	2.5	76	3.2
Acute poliomyelitis and acute poliomyelitis (36)	10	0.4	36	1.5	75	3.2	18	0.8	11	0.5
Acute infectious encephalitis (37)	8	0.3	18	0.8	4	0.2	8	0.3	14	0.6
Rocky Mountain spotted fever (39a)	-	-	-	-	-	-	-	-	-	-
Other infectious and parasitic diseases (3,4,7,11,23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44)	106	4.5	99	4.2	93	4.0	92	3.9	104	4.4
Cancer (45-55)	1,517	64.2	1,709	72.5	1,846	78.5	1,816	77.4	1,863	79.6
Other tumors (56-57)	106	4.5	99	4.2	78	3.3	88	3.7	132	5.6
Acute rheumatic fever (58)	24	1.0	24	1.0	7	0.3	10	0.4	19	0.8
Diabetes mellitus (61)	308	13.0	368	15.6	320	13.6	337	14.4	337	14.4
Pellagra (69)	128	5.4	175	7.4	106	4.5	110	4.7	95	4.1
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71)	98	4.1	116	4.9	55	2.3	59	2.5	72	3.1
Diseases of the blood and blood forming organs (72-76)	134	5.7	147	6.2	149	6.3	164	7.0	158	6.7
Chronic poisoning and intoxication (77-79)	48	2.0	52	2.2	54	2.3	32	1.4	37	1.6
Cerebral hemorrhage, embolism, thrombosis, softening (83)	1,708	72.2	1,782	75.5	1,656	70.4	1,722	73.4	1,968	84.1
Other diseases of nervous system and sense organs (80-82, 84-89)	415	17.5	369	15.6	335	14.2	302	12.9	292	12.5
Diseases of the heart (90-95)	3,121	132.0	3,462	146.8	3,313	140.8	3,425	145.9	3,529	150.8
Diseases of the arteries (96-99)	261	11.0	339	14.4	302	12.8	317	13.5	396	16.9
Other diseases of the circulatory system (100-103)	50	2.1	52	2.2	34	1.4	30	1.3	50	2.1
Pneumonia, all forms (107-109)	1,991	84.2	2,313	98.0	1					



TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1951 - Continued

Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

Estimated population, July 1	1940		1941		1942		1943		1944	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
44,258	19.1	45,313	19.5	45,277	19.6	47,800	20.8	46,885	20.5	
Physician in hospital . . . . .	17,740	...	20,999	...	24,812	...	29,180	...	31,580	...
Physician in home . . . . .	25,216	...	22,677	...	18,985	...	17,064	...	13,510	...
Midwife, other, or unknown . . . . .	1,302	...	1,637	...	1,480	...	1,556	...	1,795	...
Stillbirths f . . . . .	1,298	29.3	1,252	27.6	911	20.1	928	19.4	964	20.6
Physician in hospital . . . . .	583	...	553	...	511	...	575	...	631	...
Physician in home . . . . .	661	...	648	...	383	...	311	...	313	...
Midwife, other or unknown . . . . .	54	...	51	...	17	...	42	...	20	...
Total deaths, all causes* . . . . .	20,618	8.9	20,097	8.6	18,985	8.2	19,765	8.6	18,438	8.0
Deaths under 1 year f . . . . .	2,236	50.4	2,181	48.1	1,901	42.0	2,071	43.3	1,874	40.0
Deaths under 1 month f . . . . .	1,319	29.8	1,377	30.4	1,156	25.5	1,273	26.6	1,131	24.1
Typhoid, paratyphoid fevers (1,2) . . . . .	56	2.4	35	1.5	38	1.6	23	1.0	9	0.4
Undulant fever (5) . . . . .	-	-	1	0.0	5	0.2	5	0.2	2	0.1
Meningococcus meningitis (6) . . . . .	12	0.5	9	0.4	10	0.4	30	1.6	16	0.7
Scarlet fever (8) . . . . .	7	0.3	5	0.2	3	0.1	5	0.2	4	0.2
Whooping cough (9) . . . . .	57	2.5	122	5.3	48	2.1	86	3.7	41	1.8
Diphtheria (10) . . . . .	73	3.2	67	2.9	54	2.3	25	1.1	33	1.4
Tetanus (12) . . . . .	26	1.1	12	0.5	9	0.4	17	0.7	10	0.4
Tuberculosis, all forms (13-22) . . . . .	1,125	48.6	1,063	45.7	973	42.1	929	40.3	892	38.9
Respiratory system (13) . . . . .	1,031	44.5	972	41.8	907	39.2	856	37.2	828	36.1
Tularemia (26a) . . . . .	5	0.2	3	0.1	4	0.2	2	0.1	1	0.0
Dysentery (27) . . . . .	73	3.2	58	2.5	81	3.5	54	2.3	59	2.6
Malaria (28) . . . . .	22	0.9	53	2.3	21	0.9	30	1.3	20	0.9
Syphilis (30) . . . . .	265	11.4	225	9.7	172	7.4	211	9.2	182	7.9
Influenza (33) . . . . .	589	25.4	541	23.3	237	10.2	296	12.9	353	15.4
Smallpox (34) . . . . .	-	-	-	-	-	-	-	-	-	-
Measles (35) . . . . .	3	0.1	20	0.9	89	3.8	4	0.2	34	1.5
Acute poliomyelitis and acute poliomyelitis (36) . . . . .	20	0.9	15	0.6	15	0.6	33	1.4	6	0.3
Acute infectious encephalitis (37) . . . . .	12	0.5	11	0.5	8	0.3	8	0.3	7	0.3
Rocky Mountain spotted fever (39c) . . . . .	2	0.1	3	0.1	2	0.1	2	0.1	2	0.1
Other infectious and parasitic diseases (3,4,7,11,23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44) . . . . .	92	4.0	84	3.6	64	2.8	77	3.3	57	2.5
Cancer (45-55) . . . . .	1,962	84.7	1,960	84.4	1,967	85.0	1,958	85.0	2,054	89.6
Other tumors (56-57) . . . . .	97	4.2	120	5.2	117	5.1	108	4.7	124	5.4
Acute rheumatic fever (58) . . . . .	39	1.7	26	1.1	22	1.0	25	1.1	23	1.0
Diabetes mellitus (61) . . . . .	331	14.3	342	14.7	334	14.4	382	16.6	327	14.3
Pellagra (69) . . . . .	52	2.2	58	2.5	59	2.6	48	2.1	49	2.1
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71) . . . . .	70	3.0	61	2.6	74	3.2	77	3.3	80	3.5
Diseases of the blood and blood forming organs (72-76) . . . . .	122	5.3	150	6.5	141	6.1	165	7.2	134	5.8
Chronic poisoning and intoxication (77-79) . . . . .	40	1.7	38	1.6	24	1.0	24	1.0	31	1.4
Cerebral hemorrhage, embolism, thrombosis, softening (83) . . . . .	1,892	81.7	1,814	78.1	1,922	83.1	2,041	88.6	1,856	81.0
Other diseases of nervous system and sense organs (80-82, 84-89) . . . . .	375	16.2	290	12.5	276	11.9	258	11.2	264	11.5
Diseases of the heart (90-95) . . . . .	3,860	166.6	4,235	182.3	4,137	178.8	4,372	189.8	4,255	185.6
Diseases of the arteries (96-99) . . . . .	311	13.4	277	11.9	306	13.2	357	15.5	319	13.9
Other diseases of the circulatory system (100-103) . . . . .	56	2.4	37	1.6	38	1.6	63	2.7	62	2.7
Pneumonia, all forms (107-109) . . . . .	1,358	58.6	1,134	48.8	980	42.4	999	43.4	921	40.2
Other diseases of the respiratory system (104-106, 110-114) . . . . .	209	9.0	199	8.6	212	9.2	226	9.8	247	10.8
Diarrhea & enteritis under 2 yrs. (119) . . . . .	231	10.0	109	4.7	127	5.5	143	6.2	161	7.0
Diarrhea & enteritis over 2 yrs. (120) . . . . .	112	4.8	66	2.8	52	2.2	77	3.3	64	2.8
Appendicitis (121) . . . . .	302	13.0	257	11.1	182	7.9	164	7.1	156	6.8
Hernia, intestinal obstruction (122) . . . . .	223	9.6	186	8.0	173	7.5	178	7.7	180	7.9
Cirrhosis of the liver (124) . . . . .	119	5.1	96	4.1	103	4.5	115	5.0	85	3.7
Other diseases of the digestive system (115-118, 123, 125-129) . . . . .	446	19.3	410	17.6	425	18.4	408	17.7	444	19.4
Nephritis (130-132) . . . . .	1,467	63.3	1,316	56.6	1,161	50.2	1,258	54.6	1,148	50.1
Other diseases of the genito-urinary system (133-139) . . . . .	265	11.4	259	11.1	245	10.6	229	9.9	246	10.7
Diseases of pregnancy, childbirth, and the puerperium (140-150) f . . . . .	162	3.7	134	3.0	145	3.2	109	2.3	112	2.4
Septicemia (140, 142a, 145a**, 147) f . . . . .	56	1.3	26	0.6	25	0.6	15	0.3	35	0.7
Congenital malformations, diseases peculiar to first year of life (157-161) . . . . .	1,277	55.1	1,360	58.5	1,093	47.2	1,250	54.3	1,155	50.4
Senility (162) . . . . .	488	21.1	450	19.4	556	24.0	612	26.6	495	21.6
Suicide (163-164) . . . . .	197	8.5	207	8.9	168	7.3	151	6.6	149	6.5
Homicide (165-168) . . . . .	147	6.3	135	5.8	127	5.5	99	4.3	91	4.0
Motor vehicle accidents (170) . . . . .	474	20.5	511	22.0	343	14.8	294	12.8	330	14.4
Other accidents (169, 171-195) . . . . .	869	37.6	942	40.5	1,110	48.0	1,117	48.5	1,040	45.4
Other defined causes (59, 151-156, 196-198) . . . . .	50	2.1	69	3.0	69	3.0	84	3.6	81	3.5
Ill defined and unknown (199, 200) . . . . .	576	24.9	522	22.5	464	20.1	537	23.3	27	1.2

\*\* 145a not included until 1945

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1951 - Continued

Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

Estimated population, July 1	1945		1946		1947		1948		1949	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
43,405	19.0	50,043	22.0	52,691	23.3	50,428	22.4	49,971	22.3	
Physician in hospital . . . . .	31,194	...	38,786	...	41,424	...	40,545	...	41,078	...
Physician in home . . . . .	10,729	...	9,752	...	9,832	...	8,426	...	7,507	...
Midwife, other, or unknown . . . . .	1,482	...	1,505	...	1,435	...	1,457	...	1,386	...
Stillbirths f . . . . .	1,097	25.3	1,093	21.8	1,043	19.8	914	18.1	860	17.2
Physician in hospital . . . . .	730	...	789	...	756	...	702	...	655	...
Physician in home . . . . .	339	...	273	...	254	...	179	...	167	...
Midwife, other or unknown . . . . .	28	...	31	...	33	...	33	...	38	...
Total deaths, all causes* . . . . .	18,731	8.2	18,420	8.1	19,101	8.4	19,074	8.5	19,346	8.6
Deaths under 1 year f . . . . .	1,727	39.8	1,641	32.8	1,716	32.6	1,721	34.1	1,529	30.6
Deaths under 1 month f . . . . .	1,100	25.3	1,135	22.7	1,190	22.6	1,184	23.5	1,090	21.8
Typhoid, paratyphoid fevers (1,2) . . . . .	12	0.5	7	0.3	9	0.4	6	0.3	4	0.2
Undulant fever (5) . . . . .	1	0.0	-	-	1	0.0	1	0.0	2	0.1
Meningococcus meningitis (6) . . . . .	25	1.1	14	0.6	10	0.4	10	0.4	10	0.4
Scarlet fever (8) . . . . .	7	0.3	6	0.3	-	-	-	-	1	0.0
Whooping cough (9) . . . . .	47	2.1	25	1.1	41	1.8	46	2.0	8	0.4
Diphtheria (10) . . . . .	51	2.2	26	1.1	15	0.7	16	0.7	7	0.3
Tetanus (12) . . . . .	9	0.4	7	0.3	8	0.4	7	0.3	7	0.3
Tuberculosis, all forms (13-22) . . . . .	823	36.1	704	31.0	707	31.3	622	27.6	549	24.5
Respiratory system (13) . . . . .	770	33.7	653	28.7	664	29.4	581	25.8	509	22.7
Tularemia (26a) . . . . .	4	0.2	2	0.1	1	0.0	3	0.1	1	0.0
Dysentery (27) . . . . .	53	2.3	9	0.4	18	0.8	28	1.2	28	1.2
Malaria (28) . . . . .	19	0.8	11	0.5	1	0.0	6	0.3	4	0.2
Syphilis (30) . . . . .	173	7.6	192	8.5	176	7.8	162	7.2	142	6.3
Influenza (33) . . . . .	225	9.9	190	8.4	202	8.9	119	5.3	76	3.4
Smallpox (34) . . . . .	-	-	-	-	-	-	-	-	-	-
Measles (35) . . . . .	4	0.2	31	1.4	-	-	7	0.3	31	1.4
Acute poliomyelitis and acute poliomyelitis (36) . . . . .	13	0.6	34	1.5	2	0.1	35	1.6	109	4.9
Acute infectious encephalitis (37) . . . . .	4	0.2	10	0.4	7	0.3	6	0.3	6	0.3
Rocky Mountain spotted fever (39c) . . . . .	9	0.4	5	0.2	2	0.1	1	0.0	2	0.1
Other infectious and parasitic diseases (3,4,7,11,23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44) . . . . .	60	2.6	68	3.0	62	2.7	52	2.3	52	2.3
Cancer (45-55) . . . . .	2,212	96.9	2,224	97.9	2,354	104.1	2,490	110.6	2,519	112.4
Other tumors (56-57) . . . . .	122	5.3	94	4.1	89	3.9	116	5.2	101	4.5
Acute rheumatic fever (58) . . . . .	17	0.7	15	0.7	8	0.4	9	0.4	15	0.7
Diabetes mellitus (61) . . . . .	356	15.6	344	15.1	353	15.6	393	17.5		

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1951

Figures in Parentheses Refer to Sixth Revision of International List of Causes of Death

Cause of Death	1949		1950		1951	
	2,241,085		2,233,351**		2,234,730	
	Number	Rate	Number	Rate	Number	Rate
Estimated population, July 1						
Live births*	49,971	22.3	50,472	22.6	50,597	22.6
Physician in hospital	41,078	...	42,543	...	43,971	...
Physician in home	7,507	...	6,567	...	5,466	...
Midwife, other, or unknown	1,386	...	1,362	...	1,650	...
Stillbirths †	860	17.2	825	16.3	764	15.1
Physician in hospital	655	...	669	...	662	...
Physician in home	167	...	124	...	82	...
Midwife, other, or unknown	38	...	32	...	20	...
Total deaths, all causes*	19,346	8.6	19,431	8.7	20,082	9.0
Deaths under 1 year †	1,529	30.6	1,509	29.9	1,560	30.8
Deaths under 1 month †	1,090	21.8	1,067	21.1	1,120	22.1
Tuberculosis of respiratory system (001-008)	490	21.9	467	20.9	388	17.4
Tuberculosis, other forms (010-019)	38	1.7	33	1.5	34	1.5
Syphilis and its sequelae (020-029)	121	5.4	108	4.8	100	4.5
Typhoid fever (040)	3	0.1	1	0.0	2	0.1
Dysentery, all forms (045-048)	28	1.2	15	0.7	16	0.7
Scarlet fever and streptococcal sore throat (050, 051)	15	0.7	6	0.3	10	0.4
Diphtheria (055)	7	0.3	9	0.4	6	0.3
Whooping cough (056)	7	0.3	20	0.9	18	0.8
Meningococcal infections (057)	10	0.4	12	0.5	17	0.8
Acute poliomyelitis (080)	109	4.9	38	1.7	38	1.7
Smallpox (084)	-	-	-	-	-	-
Measles (085)	30	1.3	1	0.0	25	1.1
Typhus and other rickettsial diseases (100-108)	1	0.0	1	0.0	-	-
Malaria (110-117)	4	0.2	2	0.1	4	0.2
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	64	2.9	70	3.1	71	3.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	2,558	114.1	2,682	120.1	2,843	127.2
Benign and unspecified neoplasms (210-239)	104	4.6	85	3.8	80	3.6
Diabetes mellitus (260)	298	13.3	308	13.8	312	14.0
Anemias (290-293)	60	2.7	62	2.8	73	3.3
Vascular lesions affecting central nervous system (330-334)	2,197	98.0	2,246	100.6	2,536	113.5
Nonmeningococcal meningitis (340)	34	1.5	28	1.3	27	1.2
Rheumatic fever (400-402)	22	1.0	19	0.9	18	0.8
Chronic rheumatic heart disease (410-416)	227	10.1	216	9.7	225	10.1
Arteriosclerotic and degenerative heart disease (420-422)	4,146	185.0	4,262	190.8	4,541	203.2
Other diseases of heart (430-434)	513	22.9	648	29.0	592	26.5
Hypertension with heart disease (440-443)	970	43.3	930	41.6	921	41.2
Hypertension without mention of heart (444-447)	222	9.9	221	9.9	198	8.9
Influenza (480-483)	92	4.1	214	9.6	117	5.2
Pneumonia (490-493)	560	25.0	600	26.9	518	23.2
Bronchitis (500-502)	32	1.4	38	1.7	30	1.3
Ulcer of stomach and duodenum (540, 541)	90	4.0	112	5.0	95	4.3
Appendicitis (550-553)	79	3.5	46	2.1	52	2.3
Intestinal obstruction and hernia (560, 561, 570)	167	7.5	147	6.6	150	6.7
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	121	5.4	95	4.3	87	3.9
Cirrhosis of liver (581)	115	5.1	139	6.2	149	6.7
Nephritis and nephrosis (590-594)	494	22.0	445	19.9	445	19.9
Hyperplasia of prostate (610)	120	5.4	139	6.2	134	6.0
Complications of pregnancy, childbirth and the puerperium (640-689) †	69	1.4	43	0.9	55	1.1
Congenital malformations (750-759)	243	10.8	244	10.9	274	12.3
Birth injuries, postnatal asphyxia and atelectasis (760-762)	338	15.1	342	15.3	370	16.6
Infections of the newborn (763-768)	47	2.1	54	2.4	24	1.1
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	511	22.8	515	23.1	505	22.6
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	597	26.6	527	23.7	553	24.7
All other diseases (Residual)	1,610	71.8	1,585	71.0	1,630	72.9
Motor vehicle accidents (E810-E835)	550	24.5	522	23.4	577	25.8
All other accidents (E800-E802, E840-E962)	926	41.3	828	37.1	923	41.3
Suicide and self-inflicted injury (E963, E970-E979)	180	8.0	193	8.6	184	8.2
Homicide and operations of war (E964, E965, E980-E999)	127	5.7	113	5.1	115	5.1

\*\* Census enumeration, April 1, 1950.

