PUBLIC HEALTH STATISTICS

STATE OF

OKLAHOMA

1949

PART II

BIRTHS AND DEATHS

Oklahoma State Department of Health
Oklahoma City, Oklahoma

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PUBLIC HEALTH STATISTICS OF OKLAHOMA

BIRTHS AND DEATHS

1949

Public Health Statistics, an annual summary of the births and deaths which have occurred to the people of Oklahoma, is published primarily as a tool for public health workers, the medical profession, research workers, and others interested in promoting physical and mental health for the public. It is the intent that the statistics contained in this and other bulletins in the series may serve as a divining rod for discovering local health needs and as a yardstick for measuring results in meeting these needs. This is the seventh edition of the bulletin and contains data relating to births, stillbirths, and deaths that occurred in 1949. Analysis of the data is somewhat limited in scope, but some of the findings of particular interest to the public health workers of today have been selected for discussion.

An appendix containing general tabulations for the State as a whole and for each county has been included to be used as a basis for further analyses as needed. More detailed information is available either in tabular form or in special publications prepared by the Division of Statistics of the Oklahoma State Department of Health.

POPULATION

Preliminary counts from the 1950 census were available for making 1949 population estimates for each county to be used as the base for computing rates. Characteristics of the population were not yet known so that data related to the population were limited to racial groups for the State as a whole and to total populations for counties and cities. Estimates for the counties have been made by decreasing or increasing the 1950 enumeration, according to the general trend, but the 1950 provisional figures have been used for the cities.

Population estimates for other years were based on the 1940 census, the 1945 Ration Book IV registration, school censuses, and the natural increase of the population indicated by the excess of births over deaths. No attempt as yet has been made to re-estimate the populations for the years 1940-1948 and to revise rates but this is anticipated for the 1950 bulletin.

RESIDENCE ALLOCATION

Through the voluntary exchange of copies of birth and death certificates between the States, sponsored by the National Office of Vital Statistics, births and deaths are reallocated to the resident state for statistical purposes. This procedure makes it possible to determine the number of births and deaths occurring to the resident population of

Oklahoma, regardless of where in the United States the events take place. Alaska, Canada, and Hawaii also participate in the program for the exchange of certificates. Correction of residence within the State is made on a county and city basis.

The usual residence as specified on the certificate is generally used for residence reallocation. If, however, information entered on the certificate in the place of birth or death indicates that the mother, in case of a birth, or decedent had lived in the place of birth or place of death for one year or more that is considered to be the place of residence also for statistical tabulations.

Most of the statistics in the bulletin are based on data which have been corrected for residence. Table C, however, which shows the births, stillbirths, deaths, infant and neonatal deaths for each county according to the place of occurrence of the event, has been included since this information is of value for some purposes. Other death tabulations for each county and city according to place of occurrence are on file.

As in 1948, the number of resident births and deaths occurring outside of Oklahoma exceeded the number of non-residents who were born or died in the State. This relationship is shown in Table 1.

Table 1

Residence Allocation, Oklahoma, 1949

	Non-Resident Certificates Excluded	Resident Transcripts Included
Births	1,278	1,654
Deaths	483	979

The states which reallocated the largest number of Oklahoma resident births and deaths are listed in Table 2. As might be expected, more of the resident births and deaths which occurred in other states were recorded in the states along the border, with Texas leading the list. Copies of two birth certificates and one death certificate were received from Canada, and one birth certificate was received from Alaska.