TABLE B. HISTORICAL SUMMARY OF CERTAIN CAUSES OF DEATH, ADJUSTED BY 1949 COMPARABILITY RATIO\*, NUMBER AND RATE, OKLAHOMA, 1940-1949

Cause of Death	International List Numbers		Comparability Ratio*	Adjusted Deaths									
	5th Revision	6th Revision		1940		1941		1942		1943		1944	
				Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Tuberculosis, all forms . . . . .	(13-22)	(001-019)	0.9617	1,082	46.4	1,023	44.0	936	40.5	894	38.8	858	37.4
Tuberculosis, respiratory system	(13)	(001-008)	0.9627	993	42.5	936	40.3	873	37.7	824	35.8	797	34.8
Syphilis . . . . .	(30)	(020-029)	0.8521	225	9.6	191	8.2	146	6.3	179	7.8	155	6.8
Influenza . . . . .	(33)	(480-483)	1.2105	713	30.6	655	28.2	287	12.4	358	15.5	427	18.6
Cancer . . . . .	(45-55)	(140-205)	1.0155†	1,992	85.4	1,953	84.1	1,997	86.3	1,988	86.3	2,086	91.0
Acute rheumatic fever . . . . .	(58)	(400-402)	1.4667	57	2.4	38	1.6	32	1.4	37	1.6	34	1.5
Diabetes mellitus . . . . .	(61)	(260)	0.6727	223	9.6	230	9.9	225	9.7	257	11.2	220	9.6
Cerebral hemorrhage, embolism, thrombosis, softening, etc. . .	(83)	(330-334)	1.0462	1,979	84.8	1,897	81.6	2,010	86.9	2,135	92.7	1,941	84.7
Diseases of the heart . . . . .	(90-95)	(410-443)	1.0852	4,188	179.4	4,596	197.8	4,489	194.1	4,744	206.0	4,618	201.4
Pneumonia, all forms . . . . .	(107-109)	(490-493)	0.8682	1,179	50.5	984	42.3	851	36.8	867	37.6	799	34.9
Appendicitis . . . . .	(121)	(550-553)	0.9294	281	12.0	239	10.3	169	7.3	152	6.6	145	6.3
Cirrhosis of the liver . . . . .	(124)	(581)	0.8099	96	4.1	78	3.4	83	3.6	93	4.0	69	3.0
Nephritis . . . . .	(130-132)	(590-594)	0.4630	679	29.1	609	26.2	538	23.3	582	25.3	532	23.2
Congenital malformations, diseases peculiar to first year of life	(157-161)	(750-776)	1.0261	1,310	56.1	1,395	60.0	1,121	48.5	1,283	55.7	1,185	51.7
Accidents . . . . .	(169-195)	(E800-E962)	0.9480	1,274	54.6	1,377	59.3	1,377	59.5	1,338	58.1	1,299	56.7
Cause of Death	International List Numbers		Comparability Ratio*	Adjusted Deaths									
	5th Revision	6th Revision		1945		1946		1947		1948		1949	
				Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Tuberculosis, all forms . . . . .	(13-22)	(001-019)	0.9617	792	34.7	677	29.8	680	30.1	598	26.6	528	23.6
Tuberculosis, respiratory system	(13)	(001-008)	0.9627	741	32.5	629	27.7	639	28.3	559	24.8	490	21.9
Syphilis . . . . .	(30)	(020-029)	0.8521	147	6.4	163	7.2	150	6.6	138	6.1	121	5.4
Influenza . . . . .	(33)	(480-483)	1.2105	272	11.9	230	10.1	244	10.8	144	6.4	92	4.1
Cancer . . . . .	(45-55)	(140-205)	1.0155†	2,246	98.4	2,258	99.4	2,390	105.7	2,529	112.3	2,558	114.1
Acute rheumatic fever . . . . .	(58)	(400-402)	1.4667	25	1.1	22	1.0	12	0.5	13	0.6	22	1.0
Diabetes mellitus . . . . .	(61)	(260)	0.6727	239	10.5	231	10.2	237	10.5	264	11.7	298	13.3
Cerebral hemorrhage, embolism, thrombosis, softening, etc. . .	(83)	(330-334)	1.0462	1,999	87.6	2,083	91.7	2,111	93.3	2,107	93.6	2,197	98.0
Diseases of the heart . . . . .	(90-95)	(410-443)	1.0852	4,652	203.8	4,906	215.9	5,383	238.0	5,631	250.1	5,856	261.3
Pneumonia, all forms . . . . .	(107-109)	(490-493)	0.8682	752	32.9	667	29.4	684	30.2	629	27.9	560	25.0
Appendicitis . . . . .	(121)	(550-553)	0.9294	125	5.5	87	3.8	83	3.7	79	3.5	79	3.5
Cirrhosis of the liver . . . . .	(124)	(581)	0.8099	82	3.6	107	4.7	92	4.1	125	5.6	115	5.1
Nephritis . . . . .	(130-132)	(590-594)	0.4630	516	22.6	472	20.8	468	20.7	479	21.3	494	22.0
Congenital malformations, diseases peculiar to first year of life	(157-161)	(750-776)	1.0261	1,082	47.4	1,191	52.4	1,196	52.9	1,227	54.5	1,139	50.8
Accidents . . . . .	(169-195)	(E800-E962)	0.9480	1,461	64.0	1,419	62.5	1,508	66.7	1,403	62.3	1,476	65.9

\* Ratio of 1949 deaths classified by sixth revision to 1949 deaths classified by fifth revision of International List.

† Ratio of 1949 deaths classified by sixth revision (including leukemia) to 1949 deaths classified by fifth revision (excluding leukemia).



TABLE C. RECORDED BIRTHS, STILLBIRTHS, DEATHS, INFANT AND NEONATAL DEATHS, NUMBER AND RATE, BY COUNTY, OKLAHOMA, 1951

COUNTY	BIRTHS		STILLBIRTHS		DEATHS		NEONATAL DEATHS		INFANT DEATHS	
	Number	Rate**	Number	Rate/	Number	Rate**	Number	Rate/	Number	Rate/
ENTIRE STATE	50,308	22.5	763	15.2	19,608	8.8	1,094	21.7	1,525	30.3
Adair	131	8.8	2	15.3	89	6.0	3	22.9	4	30.5
Alfalfa	114	11.1	1	8.8	87	8.5	2	17.5	2	17.5
Atoka	235	16.5	4	17.0	96	6.7	2	8.5	5	21.3
Beaver	125	17.2	-	-	55	7.6	2	16.0	2	16.0
Beckham	670	31.1	8	11.9	187	8.7	14	20.9	20	29.9
Blaine	283	19.4	4	14.1	112	7.7	9	31.8	12	42.4
Bryan	522	18.0	7	13.4	234	8.1	11	21.1	13	24.9
Caddo	630	18.5	11	17.5	234	6.9	9	14.3	14	22.2
Canadian	299	11.8	7	23.4	168	6.6	4	13.4	5	16.7
Carter	734	20.1	12	16.3	317	8.7	16	21.8	21	28.6
Cherokee	688	36.2	9	13.1	141	7.4	11	16.0	16	23.3
Choctaw	462	22.6	10	21.6	203	9.9	10	21.6	14	30.3
Cimarron	60	12.7	2	33.3	14	3.0	-	-	-	-
Cleveland	661	15.3	9	13.6	439	10.2	11	16.6	12	18.2
Coal	95	11.8	3	31.6	54	6.7	1	10.5	2	21.1
Comanche	2,126	37.2	42	19.8	377	6.6	54	25.4	70	32.9
Cotton	122	12.4	1	8.2	42	4.3	1	8.2	1	8.2
Craig	334	18.3	4	12.0	313	17.1	7	21.0	8	24.0
Creek	637	15.3	5	7.8	323	7.8	9	14.1	16	25.1
Custer	702	33.7	15	21.4	401	19.2	19	27.1	27	38.5
Delaware	90	6.1	1	11.1	96	6.5	3	33.3	5	55.6
Dewey	34	4.1	-	-	48	5.7	1	29.4	1	29.4
Ellis	179	24.9	5	27.9	81	11.3	4	22.3	5	27.9
Garfield	1,816	33.8	26	14.3	553	10.3	30	16.5	43	23.7
Garvin	708	24.2	8	11.3	260	8.9	11	15.5	13	18.4
Grady	656	19.2	7	10.7	299	8.8	9	13.7	16	24.4
Grant	1	0.1	-	-	49	4.8	-	-	-	-
Greer	221	19.4	3	13.6	106	9.3	2	9.0	3	13.6
Harmon	96	12.3	2	20.8	42	5.4	4	41.7	4	41.7
Harper	22	3.7	-	-	40	6.8	1	45.5	2	90.9
Haskell	199	14.9	-	-	76	5.7	2	10.1	3	15.1
Hughes	458	23.4	7	15.3	188	9.6	6	13.1	8	17.5
Jackson	522	26.4	6	11.5	158	8.0	5	9.6	12	23.0
Jefferson	162	15.2	3	18.5	68	6.4	1	6.2	2	12.3
Johnston	83	7.8	-	-	57	5.4	-	-	2	24.1
Kay	1,243	25.3	13	10.5	441	9.0	31	24.9	37	29.8
Kingfisher	238	19.0	1	4.2	110	8.8	1	4.2	4	16.8
Kiowa	366	19.8	2	5.5	142	7.7	10	27.3	13	35.5
Latimer	330	34.1	7	21.2	129	13.3	4	12.1	6	18.2
LeFlore	577	16.4	7	12.1	234	6.6	12	20.8	17	29.5
Lincoln	317	15.0	6	18.9	198	9.4	8	25.2	10	31.5
Logan	419	19.2	7	16.7	251	11.5	13	31.0	20	47.7
Love	62	8.0	-	-	47	6.1	1	16.1	1	16.1
McClain	266	18.8	1	3.8	79	5.6	-	-	1	3.8
McCurtain	386	12.2	10	25.9	202	6.4	7	18.1	15	38.9
McIntosh	346	20.3	7	20.2	123	7.2	12	34.7	18	52.0
Major	98	9.7	2	20.4	67	6.7	1	10.2	3	30.6
Marshall	150	18.3	3	20.0	58	7.1	-	-	1	6.7
Mayes	325	16.5	2	6.2	140	7.1	1	3.1	5	15.4
Murray	215	20.0	7	32.6	146	13.5	2	9.3	3	14.0
Muskogee	1,335	20.4	22	16.5	889	13.6	46	34.5	70	52.4
Noble	122	10.3	1	8.2	85	7.2	1	8.2	2	16.4
Nowata	216	17.0	-	-	112	8.8	4	18.5	7	32.4
Oklfuskee	296	18.8	4	13.5	154	9.8	8	27.0	13	43.9
Oklahoma	9,789	29.2	167	17.1	3,226	9.6	250	25.5	345	35.2
Oklmulgee	992	22.6	14	14.1	392	8.9	31	31.2	44	44.4
Osage	514	16.1	8	15.6	242	7.6	13	25.3	15	29.2
Ottawa	676	21.3	11	16.3	301	9.5	9	13.3	11	16.3
Pawnee	250	19.0	9	36.0	136	10.3	10	40.0	14	56.0
Payne	1,213	25.4	14	11.5	306	6.4	18	14.8	24	19.8
Pittsburg	915	22.9	14	15.3	354	8.8	19	20.8	27	29.5
Pontotoc	760	24.6	19	25.0	286	9.3	18	23.7	26	34.2
Pottawatomie	910	21.6	11	12.1	420	10.0	14	15.4	16	17.6
Pushmataha	119	9.9	2	16.8	72	6.0	1	8.4	3	25.2
Roger Mills	51	7.3	-	-	40	5.7	2	39.2	2	39.2
Rogers	568	29.1	12	21.1	198	10.1	11	19.4	18	31.7
Seminole	579	15.2	8	13.8	241	6.3	15	25.9	24	41.5
Sequoyah	287	14.5	5	17.4	137	6.9	11	38.3	14	48.8
Stephens	939	27.3	12	12.8	285	8.3	26	27.7	27	28.8
Texas	343	23.2	3	8.7	71	4.8	5	14.6	7	20.4
Tillman	307	17.8	7	22.8	158	9.2	7	22.8	16	52.1
Tulsa	6,951	26.8	98	14.1	2,255	8.7	165	23.7	218	31.4
Wagoner	324	20.1	3	9.3	108	6.7	6	18.5	8	24.7
Washington	728	21.9	6	8.2	257	7.7	15	20.6	18	24.7
Washita	234	13.7	7	29.9	87	5.1	2	8.5	5	21.4
Woods	316	21.8	3	9.5	181	12.5	3	9.5	5	15.8
Woodward	359	25.0	4	11.1	241	16.8	7	19.5	9	25.1

\*\* 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, 1951

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Estimated population, July 1, 1951	2,234,730		2,035,458		145,503		53,769	
Total deaths, all causes*	20,082	9.0	17,675	8.7	1,807	12.4	600	11.2
Tuberculosis of respiratory system (001-008)	388	17.4	281	13.8	51	35.1	56	104.1
Tuberculosis of meninges and central nervous system (010)	15	0.7	9	0.4	3	2.1	3	5.6
Tuberculosis of intestines, peritoneum and mesenteric glands (011)	3	0.1	2	0.1	-	-	1	1.9
Tuberculosis of bones and joints (012, 013)	2	0.1	2	0.1	-	-	-	-
Tuberculosis, all other forms (014-019)	14	0.6	8	0.4	2	1.4	4	7.4
Congenital syphilis (020)	5	0.2	3	0.1	-	-	2	3.7
Early syphilis (021)	-	-	-	-	-	-	-	-
Tabes dorsalis (024)	6	0.3	5	0.2	-	-	1	1.9
General paralysis of insane (025)	27	1.2	20	1.0	7	4.8	-	-
All other syphilis (022, 023, 026-029)	62	2.8	51	2.5	8	5.5	3	5.6
Gonococcal infection (030-035)	2	0.1	-	-	2	1.4	-	-
Typhoid fever (040)	2	0.1	2	0.1	-	-	-	-
Paratyphoid fever and other Salmonella infections (041, 042)	3	0.1	2	0.1	-	-	1	1.9
Cholera (043)	-	-	-	-	-	-	-	-
Brucellosis (undulant fever) (044)	1	0.0	1	0.0	-	-	-	-
Dysentery, all forms (045-048)	16	0.7	8	0.4	6	4.1	2	3.7
Scarlet fever (050)	1	0.0	1	0.0	-	-	-	-
Streptococcal sore throat (051)	9	0.4	4	0.2	5	3.4	-	-
Erysipelas (052)	1	0.0	1	0.0	-	-	-	-
Septicemia and pyemia (053)	8	0.4	6	0.3	2	1.4	-	-
Diphtheria (055)	6	0.3	6	0.3	-	-	-	-
Whooping cough (056)	18	0.8	8	0.4	7	4.8	3	5.6
Meningococcal infections (057)	17	0.8	16	0.8	-	-	1	1.9
Plague (058)	-	-	-	-	-	-	-	-
Leprosy (060)	-	-	-	-	-	-	-	-
Tetanus (061)	9	0.4	8	0.4	-	-	1	1.9
Anthrax (062)	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	38	1.7	36	1.8	1	0.7	1	1.9
Acute infectious encephalitis (082)	8	0.4	5	0.2	2	1.4	1	1.9
Late effects of acute poliomyelitis and acute infectious encephalitis (081, 083)	5	0.2	5	0.2	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-
Measles (085)	25	1.1	17	0.8	2	1.4	6	11.2
Yellow fever (091)	-	-	-	-	-	-	-	-
Infectious hepatitis (092)	11	0.5	11	0.5	-	-	-	-
Rabies (094)	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-
Malaria (110-117)	4	0.2	4	0.2	-	-	-	-
Schistosomiasis (123)	-	-	-	-	-	-	-	-
Hydatid disease (125)	-	-	-	-	-	-	-	-
Filaria (127)	-	-	-	-	-	-	-	-
Ankylostomiasis (129)	-	-	-	-	-	-	-	-
Other diseases due to helminths (124, 126, 128, 130)	2	0.1	1	0.0	-	-	1	1.9
All other diseases classified as infective and parasitic (036-039, 049, 054, 059, 063-074, 086-090, 093, 095, 096, 120-122, 131-138)	21	0.9	18	0.9				



TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES  
NUMBER AND RATE, BY RACE, OKLAHOMA, 1951  
(Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasm of all other and unspecified sites (155-160, 164, 165, 175, 176, 178-181, 192-195, 198, 199) . . . . .	855	38.3	782	38.4	48	33.0	25	46.5
Leukemia and aleukemia (204) . . . . .	140	6.3	132	6.5	6	4.1	2	3.7
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system (200-203, 205)	100	4.5	96	4.7	3	2.1	1	1.9
Benign neoplasms and neoplasms of unspecified nature (210-239) . . . . .	80	3.6	63	3.1	15	10.3	2	3.7
Non-toxic goiter (250, 251) . . . . .	3	0.1	3	0.1	-	-	-	-
Thyrotoxicosis with or without goiter (252)	14	0.6	12	0.6	2	1.4	-	-
Diabetes mellitus (260) . . . . .	312	14.0	277	13.6	26	17.9	9	16.7
Avitaminosis and other deficiency states (280-286) . . . . .	47	2.1	41	2.0	3	2.1	3	5.6
Anemias (290-293) . . . . .	73	3.3	62	3.0	8	5.5	3	5.6
Allergic disorders; all other endocrine, metabolic and blood diseases (240-245, 253, 254, 270-277, 287-289, 294-299) . . . . .	131	5.9	118	5.8	12	8.2	1	1.9
Psychoses (300-309) . . . . .	96	4.3	88	4.3	7	4.8	1	1.9
Psychoneuroses and disorders of personality (310-324, 326) . . . . .	41	1.8	30	1.5	6	4.1	5	9.3
Mental deficiency (325) . . . . .	5	0.2	5	0.2	-	-	-	-
Vascular lesions affecting central nervous system (330-334) . . . . .	2,536	113.5	2,263	111.2	237	162.9	36	67.0
Nonmeningococcal meningitis (340) . . . . .	27	1.2	19	0.9	1	0.7	7	13.0
Multiple sclerosis (345) . . . . .	18	0.8	17	0.8	1	0.7	-	-
Epilepsy (353) . . . . .	30	1.3	25	1.2	4	2.7	1	1.9
Inflammatory diseases of eye (370-379) . . . . .	-	-	-	-	-	-	-	-
Cataract (385) . . . . .	-	-	-	-	-	-	-	-
Glaucoma (387) . . . . .	-	-	-	-	-	-	-	-
Otitis media and mastoiditis (391-393) . . . . .	4	0.2	2	0.1	-	-	2	3.7
All other diseases of the nervous system and sense organs (341-344, 350-352, 354-369, 380-384, 386, 388-390, 394-398) . . . . .	153	6.8	132	6.5	18	12.4	3	5.6
Rheumatic fever (400-402) . . . . .	18	0.8	14	0.7	3	2.1	1	1.9
Chronic rheumatic heart disease (410-416) . . . . .	225	10.1	208	10.2	15	10.3	2	3.7
Arteriosclerotic and degenerative heart disease (420-422) . . . . .	4,541	203.2	4,249	208.7	218	149.8	74	137.6
Other diseases of heart (430-434) . . . . .	592	26.5	520	25.5	60	41.2	12	22.3
Hypertension with heart disease (440-443) . . . . .	921	41.2	779	38.3	115	79.0	27	50.2
Hypertension without mention of heart (444-447) . . . . .	198	8.9	170	8.4	23	15.8	5	9.3
Diseases of arteries (450-456) . . . . .	468	20.9	453	22.3	12	8.2	3	5.6
Other diseases of circulatory system (460-468) . . . . .	65	2.9	57	2.8	5	3.4	3	5.6
Acute upper respiratory infections (470-475) . . . . .	19	0.9	15	0.7	4	2.7	-	-
Influenza (480-483) . . . . .	117	5.2	99	4.9	12	8.2	6	11.2
Lobar pneumonia (490) . . . . .	149	6.7	118	5.8	21	14.4	10	18.6
Bronchopneumonia (491) . . . . .	176	7.9	133	6.5	30	20.6	13	24.2
Primary atypical, other and unspecified pneumonia (492, 493) . . . . .	193	8.6	157	7.7	24	16.5	12	22.3
Acute bronchitis (500) . . . . .	3	0.1	3	0.1	-	-	-	-
Bronchitis, chronic and unqualified (501, 502) . . . . .	27	1.2	20	1.0	5	3.4	2	3.7
Hypertrophy of tonsils and adenoids (510) . . . . .	12	0.5	11	0.5	-	-	1	1.9
Empyema and abscess of lung (518, 521) . . . . .	18	0.8	14	0.7	3	2.1	1	1.9
Pleurisy (519) . . . . .	1	0.0	1	0.0	-	-	-	-
All other respiratory diseases (511-517, 520, 522-527) . . . . .	114	5.1	105	5.2	7	4.8	2	3.7
Diseases of teeth and supporting structures (530-535) . . . . .	6	0.3	3	0.1	3	2.1	-	-
Ulcer of stomach (540) . . . . .	51	2.3	40	2.0	11	7.6	-	-
Ulcer of duodenum (541) . . . . .	44	2.0	43	2.1	1	0.7	-	-
Gastritis and duodenitis (543) . . . . .	10	0.4	6	0.3	4	2.7	-	-
Appendicitis (550-553) . . . . .	52	2.3	39	1.9	9	6.2	4	7.4
Intestinal obstruction and hernia (560, 561, 570) . . . . .	150	6.7	122	6.0	21	14.4	7	13.0
Gastro-enteritis and colitis, except diarrhea of the newborn (571, 572) . . . . .	77	3.4	58	2.8	14	9.6	5	9.3
Cirrhosis of liver (581) . . . . .	149	6.7	134	6.6	7	4.8	8	14.9
Cholelithiasis and cholecystitis (584, 585) . . . . .	85	3.8	72	3.5	5	3.4	8	14.9

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES  
NUMBER AND RATE, BY RACE, OKLAHOMA, 1951  
(Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Other diseases of digestive system (536-539, 542, 544, 545, 573-580, 582, 583, 586, 587) . . . . .	103	4.6	88	4.3	14	9.6	1	1.9
Acute nephritis (590) . . . . .	34	1.5	24	1.2	9	6.2	1	1.9
Chronic, other and unspecified nephritis (591-594) . . . . .	411	18.4	321	15.8	78	53.6	12	22.3
Infections of kidney (600) . . . . .	46	2.1	42	2.1	4	2.7	-	-
Calculi of urinary system (602, 604) . . . . .	15	0.7	15	0.7	-	-	-	-
Hyperplasia of prostate (610) . . . . .	134	6.0	116	5.7	17	11.7	1	1.9
Diseases of breast (620, 621) . . . . .	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system (601, 603, 605-609, 611-617, 622-637) . . . . .	63	2.8	48	2.4	12	8.2	3	5.6
Sepsis of pregnancy, childbirth and the puerperium (640, 641, 681, 682, 684) . . . . .	7	0.3	3	0.1	3	2.1	1	1.9
Toxemia of pregnancy and the puerperium (642, 652, 685, 686) . . . . .	18	0.8	8	0.4	7	4.8	3	5.6
Hemorrhage of pregnancy and childbirth (643, 644, 670-672) . . . . .	12	0.5	8	0.4	1	0.7	3	5.6
Abortion without mention of sepsis or toxemia (650) . . . . .	1	0.0	-	-	1	0.7	-	-
Abortion with sepsis (651) . . . . .	-	-	-	-	-	-	-	-
Other complications of pregnancy, childbirth and the puerperium (645-649, 660, 673-680, 683, 687-689) . . . . .	17	0.8	11	0.5	6	4.1	-	-
Infections of skin and subcutaneous tissue (690-698) . . . . .	8	0.4	5	0.2	2	1.4	1	1.9
Arthritis and spondylitis (720-725) . . . . .	32	1.4	29	1.4	1	0.7	2	3.7
Muscular rheumatism and rheumatism, unspecified (726, 727) . . . . .	4	0.2	3	0.1	1	0.7	-	-
Osteomyelitis and periostitis (730) . . . . .	1	0.0	1	0.0	-	-	-	-
Ankylosis and acquired musculoskeletal deformities (737, 745-749) . . . . .	2	0.1	2	0.1	-	-	-	-
All other diseases of skin and musculoskeletal system (700-716, 731-736, 738-744) . . . . .	26	1.2	26	1.3	-	-	-	-
Spina bifida and meningocele (751) . . . . .	40	1.8	39	1.9	1	0.7	-	-
Congenital malformations of circulatory system (754) . . . . .	114	5.1	102	5.0	9	6.2	3	5.6
All other congenital malformations (750, 752, 753, 755-759) . . . . .	120	5.4	102	5.0	10	6.9	8	14.9
Birth injuries (760, 761) . . . . .	160	7.2	139	6.8	16	11.0	5	9.3
Postnatal asphyxia and atelectasis (762) . . . . .	210	9.4	175	8.6	29	19.9	6	11.2
Infections of the newborn (763-768) . . . . .	24	1.1	15	0.7	8	5.5	1	1.9
Hemolytic disease of newborn (770) . . . . .	34	1.5	32	1.6	2	1.4	-	-
All other defined diseases of early infancy (769, 771, 772) . . . . .	49	2.2	36	1.8	11	7.6	2	3.7
Ill-defined diseases peculiar to early infancy, and immaturity unqualified (773-776) . . . . .	422	18.9	355	17.4	51	35.1	16	29.8
Senility without mention of psychosis (794) . . . . .	189	8.5	164	8.1	18	12.4	7	13.0
Ill-defined and unknown causes of mortality (780-793, 795) . . . . .	364	16.3	281	13.8	56	38.5	27	50.2
Motor vehicle accidents (E810-E835) . . . . .	577	25.8	525	25.8	32	22.0	20	37.2
Other transport accidents (E800-E802, E840-E866) . . . . .	77	3.4	69	3.4	2	1.4	6	11.2
Accidental poisoning (E870-E895) . . . . .	37	1.7	33	1.6	4	2.7	-	-
Accidental falls (E900-E904) . . . . .	280	12.5	258	12.7	13	8.9	9	16.7
Accident caused by machinery (E912) . . . . .	46	2.1	44	2.2	1	0.7	1	1.9
Accident caused by fire and explosion of combustible material (E916) . . . . .	140	6.3	101	5.0	37	25.4	2	3.7
Accident caused by hot substance, corrosive liquid, steam, and radiation (E917, E918) . . . . .	16	0.7	13	0.6	2	1.4	1	1.9
Accident caused by firearm (E919) . . . . .	53	2.4	45	2.2	7	4.8	1	1.9
Accidental drowning and submersion (E929) . . . . .	87	3.9	75	3.7	9	6.2	3	5.6
All other accidental causes (E910, E911, E913-E915, E920-E928, E930-E962) . . . . .	187	8.4	156	7.7	22	15.1	9	16.7
Suicide and self-inflicted injury (E963, E970-E979) . . . . .	184	8.2	177	8.7	6	4.1	1	1.9
Homicide and injury purposely inflicted by other persons (not in war) (E964, E965, E980-E985) . . . . .	115	5.1	61	3.0	48	33.0	6	11.2
Injury resulting from operations of war (E990-E999) . . . . .	-	-	-	-	-	-	-	-

TABLE II. RESIDENT BIRTHS, DEATHS, AND DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES NUMBER AND RATE, BY RACE, OKLAHOMA, 1951

Cause of Death	Total		White		Negro		Indian	
	2,234,730		2,035,458		145,503		53,769	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Estimated population, July 1, 1951								
Live births*	50,597	22.6	44,871	22.0	3,799	26.1	1,927	35.8
Physician in hospital	43,971	...	40,106	...	2,154	...	1,711	...
Physician in maternity home	351	...	341	...	4	...	6	...
Physician in home	5,115	...	4,184	...	786	...	145	...
Midwife, other, or unknown	1,160	...	240	...	855	...	65	...
Stillbirths †	764	15.1	617	13.8	107	28.2	40	20.8
Physician in hospital	662	...	550	...	73	...	39	...
Physician in maternity home	-	...	-	...	-	...	-	...
Physician in home	82	...	60	...	21	...	1	...
Midwife, other, or unknown	20	...	7	...	13	...	-	...
Total deaths, all causes*	20,082	9.0	17,675	8.7	1,807	12.4	600	11.2
Deaths under 1 year †	1,560	30.8	1,225	27.3	243	64.0	92	47.7
Deaths under 1 month †	1,120	22.1	931	20.7	145	38.2	44	22.8
Tuberculosis of respiratory system (001-008)	388	17.4	281	13.8	51	35.1	56	104.1
Tuberculosis, other forms (010-019)	34	1.5	21	1.0	5	3.4	8	14.9
Syphilis and its sequelae (020-029)	100	4.5	79	3.9	15	10.3	6	11.2
Typhoid fever (040)	2	0.1	2	0.1	-	-	-	-
Dysentery, all forms (045-048)	16	0.7	8	0.4	6	4.1	2	3.7
Scarlet fever and streptococcal sore throat (050, 051)	10	0.4	5	0.2	5	3.4	-	-
Diphtheria (055)	6	0.3	6	0.3	-	-	-	-
Whooping cough (056)	18	0.8	8	0.4	7	4.8	3	5.6
Meningococcal infections (057)	17	0.8	16	0.8	-	-	1	1.9
Acute poliomyelitis (080)	38	1.7	36	1.8	1	0.7	1	1.9
Smallpox (084)	-	-	-	-	-	-	-	-
Measles (085)	25	1.1	17	0.8	2	1.4	6	11.2
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-
Malaria (110-117)	4	0.2	4	0.2	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	71	3.2	58	2.8	8	5.5	5	9.3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	2,843	127.2	2,587	127.1	185	127.1	71	132.0
Benign and unspecified neoplasms (210-239)	80	3.6	63	3.1	15	10.3	2	3.7
Diabetes mellitus (260)	312	14.0	277	13.6	26	17.9	9	16.7
Anemias (290-293)	73	3.3	62	3.0	8	5.5	3	5.6
Vascular lesions affecting central nervous system (330-334)	2,536	113.5	2,263	111.2	237	162.9	36	67.0
Nonmeningococcal meningitis (340)	27	1.2	19	0.9	1	0.7	7	13.0
Rheumatic fever (400-402)	18	0.8	14	0.7	3	2.1	1	1.9
Chronic rheumatic heart disease (410-416)	225	10.1	208	10.2	15	10.3	2	3.7
Arteriosclerotic and degenerative heart disease (420-422)	4,541	203.2	4,249	208.7	218	149.8	74	137.6
Other diseases of heart (430-434)	592	26.5	520	25.5	60	41.2	12	22.3
Hypertension with heart disease (440-443)	921	41.2	779	38.3	115	79.0	27	50.2
Hypertension without mention of heart (444-447)	198	8.9	170	8.4	23	15.8	5	9.3
Influenza (480-483)	117	5.2	99	4.9	12	8.2	6	11.2
Pneumonia (490-493)	518	23.2	408	20.0	75	51.5	35	65.1
Bronchitis (500-502)	30	1.3	23	1.1	5	3.4	2	3.7
Ulcer of stomach and duodenum (540, 541)	95	4.3	83	4.1	12	8.2	-	-
Appendicitis (550-553)	52	2.3	39	1.9	9	6.2	4	7.4
Intestinal obstruction and hernia (560, 561, 570)	150	6.7	122	6.0	21	14.4	7	13.0
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	87	3.9	64	3.1	18	12.4	5	9.3
Cirrhosis of liver (581)	149	6.7	134	6.6	7	4.8	8	14.9
Nephritis and nephrosis (590-594)	445	19.9	345	16.9	87	59.8	13	24.2
Hyperplasia of prostate (610)	134	6.0	116	5.7	17	11.7	1	1.9
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	55	1.1	30	0.7	18	4.7	7	3.6
Congenital malformations (750-759)	274	12.3	243	11.9	20	13.7	11	20.5
Birth injuries, postnatal asphyxia and atelectasis (760-762)	370	16.6	314	15.4	45	30.9	11	20.5
Infections of the newborn (763-768)	24	1.1	15	0.7	8	5.5	1	1.9
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	505	22.6	423	20.8	64	44.0	18	33.5
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	553	24.7	445	21.9	74	50.9	34	63.2
All other diseases (Residual)	1,630	72.9	1,463	71.9	126	86.6	41	76.3
Motor vehicle accidents (E810-E835)	577	25.8	525	25.8	32	22.0	20	37.2
All other accidents (E800-E802, E840-E962)	923	41.3	794	39.0	97	66.7	32	59.5
Suicide and self-inflicted injury (E963, E970-E979)	184	8.2	177	8.7	6	4.1	1	1.9
Homicide and operations of war (E964, E965, E980-E999)	115	5.1	61	3.0	48	33.0	6	11.2

See notes on Table A.

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1951

Cause of Death	All Ages						Under 1 Year					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes*	10,606	7,069	1,001	806	314	286	708	517	148	95	52	40
Tuberculosis of respiratory system (001-008)	189	92	33	18	30	26	1	1	-	-	-	-
Tuberculosis, other forms (010-019)	11	10	5	-	4	4	-	2	1	-	2	-
Syphilis and its sequelae (020-029)	58	21	13	2	5	1	-	3	-	-	1	1
Typhoid fever (040)	1	1	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	4	4	5	1	2	-	1	2	4	-	1	-
Scarlet fever and streptococcal sore throat (050, 051)	4	1	2	3	-	-	1	-	1	-	-	-
Diphtheria (055)	3	3	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	3	5	7	-	-	3	3	1	5	-	-	2
Meningococcal infections (057)	9	7	-	-	1	-	1	1	-	-	-	-
Acute poliomyelitis (080)	25	11	-	1	1	-	3	1	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	10	7	2	-	2	4	-	-	-	-	1	1
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	3	1	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	34	24	3	5	3	2	3	2	-	1	1	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	1,360	1,227	85	100	22	49	3	2	-	-	-	-
Benign and unspecified neoplasms (210-239)	25	38	4	11	1	1	1	1	-	-	-	-
Diabetes mellitus (260)	127	150	10	16	2	7	-	-	-	-	-	-
Anemias (290-293)	35	27	1	7	1	2	1	-	1	-	-	-
Vascular lesions affecting central nervous system (330-334)	1,207	1,056	104	133	17	19	3	6	-	1	-	1
Nonmeningococcal meningitis (340)	13	6	1	-	4	3	4	-	1	-	1	1
Rheumatic fever (400-402)	5	9	1	2	1	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	118	90	7	8	2	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	2,898	1,351	131	87	39	35	3	-	-	-	-	-
Other diseases of heart (430-434)	354	166	40	20	10	2	-	1	-	-	1	-
Hypertension with heart disease (440-443)	398	381	67	48	15	12	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	96	74	10	13	2	3	-	-	-	-	-	-
Influenza (480-483)	54	45	11	1	3	3	1	1	6	-	1	1
Pneumonia (490-493)	220	188	47	28	16	19	32	28	21	14	5	10
Bronchitis (500-502)	16	7	4	1	-	2	2	-	1	-	-	-
Ulcer of stomach and duodenum (540, 541)	72	11	5	7	-	-	1	-	-	1	-	-
Appendicitis (550-553)	26	13	4	5	3	1	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	53	69	12	9	4	3	3	6	3	-	2	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	32	32	4	14	3	2	14	9	3	7	3	1
Cirrhosis of liver (581)	91	43	4	3	7	1	-	1	-	-	-	-
Nephritis and nephrosis (590-594)	195	150	36	51	9	4	-	1	-	-	-	-
Hyperplasia of prostate (610)	116	-	17	-	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689) †	-	30	-	18	-	7	-	-	-	-	-	-
Gongenital malformations (750-759)	115	128	14	6	5	6	88	105	9	6	5	4
Birth injuries, postnatal asphyxia and atelectasis (760-762)	190	124	25	20	6	5	189	124	25	20	6	5
Infections of the newborn (763-768)	12	3	4	4	1	-	12	3	4	4	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	253	170	40	24	12	6	252	170	40	24	12	6
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	268	177	39	35	17	17	26	9	7	6	4	3
All other diseases (Residual)	807	656	77	49	19	22	29	23	11	4	3	2
Motor vehicle accidents (E810-E835)	382	143	24	8	17	3	4	2	-	-	-	-
All other accidents (E800-E802, E840-E962)	531	263	57	40	20	12	27	12	6	6	2	-
Suicide and self-inflicted injury (E963, E970-E979)	139	38	5	1	1	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	44	17	41	7	6	-	-	-	-	-	-	-



TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1951 (Continued)

Cause of Death	1-4 Years						5-9 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes*	142	127	27	13	20	15	81	52	11	7	2	2
Tuberculosis of respiratory system (001-008)	-	-	-	-	1	-	-	-	-	-	1	1
Tuberculosis, other forms (010-019)	4	3	1	-	1	3	-	1	1	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	1	-	-	1	-	-	1	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	1	-	-	1	-	-	1	-	-
Diphtheria (055)	3	2	-	-	-	-	-	1	-	-	-	-
Whooping cough (056)	-	3	2	-	-	1	-	-	-	-	-	-
Meningococcal infections (057)	1	3	-	-	1	-	-	1	-	-	-	-
Acute poliomyelitis (080)	3	5	-	1	1	-	6	3	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	9	5	2	-	-	2	-	1	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	1	-	1	1	-	2	1	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	17	12	2	2	1	1	10	5	-	-	-	-
Benign and unspecified neoplasms (210-239)	1	1	1	-	-	-	-	-	1	-	-	-
Diabetes mellitus (260)	-	1	-	-	-	-	1	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	1	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	2	-	-	-	-	-	2	-	-	-	-
Nonmeningococcal meningitis (340)	4	3	-	-	3	1	3	1	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	1	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	-	-	-	-	-	-	1	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	-	1	-	-	-	-	1	-	-	-	1	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	3	1	-	-	1	-	2	-	1	-	-	-
Pneumonia (490-493)	9	12	3	2	7	3	4	-	-	-	-	-
Bronchitis (500-502)	1	2	1	-	-	1	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	3	3	-	-	1	-	2	1	1	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	-	-	1	-	-	-	1	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	3	-	1	-	1	1	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	1	-	-	-	-
Nephritis and nephrosis (590-594)	1	2	-	-	-	-	4	1	1	-	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	11	11	3	-	-	1	3	2	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	4	4	1	-	1	-	-	-	1	-	-	-
All other diseases (Residual)	12	11	3	1	-	1	9	8	1	1	-	-
Motor vehicle accidents (E810-E835)	12	14	1	1	-	-	5	9	3	1	-	-
All other accidents (E800-E802, E840-E962)	34	20	7	2	-	-	25	10	2	1	-	1
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	1	-	-	-	-	1	-	-	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1951 (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*	61	37	7	6	3	1	105	51	13	10	8	4
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	1	2	-	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	1	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	1	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	2	-	-	-	-	-	1	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	5	1	-	-	-	-	1	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	-	-	-	1	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	-	-	-	-	-	1	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	6	4	-	-	-	-	9	4	3	-	-	1
Benign and unspecified neoplasms (210-239)	2	1	-	-	-	-	2	-	-	-	1	-
Diabetes mellitus (260)	-	2	-	-	-	-	-	1	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	-	-	-	-	-	1	2	-	-	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	1	1	1	-	-	1	1	-	-	1	-
Chronic rheumatic heart disease (410-416)	1	1	-	1	1	-	1	3	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	1	-	-
Other diseases of heart (430-434)	-	-	-	-	-	-	-	2	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	-	1	1	-	-	-	-	-	-	-	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	2	-	-	-	-	-	1	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	1	-	-	-	-
Cirrhosis of liver (581)	1	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	1	2	-	1	-	-	8	1	-	1	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	3	-	2	-	-
Congenital malformations (750-759)	-	1	-	-	-	-	-	2	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	-	-	-	-	-	-	1	2	-	-	-	1
All other diseases (Residual)	2	7	1	-	1	-	2	6	-	3	1	-
Motor vehicle accidents (E810-E835)	8	7	1	-	-	-	42	16	2	-	3	-
All other accidents (E800-E802, E840-E962)	29	8	3	3	-	1	29	5	3	3	2	1
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	1	1	1	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	1	2	1	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1951 (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*	147	63	8	13	7	9	277	163	49	36	15	20
Tuberculosis of respiratory system (001-008)	3	5	-	2	4	4	14	19	5	8	2	4
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	1	-	-	1	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	2	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	1	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	-	-	-	-	-	4	1	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	3	-	-	-	-	1	3	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	8	9	-	-	-	-	29	28	3	4	-	5
Benign and unspecified neoplasms (210-239)	1	-	1	-	-	1	1	6	1	1	-	-
Diabetes mellitus (260)	3	2	-	-	1	-	6	2	-	-	1	-
Anemias (290-293)	1	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	1	-	-	-	-	-	9	6	-	2	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	-
Rheumatic fever (400-402)	-	-	-	-	-	-	1	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	6	1	-	-	-	-	5	4	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	1	-	-	-	-	-	12	4	2	2	2	1
Other diseases of heart (430-434)	1	1	-	-	-	-	4	4	-	-	-	-
Hypertension with heart disease (440-443)	-	1	-	-	-	-	1	2	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	1	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	3	4	-	-	-	-	1	2	-	-	1	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	1	-	-	1	-	1	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	4	-	1	-	1	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	1	4	1	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	2	-	-	-	-	-
Cirrhosis of liver (581)	-	1	-	-	-	-	2	-	-	-	1	-
Nephritis and nephrosis (590-594)	3	4	-	-	-	-	7	2	-	2	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	5	-	2	-	2	-	13	-	8	-	3
Congenital malformations (750-759)	1	1	-	-	-	-	1	1	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	-	-	1	-	-	-	1	-	-	-	-
All other diseases (Residual)	7	5	2	2	1	-	18	23	5	2	-	2
Motor vehicle accidents (E810-E835)	54	13	2	2	-	1	65	16	4	-	3	1
All other accidents (E800-E802, E840-E962)	38	5	-	2	1	-	58	7	9	2	3	1
Suicide and self-inflicted injury (E963, E970-E979)	7	-	-	-	-	-	20	5	2	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	4	3	3	1	-	-	9	5	16	3	2	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1951 (Continued)

Cause of Death	35-44 Years						45-64 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes*	467	269	61	81	23	30	2,625	1,262	258	226	80	65
Tuberculosis of respiratory system (001-008)	33	12	7	2	-	7	84	18	14	5	16	4
Tuberculosis, other forms (010-019)	-	-	1	-	-	1	2	1	-	-	-	-
Syphilis and its sequelae (020-029)	3	2	1	-	-	-	27	3	7	1	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	1	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	1	-	-	-	2	-	-	1	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	1	2	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	1	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	3	-	1	1	-	13	4	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	54	101	6	17	2	9	432	444	31	37	10	16
Benign and unspecified neoplasms (210-239)	-	5	-	4	-	-	9	15	1	4	-	-
Diabetes mellitus (260)	7	1	-	3	-	1	32	36	6	5	1	5
Anemias (290-293)	-	1	-	1	-	-	3	6	-	1	-	2
Vascular lesions affecting central nervous system (330-334)	12	18	3	7	-	1	203	137	25	40	5	5
Nonmeningococcal meningitis (340)	2	1	-	-	-	-	-	1	-	-	-	-
Rheumatic fever (400-402)	1	2	-	1	-	-	-	2	-	-	-	-
Chronic rheumatic heart disease (410-416)	11	14	1	1	-	-	39	23	3	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	79	13	2	9	4	-	929	211	48	33	11	10
Other diseases of heart (430-434)	15	5	5	1	2	-	103	26	14	8	3	1
Hypertension with heart disease (440-443)	6	1	1	6	-	-	67	46	21	17	3	7
Hypertension without mention of heart (444-447)	3	1	-	3	-	-	27	15	6	3	-	2
Influenza (480-483)	1	2	-	-	-	-	7	5	2	-	-	-
Pneumonia (490-493)	7	4	1	1	-	-	32	10	6	5	2	1
Bronchitis (500-502)	-	-	-	-	-	1	3	1	1	1	-	-
Ulcer of stomach and duodenum (540, 541)	4	-	2	1	-	-	40	3	2	3	-	-
Appendicitis (550-553)	1	-	-	-	-	1	3	3	1	5	-	-
Intestinal obstruction and hernia (560, 561, 570)	4	1	-	1	-	1	14	21	2	3	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	1	-	-	-	-	3	2	-	2	-	-
Cirrhosis of liver (581)	11	3	1	2	1	-	35	14	2	1	6	-
Nephritis and nephrosis (590-594)	10	8	4	1	1	-	48	26	11	21	1	1
Hyperplasia of prostate (610)	-	-	-	-	-	-	5	-	2	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	9	-	6	-	2	-	-	-	-	-	-
Congenital malformations (750-759)	6	1	-	-	-	-	4	4	2	-	-	1
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	7	2	2	-	3	-	38	14	8	6	2	1
All other diseases (Residual)	35	15	3	8	1	3	174	103	17	12	5	4
Motor vehicle accidents (E810-E835)	56	17	5	1	4	-	82	32	5	2	3	1
All other accidents (E800-E802, E840-E962)	65	11	4	3	3	3	94	19	11	5	6	3
Suicide and self-inflicted injury (E963, E970-E979)	19	14	1	-	-	-	54	9	1	1	1	-
Homicide and operations of war (E964, E965, E980-E999)	11	1	10	1	1	-	16	4	9	1	2	-



TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1951 (Continued)

	65 And Over						Age Unknown					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes*	5,976	4,523	414	315	99	98	17	5	5	4	5	2
Tuberculosis of respiratory system (001-008)	53	36	5	1	6	5	1	-	-	-	-	-
Tuberculosis, other forms (010-019)	5	2	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	28	11	4	1	2	-	-	1	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	2	-	1	1	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	1	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	2	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	1	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	3	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	9	7	3	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	789	618	40	40	7	17	3	-	-	-	2	-
Benign and unspecified neoplasms (210-239)	8	9	-	1	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	78	105	4	8	-	-	-	-	-	-	-	-
Anemias (290-293)	30	20	-	4	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	976	883	75	83	11	12	2	-	1	-	1	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	1	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	54	43	3	4	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	1,870	1,121	79	40	22	24	3	2	-	2	-	-
Other diseases of heart (430-434)	228	128	21	11	3	1	-	-	-	-	-	-
Hypertension with heart disease (440-443)	324	330	43	25	12	4	-	1	2	-	-	1
Hypertension without mention of heart (444-447)	66	57	4	7	2	1	-	-	-	-	-	-
Influenza (480-483)	40	36	2	1	1	2	-	-	-	-	-	-
Pneumonia (490-493)	130	127	15	6	1	5	2	-	-	-	-	-
Bronchitis (500-502)	10	4	1	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	26	7	1	-	-	-	-	1	-	-	-	-
Appendicitis (550-553)	10	6	1	-	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	28	36	6	3	1	1	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	10	16	1	4	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	42	23	1	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	113	103	20	25	6	3	-	-	-	-	1	-
Hyperplasia of prostate (610)	111	-	15	-	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	189	145	21	21	6	12	1	-	-	-	1	-
All other diseases (Residual)	516	454	34	14	7	9	3	1	-	2	-	1
Motor vehicle accidents (E810-E835)	52	17	-	1	4	-	2	-	1	-	-	-
All other accidents (E800-E802, E840-E962)	132	166	12	13	3	2	-	-	-	-	-	-
Suicide and self-inflicted injury (E963, E970-E979)	38	9	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	2	1	2	1	1	-	-	-	-	-	-	-

TABLE IV. LEADING CAUSES OF DEATH, NUMBER AND PER CENT, BY RACE, BY AGE GROUP, OKLAHOMA, 1951

Cause of Death	All Races		White		Negro		Indian	
	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total
All Ages	20,082		17,675		1,807		600	
Diseases of the heart (410-443)	6,279	31.3	5,756	32.6	408	22.6	115	19.2
Malignant neoplasms (140-205)	2,843	14.2	2,587	14.6	185	10.2	71	11.8
Vascular lesions of CNS (330-334)	2,536	12.6	2,263	12.8	237	13.1	36	6.0
Accidents (E800-E962)	1,500	7.5	1,319	7.5	129	7.1	52	8.7
Congenital malformations, diseases of infancy (750-776)	1,173	5.8	995	5.6	137	7.6	41	6.8
Pneumonia (490-493)	518	2.6	408	2.3	75	4.2	35	5.8
Nephritis and nephrosis (590-594)	445	2.2	345	2.0	87	4.8	13	2.2
Tuberculosis (001-019)	422	2.1	302	1.7	56	3.1	64	10.7
Ages 0 - 4	1,904		1,494		283		127	
Congenital malformations, diseases of infancy (750-776)	1,142	60.0	967	64.7	135	47.7	40	31.5
Accidents (E800-E962)	150	7.9	125	8.4	23	8.1	2	1.6
Pneumonia (490-493)	146	7.7	81	5.4	40	14.1	25	19.7
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571-572)	43	2.3	27	1.8	11	3.9	5	3.9
Malignant neoplasms (140-205)	40	2.1	34	2.3	4	1.4	2	1.6
Tuberculosis (001-019)	20	1.0	11	0.7	2	0.7	7	5.5
Measles (085)	20	1.0	14	0.9	2	0.7	4	3.1
Nonmeningococcal meningitis (340)	18	0.9	11	0.7	1	0.4	6	4.7
Intestinal obstruction, hernia (560-561, 570)	18	0.9	12	0.8	4	1.4	2	1.6
Ages 5 - 14	270		231		31		8	
Accidents (E800-E962)	117	43.3	101	43.7	14	45.2	2	25.0
Malignant neoplasms (140-205)	25	9.3	25	10.8	-	-	-	-
Acute poliomyelitis (080)	15	5.6	15	6.5	-	-	-	-
Nephritis and nephrosis (590-594)	10	3.7	8	3.5	2	6.5	-	-
Diseases of the heart (410-443)	7	2.6	4	1.7	1	3.2	2	25.0
Appendicitis (550-553)	6	2.2	5	2.2	1	3.2	-	-
Pneumonia (490-493)	6	2.2	5	2.2	1	3.2	-	-
Congenital malformations, diseases of infancy (750-776)	6	2.2	6	2.6	-	-	-	-
Ages 15 - 24	438		366		44		28	
Accidents (E800-E962)	224	51.1	202	55.2	14	31.8	8	28.6
Malignant neoplasms (140-205)	34	7.8	30	8.2	3	6.8	1	3.6
Tuberculosis (001-019)	23	5.3	9	2.5	5	11.4	9	32.1
Diseases of the heart (410-443)	19	4.3	18	4.9	1	2.3	-	-
Nephritis and nephrosis (590-594)	17	3.9	16	4.4	1	2.3	-	-
Homicide (E964, E965, E980-E999)	15	3.4	10	2.7	5	11.4	-	-
Maternal causes (640-689)	14	3.2	8	2.2	4	9.1	2	7.1
Suicide (E963, E970-E979)	10	2.3	9	2.5	1	2.3	-	-
Ages 25 - 34	560		440		85		35	
Accidents (E800-E962)	169	30.2	146	33.2	15	17.6	8	22.9
Malignant neoplasms (140-205)	69	12.3	57	13.0	7	8.2	5	14.3
Tuberculosis (001-019)	54	9.6	34	7.7	13	15.3	7	20.0
Diseases of the heart (410-443)	43	7.7	36	8.2	4	4.7	3	8.6
Homicide (E964, E965, E980-E999)	35	6.3	14	3.2	19	22.4	2	5.7
Suicide (E963, E970-E979)	27	4.8	25	5.7	2	2.4	-	-
Maternal causes (640-689)	24	4.3	13	3.0	8	9.4	3	8.6
Vascular lesions of CNS (330-334)	17	3.0	15	3.4	2	2.4	-	-
Ages 35 - 44	931		736		142		53	
Malignant neoplasms (140-205)	189	20.3	155	21.1	23	16.2	11	20.8
Diseases of the heart (410-443)	176	18.9	144	19.6	26	18.3	6	11.3
Accidents (E800-E962)	172	18.5	149	20.2	13	9.2	10	18.9
Tuberculosis (001-019)	63	6.8	45	6.1	10	7.0	8	15.1
Vascular lesions of CNS (330-334)	41	4.4	30	4.1	10	7.0	1	1.9
Suicide (E963, E970-E979)	34	3.7	33	4.5	1	0.7	-	-
Nephritis and nephrosis (590-594)	24	2.6	18	2.4	5	3.5	1	1.9
Homicide (E964, E965, E980-E999)	24	2.6	12	1.6	11	7.7	1	1.9
Ages 45 - 64	4,516		3,887		484		145	
Diseases of heart (410-443)	1,625	36.0	1,444	37.1	146	30.2	35	24.1
Malignant neoplasms (140-205)	970	21.5	876	22.5	68	14.0	26	17.9
Vascular lesions of CNS (330-334)	415	9.2	340	8.7	65	13.4	10	6.9
Accidents (E800-E962)	263	5.8	227	5.8	23	4.8	13	9.0
Tuberculosis (001-019)	144	3.2	105	2.7	19	3.9	20	13.8
Nephritis and nephrosis (590-594)	108	2.4	74	1.9	32	6.6	2	1.4
Diabetes mellitus (260)	85	1.9	68	1.7	11	2.3	6	4.1
Suicide (E963, E970-E979)	66	1.5	63	1.6	2	0.4	1	0.7
Ages 65 and over	11,425		10,499		729		197	
Diseases of the heart (410-443)	4,391	38.4	4,098	39.0	226	31.0	67	34.0
Vascular lesions of CNS (330-334)	2,040	17.9	1,859	17.7	158	21.7	23	11.7
Malignant neoplasms (140-205)	1,511	13.2	1,407	13.4	80	11.0	24	12.2
Accidents (E800-E962)	402	3.5	367	3.5	26	3.6	9	4.6
Pneumonia (490-493)	284</							



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951

	ADAIR						ALFALFA						ATOKA					
	Total		Race		Ind.	No.	Total		Race		Ind.	No.	Total		Race		Ind.	No.
	No.	Rate	No.	No.			No.	No.	No.	No.			No.	No.	No.	No.		
Estimated population, July 1, 1951	14,918						10,270						14,269					
Live births*	342	22.9	232	-	110	196	19.1	196	-	-	-	-	283	19.8	251	15	17	
Physician in hospital	239	...	143	-	96	193	...	193	-	-	-	-	110	...	96	3	11	
Physician in home	87	...	80	-	7	3	...	3	-	-	-	-	160	...	146	10	4	
Midwife, other, or unknown	16	...	9	-	7	-	...	-	-	-	-	-	13	...	9	2	2	
Stillbirths †	6	17.5	2	-	4	-	...	-	-	-	-	-	6	21.2	6	-	-	
Physician in hospital	4	...	1	-	3	-	...	-	-	-	-	-	5	...	5	-	-	
Physician in home	2	...	1	-	1	-	...	-	-	-	-	-	1	...	1	-	-	
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total deaths, all causes*	144	9.7	104	-	40	122	11.9	122	-	-	-	-	123	8.6	111	8	4	
Deaths under 1 year †	11	32.2	6	-	5	5	25.5	5	-	-	-	-	6	21.2	6	-	-	
Deaths under 1 month †	7	20.5	5	-	2	5	25.5	5	-	-	-	-	2	7.1	2	-	-	
Tuberculosis of respiratory system (001-008)	5	33.5	2	-	3	-	...	-	-	-	-	-	4	28.0	3	-	1	
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	1	7.0	-	-	1	
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dysentery, all forms (045-048)	1	6.7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	1	7.0	1	-	-	
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	6.7	-	-	1	1	9.7	1	-	-	-	-	2	14.0	2	-	-	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	25	167.6	19	-	6	18	175.3	18	-	-	-	-	26	182.2	25	1	-	
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	1	7.0	1	-	-	
Diabetes mellitus (260)	4	26.8	3	-	1	2	19.5	2	-	-	-	-	1	7.0	1	-	-	
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vascular lesions affecting central nervous system (330-334)	17	114.0	14	-	3	19	185.0	19	-	-	-	-	13	91.1	13	-	-	
Nonmeningococcal meningitis (340)	3	20.1	1	-	2	-	-	-	-	-	-	-	2	14.0	2	-	-	
Rheumatic fever (400-402)	1	6.7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Chronic rheumatic heart disease (410-416)	4	26.8	4	-	-	3	29.2	3	-	-	-	-	-	-	-	-	-	
Arteriosclerotic and degenerative heart disease (420-422)	24	160.9	22	-	2	35	340.8	35	-	-	-	-	27	189.2	25	2	-	
Other diseases of heart (430-434)	3	20.1	2	-	1	3	29.2	3	-	-	-	-	2	14.0	1	1	-	
Hypertension with heart disease (440-443)	10	67.0	7	-	3	2	19.5	2	-	-	-	-	3	21.0	2	1	-	
Hypertension without mention of heart (444-447)	-	-	-	-	-	2	19.5	2	-	-	-	-	1	7.0	1	-	-	
Influenza (480-483)	-	-	-	-	-	1	9.7	1	-	-	-	-	1	7.0	1	-	-	
Pneumonia (490-493)	3	20.1	1	-	2	5	48.7	5	-	-	-	-	3	21.0	2	1	-	
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-	1	7.0	1	-	-	
Appendicitis (550-553)	2	13.4	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
Intestinal obstruction and hernia (560, 561, 570)	1	6.7	-	-	1	1	9.7	1	-	-	-	-	1	7.0	-	-	1	
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	6.7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-	1	7.0	-	-	1	
Nephritis and nephrosis (590-594)	1	6.7	1	-	-	1	9.7	1	-	-	-	-	2	14.0	2	-	-	
Hyperplasia of prostate (610)	1	6.7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Complications of pregnancy, childbirth and the puerperium (640-689) †	1	2.9	-	-	1	1	5.1	1	-	-	-	-	-	-	-	-	-	
Congenital malformations (750-759)	-	-	-	-	-	2	19.5	2	-	-	-	-	1	7.0	1	-	-	
Birth injuries, postnatal asphyxia and atelectasis (760-762)	4	26.8	2	-	2	1	9.7	1	-	-	-	-	-	-	-	-	-	
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	13.4	2	-	-	3	29.2	3	-	-	-	-	2	14.0	2	-	-	
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	7	46.9	5	-	2	2	19.5	2	-	-	-	-	5	35.0	5	-	-	
All other diseases (Residual)	11	73.7	8	-	3	15	146.1	15	-	-	-	-	6	42.0	6	-	-	
Motor vehicle accidents (E810-E835)	6	40.2	4	-	2	1	9.7	1	-	-	-	-	5	35.0	4	1	-	
All other accidents (E800-E802, E840-E962)	5	33.5	3	-	2	4	38.9	4	-	-	-	-	9	63.1	9	-	-	
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	-	-	1	7.0	1	-	-	
Homicide and operations of war (E964, E965, E980-E999)	1	6.7	1	-	-	-	-	-	-	-	-	-	1	7.0	-	1	-	

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	BEAVER						BECKHAM						BLAINE					
	Total		Race		Ind.	No.	Total		Race		Ind.	No.	Total		Race		Ind.	No.
	No.	Rate	No.	No.			No.	No.	No.	No.			No.	No.	No.	No.		
Estimated population, July 1, 1951	7,256						21,559						14,613					
Live births*	161	22.2	161	-	-	498	23.1	482	14	2	345	23.6	265	31	49			
Physician in hospital	148	...	148	-	-	466	...	450	14	2	284	...	224	17	43			
Physician in home	13	...	13	-	-	32	...	32	-	-	53	...	41	8	4			
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-	8	...	-	6	2			
Stillbirths †	1	6.2	1	-	-	6	12.0	5	1	-	6	17.4	4	2	2			
Physician in hospital	1	...	1	-	-	6	...	5	1	-	4	...	2	-	2			
Physician in home	-	-	-	-	-	-	-	-	-	-	2	...	2	-	-			
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-	-	...	-	-	-			
Total deaths, all causes*	66	9.1	66	-	-	187	8.7	182	5	-	154	10.5	116	24	14			
Deaths under 1 year †	4	24.8	4	-	-	18	36.1	18	-	-	19	55.1	11	4	4			
Deaths under 1 month †	4	24.8	4	-	-	13	26.1	13	-	-	11	31.9	9	1	1			
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	3	13.9	3	-	-	2	13.7	2	-	-			
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	4.6	-	1	-	1	6.8	-	-	-			
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	4.6	-	1	-	-	-	-	-	-			
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	1	6.8	1	-	-			
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Acute poliomy																		

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	BRYAN					GARDO					CANADIAN				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	28,999					34,082					25,433				
Live births*	582	20.1	554	13	15	846	24.8	672	35	139	498	19.6	460	23	15
Physician in hospital	407	...	393	6	8	682	...	542	10	130	470	...	442	13	15
Physician in home	166	...	157	2	7	144	...	126	14	4	28	...	18	10	-
Midwife, other, or unknown	9	...	4	5	-	20	...	4	11	5	-	...	-	-	-
Stillbirths †	8	13.7	8	-	-	19	22.5	12	1	6	9	18.1	7	2	-
Physician in hospital	5	...	5	-	-	15	...	9	-	6	8	...	7	1	-
Physician in home	3	...	3	-	-	4	...	3	1	-	1	...	-	1	-
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total deaths, all causes*	282	9.7	275	5	2	340	10.0	298	10	32	218	8.6	192	20	6
Deaths under 1 year †	19	32.6	16	3	-	21	24.8	17	1	3	10	20.1	9	1	-
Deaths under 1 month †	16	27.5	14	2	-	13	15.4	10	1	2	7	14.1	6	1	-
Tuberculosis of respiratory system (001-008)	6	20.7	5	-	1	7	20.5	3	-	4	6	23.6	5	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	2	5.9	1	-	1	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	3.4	1	-	-	2	5.9	2	-	-	2	7.9	2	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	3.4	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	3.4	1	-	-	-	-	-	-	-	2	7.9	2	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	39	134.5	39	-	-	59	173.1	55	1	3	28	110.1	26	1	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	2	5.9	1	-	1	2	7.9	2	-	-
Diabetes mellitus (260)	3	10.3	3	-	-	5	14.7	5	-	-	5	19.7	4	1	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	1	3.9	-	-	1
Vascular lesions affecting central nervous system (330-334)	25	86.2	24	1	-	39	114.4	35	2	2	14	55.0	12	2	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	2.9	-	-	1	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	2	5.9	2	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	6.9	2	-	-	8	23.5	8	-	-	5	19.7	3	1	1
Arteriosclerotic and degenerative heart disease (420-422)	76	262.1	76	-	-	73	214.2	65	2	6	61	239.8	57	4	-
Other diseases of heart (430-434)	9	31.0	8	1	-	8	23.5	8	-	-	9	35.4	8	1	-
Hypertension with heart disease (440-443)	18	62.1	18	-	-	12	35.2	11	1	-	6	23.6	5	1	-
Hypertension without mention of heart (444-447)	3	10.3	3	-	-	4	11.7	2	-	2	3	11.8	3	-	-
Influenza (480-483)	1	3.4	1	-	-	1	2.9	1	-	-	4	15.7	4	-	-
Pneumonia (490-493)	6	20.7	5	1	-	7	20.5	6	-	1	5	19.7	3	2	-
Bronchitis (500-502)	-	-	-	-	-	1	2.9	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	3.4	1	-	-	1	2.9	1	-	-	-	-	-	-	-
Appendicitis (550-553)	1	3.4	1	-	-	1	2.9	1	-	-	1	3.9	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	5	17.2	5	-	-	3	8.8	2	-	1	3	11.8	2	-	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	6.9	2	-	-	2	5.9	2	-	-	-	-	-	-	-
Cirrhosis of liver (581)	4	13.8	4	-	-	1	2.9	1	-	-	2	7.9	1	1	-
Nephritis and nephrosis (590-594)	4	13.8	4	-	-	3	8.8	3	-	-	1	3.9	-	1	-
Hyperplasia of prostate (610)	2	6.9	2	-	-	5	14.7	4	1	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689) †	1	1.7	1	-	-	1	1.2	-	1	-	-	-	-	-	-
Congenital malformations (750-759)	2	6.9	2	-	-	6	17.6	4	-	2	2	7.9	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	6	20.7	6	-	-	3	8.8	2	1	-	4	15.7	3	1	-
Infections of the newborn (763-768)	-	-	-	-	-	1	2.9	1	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	10	34.5	8	2	-	6	17.6	5	-	1	3	11.8	3	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	11	37.9	11	-	-	11	32.3	10	-	1	17	66.8	16	-	1
All other diseases (Residual)	24	82.8	24	-	-	24	70.4	20	1	3	17	66.8	14	3	-
Motor vehicle accidents (E810-E835)	5	17.2	5	-	-	10	29.3	10	-	-	2	7.9	2	-	-
All other accidents (E800-E802, E840-E962)	11	37.9	10	-	1	24	70.4	22	-	2	8	31.5	7	1	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	4	11.7	4	-	-	4	15.7	4	-	-
Homicide and operations of war (E964, E965, E980-E999)	2	6.9	2	-	-	1	2.9	-	-	1	1	3.9	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	CARTER					CHEROKEE					CHOCTAW				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	36,455					18,989					20,405				
Live births*	750	20.6	659	78	13	449	23.6	377	5	107	400	19.6	282	93	25
Physician in hospital	619	...	576	32	11	376	...	272	-	104	221	...	187	12	22
Physician in home	108	...	80	27	1	56	...	52	3	1	102	...	85	14	3
Midwife, other, or unknown	23	...	3	19	1	17	...	13	2	2	77	...	10	67	-
Stillbirths †	12	16.0	11	1	-	4	8.9	1	1	2	9	22.5	6	3	-
Physician in hospital	10	...	9	1	-	3	...	1	-	2	3	...	3	-	-
Physician in home	2	...	2	-	-	1	...	-	-	1	3	...	2	1	-
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-	3	...	1	2	-
Total deaths, all causes*	340	9.3	295	41	4	128	6.7	96	3	29	216	10.6	151	54	11
Deaths under 1 year †	23	30.7	17	6	-	10	22.3	9	-	1	11	27.5	6	4	1
Deaths under 1 month †	18	24.0	15	3	-	6	13.4	5	-	1	7	17.5	5	2	-
Tuberculosis of respiratory system (001-008)	5	13.7	4	-	1	11	57.9	4	-	7	3	14.7	-	1	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	2	5.5	1	1	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	1	2.7	1	-	-	1	5.3	1	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	2	9.8	-	2	-
Scarlet fever and streptococcal sore throat (050, 051)	1	2.7	-	1	-	-	-	-	-	-	1	4.9	-	1	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	2.7	1	-	-	-	-	-	-	-	1	4.9	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	52	142.6	49	2	1	18	94.8	11	-	7	21	102.9	16	5	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	2	10.5	2	-	-	-	-	-	-	-
Diabetes mellitus (260)	7	19.2	4	3	-	2	10.5	2	-	-</					