Table 2

Births and Deaths of Oklahoma Residents Occurring Outside Oklahoma, by State in Which the Events Occurred 1949

State	Number	
	Births	Deaths
Total	1,654	979
Arizona	10	31
Arkansas	443	173
California	3	30
Colorado	15	32
Illinois	4	15
Kansas	355	192
Kentucky	16	3
Mississippi	14	5
Missouri	106	90
New Mexico	40	26
Tennessee	16	5
Texas	532	295
Virginia	11	3
Washington	21	1
Wyoming	7	6
All Others	61	72

CAUSE OF DEATH CLASSIFICATION

Coding Procedures

In 1948 the World Health Organization published the International Statistical Classification of Diseases, Injuries and Causes of Death, as the sixth decennial revision of the International List. This List, along with the special instructions for coding causes of death, was used during 1949 for primary classification of causes of death for statistical purposes. All of the statistics published in this bulletin for that year, except when otherwise specified, have been based on deaths classified according to the sixth revision, and the numbers in parentheses following each disease category refer to the List numbers included.

During the decade prior to 1949, the fifth revision of the List and the Manual for Joint Causes of Death was used for the selection of the primary cause to be used for statistical classification. Some of the changes

made in the inclusions in the categories for the sixth revision, and in the procedures for the selection of a single cause of death brought about some incomparability between the statistics for 1949 and those for previous years.

In order to determine how much the statistics were affected by these changes, the death certificates for 1949 were coded according to both the fifth and sixth revisions of the International List and a comparability ratio prepared for each main category. The results of this dual coding are shown in Table B in the appendix.

Comparability Ratios

The "comparability ratio" for each category is the ratio of the number of deaths classified to that category by the sixth revision to the number of deaths thus classified by the fifth revision. It is an index of how much of the increase or decrease in the number of deaths for a specific cause was due to the difference in coding procedures alone. The comparability ratio for any category may be applied to the number of deaths assigned to that category in previous years to estimate how many deaths would have been attributed to that cause had the sixth List and coding procedures been used instead of the fifth. Rates computed for the estimated number of deaths would then be comparable with the 1949 rates to determine increases or decreases in specific death rates. Table A, however, shows the deaths in 1949, with death rates, classified according to the fifth revision of the International List. These rates of course are comparable with the rates for any other years included in the same table.

Some of the major changes in the inclusions for the cause-of-death categories in the fifty-cause list were the addition of Hodgkin's disease and leukemia to the malignant neoplasm group; these diseases were formerly in the categories "other infectious and parasitic diseases" and "diseases of the blood and blood-forming organs," respectively. During 1949 there were 18 deaths assigned to Hodgkin's disease and 102 deaths assigned to leukemia by the fifth revision. There were 58 deaths assigned to "senile psychosis"; these would have been tabulated as "senility" according to the fifth revision grouping but were classified to the category "psychoses" in the sixth revision and included in the residual group "all other diseases" for the fifty-cause list.

Most of the terms or combinations of conditions that were included in the subtitle "arteriosclerotic kidney" under chronic nephritis in the fifth revision were transferred to either the group "hypertensive heart disease with arteriolar nephrosclerosis" or "hypertension with arteriolar nephrosclerosis without mention of heart."

Pneumonia and diarrhea in infants under one month of age, in the sixth revision were included in the group "infections of the newborn" but were a part of the "pneumonia" and "diarrhea and enteritis" groups previously. Infant death statistics were affected even more by the inclusion of prematurity as a subtitle for each of the categories for diseases

peculiar to early infancy; prematurity took precedence over many other diseases in the old joint-cause weight tables used for selection of a single cause of death.

Other changes in inclusion terms under the different categories did not affect the statistics greatly, either because the number of deaths due to the diseases involved was small or because the change of diseases from one category to another occurred within one of the major groups in the fifty-cause list. The changes in procedure from the fifth to the sixth revision for the selection of a single underlying cause of death had more effect upon the statistics than did the changes in inclusion of terms in the tabular list.

The table below shows the major groups that showed the largest decrease in deaths due to changes in coding procedures, with a breakdown of the deaths assigned to these groups by the fifth revision according to the sixth revision classification.