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	CIMARRON					CLEVELAND					COAL				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	4,706					43,158					8,056				
Live births*	120	25.5	120	-	-	821	19.0	812	2	7	132	16.4	127	2	3
Physician in hospital	109	...	109	-	-	787	...	778	2	7	43	...	41	-	2
Physician in home	11	...	11	-	-	31	...	31	-	-	86	...	83	2	1
Midwife, other, or unknown	-	...	-	-	-	3	...	3	-	-	3	...	3	-	-
Stillbirths †	2	16.7	2	-	-	9	11.0	9	-	-	6	45.5	6	-	-
Physician in hospital	2	...	2	-	-	9	...	9	-	-	3	...	3	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	3	...	3	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	19	4.0	19	-	-	274	6.3	269	3	2	71	8.8	64	5	2
Deaths under 1 year †	-	-	-	-	-	22	26.8	21	1	-	4	30.3	3	-	1
Deaths under 1 month †	-	-	-	-	-	19	23.1	18	1	-	2	15.2	2	-	-
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	2	4.6	2	-	-	1	12.4	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	2.3	1	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	2	4.6	2	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	2	4.6	2	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	4	85.0	4	-	-	32	74.1	32	-	-	14	173.8	13	1	-
Benign and unspecified neoplasms (210-239)	1	21.2	1	-	-	2	4.6	2	-	-	1	12.4	1	-	-
Diabetes mellitus (260)	-	-	-	-	-	4	9.3	4	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	1	2.3	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	3	63.7	3	-	-	41	95.0	41	-	-	13	161.4	13	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	2	4.6	2	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	5	106.2	5	-	-	77	178.4	76	-	1	15	186.2	15	-	-
Other diseases of heart (430-434)	1	21.2	1	-	-	5	11.6	5	-	-	1	12.4	1	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	13	30.1	11	1	1	1	12.4	1	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	3	7.0	3	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	1	2.3	1	-	-	-	-	-	-	-
Pneumonia (490-493)	-	-	-	-	-	4	9.3	4	-	-	5	62.1	3	1	1
Bronchitis (500-502)	1	21.2	1	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	2.3	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	1	2.3	1	-	-	1	12.4	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	2.3	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	2	4.6	2	-	-	1	12.4	1	-	-
Nephritis and nephrosis (590-594)	2	42.5	2	-	-	2	4.6	2	-	-	1	12.4	1	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	4	9.3	4	-	-	1	12.4	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689) †	-	-	-	-	-	1	1.2	1	-	-	1	7.6	-	-	1
Congenital malformations (750-759)	-	-	-	-	-	4	9.3	4	-	-	1	12.4	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	8	18.5	7	1	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	9	20.9	9	-	-	2	24.8	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	-	-	-	-	-	3	7.0	3	-	-	5	62.1	3	2	-
All other diseases (Residual)	-	-	-	-	-	21	48.7	21	-	-	4	49.7	4	-	-
Motor vehicle accidents (E810-E835)	1	21.2	1	-	-	7	16.2	7	-	-	3	37.2	3	-	-
All other accidents (E800-E802, E840-E962)	-	-	-	-	-	16	37.1	15	1	-	2	24.8	2	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	21.2	1	-	-	2	4.6	2	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	COMANCHE					COTTON					CRAIG				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	57,187					9,842					18,263				
Live births*	1510	26.4	1278	136	96	225	22.9	202	9	14	338	18.5	307	20	11
Physician in hospital	1330	...	1182	54	94	170	...	158	-	12	306	...	287	8	11
Physician in home	146	...	89	56	1	51	...	44	5	2	30	...	20	10	-
Midwife, other, or unknown	34	...	7	26	1	4	...	-	4	-	2	...	-	2	-
Stillbirths †	32	21.2	29	1	2	1	4.4	-	1	-	4	11.8	4	-	-
Physician in hospital	30	...	28	-	2	-	...	-	-	-	4	...	4	-	-
Physician in home	2	...	1	1	-	1	...	-	1	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	356	6.2	296	42	18	77	7.8	71	3	3	167	9.1	160	5	2
Deaths under 1 year †	61	40.4	46	12	3	6	26.7	5	-	1	7	20.7	7	-	-
Deaths under 1 month †	47	31.1	39	6	2	5	22.2	5	-	-	6	17.8	6	-	-
Tuberculosis of respiratory system (001-008)	8	14.0	5	1	2	1	10.2	1	-	-	2	11.0	2	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	5	8.7	4	-	1	-	-	-	-	-	1	5.5	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	1.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	3.5	1	1	-	1	10.2	1	-	-	2	11.0	2	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	37	64.7	34	2	1	13	132.1	13	-	-	22	120.5	22	-	-
Benign and unspecified neoplasms (210-239)	1	1.7	-	1	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	3	5.2	2	1	-	3	30.5	3	-	-	3	16.4	3	-	-
Anemias (290-293)	2	3.5	2	-	-	1	10.2	-	-	1	1	5.5	1	-	-
Vascular lesions affecting central nervous system (330-334)	44	76.9	37	4	3	10	101.6	10	-	-	32	175.2	29	3	-
Nonmeningococcal meningitis (340)	1	1.7	-	1	-</										









TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	HASKELL					HUGHES					JACKSON				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	13,313					19,598					19,753				
Live births*	258	19.4	244	1	13	424	21.6	349	21	54	447	22.6	412	33	2
Physician in hospital	60	...	54	2	6	335	...	288	5	42	408	...	390	16	2
Physician in home	195	...	187	1	7	80	...	59	11	10	37	...	22	15	-
Midwife, other, or unknown	3	...	3	-	-	9	...	2	5	2	2	...	2	-	-
Stillbirths	2	7.8	1	-	1	6	14.2	5	1	-	6	13.4	6	-	-
Physician in hospital	2	...	1	-	1	5	...	4	1	-	6	...	6	-	-
Physician in home	-	...	-	-	-	1	...	1	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	105	7.9	96	3	6	189	9.6	159	15	15	193	9.8	179	14	-
Deaths under 1 year	4	15.5	3	1	-	8	18.9	3	2	3	12	26.8	12	-	-
Deaths under 1 month	3	11.6	3	-	-	6	14.2	3	2	1	6	13.4	6	-	-
Tuberculosis of respiratory system (001-008)	2	15.0	1	1	-	5	25.5	3	-	2	3	15.2	3	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	5.1	1	-	-	1	5.1	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	7.5	-	1	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	1	7.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	3	15.3	3	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	20	150.2	20	-	-	22	112.3	20	2	-	24	121.5	23	1	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	5.1	1	-	-	2	10.1	1	1	-
Diabetes mellitus (260)	3	22.5	3	-	-	3	15.3	2	1	-	4	20.3	4	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Vascular lesions affecting central nervous system (330-334)	15	112.8	13	-	2	20	102.1	18	2	-	22	111.4	22	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	2	10.2	2	-	-	2	10.1	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	18	135.2	18	-	-	44	224.5	40	2	2	38	192.4	35	3	-
Other diseases of heart (430-434)	2	15.0	2	-	-	6	30.6	4	1	1	8	40.5	8	-	-
Hypertension with heart disease (440-443)	12	90.1	10	-	2	12	61.2	11	-	1	5	25.3	4	1	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	4	20.4	4	-	-	2	10.1	2	-	-
Influenza (480-483)	2	15.0	2	-	-	1	5.1	1	-	-	1	5.1	1	-	-
Pneumonia (490-493)	4	30.0	3	-	1	3	15.3	3	-	-	6	30.4	6	-	-
Bronchitis (500-502)	-	-	-	-	-	1	5.1	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	5.1	1	-	-	2	10.1	1	1	-
Appendicitis (550-553)	-	-	-	-	-	1	5.1	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	15.0	2	-	-	1	5.1	-	-	1	1	5.1	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	5.1	-	-	1	2	10.1	2	-	-
Cirrhosis of liver (581)	-	-	-	-	-	3	15.3	2	-	1	1	5.1	1	-	-
Nephritis and nephrosis (590-594)	2	15.0	2	-	-	9	45.9	6	2	1	9	45.6	8	1	-
Hyperplasia of prostate (610)	1	7.5	1	-	-	2	10.2	2	-	-	3	15.2	3	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	2	10.2	2	-	-	4	20.3	4	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.5	1	-	-	1	5.1	-	1	-	1	5.1	1	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	7.5	1	-	-	4	20.4	1	1	2	3	15.2	3	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	22.5	2	1	-	8	40.8	7	-	1	2	10.1	2	-	-
All other diseases (Residual)	8	60.1	7	-	1	16	81.6	14	1	1	22	111.4	20	2	-
Motor vehicle accidents (E810-E835)	1	7.5	1	-	-	1	5.1	1	-	-	8	40.5	8	-	-
All other accidents (E800-E802, E840-E962)	6	45.1	6	-	-	10	51.0	7	2	1	10	50.6	10	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	1	5.1	1	-	-	1	5.1	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	3	15.2	-	3	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	JEFFERSON					JOHNSTON					KAY				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	10,623					10,608					49,118				
Live births*	220	20.7	216	4	-	200	18.9	169	10	21	1220	24.8	1137	29	54
Physician in hospital	166	...	163	3	-	114	...	96	1	17	1177	...	1097	28	52
Physician in home	54	...	53	1	-	83	...	73	7	3	43	...	40	1	2
Midwife, other, or unknown	-	...	-	-	-	3	...	2	1	1	-	...	-	-	-
Stillbirths	4	18.2	4	-	-	7	35.0	7	-	-	18	14.8	12	2	4
Physician in hospital	4	...	4	-	-	7	...	7	-	-	17	...	11	2	4
Physician in home	-	...	-	-	-	-	...	-	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	90	8.5	90	-	-	88	8.3	81	3	4	469	9.5	452	6	11
Deaths under 1 year	2	9.1	2	-	-	5	25.0	4	-	1	36	29.5	31	-	5
Deaths under 1 month	2	9.1	2	-	-	3	15.0	3	-	-	28	23.0	25	-	3
Tuberculosis of respiratory system (001-008)	1	9.4	1	-	-	5	47.1	3	-	2	5	10.2	4	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	1	9.4	-	-	1	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	4	8.1	4	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	2	4.1	1	1	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	11	103.5	11	-	-	13	122.5	13	-	-	74	150.7	70	1	3
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	4	8.1	4	-	-
Diabetes mellitus (260)	1	9.4	1	-	-	1	9.4	1	-	-	7	14.3	7	-	-
Anemias (290-293)	1	9.4	1	-	-	-	-	-	-	-	3	6.1	3	-	-
Vascular lesions affecting central nervous system (330-334)	22	207.													



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	KINGFISHER					KIOWA					LATIMER				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	12,515					18,440					9,690				
Live births*	237	18.9	214	18	5	430	23.3	381	28	21	169	17.4	147	5	17
Physician in hospital	223	...	208	10	5	372	...	328	23	21	87	...	73	1	13
Physician in home	12	...	6	6	-	56	...	51	5	-	82	...	74	4	4
Midwife, other, or unknown	2	...	-	2	-	2	...	2	-	-	-	...	-	-	-
Stillbirths †	3	12.7	3	-	-	6	14.0	4	1	1	4	23.7	3	-	1
Physician in hospital	3	...	3	-	-	6	...	4	1	1	3	...	2	-	1
Physician in home	-	...	-	-	-	-	...	-	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	133	10.6	107	24	2	169	9.2	159	8	2	77	7.9	68	2	7
Deaths under 1 year †	6	25.3	4	2	-	14	32.6	13	1	-	5	29.6	5	-	-
Deaths under 1 month †	2	8.4	2	-	-	11	25.6	10	1	-	4	23.7	4	-	-
Tuberculosis of respiratory system (001-008)	2	16.0	1	-	1	3	16.3	3	-	-	5	51.6	4	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	1	5.4	1	-	-	1	10.3	1	-	-
Syphilis and its sequelae (020-029)	1	8.0	-	1	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	1	10.3	1	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	5.4	1	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	1	10.3	1	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	8.0	1	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	19	151.8	16	3	-	19	103.0	18	1	-	8	82.6	8	-	-
Benign and unspecified neoplasms (210-239)	1	8.0	1	-	-	1	5.4	1	-	-	1	10.3	1	-	-
Diabetes mellitus (260)	2	16.0	2	-	-	3	16.3	3	-	-	1	10.3	1	-	-
Anemias (290-293)	1	8.0	1	-	-	1	5.4	-	1	-	1	10.3	1	-	-
Vascular lesions affecting central nervous system (330-334)	15	119.9	10	5	-	25	135.6	23	1	1	12	123.8	11	1	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	16.0	2	-	-	5	27.1	5	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	38	303.6	33	5	-	53	287.4	50	2	1	9	92.9	7	-	2
Other diseases of heart (430-434)	4	32.0	3	1	-	1	5.4	1	-	-	6	61.9	5	-	1
Hypertension with heart disease (440-443)	10	79.9	8	2	-	6	32.5	5	1	-	2	20.6	2	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	2	20.6	1	1	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	6	61.9	6	-	-
Pneumonia (490-493)	3	24.0	3	-	-	4	21.7	3	1	-	6	61.9	6	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	8.0	1	-	-	1	5.4	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	1	5.4	1	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	8.0	-	1	-	2	10.8	2	-	-	1	10.3	1	-	-
Nephritis and nephrosis (590-594)	-	-	-	-	-	2	10.8	2	-	-	4	41.3	2	-	2
Hyperplasia of prostate (610)	-	-	-	-	-	1	5.4	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	1	5.4	1	-	-	1	10.3	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	5	27.1	5	-	-	2	20.6	2	-	-
Infections of the newborn (763-768)	1	8.0	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	8.0	1	-	-	4	21.7	4	-	-	1	10.3	1	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	24.0	-	3	-	5	27.1	5	-	-	-	-	-	-	-
Other diseases (Residual)	12	95.9	10	2	-	8	43.4	8	-	-	8	82.6	7	-	1
Motor vehicle accidents (E810-E835)	8	63.9	8	-	-	4	21.7	4	-	-	2	20.6	2	-	-
All other accidents (E800-E802, E840-E862)	5	40.0	3	1	1	7	38.0	7	-	-	2	20.6	2	-	-
Suicide and self-inflicted injury (E963, E970-E979)	2	16.0	2	-	-	4	21.7	4	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	1	5.4	-	1	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	LEFLORE					LINCOLN					LOGAN				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	35,276					21,173					21,785				
Live births*	707	20.0	647	27	33	393	18.6	356	29	8	440	20.2	322	118	-
Physician in hospital	401	...	373	1	27	241	...	225	9	7	343	...	282	61	-
Physician in home	283	...	265	14	4	137	...	121	15	1	63	...	37	26	-
Midwife, other, or unknown	23	...	9	12	2	15	...	10	5	-	34	...	3	31	-
Stillbirths †	7	9.9	6	1	-	4	10.2	3	1	-	8	18.2	5	3	-
Physician in hospital	4	...	4	-	-	3	...	3	-	-	7	...	4	3	-
Physician in home	3	...	2	1	-	1	...	-	1	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	304	8.6	279	13	12	230	10.9	212	15	3	247	11.3	188	59	-
Deaths under 1 year †	24	35.9	20	1	3	8	20.4	7	1	-	21	47.7	10	11	-
Deaths under 1 month †	19	26.9	15	1	3	6	15.3	5	1	-	13	29.5	6	7	-
Tuberculosis of respiratory system (001-008)	16	45.4	14	2	-	2	9.4	1	-	1	4.6	-	1	-	-
Tuberculosis, other forms (010-019)	1	2.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	1	4.6	1	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	2.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	5.7	2	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	33	93.5	31	2	-	48	226.7	46	2	-	30	137.7	27	3	-
Benign and unspecified neoplasms (210-239)	1	2.8	1	-	-	1	4.7	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	4	11.3	4	-	-	6	27.8	6	2	-	6	27.5	6	-	-
Anemias (290-293)	1	2.8	1	-	-	1	4.6	1	-	-	1	4.6	1	-	-
Vascular lesions affecting central nervous system (330-334)	43	121.9													



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	LOVE					McCLAIN					McCURTAIN				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	7,721					14,116					31,588				
Live births*	123	15.9	113	9	1	290	20.5	279	9	2	631	20.0	426	135	70
Physician in hospital	60	...	59	-	1	216	...	213	1	2	267	...	207	10	50
Physician in home	63	...	54	9	-	66	...	64	2	-	270	...	210	45	15
Midwife, other, or unknown.	-	-	-	-	-	8	...	2	6	-	94	...	9	80	5
Stillbirths †	1	8.1	-	1	-	3	10.3	3	-	-	11	17.4	6	5	-
Physician in hospital	1	...	-	1	-	2	...	2	-	-	1	...	1	-	-
Physician in home	-	-	-	-	-	1	...	1	-	-	8	...	4	4	-
Midwife, other, or unknown.	-	-	-	-	-	-	-	-	-	-	2	...	1	1	-
Total deaths, all causes*	60	7.8	58	1	1	113	8.0	106	5	2	269	8.5	175	67	27
Deaths under 1 year †	2	16.3	2	-	-	8	27.6	8	-	-	26	41.2	12	12	2
Deaths under 1 month †	2	16.3	2	-	-	4	13.8	4	-	-	12	19.0	7	4	1
Tuberculosis of respiratory system (001-008)	1	13.0	1	-	-	2	14.2	2	-	-	11	34.8	5	4	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	-	1
Syphilis and its sequelae (020-029)	1	13.0	1	-	-	-	-	-	-	-	1	3.2	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	1	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	2	6.3	-	-	2
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	1	3.2	1	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	2	14.2	2	-	-	1	3.2	-	1	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	8	103.6	8	-	-	17	120.4	17	-	-	36	114.0	23	11	2
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	7	22.2	5	2	-
Diabetes mellitus (260)	2	25.9	1	-	1	-	-	-	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	10	129.5	10	-	-	18	127.5	15	2	1	36	114.0	23	10	3
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	7.1	1	-	-	1	3.2	1	-	-
Rheumatic fever (400-402)	1	13.0	1	-	-	-	-	-	-	-	2	6.3	2	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	13	168.4	13	-	-	34	240.9	33	1	-	71	224.8	53	12	6
Other diseases of heart (430-434)	4	51.8	3	1	-	2	14.2	2	-	-	8	25.3	7	1	1
Hypertension with heart disease (440-443)	5	64.8	5	-	-	5	35.4	5	-	-	8	25.3	5	2	1
Hypertension without mention of heart (444-447)	1	13.0	1	-	-	-	-	-	-	-	1	3.2	1	-	-
Influenza (480-483)	-	-	-	-	-	1	7.1	1	-	-	1	3.2	-	1	-
Pneumonia (490-493)	1	13.0	1	-	-	3	21.3	3	-	-	14	44.3	6	5	3
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	1	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	13.0	1	-	-	-	-	-	-	-	1	3.2	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	1	3.2	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	1	-
Nephritis and nephrosis (590-594)	-	-	-	-	-	-	-	-	-	-	6	19.0	5	-	1
Hyperplasia of prostate (610)	1	13.0	1	-	-	3	21.3	2	1	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689) †	-	-	-	-	-	1	3.4	-	1	-	1	1.6	-	-	1
Congenital malformations (750-759)	1	13.0	1	-	-	2	14.2	2	-	-	3	9.5	2	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	13.0	1	-	-	1	7.1	1	-	-	2	6.3	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	2	14.2	2	-	-	6	19.0	3	2	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	25.9	2	-	-	-	-	-	-	-	5	15.8	3	1	1
All other diseases (Residual)	4	51.8	4	-	-	9	63.8	9	-	-	7	22.2	4	2	1
Motor vehicle accidents (E810-E835)	3	38.9	3	-	-	2	14.2	2	-	-	8	25.3	6	1	1
All other accidents (E800-E802, E840-E962)	-	-	-	-	-	8	56.7	7	-	1	15	47.5	9	6	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	5	15.8	5	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	3	9.5	1	2	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	McINTOSH					MAJOR					MARSHALL				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	17,045					10,070					8,177				
Live births*	345	20.2	242	68	35	219	21.7	219	-	-	161	19.7	148	4	9
Physician in hospital	193	...	163	4	26	193	...	193	-	-	152	...	141	3	8
Physician in home	100	...	66	31	3	26	...	26	-	-	8	...	7	-	1
Midwife, other, or unknown.	52	...	13	33	6	-	...	-	-	-	1	...	-	-	1
Stillbirths †	6	17.4	5	-	1	4	18.3	4	-	-	4	...	4	-	-
Physician in hospital	5	...	4	-	1	3	...	3	-	-	4	...	4	-	-
Physician in home	1	...	1	-	-	1	...	1	-	-	-	...	-	-	-
Midwife, other, or unknown.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total deaths, all causes*	158	9.3	105	38	15	103	10.2	103	-	-	80	9.8	76	-	4
Deaths under 1 year †	19	55.1	7	9	3	7	32.0	7	-	-	3	18.6	1	-	2
Deaths under 1 month †	11	31.9	5	5	1	5	22.8	5	-	-	1	6.2	1	-	-
Tuberculosis of respiratory system (001-008)	6	35.2	2	4	-	1	9.9	1	-	-	1	12.2	1	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	2	24.5	1	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	2	11.7	-	2	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	5.9	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	9.9	1	-	-	1	12.2	1	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	5.9	1	-	-	1	9.9	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	14	82.1	12	1	1	15	149.0	15	-	-	13	159.0	13	-	-
Benign and unspecified neoplasms (210-239)	1	5.9	1	-	-	4	39.7	4	-	-	1	12.2	1	-	-
Diabetes mellitus (260)	-	-	-	-	-	2	19.9	2	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	16	93.9	13	3	-	14	139.0	14	-	-					



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	MAYES					MURRAY					MUSKOGEE				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	19,743					10,775					65,530				
Live births*	413	20.9	306	4	103	236	21.9	225	6	5	1353	20.6	1085	243	25
Physician in hospital	319	...	218	3	98	217	...	207	5	5	1065	...	985	59	21
Physician in home	88	...	87	1	1	18	...	18	1	1	166	...	95	69	2
Midwife, other, or unknown	6	...	1	1	4	1	...	1	1	1	122	...	5	115	2
Stillbirths †	6	14.5	5	1	1	6	25.4	4	2	1	23	17.0	15	7	1
Physician in hospital	5	...	4	1	1	6	...	4	2	1	20	...	15	4	1
Physician in home	1	...	1	1	1	1	...	1	1	1	1	...	1	1	1
Midwife, other, or unknown	1	...	1	1	1	1	...	1	1	1	2	...	1	2	1
Total deaths, all causes*	168	8.4	155	1	12	129	12.0	126	2	1	714	10.9	528	175	11
Deaths under 1 year †	11	26.6	9	2	2	6	25.4	5	1	1	67	49.5	40	26	1
Deaths under 1 month †	6	14.5	4	2	2	5	21.2	4	1	1	46	34.0	30	16	1
Tuberculosis of respiratory system (001-008)	4	20.3	3	1	1	4	37.1	4	1	1	11	16.8	6	3	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	2	3.1	1	1	1
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	9.3	1	-	-	4	6.1	2	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	1	1.5	1	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	2	3.1	2	-	-
Whooping cough (056)	1	5.1	-	-	1	-	-	-	-	-	2	3.1	2	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	2	3.1	2	-	-
Acute poliomyelitis (080)	-	-	-	-	-	1	9.3	1	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	5.1	1	-	-	-	-	-	-	-	2	3.1	1	1	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	22	111.4	21	-	1	18	167.1	17	1	-	100	152.6	91	7	2
Benign and unspecified neoplasms (210-239)	4	20.3	4	-	-	1	9.3	1	-	-	8	12.2	7	1	-
Diabetes mellitus (260)	2	10.1	2	-	-	-	-	-	-	-	6	9.2	6	-	-
Anemias (290-293)	20	101.3	19	-	1	17	157.8	17	-	-	81	123.6	59	21	1
Vascular lesions affecting central nervous system (330-334)	1	5.1	1	-	-	-	-	-	-	-	1	1.5	1	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	5	7.6	4	1	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	1.5	1	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	1	9.3	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	38	192.5	37	-	1	36	334.1	36	-	-	148	225.9	130	18	-
Other diseases of heart (430-434)	4	20.3	4	-	-	2	18.6	2	-	-	19	29.0	13	6	-
Hypertension with heart disease (440-443)	11	55.7	9	-	2	4	37.1	4	-	-	46	70.2	36	9	1
Hypertension without mention of heart (444-447)	1	5.1	1	-	-	-	-	-	-	-	11	16.8	2	8	1
Influenza (480-483)	-	-	-	-	-	1	9.3	1	-	-	2	3.1	1	1	-
Pneumonia (490-493)	8	40.5	6	-	2	4	37.1	4	-	-	12	18.3	6	6	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	3	4.6	2	1	-
Ulcer of stomach and duodenum (540, 541)	1	5.1	1	-	-	1	9.3	1	-	-	2	3.1	2	-	-
Appendicitis (550-553)	2	10.1	2	-	-	-	-	-	-	-	1	1.5	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	5.1	1	-	-	1	9.3	1	-	-	11	16.8	5	6	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	9.3	1	-	-	6	9.2	3	3	-
Cirrhosis of liver (581)	1	5.1	1	-	-	1	9.3	1	-	-	2	3.1	1	1	-
Nephritis and nephrosis (590-594)	1	5.1	1	-	-	1	9.3	1	-	-	17	25.9	10	6	1
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	6	9.2	3	2	1
Complications of pregnancy, childbirth and the puerperium (640-689) †	1	2.4	1	-	-	-	-	-	-	-	6	4.4	1	5	-
Congenital malformations (750-759)	1	5.1	-	-	-	1	9.3	1	-	-	6	9.2	6	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	15.2	2	-	1	2	18.6	1	1	-	9	13.7	9	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	9.3	1	-	-	2	3.1	1	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	10.1	1	-	1	1	9.3	1	-	-	26	39.7	15	11	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	25.3	5	-	-	4	37.1	3	-	1	26	39.7	16	10	-
All other diseases (Residual)	15	76.0	15	-	-	7	65.0	7	-	-	52	79.4	29	23	-
Motor vehicle accidents (E810-E835)	6	30.4	5	-	1	6	55.7	6	-	-	19	29.0	15	4	-
All other accidents (E800-E802, E840-E962)	9	45.6	9	-	-	8	74.2	8	-	-	45	68.7	33	10	2
Suicide and self-inflicted injury (E963, E970-E979)	2	10.1	2	-	-	2	18.6	2	-	-	6	9.2	5	1	-
Homicide and operations of war (E964, E965, E980-E999)	1	5.1	1	-	-	2	18.6	2	-	-	2	3.1	-	2	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	NOBLE					NOWATA					OKFUSKES				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	11,822					12,734					15,782				
Live births*	226	19.1	206	7	13	230	18.1	209	17	4	337	21.4	216	86	35
Physician in hospital	182	...	167	4	11	209	...	192	13	4	207	...	169	9	29
Physician in home	44	...	39	3	2	18	...	16	2	-	107	...	47	54	6
Midwife, other, or unknown	-	-	-	-	-	3	...	1	2	-	23	...	-	23	-
Stillbirths †	1	4.4	1	-	-	-	-	-	-	-	6	17.8	3	2	1
Physician in hospital	1	...	1	-	-	-	-	-	-	-	6	...	3	2	1
Physician in home	-	-	-	-	-	-	-	-	-	-	6	...	3	2	1
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total deaths, all causes*	126	10.7	113	5	8	132	10.4	107	25	-	180	11.4	122	39	19
Deaths under 1 year †	4	17.7	3	-	1	7	30.4	5	2	-	17	50.4	11	2	4
Deaths under 1 month †	2	8.8	1	-	1	5	21.7	4	1	-	11	32.6	9	1	1
Tuberculosis of respiratory system (001-008)	2	16.9	-	-	2	1	7.9	-	1	-	5	31.7	2	1	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	8.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	2	15.7	2	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	1	8.5	1	-	-	2	15.7	1	1	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	8.5	-	-	1	-	-	-	-	-	1	6.3	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	8.5	1	-	-	-	-	-	-	-	2	12.7	1	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	24	203.0	23	1	-	19	149.2	17	2	-	20	126.7	12	5	3
Benign and unspecified neoplasms (210-239)	2	16.9	2	-	-	2	15.7	2	-	-	2	12.7	1	1	-
Diabetes mellitus (260)	1	8.5	1	-	-	1									



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	OKLAHOMA				OKMULGEE				OSAGE			
	Total		Race		Total		Race		Total		Race	
	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.
Estimated population, July 1, 1951	335,501				43,868				32,017			
Live births*	9400	28.0	8384	928	88	959	21.9	754	146	59	601	18.8
Physician in hospital	9251	...	8267	897	87	778	...	681	39	58	490	...
Physician in home	117	...	96	20	1	106	...	66	39	1	107	...
Midwife, other, or unknown	32	...	21	11	...	75	...	7	68	...	4	...
Stillbirths	148	15.7	121	25	2	19	19.8	14	4	1	7	11.6
Physician in hospital	142	...	115	25	2	14	...	9	4	1	4	...
Physician in home	4	...	4	...	...	5	...	...	...	...	1	...
Midwife, other, or unknown	2	...	2	...	...	...	...	...	...	...	1	...
Total deaths, all causes*	2728	8.1	2402	308	18	431	9.8	325	84	22	308	9.6
Deaths under 1 year	278	29.6	229	44	5	48	50.1	26	14	8	20	33.3
Deaths under 1 month	208	22.1	174	31	3	30	31.3	17	7	6	17	28.3
Tuberculosis of respiratory system (001-008)	49	14.6	36	11	2	9	20.5	5	4	...	2	6.2
Tuberculosis, other forms (010-019)	4	1.2	2	1	1	...	...	...	...	...	4	12.5
Syphilis and its sequelae (020-029)	18	5.4	13	4	1	4	9.1	3	...	...	...	...
Typhoid fever (040)	1	0.3	1	...	...	...	...	...	...	...	...	...
Dysentery, all forms (045-048)	1	0.3	1	...	...	...	...	...	...	...	...	...
Scarlet fever and streptococcal sore throat (050, 051)	1	0.3	1	...	...	1	2.3	...	...	...	...	...
Diphtheria (055)	1	0.3	1	...	...	1	2.3	...	...	...	...	...
Whooping cough (056)	2	0.6	2	...	...	...	...	...	...	...	...	...
Meningococcal infections (057)	7	2.1	7	...	...	...	...	...	...	...	...	...
Acute poliomyelitis (080)	1	0.3	1	...	...	1	2.3	...	...	...	...	...
Smallpox (084)	1	0.3	1	...	...	...	...	...	...	...	...	...
Measles (085)	1	0.3	1	...	...	...	...	...	...	...	...	...
Typhus and other rickettsial diseases (100-108)	...	...	...	...	...	...	...	...	...	...	...	...
Malaria (110-117)	...	...	...	...	...	...	...	...	...	...	...	...
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	10	3.0	9	1	...	2	4.6	2	...	...	1	3.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	391	116.5	342	48	1	67	152.7	54	9	4	41	128.1
Benign and unspecified neoplasms (210-239)	9	2.7	3	6	...	2	4.6	2	...	...	2	6.2
Diabetes mellitus (260)	39	11.6	35	4	...	7	16.0	3	3	1	9	28.1
Anemias (290-293)	6	1.8	6	...	...	1	2.3	1	...	...	...	...
Vascular lesions affecting central nervous system (330-334)	359	107.0	331	26	2	56	127.7	41	14	1	40	124.9
Nonmeningococcal meningitis (340)	3	0.9	3	...	...	1	2.3	1	...	...	...	...
Rheumatic fever (400-402)	2	0.6	2	...	...	2	4.6	1	1	...	2	6.2
Chronic rheumatic heart disease (410-416)	28	8.3	26	2	...	2	4.6	1	1	...	2	6.2
Arteriosclerotic and degenerative heart disease (420-422)	580	172.9	554	25	1	69	157.3	60	6	3	66	206.1
Other diseases of heart (430-434)	134	39.9	113	21	...	8	18.2	7	...	...	8	25.0
Hypertension with heart disease (440-443)	95	28.3	74	20	1	32	72.9	28	4	...	13	40.6
Hypertension without mention of heart (444-447)	28	8.3	24	4	...	3	6.8	3	...	...	2	6.2
Influenza (480-483)	5	1.5	5	...	...	5	11.4	4	...	...	1	3.1
Pneumonia (490-493)	69	20.6	63	4	2	19	43.3	11	7	1	6	18.7
Bronchitis (500-502)	2	0.6	2	...	...	2	4.6	1	1	...	...	...
Ulcer of stomach and duodenum (540, 541)	10	3.0	8	2	...	2	4.6	2	...	...	...	...
Appendicitis (550-553)	2	0.6	1	1	...	2	4.6	2	...	...	...	...
Intestinal obstruction and hernia (560, 561, 570)	23	6.9	19	3	1	3	6.8	2	1	...	1	3.1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	14	4.2	10	4	...	6	13.7	3	2	1	5	15.6
Cirrhosis of liver (581)	24	7.2	24	...	...	2	4.6	2	...	...	12	37.5
Nephritis and nephrosis (590-594)	59	17.6	39	20	...	23	52.4	17	5	1	11	34.4
Hyperplasia of prostate (610)	16	4.8	13	3	...	1	2.3	1	...	...	1	3.1
Complications of pregnancy, childbirth and the puerperium (640-689)	2	0.2	2	...	...	2	2.1	1	1	...	3	9.4
Congenital malformations (750-759)	50	14.9	43	6	1	6	13.7	5	1	...	11	34.4
Birth injuries, postnatal asphyxia and atelectasis (760-762)	100	29.8	85	13	2	5	11.4	4	1	...	11	34.4
Infections of the newborn (763-768)	2	0.9	1	1	...	...	...	...	...	...	...	...
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	70	20.9	57	13	...	17	38.8	11	2	4	4	12.5
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	51	15.2	45	5	1	17	38.8	8	8	1	12	37.5
All other diseases (Residual)	216	64.4	198	18	...	23	52.4	16	7	...	25	78.1
Motor vehicle accidents (E810-E835)	83	24.7	69	12	2	6	13.7	5	1	1	13	40.6
All other accidents (E800-E802, E840-E962)	106	31.6	90	16	...	18	41.0	15	1	...	5	15.6
Suicide and self-inflicted injury (E963, E970-E979)	30	8.9	28	2	...	4	9.1	3	1	...	1	3.1
Homicide and operations of war (E964, E965, E980-E999)	26	7.7	14	12	...	3	6.8	2	1	...	1	3.1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	OTTAWA				PAWNEE				PAYNE				
	Total		Race		Total		Race		Total		Race		
	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	
Estimated population, July 1, 1951	31,764				13,143				47,726				
Live births*	679	21.4	664	15	264	20.1	221	10	33	1009	21.1	963	36
Physician in hospital	571	...	556	15	248	...	206	10	32	981	...	936	35
Physician in home	108	...	108	...	15	...	15	...	15	...	15	...	
Midwife, other, or unknown	...	...	...	...	1	...	1	...	1	...	1	...	
Stillbirths	12	17.7	12	...	4	15.2	4	...	9	8.9	9	...	
Physician in hospital	10	...	10	...	4	...	4	...	8	...	8	...	
Physician in home	1	...	1	...	...	...	...	...	1	...	1	...	
Midwife, other, or unknown	1	...	1	...	...	...	...	...	...	...	...	...	
Total deaths, all causes*	348	11.0	338	10	153	11.6	141	5	7	304	6.4	286	17
Deaths under 1 year	17	25.0	16	...	1	49.2	10	1	2	26	25.8	23	3
Deaths under 1 month	14	20.6	13	...	1	41.7	9	1	1	18	17.8	17	1
Tuberculosis of respiratory system (001-008)	28	88.2	27	...	3	22.8	3	...	4	8.4	3	...	
Tuberculosis, other forms (010-019)	...	...	...	...	...	...	...	...	...	...	...	...	
Syphilis and its sequelae (020-029)	1	3.1	1	...	1	7.6	1	...	2	4.2	2	...	
Typhoid fever (040)	...	...	...	...	...	...	...	...	...	...	...	...	
Dysentery, all forms (045-048)	...	...	...	...	...	...	...	...	...	...	...	...	
Scarlet fever and streptococcal sore throat (050, 051)	...	...	...	...	...	...	...	...	...	...	...	...	
Diphtheria (055)	...	...	...	...	...	...	...	...	...	...	...	...	
Whooping cough (056)	1	7.6	...	...	1	...	...	...	1	...	...	...	
Meningococcal infections (057)	...	...	...	...	...	...	...	...	2	4.2	2	...	
Acute poliomyelitis (080)	...	...	...	...	...	...	...	...	...	...	...	...	
Smallpox (084)	...	...	...	...	...	...	...	...	...	...	...	...	
Measles (085)	2	6.3	2	...	...	...	...	...	...	...	...	...	
Typhus and other rickettsial diseases (100-108)	...	...	...	...	...	...	...	...	...	...	...	...	
Malaria (110-117)	...	...	...	...	...	...	...	...	...	...	...	...	
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	...	...	...	...	2	15.2	1	...	1	2.1	1	...	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	45	141.7	45	...	27	205.4	25	2	...	51	106.9	49	2
Benign and unspecified neoplasms (210-239)	4	12.6	4	...	...	...	...	...	2	4.2	2	...	
Diabetes mellitus (260)	5	15.7	5	...	3	22.8	2	...	4	8.4	4	...	
Anemias (290-293)	1	3.1	1	...	2	15.2	1	...	...	...	...	...	
Vascular lesions affecting central nervous system (330-334)	39	122.8	38	1	19	144.6	19	...	34	71.2	32	2	
Nonmeningococcal meningitis (340)	1	3.1	1	...	...	...	...	...	1	2.1	1	...	
Rheumatic fever (400-402)	...	...	...	...	...	...	...	...	...	...	...	...	
Chronic rheumatic heart disease (410-416)	1	3.1	1	...	4	30.4	3	...	6	12.6	6	...	
Arteriosclerotic and degenerative heart disease (420-422)	72	226.7	67	5	34	258.7	34	...	68	142.5	65	3	
Other diseases of heart (430-434)	7	22.0	6	...	3	22.8	3	...	7	14.7	6	1	
Hypertension with heart disease (440-443)	11	34.6	11	...	4	30.4	4	...	11	23.0	11	...	
Hypertension without mention of heart (444-447)	2	6.3	2	...	1	7.6	1	...	3	6.3	3	...	
Influenza (480-483)	2	6.3	2	...	...	...	...	...	1	2.1	1	...	
Pneumonia (490-493)	7	22.0	7	...	5	38.0	5	...	9	18.9	6	2	
Bronchitis (500-502)	...	...	...	...	...	...	...	...	2	4.2	1	1	
Ulcer of stomach and duodenum (540, 541)	...	...	...	...	1	7.6	1	...	1	2.1			



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	PITTSBURG						PONTOTOC						POTTAWATOMIE					
	Total		Race				Total		Race				Total		Race			
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.			
Estimated population, July 1, 1951	40,037					30,875					42,159							
Live births*	868	21.8	779	55	34	679	22.0	634	19	26	922	21.9	849	38	35			
Physician in hospital	733	...	669	40	24	604	...	572	13	19	893	...	827	32	34			
Physician in home	101	...	85	8	8	75	...	62	6	7	24	...	21	3	-			
Midwife, other, or unknown	34	...	25	7	2	-	...	-	-	-	5	...	1	3	1			
Stillbirths †	16	18.4	13	3	-	15	22.1	12	2	1	13	14.1	11	1	1			
Physician in hospital	13	...	11	2	-	12	...	11	1	-	13	...	11	1	1			
Physician in home	3	...	2	1	-	3	...	1	2	-	-	...	-	-	-			
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-			
Total deaths, all causes*	354	8.8	317	30	7	304	9.8	277	11	16	452	10.7	417	18	17			
Deaths under 1 year †	26	30.0	23	2	1	26	38.3	23	-	3	21	22.8	16	1	4			
Deaths under 1 month †	18	20.7	16	1	1	18	26.5	18	-	-	17	18.4	14	1	2			
Tuberculosis of respiratory system (001-008)	1	2.5	1	-	-	7	22.7	5	-	2	8	19.0	8	-	-			
Tuberculosis, other forms (010-019)	2	5.0	1	1	-	1	3.2	1	-	-	3	7.1	2	-	1			
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Diphtheria (055)	2	5.0	2	-	-	1	3.2	-	-	1	-	-	-	-	-			
Whooping cough (056)	1	2.5	1	-	-	-	-	-	-	-	1	2.4	1	-	-			
Meningococcal infections (057)	1	2.5	1	-	-	-	-	-	-	-	-	-	-	-	-			
Acute poliomyelitis (080)	1	2.5	1	-	-	-	-	-	-	-	-	-	-	-	-			
Smallpox (084)	2	5.0	1	1	-	1	3.2	1	-	-	-	-	-	-	-			
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	2	4.7	2	-	-			
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	2.5	1	-	-	-	-	-	-	-	3	7.1	2	1	-			
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	53	132.4	49	2	2	39	126.3	37	1	1	58	137.6	55	3	-			
Benign and unspecified neoplasms (210-239)	1	2.5	1	-	-	1	3.2	1	-	-	2	4.7	2	-	-			
Diabetes mellitus (260)	7	17.5	6	1	-	5	16.2	4	-	1	9	21.3	9	-	-			
Anemias (290-293)	2	5.0	2	-	-	-	-	-	-	-	1	2.4	1	-	-			
Vascular lesions affecting central nervous system (330-334)	58	144.9	53	4	1	45	145.7	45	-	-	79	187.4	77	2	-			
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	2.4	1	-	-			
Rheumatic fever (400-402)	3	7.5	2	1	-	2	6.5	1	1	-	5	11.9	5	-	-			
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arteriosclerotic and degenerative heart disease (420-422)	63	157.4	56	5	2	72	233.2	69	2	1	114	270.4	107	5	2			
Other diseases of heart (430-434)	10	25.0	9	1	-	4	13.0	3	-	1	11	26.1	11	-	3			
Hypertension with heart disease (440-443)	21	52.5	17	4	-	13	42.1	11	2	-	19	45.1	16	-	3			
Hypertension without mention of heart (444-447)	3	7.5	3	-	-	2	6.5	2	-	-	5	11.9	5	-	-			
Influenza (480-483)	3	7.5	3	-	-	4	13.0	4	-	-	3	7.1	3	1	-			
Pneumonia (490-493)	17	42.5	15	1	1	15	48.6	12	1	2	5	11.9	3	-	2			
Bronchitis (500-502)	2	5.0	2	-	-	-	-	-	-	-	-	-	-	-	-			
Ulcer of stomach and duodenum (540, 541)	1	2.5	1	-	-	1	3.2	1	-	-	3	7.1	3	-	-			
Appendicitis (550-553)	1	2.5	-	-	1	-	-	-	-	-	2	4.7	2	-	-			
Intestinal obstruction and hernia (560, 561, 570)	3	7.5	2	1	-	-	-	-	-	-	3	7.1	2	1	-			
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	2.5	1	-	-	1	3.2	1	-	-	-	-	-	-	-			
Cirrhosis of liver (581)	-	-	-	-	-	2	6.5	1	-	1	4	9.5	4	-	-			
Nephritis and nephrosis (590-594)	2	5.0	1	1	-	3	9.7	3	-	-	11	26.1	11	-	-			
Hyperplasia of prostate (610)	1	2.5	1	-	-	-	-	-	-	-	3	7.1	2	1	-			
Complications of pregnancy, childbirth and the puerperium (640-689) †	2	2.3	2	-	-	1	1.5	1	-	-	2	2.2	-	-	2			
Congenital malformations (750-759)	5	12.5	5	-	-	1	3.2	1	-	-	4	9.5	3	-	1			
Birth injuries, postnatal asphyxia and atelectasis (760-762)	5	12.5	4	1	-	8	25.9	8	-	-	6	14.2	6	-	-			
Infections of the newborn (763-768)	-	-	-	-	-	1	3.2	1	-	-	-	-	-	-	-			
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	8	20.0	8	-	-	9	29.1	9	-	-	9	21.3	7	1	1			
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	11	27.5	10	1	-	10	32.4	6	1	3	7	16.6	6	1	-			
All other diseases (Residual)	31	77.4	30	1	-	27	87.4	25	-	2	42	99.6	38	2	2			
Motor vehicle accidents (E810-E835)	9	22.5	9	-	-	13	42.1	12	1	-	13	30.8	11	-	2			
All other accidents (E800-E802, E840-E962)	16	40.0	13	3	-	11	35.6	9	1	1	11	26.1	10	-	1			
Suicide and self-inflicted injury (E963, E970-E979)	3	7.5	3	-	-	1	3.2	1	-	-	2	4.7	2	-	-			
Homicide and operations of war (E964, E965, E980-E999)	2	5.0	1	1	-	3	9.7	3	-	-	-	-	-	-	-			