Table 3

Deaths from Selected Causes as Classified by the Fifth Revision, Broken Down According to the Sixth Revision Classification
Oklahoma, 1949

Cause of Death	Number Classified by Sixth Revision	Number Classified by Fifth Revision
Diabetes		443
Diabetes	291	
Vascular lesions of CNS	33	
Diseases of the heart	84	
Other causes	35	
Bronchitis		44
Bronchitis	20	
Bronchiectasis	12	
Asthma	2	
Other causes	10	
Ulcer of stomach and duodenum		111
Ulcer of stomach and duodenum	84	
Diseases of the heart	13	
Other causes	14	
Cirrhosis of liver		142
Cirrhosis of liver	109	
Diseases of the heart	19	
Other causes	14	
Nephritis and nephrosis		1,067
Nephritis and nephrosis	438	
Vascular lesions of CNS	18	
Hypertensive heart disease with arteriolar nephrosclerosis	323	
Other diseases of the heart	128	
Hypertension with arteriolar nephrosclerosis	67	
Uremia, unqualified	20	
Other causes	73	

The numbers of deaths assigned to nonmeningococcal meningitis, rheumatic fever, hypertension without heart disease, influenza and hyperplasia of prostate were increased more by changes in coding procedures, than any other diseases as shown on Table B in the appendix.

LIVE BIRTHS

In 1949 there were 49,971 resident live births which, though fewer than the 50,428 births reported in 1948, gave an increased rate of 22.3. The birth rates for the white and Negro groups were lower than for Indians; the Indian rate of 32.5, however, was somewhat accelerated by a change in coding procedures. Prior to 1949, births to mixed white and Indian parentage were classified according to the race of the father; in 1949, births to mixed parentage were all classified according to the minor racial group specified.

Table 4

Live Births, Number and Rate,* by Race
Oklahoma, 1948-1949

Year	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1948	50,428	21.6	45,083	21.4	3,639	22.6	1,706	27.0
1949	49,971	22.3	44,272	21.9	3,647	23.6	2,052	32.5

*Number per 1,000 live births.

The per cent of infants delivered in hospitals continued to increase in 1949. As late as ten years ago (1940) only 40.1 per cent of the live births were delivered in hospitals. Except in the Indian race, the change in the last year seemed to be from delivery by physician in home to physician in hospital, with delivery by midwife in home remaining practically unchanged. In the Indian racial group, it was delivery by midwife and other which showed a decrease and delivery by physician in home changed only slightly.

Table 5

Live Birth Attendance by Race,
Oklahoma, 1949

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	49,971	100.0	44,272	100.0	3,647	99.9	2,052	100.0
Physician in hospital	41,078	82.2	37,639	85.0	1,730	47.4	1,709	83.3
Physician in home	7,507	15.0	6,293	14.2	1,004	27.5	210	10.2
Midwife and other	1,386	2.8	340	0.8	913	25.0	133	6.5

Table 6, below, shows the per cent of live births delivered in hospitals and by physicians, urban and rural. For the white race, the percentages were practically equal, 98.8 and 99.7 per cent, for both urban and rural deliveries by physicians. The most pronounced difference between urban and rural deliveries may be seen in the Negro race. It is interesting to see, however, that the percentages for the Indian race did not differ a great deal from those for the white race; the proportion of rural Indian live births delivered in hospitals was actually larger than that of the rural white live births.

Table 6

Percentages of Live Births Delivered in Hospitals and by Physicians
by Urban or Rural Residence of Mother, by Race
Oklahoma, 1949

Attendance at Birth	Total		White		Negro		Indian	
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Per cent delivered in hospitals	91.8	72.7	94.9	75.2	61.4	25.5	93.4	79.9
Per cent delivered by physicians	98.2	96.3	99.7	98.8	83.1	62.2	99.4	91.5

Immature Births

This is the second year that data on immaturity based on birth weight have been available from the live birth tabulations, since an item for birth weight was first included in the 1948 revision of the standard certificate of live birth. In 1949 this item was complete on 96 per cent of the certificates, compared with 93 per cent in 1948. Infants with birth weight under five and one-half pounds were classified as immature.