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	PUSHMATAHA						ROGER MILLS						ROGERS					
	Total		Race				Total		Race				Total		Race			
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.			
Estimated population, July 1, 1951	12,001					6,977					19,532							
Live births*	187	15.6	158	3	26	153	21.9	147	-	6	372	19.0	348	7	17			
Physician in hospital	74	...	55	-	19	31.3	...	139	-	6	31.3	...	294	2	17			
Physician in home	106	...	100	2	4	8	...	8	-	-	57	...	53	4	-			
Midwife, other, or unknown	7	...	3	1	3	2	...	2	-	-	2	...	1	1	-			
Stillbirths †	3	16.0	3	-	-	2	13.1	2	-	-	9	24.2	8	1	-			
Physician in hospital	1	...	1	-	-	2	...	2	-	-	9	...	8	1	-			
Physician in home	2	...	2	-	-	-	...	-	-	-	-	...	-	-	-			
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-			
Total deaths, all causes*	114	9.5	99	2	13	55	7.9	54	1	-	188	9.6	178	7	3			
Deaths under 1 year †	6	32.1	5	-	1	4	26.1	4	-	-	19	51.1	16	3	-			
Deaths under 1 month †	3	16.0	3	-	-	4	26.1	4	-	-	11	29.6	9	2	-			
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	3	15.4	3	-	-			
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Measles (085)	1	8.3	-	-	1	-	-	-	-	-	-	-	-	-	-			
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	18	150.0	15	-	3	11	157.7	11	-	-	22	112.6	21	1	-			
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	2	10.2	2	-	-	2	10.2	2	-	-			
Diabetes mellitus (260)	1	8.3	-	-	1	-	-	-	-	-	1	5.1	1	-	-			



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	SEMINOLE					SEQUOYAH					STEPHENS				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	38,106					19,773					34,444				
Live births*	708	18.6	551	86	71	381	19.3	324	23	34	842	24.4	819	18	5
Physician in hospital	632	...	526	38	68	305	...	266	9	30	819	...	798	17	4
Physician in home	36	...	22	12	2	52	...	48	3	1	20	...	18	1	1
Midwife, other, or unknown	40	...	3	36	1	24	...	10	11	3	3	...	3	-	-
Stillbirths †	10	14.1	9	-	1	7	18.4	5	1	1	8	9.5	7	1	-
Physician in hospital	9	...	8	-	1	7	...	5	1	1	7	...	6	1	-
Physician in home	1	...	1	-	-	...	...	-	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	321	8.4	261	30	30	177	9.0	149	14	14	314	9.1	305	9	-
Deaths under 1 year †	28	39.5	18	5	5	15	39.4	12	1	2	20	23.8	20	-	-
Deaths under 1 month †	17	24.0	12	4	1	11	28.9	10	-	1	19	22.6	19	-	-
Tuberculosis of respiratory system (001-008)	7	18.4	2	2	3	7	35.4	5	1	1	7	5.8	1	1	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	2	5.8	2	-	-
Syphilis and its sequelae (020-029)	2	5.2	1	1	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	2	5.2	-	1	1	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	2.6	1	-	-	2	10.1	2	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	5.1	-	-	1	1	2.9	1	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	2.6	-	1	-	1	5.1	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	37	97.1	34	1	2	21	106.2	16	2	3	43	124.8	41	2	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	2.9	1	-	-
Diabetes mellitus (260)	7	18.4	5	1	1	3	15.2	3	-	-	5	14.5	5	-	-
Anemias (290-293)	1	2.6	1	-	-	2	10.1	2	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	36	94.5	33	2	1	16	80.9	13	3	-	47	136.5	47	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	2.6	1	-	-	1	5.1	1	-	-	6	17.4	6	-	-
Chronic rheumatic heart disease (410-416)	3	7.9	3	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	70	183.7	63	1	6	38	192.2	35	2	1	81	235.2	80	1	-
Other diseases of heart (430-434)	5	13.1	4	1	-	2	10.1	2	-	-	7	20.3	6	1	-
Hypertension with heart disease (440-443)	24	63.0	21	3	-	13	65.7	12	1	-	8	23.2	6	2	-
Hypertension without mention of heart (444-447)	9	23.6	6	2	1	1	5.1	1	-	-	2	5.8	2	-	-
Influenza (480-483)	5	13.1	5	-	-	1	5.1	1	-	-	1	2.9	1	-	-
Pneumonia (490-493)	6	15.7	2	2	2	8	40.5	7	-	1	7	20.3	7	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	2.9	1	-	-
Ulcer of stomach and duodenum (540, 541)	1	2.6	1	-	-	1	5.1	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	1	5.1	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	5.2	2	-	-	4	20.2	2	1	1	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	4	10.5	4	-	-	-	-	-	-	-	4	11.6	4	-	-
Cirrhosis of liver (581)	-	-	-	-	-	1	5.1	1	-	-	6	17.4	6	-	-
Nephritis and nephrosis (590-594)	8	21.0	5	2	1	4	20.2	3	1	-	-	-	-	-	-
Hyperplasia of prostate (610)	2	5.2	1	1	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689) †	-	-	-	-	-	1	2.6	-	-	1	1	1.2	-	1	-
Congenital malformations (750-759)	6	15.7	5	-	1	6	30.3	5	1	-	5	14.5	5	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	4	10.5	4	-	-	2	10.1	2	-	-	5	14.5	5	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	5	13.1	3	2	-	3	15.2	3	-	-	10	29.0	10	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	20	52.5	10	5	5	9	45.5	7	-	2	8	23.2	8	-	-
All other diseases (Residual)	16	42.0	14	1	1	10	50.6	9	-	1	24	69.7	24	-	-
Motor vehicle accidents (E810-E835)	14	36.7	13	-	1	7	35.4	5	-	2	19	55.2	18	1	-
All other accidents (E800-E802, E840-E962)	18	47.2	15	1	2	8	40.5	7	1	-	12	34.8	12	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	2.6	1	-	-	1	5.1	1	-	-	3	8.7	3	-	-
Homicide and operations of war (E964, E965, E980-E999)	3	7.9	1	-	2	2	10.1	1	1	-	3	8.7	3	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	TEXAS					TILLMAN					TULSA				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	14,778					17,203					258,976				
Live births*	347	23.5	345	-	2	381	22.1	316	64	1	6378	24.6	5732	556	90
Physician in hospital	341	...	339	-	2	281	...	266	15	-	6009	...	5547	373	89
Physician in home	6	...	6	-	-	83	...	48	34	1	214	...	181	32	1
Midwife, other, or unknown	4	...	-	-	-	17	...	2	15	-	155	...	4	151	-
Stillbirths †	4	11.5	4	-	-	7	18.4	6	1	-	85	13.3	68	16	1
Physician in hospital	4	...	4	-	-	6	...	6	-	-	75	...	64	10	1
Physician in home	-	...	-	-	-	-	...	-	-	-	4	...	3	1	-
Midwife, other, or unknown	-	...	-	-	-	1	...	-	1	-	6	...	1	5	-
Total deaths, all causes*	80	5.4	80	-	-	190	11.0	163	27	-	2235	8.6	1912	305	18
Deaths under 1 year †	9	25.9	9	-	-	15	39.4	9	6	-	194	30.4	155	36	3
Deaths under 1 month †	8	23.1	8	-	-	5	13.1	3	2	-	149	23.4	125	23	1
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	3	17.4	2	1	-	44	17.0	34	10	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	7	2.7	6	1	-
Syphilis and its sequelae (020-029)	1	6.8	1	-	-	-	-	-	-	-	16	6.2	13	3	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	5.8	1	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	2	11.6	2	-	-	1	0.4	1	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	1	0.4	1	-	-
Acute poliomyelitis (080)	-	-	-	-	-	1	5.8	1	-	-	9	3.5	9	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	3	1.2	2	-	1
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	13.5	2	-	-	-	-	-	-	-	5	1.9	5	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	9	60.9	9	-	-	26	151.1	25	1	-	298	115.1	272	22	4
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	9	3.5	7	2	-	9	3.5	7	2	-
Diabetes mellitus (260)	1	6.8	1	-	-	3	17.4	3	-	-	28	10.8	26	2	-



TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	WAGONER					WASHINGTON					WASHITA				
	Total		Race			Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	16,128					33,170					17,079				
Live births*	343	21.3	263	72	8	710	21.4	656	47	7	339	19.8	330	4	5
Physician in hospital	72	...	62	5	5	689	...	635	47	7	275	...	267	3	5
Physician in home	240	...	198	39	3	20	...	20	-	-	63	...	62	1	-
Midwife, other, or unknown	31	...	3	28	-	1	...	1	-	-	1	...	1	-	-
Stillbirths †	6	17.5	3	3	-	7	9.9	6	-	1	7	20.6	6	1	-
Physician in hospital	3	...	2	1	-	7	...	6	-	1	6	...	5	1	-
Physician in home	2	...	1	1	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	1	...	-	1	-	-	...	-	-	-	1	...	1	-	-
Total deaths, all causes*	151	9.4	89	57	5	285	8.6	267	12	6	127	7.4	125	1	1
Deaths under 1 year †	12	35.0	3	8	1	21	29.6	20	1	-	4	11.8	3	1	-
Deaths under 1 month ‡	10	29.2	3	6	1	17	23.9	17	-	-	1	2.9	1	-	-
Tuberculosis of respiratory system (001-008)	1	6.2	-	1	-	6	18.1	6	-	-	3	17.6	3	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	2	6.0	2	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	2	6.0	2	-	-	1	5.9	-	-	1
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	3	9.0	3	-	-	1	5.9	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	23	142.6	13	8	2	41	123.6	37	2	2	19	111.2	19	-	-
Benign and unspecified neoplasms (210-239)	2	12.4	-	2	-	-	-	-	-	-	1	5.9	1	-	-
Diabetes mellitus (260)	2	12.4	2	-	-	5	15.1	5	-	-	1	5.9	1	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	1	5.9	1	-	-
Vascular lesions affecting central nervous system (330-334)	20	124.0	9	11	-	34	102.5	28	5	1	24	140.5	24	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	6.2	-	1	-	-	-	-	-	-	1	5.9	1	-	-
Chronic rheumatic heart disease (410-416)	2	12.4	1	1	-	4	12.1	3	1	-	2	11.7	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	27	167.4	23	3	1	44	132.6	42	1	1	28	163.9	28	-	-
Other diseases of heart (430-434)	7	43.4	6	1	-	8	24.1	8	-	-	4	23.4	4	-	-
Hypertension with heart disease (440-443)	9	55.8	8	1	-	19	57.3	19	-	-	3	17.6	3	-	-
Hypertension without mention of heart (444-447)	3	18.6	2	1	-	2	6.0	2	-	-	-	-	-	-	-
Influenza (480-483)	1	6.2	-	1	-	10	30.1	9	1	-	-	-	-	-	-
Pneumonia (490-493)	7	43.4	4	3	-	9	27.1	8	1	-	4	23.4	4	-	-
Bronchitis (500-502)	-	-	-	-	-	2	6.0	1	1	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	6.2	-	1	-	-	-	-	-	-	1	5.9	-	1	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	6.2	1	-	-	1	3.0	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	2	6.0	2	-	-	1	5.9	1	-	-
Nephritis and nephrosis (590-594)	5	31.0	4	1	-	10	30.1	10	-	-	4	23.4	4	-	-
Hyperplasia of prostate (610)	1	6.2	-	1	-	1	3.0	1	-	-	1	5.9	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689) †	2	5.8	2	-	-	-	-	-	-	-	1	2.9	1	-	-
Congenital malformations (750-759)	1	6.2	1	-	-	3	9.0	3	-	-	1	5.9	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	2	12.4	-	2	-	5	15.1	5	-	-	1	5.9	1	-	-
Infections of the newborn (763-768)	1	6.2	-	1	-	1	3.0	1	-	-	1	5.9	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	6	37.2	3	2	1	6	18.1	6	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	31.0	3	1	1	4	12.1	3	-	1	4	23.4	4	-	-
All other diseases (Residual)	10	62.0	1	9	-	28	84.4	27	-	1	12	70.3	12	-	-
Motor vehicle accidents (E810-E835)	1	6.2	1	-	-	11	33.2	11	-	-	5	29.3	5	-	-
All other accidents (E800-E802, E840-E962)	7	43.4	2	5	-	14	42.2	14	-	-	3	17.6	3	-	-
Suicide and self-inflicted injury (E963, E970-E979)	3	18.6	3	-	-	5	15.1	5	-	-	1	5.9	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1951 (Continued)

	WOODS					WOODWARD				
	Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	14,477					14,383				
Live births*	279	19.3	279	-	-	251	17.5	250	1	-
Physician in hospital	277	...	277	-	-	242	...	242	-	-
Physician in home	2	...	2	-	-	8	...	7	1	-
Midwife, other, or unknown	-	-	-	-	-	1	...	1	-	-
Stillbirths †	4	4.3	4	-	-	5	19.9	5	-	-
Physician in hospital	4	...	4	-	-	5	...	5	-	-
Physician in home	-	-	-	-	-	-	-	-	-	-
Midwife, other, or unknown	-	-	-	-	-	-	-	-	-	-
Total deaths, all causes*	159	11.0	159	-	-	137	9.5	137	-	-
Deaths under 1 year †	5	17.9	5	-	-	7	27.9	7	-	-
Deaths under 1 month ‡	3	10.8	3	-	-	3	12.0	3	-	-
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	3	20.9	3	-	-
Tuberculosis, other forms (010-019)	1	6.9	1	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	2	13.8	2	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	19	131.2	19	-	-	25	173.8	25	-	-
Benign and unspecified neoplasms (210-239)	1	6.9	1	-	-	1	7.0	1	-	-
Diabetes mellitus (260)	1	6.9	1	-	-	1	7.0	1	-	-
Anemias (290-293)	1	6.9	1	-	-	1	7.0	1	-	-
Vascular lesions affecting central nervous system (330-334)	19	131.2	19	-	-	16	111.2	16	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	1	7.0	1	-	-
Chronic rheumatic heart disease (410-416)	5	34.5	5	-	-	1	7.0	1	-	-
Arteriosclerotic and degenerative heart disease (420-422)	47	324.7	47	-	-	30	208.6	30	-	-
Other diseases of heart (430-434)	3	20.7	3	-	-	1	7.0	1	-	-
Hypertension with heart disease (440-443)	6	41.4	6	-	-	4	27.8	4	-	-
Hypertension without mention of heart (444-447)	3	20.7	3	-	-	8	55.6	8	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	1	6.9	1	-	-	-	-	-	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	6.9	1	-	-	-	-	-	-	-
Appendicitis										

TABLE VI. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE  
OKLAHOMA CITY AND TULSA, 1951

	OKLAHOMA CITY					TULSA				
	Total		Race			Total		Race		
	No.	Rate	Wh.	Neg.	Ind.	No.	Rate	Wh.	Neg.	Ind.
Estimated population, July 1, 1951	248,389					187,817				
Live births*	7025	28.3	6171	784	70	5154	27.4	4593	490	71
Physician in hospital	6920	...	6084	767	69	4927	...	4512	345	70
Physician in home	87	...	70	16	1	101	...	79	21	1
Midwife, other, or unknown	18	...	17	1	-	126	...	126	-	-
Stillbirths	110	15.7	92	17	1	76	14.7	61	14	1
Physician in hospital	106	...	88	17	1	67	...	57	9	1
Physician in home	4	...	4	-	-	4	...	3	1	-
Midwife, other, or unknown	-	...	-	-	-	5	...	1	4	-
Total deaths, all causes*	2217	8.9	1955	250	12	1775	9.5	1495	267	13
Deaths under 1 year	213	30.3	171	39	3	151	29.3	118	30	3
Deaths under 1 month	150	21.4	122	27	1	114	22.1	93	20	1
Tuberculosis of respiratory system (001-008)	42	16.9	31	9	2	33	17.6	23	10	-
Tuberculosis, other forms (010-019)	4	1.6	2	1	1	6	3.2	5	1	-
Syphilis and its sequelae (020-029)	15	6.0	11	4	-	14	7.5	11	3	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	0.4	1	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	1	0.5	1	-	-
Whooping cough (056)	1	0.4	1	-	-	-	-	-	-	-
Meningococcal infections (057)	2	0.8	2	-	-	1	0.5	1	-	-
Acute poliomyelitis (080)	6	2.4	6	-	-	7	3.7	7	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	0.4	1	-	-	3	1.6	2	-	1
Typhus and other rickettsial diseases (100-103)	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	9	3.6	8	1	-	4	2.1	4	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	313	126.0	274	39	-	241	128.3	217	21	3
Benign and unspecified neoplasms (210-239)	7	2.8	2	5	-	8	4.3	6	2	-
Diabetes mellitus (260)	34	12.7	31	3	-	19	10.1	18	1	-
Anemias (290-293)	3	1.2	3	-	-	1	0.5	-	1	-
Vascular lesions affecting central nervous system (330-334)	294	118.4	273	19	2	205	109.2	175	29	1
Nonmeningococcal meningitis (340)	3	1.2	3	-	-	2	1.1	2	-	-
Rheumatic fever (400-402)	2	0.8	2	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	20	8.1	18	2	-	22	11.7	21	1	-
Arteriosclerotic and degenerative heart disease (420-422)	479	192.8	461	17	1	453	241.2	418	34	1
Other diseases of heart (430-434)	109	43.9	92	17	-	44	23.4	39	5	-
Hypertension with heart disease (440-443)	77	31.0	59	17	1	64	34.1	51	13	-
Hypertension without mention of heart (444-447)	25	10.1	21	4	-	22	11.7	20	2	-
Influenza (480-483)	4	1.6	4	-	-	8	4.3	5	3	-
Pneumonia (490-493)	57	22.9	52	4	1	37	19.7	22	15	-
Bronchitis (500-502)	2	0.8	2	-	-	3	1.6	2	1	-
Ulcer of stomach and duodenum (540, 541)	10	4.0	8	2	-	21	11.2	16	5	-
Appendicitis (550-553)	2	0.8	1	1	-	6	3.2	2	4	-
Intestinal obstruction and hernia (560, 561, 570)	20	8.1	16	3	1	8	4.3	6	2	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	12	4.8	8	4	-	10	5.3	7	3	-
Cirrhosis of liver (581)	21	8.5	21	-	-	10	5.3	8	1	1
Nephritis and nephrosis (590-594)	45	18.1	29	16	-	48	25.6	17	31	-
Hyperplasia of prostate (610)	10	4.0	9	1	-	12	6.4	10	2	-
Complications of pregnancy, childbirth and the puerperium (640-689)	2	0.3	2	-	-	3	0.6	-	3	-
Congenital malformations (750-759)	36	14.5	31	5	-	24	12.8	19	3	2
Birth injuries, postnatal asphyxia and atelectasis (760-762)	74	29.8	61	12	1	32	17.0	26	6	-
Infections of the newborn (763-768)	2	0.8	1	1	-	4	2.1	1	3	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	51	20.5	41	10	-	62	33.0	55	7	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	44	17.7	39	4	1	46	24.5	34	12	-
All other diseases (Residual)	177	71.3	163	14	-	150	79.9	132	16	2
Motor vehicle accidents (E810-E835)	65	26.2	55	9	1	39	20.8	34	5	-
All other accidents (E800-E802, E840-E862)	90	36.2	77	13	-	65	34.6	49	14	2
Suicide and self-inflicted injury (E963, E970-E979)	24	9.7	22	2	-	21	11.1	20	1	-
Homicide and operations of war (E964, E965, E980-E999)	22	8.9	11	11	-	16	8.5	9	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, 1951