Table 7, below, shows that the Negro race had a higher percentage of immature births than the white or Indian races, based on birth weight alone as a criterion.

Table 7

Percentage of Immature Births, by Race,
Oklahoma, 1949

	Total	White	Negro	Indian
Live births with birth weight specified	48,003	42,613	3,448	1,942
Birth weight less than 5½ pounds	2,710	2,363	252	95
Per cent	5.6	5.5	7.3	4.9

Approximately two-thirds of the 2,710 immature infants weighed four and one-half to five and one-half pounds at birth, (Table 8). A higher per cent of immature infants whose mothers were 20-24 years of age were in the upper weight brackets than any other age group. The average age of mothers of the immature babies at delivery was 25.7 years compared with 25.9 years for mothers of total live births.

Table 8

Resident Immature Births, by Birth Weight and Age of Mother, Oklahoma, 1949

Birth Weight	Age of Mother								
	Total	Under 15	15-19	20-24	25-29	30-34	35-44	45 & Over	Unk.
Live births with birth weight specified	48,003	88	8,354	16,568	11,787	6,339	4,603	93	171
Total Immature Births	2,710	7	513	920	642	352	267	4	5
4 lb 8 oz - 5 lb 7 oz	1,737	2	328	605	415	224	158	-	5
3 lb 8 oz - 4 lb 7 oz	537	2	96	186	123	63	65	2	-
2 lb 8 oz - 3 lb 7 oz	252	2	53	74	63	31	27	2	-
Less than 2 lb 8 oz	184	1	36	55	41	34	17	-	-

A higher percentage, 8.0 in 1949, of the infants born to mothers under 15 years of age were immature than for any other age group. The number of births to mothers under 15 was very small, but the average immature birth rate in this group for the two years 1948-1949 was still higher than for any other age group. Mothers age 45-54 had the smallest percentage of immature births, but the total number in this group was small also.

Mortality of Immature Infants

During 1949 the death certificates for resident infants were matched with the corresponding birth certificates for the preparation of special infant mortality data. Although the unmatched infant deaths were necessarily excluded from the study, the figures for deaths of immature infants have been compared with the 1949 immature birth data as an estimate of premature mortality rates.

Of the 2,710 infants weighing less than five and one-half pounds at birth, 525, or 19.4 per cent, died before they were one month of age. The proportion of immature infants that died varied for the three racial groups: 13.5 per cent for Negroes, 19.9 per cent for whites and 22.1 per cent for Indians.

The mortality rate for the smaller babies was high, with 90.8 per cent of those weighing less than 2 lbs. 9 oz. dying before one month of age. Only 6.4 per cent of the infants weighing 4 lbs. 9 oz. to 5 lbs. 8 oz. died during the neonatal period.

A total of 299, or 57 per cent, of the neonatal deaths among immature infants occurred during the first day of life, with the death rates decreasing with each day of life thereafter.

Almost 50 per cent of the deaths were assigned to immaturity as the cause of death, with another 46 per cent of the deaths attributed to congenital malformations, injuries at birth and other diseases peculiar to the first year of life.

STILLBIRTHS

There were only 860 stillbirths in 1949, striking a new low compared with the previous low number in 1942 of 911 stillbirths.

The Negro and Indian races had high rates - 35.6 and 21.9, respectively - compared with the white rate of 15.5 stillbirths per 1,000 live births.

The per cents of Negro and Indian stillbirths delivered by midwives and other non-professional attendants remained higher than the per cent of white stillbirths, and did not change much from the year before, although the percentages have been decreasing during the past twenty years.

Table 9

Stillbirth Attendance by Race, Oklahoma, 1949

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	860	100.0	685	100.0	130	100.0	45	99.9
Physician in hospital	655	76.2	559	81.6	63	48.5	33	73.3
Physician in home	167	19.4	113	16.5	48	36.9	6	13.3
Midwife and other	38	4.4	13	1.9	19	14.6	6	13.3

Certificates listing ill-defined or unknown causes of stillbirths formed 30.0 per cent of the number filed in 1949. This was somewhat lower than in 1948. Of those with cause specified, 65.8 per cent were attributed to aberrations in the fetus. This was expected because on certificates with joint causes of stillbirth, causes determined in the fetus, placenta and cord invariably took precedence in assignment over causes and conditions in the mother. Placental and cord conditions and congenital malformations of the fetus were the main causes determined in the fetus, accounting for 71.2 and 18.7 per cent, respectively, of these deaths. Of the causes determined in the mother or related to pregnancy, 49.0 per cent were due to difficulties in labor and 21.8 per cent to toxemias of pregnancy. Table 10 shows the distribution of the stillbirths by cause.

Table 10

Resident Stillbirths by Cause of Stillbirth, Oklahoma, 1949

Cause of Stillbirth	Number	Per Cent
Total	860	100.0
Causes Determined in the Mother, or Related to Pregnancy:	206	24.0
Diabetes mellitus (Y30.2)	7	0.8
Chronic disease of genito-urinary system (Y30.4)	6	0.7
Other chronic diseases (Y30.0, .1, .3, .5)	11	1.3
Acute disease in mother (Y31)	10	1.2
Toxemias of pregnancy (Y32.3, .4)	45	5.2
Infection (ante- and intra-partum) (Y32.5)	3	0.3
Difficulties in labour (Y34)	101	11.7
Overexertion (Y35.2)	2	0.2
Accident or violence (Y35.0, .1)	14	1.6
Other and ill-defined causes in mother (Y32.1, .2, Y33, Y35.3)	7	0.8
Causes Determined in the Fetus, Placenta or Cord:	396	46.0
Placenta and cord conditions (Y36)	282	32.8
Birth injury (Y37)	15	1.7
Congenital malformations of fetus (Y38)	74	8.6
Erythroblastosis (Y39.2)	19	2.2
Other causes determined in the fetus (Y39.0, .1, .3)	6	0.7
Ill-defined causes (Y39.4, .5)	93	10.8
Cause unspecified (Y39.6)	165	19.2

Figures in parentheses refer to "Classification of Causes of Stillbirths", *International Statistical Classification of Diseases, Injuries, and Causes of Death*, Sixth Revision, 1948.

There were 154 operations for delivery - 21.6 per cent of the number of stillbirth certificates reporting any information about operative delivery. Over one-fourth of the certificates indicating an operation were deficient in this information. Table 11, below, shows operations for delivery by time of death of the fetus. The most common operations performed were cesarean sections, forceps deliveries and versions unqualified as to whether forceps were used.[1]

[1]Unpublished tabulation: "Resident Stillbirths by Operative Procedure, by Race and Sex, Oklahoma, 1949." Division of Statistics, Oklahoma State Department of Health.

Table 11

Resident Stillbirths According to Whether Death Occurred Before or During Operation, by Race, Number and Per Cent Oklahoma, 1949

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total operations	154	99.9	126	100.0	18	100.0	10	100.0
Before operation	86	55.8	70	55.5	11	61.1	5	50.0
During operation	27	17.5	23	18.3	2	11.1	2	20.0
Not stated	41	26.6	33	26.2	5	27.8	3	30.0

The certificates were more complete with respect to data concerning death before or during labor. Table 12, below, gives this information. The Indian race had a higher per cent of fetal deaths before labor than the Negro or the white races. The percentages were 64.4, 59.2 and 52.6, respectively.

Table 12

Resident Stillbirths According to Whether Death Occurred Before or During Labor, by Race, Number and Per Cent Oklahoma, 1949

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Stillbirths	860	100.0	685	100.0	130	100.0	45	100.0
Before labor	466	54.2	360	52.6	77	59.2	29	64.4
During labor	262	30.5	222	32.4	32	24.6	8	17.8
Not stated	132	15.3	103	15.0	21	16.2	8	17.8

TOTAL DEATHS

Deaths of Oklahoma residents totaled 19,346 in 1949, for a crude rate of 8.6 per 100,000 estimated population. Rates for the Negro and Indian populations, 10.9 and 9.2, respectively, were higher than the white rate of 8.4.