	Ada		Altus		Alva		Anadarko		Antlers		Armore		Atoka			
	Estimated population, July 1, 1951		16,101		9,878		6,686		6,260		2,506		18,015		2,666	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	404	25.1	254	25.7	114	17.1	150	24.0	44	17.6	416	23.1	62	23.3		
Stillbirths	9	22.3	4	15.7	1	8.8	4	26.7	1	22.7	4	9.6	2	32.3		
Deaths, all causes	178	11.1	106	10.7	83	12.4	72	11.5	44	17.6	191	10.6	35	13.1		
Infant deaths	19	47.0	3	11.8	1	8.8	3	20.0	1	22.7	12	28.8	1	16.1		
Neonatal deaths	15	37.1	1	3.9	-	-	2	13.3	1	22.7	8	19.2	-	-		
Maternal deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Deaths from leading causes:																
Diseases of the heart (410-443)	55	341.6	27	273.3	35	523.5	21	335.5	12	478.9	58	322.0	7	262.6		
Malignant neoplasms (140-205)	23	142.8	14	141.7	9	134.6	14	223.6	9	359.1	30	166.5	12	450.1		
Vascular lesions affecting central nervous system (330-334)	30	186.3	13	131.6	8	119.7	14	223.6	8	319.2	27	149.9	3	112.5		
Accidents (E800-E962)	15	93.2	10	101.2	9	134.6	5	79.9	1	39.9	13	72.2	4	150.0		
Congenital malformations and certain diseases of early infancy (750-776)	16	99.4	2	20.2	-	-	2	31.9	1	39.9	10	55.5	-	-		
Pneumonia (490-493)	7	43.5	4	40.5	-	-	1	16.0	1	39.9	3	16.7	-	-		
Nephritis and nephrosis (590-594)	2	12.4	4	40.5	3	44.9	-	-	2	79.8	7	38.9	1	37.5		
Tuberculosis (001-019)	2	12.4	2	20.2	-	-	3	47.9	-	-	4	22.2	1	37.5		

	Bartlesville		Bethany		Blackwell		Bristow		Broken Arrow		Chandler		Checotah			
	Estimated population, July 1, 1951		19,598		6,095		9,282		5,400		3,411		2,724		2,702	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	435	22.1	278	45.6	224	24.1	127	23.5	98	28.7	47	17.3	61	22.6		
Stillbirths	3	6.9	5	18.0	5	22.3	1	7.9	-	-	-	-	1	16.4		
Deaths, all causes	173	8.8	44	7.2	95	10.2	61	11.3	40	11.7	42	15.4	42	15.5		
Infant deaths	12	27.6	8	28.8	5	22.3	2	15.7	2	20.4	1	21.3	2	32.8		
Neonatal deaths	10	23.0	7	25.2	4	17.9	2	15.7	1	10.2	-	-	2	32.8		
Maternal deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Deaths from leading causes:																
Diseases of the heart (410-443)	47	239.8	14	229.7	32	344.8	15	277.8	12	351.8	14	514.0	14	518.1		
Malignant neoplasms (140-205)	20	102.1	7	114.8	15	161.6	7	129.6	3	88.0	9	330.4	3	111.0		
Vascular lesions affecting central nervous system (330-334)	23	117.4	7	114.8	17	183.2	8	148.1	8	234.5	6	220.3	5	185.0		
Accidents (E800-E962)	11	56.1	1	16.4	6	64.6	9	166.7	2	58.6	-	-	2	74.0		
Congenital malformations and certain diseases of early infancy (750-776)	9	45.9	6	98.4	6	64.6	2	37.0	2	58.6	1	36.7	2	74.0		
Pneumonia (490-493)	4	20.4	1	16.4	2	21.5	4	74.1	-	-	1	36.7	1	37.0		
Nephritis and nephrosis (590-594)	7	35.7	-	-	3	32.3	2	37.0	1	29.3	1	36.7	-	-		
Tuberculosis (001-019)	5	25.5	1	16.4	-	-	-	-	-	-	-	-	1	37.0		

	Cherokee		Chickasha		Claremore		Clinton		Cordell		Cushing		Dewey			
	Estimated population, July 1, 1951		2,645		16,058		5,664		7,658		2,938		8,503		2,563	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	53	20.0	333	20.7	143	25.2	187	24.4	51	17.4	216	25.4	57	22.2		
Stillbirths	-	-	4	12.0	3	21.0	3	16.0	1	19.6	2	9.3	2	35.1		
Deaths, all causes	47	17.8	177	11.0	86	15.2	85	11.1	32	10.9	78	9.2	33	12.9		
Infant deaths	-	-	10	30.0	8	55.9	6	32.1	1	19.6	7	32.4	3	52.6		
Neonatal deaths	-	-	7	21.0	5	35.0	4	21.4	-	-	6	27.8	3	52.6		
Maternal deaths	-	-														



TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,\* FOR CITIES HAVING A POPULATION OF 2,500\*\* OR MORE, OKLAHOMA, 1951 (Continued)

	Drumright		Duncan		Durant		Edmond		Elk City		El Reno		Enid	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Estimated population, July 1, 1951	5,119		15,709		10,605		6,346		8,330		11,105		37,010	
Live births	96	18.8	466	29.7	240	22.6	194	30.6	208	25.0	255	23.0	1198	32.4
Stillbirths	3	31.2	4	8.6	4	16.7	1	5.2	4	19.2	4	15.7	13	10.9
Deaths, all causes	50	9.8	149	9.5	147	13.9	39	6.1	81	9.7	136	12.2	331	10.3
Infant deaths	5	52.1	9	19.3	6	25.0	4	20.6	11	52.9	3	11.8	27	22.5
Neonatal deaths	3	31.2	8	17.2	6	25.0	4	20.6	8	38.5	2	7.8	20	16.7
Maternal deaths	-	-	1	2.1	-	-	-	-	-	-	-	-	2	1.7
Deaths from leading causes:														
Diseases of the heart (410-443)	19	371.2	49	312.0	60	565.8	13	204.9	25	300.1	56	504.3	119	321.5
Malignant neoplasms (140-205)	14	273.5	18	114.6	24	226.3	4	63.0	16	192.1	21	189.1	57	154.0
Vascular lesions affecting central nervous system (330-334)	5	97.7	22	140.0	15	141.4	7	110.3	7	84.0	8	72.0	29	78.4
Accidents (E800-E962)	1	19.5	14	89.1	11	103.7	1	15.8	10	120.0	6	54.0	22	59.4
Congenital malformations and certain diseases of early infancy (750-776)	5	97.7	9	57.3	6	56.6	4	63.0	8	96.0	3	27.0	20	54.0
Pneumonia (490-493)	-	-	4	25.5	2	18.9	2	31.5	1	12.0	2	18.0	4	10.8
Nephritis and nephrosis (590-594)	2	39.1	3	19.1	1	9.4	1	15.8	1	12.0	1	9.0	5	13.5
Tuberculosis (001-019)	-	-	2	12.7	4	37.7	-	-	-	-	3	27.0	2	5.4

	Burlington		Frederick		Guthrie		Guyton		Healdton		Henryetta		Hobart	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Estimated population, July 1, 1951	2,564		5,512		10,126		5,022		2,642		8,122		5,405	
Live births	60	23.4	126	22.9	192	19.0	151	30.1	50	18.9	219	27.0	139	25.7
Stillbirths	1	16.7	3	23.8	3	15.6	1	6.6	1	20.0	4	18.3	-	-
Deaths, all causes	37	14.4	87	15.8	145	14.3	24	4.8	28	10.6	84	10.3	64	11.8
Infant deaths	3	50.0	8	63.5	10	52.1	4	26.5	-	-	9	41.1	6	43.2
Neonatal deaths	2	33.3	2	15.9	8	41.7	3	19.9	-	-	8	36.5	5	36.0
Maternal deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:														
Diseases of the heart (410-443)	17	663.0	35	635.0	57	562.9	11	219.0	12	454.2	33	406.3	21	388.5
Malignant neoplasms (140-205)	3	117.0	6	108.9	19	187.6	3	59.7	7	265.0	12	147.7	8	148.6
Vascular lesions affecting central nervous system (330-334)	1	39.0	18	326.6	27	266.6	-	-	4	151.4	8	98.5	12	222.0
Accidents (E800-E962)	3	117.0	4	72.6	7	69.1	2	39.8	3	113.6	4	49.2	3	55.5
Congenital malformations and certain diseases of early infancy (750-776)	2	78.0	3	54.4	8	79.0	3	59.7	-	-	7	86.2	5	92.5
Pneumonia (490-493)	2	78.0	7	127.0	2	19.8	1	19.9	1	37.9	3	36.9	1	18.5
Nephritis and nephrosis (590-594)	-	-	1	18.1	1	9.9	-	-	-	-	-	-	-	-
Tuberculosis (001-019)	2	78.0	-	-	-	-	-	-	-	-	-	-	-	-

	Holdenville		Hollis		Hominy		Hugo		Idabel		Kingfisher		Konawa	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Estimated population, July 1, 1951	6,192		3,134		2,702		5,994		4,794		3,345		2,770	
Live births	150	24.2	62	19.8	65	20.7	113	18.9	100	20.9	60	17.9	23	8.3
Stillbirths	1	6.7	-	-	-	-	2	17.7	1	10.0	1	16.7	-	-
Deaths, all causes	91	14.7	28	8.9	45	16.7	91	15.2	59	12.3	48	14.3	18	6.5
Infant deaths	2	13.3	4	64.5	6	92.3	3	26.5	9	90.0	4	66.7	1	43.5
Neonatal deaths	1	6.7	4	64.5	6	92.3	2	17.7	4	40.0	1	16.7	1	43.5
Maternal deaths	-	-	-	-	-	-	1	8.8	-	-	-	-	-	-
Deaths from leading causes:														
Diseases of the heart (410-443)	36	581.4	2	63.8	13	481.1	27	450.5	19	396.3	23	687.6	7	252.7
Malignant neoplasms (140-205)	13	209.9	5	159.5	3	111.0	10	166.8	9	187.7	3	89.7	2	72.2
Vascular lesions affecting central nervous system (330-334)	9	145.3	7	223.4	8	296.1	19	317.0	6	125.2	5	149.5	3	108.3
Accidents (E800-E962)	1	16.1	2	63.8	-	-	4	66.7	6	125.2	4	119.6	2	72.2
Congenital malformations and certain diseases of early infancy (750-776)	1	16.1	3	95.7	6	222.1	2	33.4	2	41.7	1	29.9	1	36.1
Pneumonia (490-493)	1	16.1	-	-	1	37.0	1	16.7	4	83.4	-	-	-	-
Nephritis and nephrosis (590-594)	4	64.6	-	-	2	74.0	6	100.1	-	-	-	-	1	36.1
Tuberculosis (001-019)	2	32.3	1	31.9	3	111.0	1	16.7	2	41.7	2	59.8	-	-

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,\* FOR CITIES HAVING A POPULATION OF 2,500\*\* OR MORE, OKLAHOMA, 1951 (Continued)

	Lawton		Lindsay		McAlester		Madill		Mangum		Marlow		Miami	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Estimated population, July 1, 1951	35,610		3,175		18,563		2,816		4,281		3,462		12,234	
Live births	1077	30.2	77	24.3	402	21.7	79	28.1	81	18.9	72	20.8	277	22.6
Stillbirths	23	21.4	1	13.0	6	14.9	-	-	1	12.3	-	-	2	7.2
Deaths, all causes	241	6.8	26	8.2	131	7.1	37	13.1	66	15.4	50	14.4	114	9.3
Infant deaths	41	38.1	1	13.0	10	24.9	1	12.7	3	37.0	-	-	7	25.3
Neonatal deaths	30	27.9	1	13.0	7	17.4	1	12.7	2	24.7	-	-	6	21.7
Maternal deaths	2	1.9	-	-	1	2.5	-	-	-	-	-	-	-	-
Deaths from leading causes:														
Diseases of the heart (410-443)	65	182.5	10	315.0	36	193.9	11	390.6	19	443.8	21	606.6	35	286.1
Malignant neoplasms (140-205)	19	53.4	3	94.5	28	150.8	4	142.0	11	256.9	7	202.2	11	89.9
Vascular lesions affecting the central nervous system (330-334)	32	89.9	3	94.5	18	97.0	6	213.1	9	201.2	8	231.1	19	155.3
Accidents (E800-E962)	22	61.8	-	-	8	43.1	5	177.6	6	140.2	2	57.8	12	98.1
Congenital malformations and certain diseases of early infancy (750-776)	27	75.8	1	31.5	6	32.3	1	35.5	3	70.1	-	-	7	57.2
Pneumonia (490-493)	10	28.1	-	-	2	10.8	1	35.5	3	70.1	1	28.9	2	16.3
Nephritis and nephrosis (590-594)	3	8.4	1	31.5	-	-	1	35.5	2	46.7	1	28.9	1	8.2
Tuberculosis (001-019)	4	11.2	-	-	3	16.2	2	71.0	-	-	-	-	4	32.7

	Midwest City		Muskogee		Nichols Hills		Norman		Nowata		Okemah		Okla. City	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Estimated population, July 1, 1951	10,587		37,909		2,814		27,611		3,973		3,454		248,389	
Live births	402	38.0	862	22.7	39	13.9	573	20.8	102	25.7	79	22.9	7025	28.3
Stillbirths	7	17.4	16	18.6	-	-	7	12.2	-	-	1	12.7	110	15.7
Deaths, all causes	37	3.5	475	12.5	11	3.9	193	7.0	60	15.1	57	16.5	2217	8.9
Infant deaths	12	29.9	50	58.0	1	25.6	19	33.2	3	29.4	6	75.9	213	30.3
Neonatal deaths	10	24.9	34	39.4	1	25.6	16	27.9	3	29.4	4	50.6	150	21.4
Maternal deaths	-	-	3	3.5	-	-	1	1.7	-	-	-	-	2	0.3
Deaths from leading causes:														
Diseases of the heart (410-443)	8	75.6	154	406.2	7	248.8	67	242.7	14	352.4	20	579.0	685	275.8
Malignant neoplasms (140-205)	4	37.8	69	182.0	3	106.6	22	79.7	8	201.4	4	115.8	313	126.0
Vascular lesions affecting central nervous system (330-334)	4	37.8	53	139.8	-	-	31	112.3	12	302.0	7	202.7	294	118.4
Accidents (E800-E962)	-	-	35	92.3	-	-	16	57.9	5	125.8	6	173.7	155	62.4
Congenital malformations and certain diseases of early infancy (750-776)	12	113.3	31	81.8	1	35.5	17	61.6	3	75.5	4	115.8	163	65.6
Pneumonia (490-493)	-	-	9	23.7	-	-	3	10.9	-	-	4	115.8	57	22.9
Nephritis and nephrosis (590-594)	1	9.4	8	21.1	-	-	2	7.2	1	25.2	1	29.0	45	18.1
Tuberculosis (001-019)	-	-	9	23.7	-	-	2	7.2	1	25.2	1	29.0	46	18.5

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,\* FOR CITIES HAVING A POPULATION OF 2,500\*\* OR MORE, OKLAHOMA, 1951 (Continued)

	Fotess		Fryor		Furcell		Sallisaw		Sand Springs		Sapulpa		Sayre	
Estimated population, July 1, 1951	4,871		4,735		3,600		2,979		7,102		13,129		3,403	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	119	24.4	97	20.5	91	25.3	71	23.8	241	33.9	329	25.1	74	21.7
Stillbirths	4	33.6	2	20.6	1	11.0	1	14.1	2	8.3	4	12.2	-	-
Deaths, all causes	64	13.1	56	11.8	35	9.7	38	12.8	77	10.8	136	10.4	41	12.0
Infant deaths	4	33.6	5	51.5	2	22.0	6	84.5	8	33.2	5	15.2	5	67.6
Neonatal deaths	3	25.2	3	30.9	1	11.0	4	56.3	7	29.0	3	9.1	4	54.1
Maternal deaths	-	-	1	10.3	1	11.0	-	-	-	-	-	-	-	-
Deaths from leading causes:														
Diseases of the heart (410-443)	19	390.1	22	464.6	6	166.7	11	369.3	24	337.9	49	373.2	14	411.4
Malignant neoplasms (140-205)	8	164.2	4	84.5	4	111.1	5	167.8	10	140.8	19	144.7	8	235.1
Vascular lesions affecting central nervous system (330-334)	7	143.7	3	63.4	9	250.0	7	235.0	9	126.7	16	121.9	3	88.2
Accidents (E800-E962)	9	184.8	5	105.6	4	111.1	1	33.6	4	56.3	8	60.9	2	58.8
Congenital malformations and certain diseases of early infancy (750-776)	3	61.6	2	42.2	1	27.8	3	100.7	8	112.6	4	30.5	5	146.9
Pneumonia (490-493)	3	61.6	-	-	-	-	-	-	1	14.1	6	45.7	1	29.4
Nephritis and nephrosis (590-594)	1	20.5	-	-	-	-	1	33.6	3	42.2	4	30.5	1	29.4
Tuberculosis (001-019)	2	41.1	1	21.1	1	27.8	3	100.7	2	28.2	2	15.2	1	29.4

	Seminole		Shawnee		Stillwater		Sulphur		Tahlequah		Tonkawa		Tulsa	
Estimated population, July 1, 1951	11,903		23,061		20,881		4,389		4,965		3,699		187,813	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	212	17.8	568	24.6	528	25.3	103	23.5	145	29.2	63	17.0	5154	27.4
Stillbirths	1	4.7	6	10.6	4	7.6	3	29.1	2	13.8	2	31.7	76	14.7
Deaths, all causes	86	7.2	253	11.0	109	5.2	69	15.7	42	8.5	46	12.4	1775	9.5
Infant deaths	8	37.7	11	19.4	13	24.6	2	19.4	1	6.9	4	63.5	151	29.3
Neonatal deaths	5	23.6	7	12.3	7	13.3	1	9.7	-	-	4	63.5	114	22.1
Maternal deaths	-	-	1	1.8	-	-	-	-	-	-	-	-	3	0.6
Deaths from leading causes:														
Diseases of the heart (410-443)	35	294.0	89	385.9	29	138.9	23	524.0	13	261.8	13	351.4	583	310.4
Malignant neoplasms (140-205)	8	67.2	32	138.8	22	105.4	13	296.2	9	181.3	7	189.2	241	128.3
Vascular lesions affecting central nervous system (330-334)	9	75.6	45	195.1	7	33.5	9	205.1	6	120.8	6	162.2	205	109.2
Accidents (E800-E962)	8	67.2	9	39.0	8	38.3	6	136.7	2	40.3	4	108.1	104	55.4
Congenital malformations and certain diseases of early infancy (750-776)	7	58.8	8	34.7	6	28.7	1	22.8	1	20.1	3	81.1	122	65.0
Pneumonia (490-493)	-	-	5	21.7	6	28.7	3	68.4	-	-	1	27.0	37	19.7
Nephritis and nephrosis (590-594)	2	16.8	5	21.7	1	4.8	-	-	-	-	1	27.0	48	25.6
Tuberculosis (001-019)	1	8.4	5	21.7	2	9.6	3	68.4	3	60.4	1	27.0	39	20.8

	Vinita		Wagoner		Walters		Watonga		Weatherford		Wewoka		Woodward	
Estimated population, July 1, 1951	5,518		4,507		2,807		3,302		3,658		6,747		5,979	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	136	24.6	102	22.7	66	23.5	66	20.0	76	20.8	149	22.1	141	23.6
Stillbirths	1	7.4	1	9.8	-	-	-	-	1	13.2	-	-	3	21.3
Deaths, all causes	65	11.8	57	12.7	28	10.0	46	13.9	45	12.3	57	8.4	71	11.9
Infant deaths	5	36.8	5	49.0	2	30.3	5	75.8	8	105.3	5	33.6	5	35.5
Neonatal deaths	4	29.4	5	49.0	2	30.3	2	30.3	8	105.3	4	26.8	2	14.2
Maternal deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:														
Diseases of the heart (410-443)	23	416.8	25	555.2	8	285.0	15	454.3	16	437.4	13	192.7	21	351.2
Malignant neoplasms (140-205)	5	90.6	6	133.2	5	178.1	7	212.0	7	191.4	10	148.2	12	200.7
Vascular lesions affecting central nervous system (330-334)	15	271.8	8	177.7	2	71.3	4	121.1	8	218.7	7	103.7	8	133.8
Accidents (E800-E962)	4	72.5	1	22.2	5	178.1	7	212.0	-	-	2	29.6	4	66.9
Congenital malformations and certain diseases of early infancy (750-776)	4	72.5	4	88.8	2	71.3	2	60.6	9	246.0	3	44.5	2	33.5
Pneumonia (490-493)	1	18.1	6	133.2	1	35.6	-	-	-	-	1	14.8	-	-
Nephritis and nephrosis (590-594)	-	-	1	22.2	1	35.6	-	-	1	27.3	2	29.6	1	16.7
Tuberculosis (001-019)	1	18.1	-	-	1	35.6	1	30.3	-	-	2	29.6	3	50.2