LEADING CAUSES OF DEATH

Concurrent with the increase in the proportion of the population age 65 and over has been an increase in the number and percentage of deaths due to diseases of older people. Table 13, below, shows a comparison of these percentages for Oklahoma.

Table 13

Change in Proportion of Deaths Due to Leading Causes in Relation to Aging Population, Oklahoma

	1920	1930	1940	1949
Per cent of population Age 65 and over	3.2	4.1	6.1	7.1[1]
Per cent of total deaths Assigned to:				
Diseases of the heart	4.7	11.4	18.7	30.3
Malignant neoplasms	3.8	6.1	9.5	13.2
Vascular lesions affecting central nervous system	5.9	7.1	9.2	11.4

Over one-half of the deaths in 1949 were due to the three leading causes: diseases of the heart, malignant neoplasms, and vascular lesions affecting the central nervous system. In 1920, pneumonia, influenza, accidents and tuberculosis were the four leading causes of death and cerebral hemorrhage, heart disease and cancer were in sixth, eighth, and tenth places, respectively. By 1930 the picture had changed somewhat and heart disease had moved up to the top position as the leading cause of death, with cerebral hemorrhage fourth and cancer seventh; by 1940 these three causes were in the first three positions as causes of death as they were in 1949.

The leading causes of death vary for the different racial groups and age groups. Tuberculosis, which was the seventh leading cause of death for the Negro group and eighth for the white, was second in importance as a cause of death among the Indians in 1949. Heart disease, while the leading cause of death for all racial groups, was not the first cause of death for any age group under age 35. Accidents was the leading cause of death for all age groups between 5 and 34 but was only fourth on the list for the total population.

[1]Estimated as of July 1, 1948. *Current Population Reports, Population Estimates*, Series P-25, Nos. 26 and 37, Bureau of the Census, Department of Commerce.

Both suicide and homicide were listed among the eight leading causes of death for groups between the ages 15 and 45, but the total number of deaths for these age groups was small in comparison to those in groups 45 years of age and over. Complications of pregnancy, childbirth and the puerperium as a group was a leading cause of death for the two ten-year age groups 15-24 and 25-34 but, of course, maternal causes were not important causes of death for other age groups. Other interesting facts relating to the leading causes of death for racial and age groups may be found in Table III on page 41.

Heart Disease

Heart disease was responsible for 5,856 deaths in Oklahoma in 1949, a rate of 261.4 deaths per 100,000 population. This was the highest number and rate on record, but in line with the same general upward trend in Oklahoma that has been continuous from as far back as the records are available. The 1949 rate has been accelerated to some extent by the change in coding procedures as explained in the section on cause of death classification; the rate of 240.9 deaths per 100,000 population based on deaths assigned to heart diseases according to the fifth revision of the International List was also higher than that for any preceding year, however.

Race, sex and age all seemed to be significant factors in the heart disease deaths. The rate for the white population, 265.0 per 100,000 population, was higher than for the Negro or Indian, 249.8 and 175.8, respectively. One-third of the total male deaths were attributed to diseases of the heart and only 25.8 per cent of the female deaths were attributed to diseases of the heart. The age distribution of the heart disease deaths varied some for each race-sex group, but for all groups more than fifty per cent of the deaths were age 65 or over; 67.8 per cent of the total number of heart disease deaths were age 65 or over. Approximately 38 per cent of all deaths age 65 or over were due to heart disease.

The arteriosclerotic and degenerative heart diseases led the list with 4,146 deaths, 71 per cent of the total heart disease deaths. Approximately 17 per cent of the heart disease deaths were assigned to the hypertensive heart diseases, 4 per cent to the chronic rheumatic heart diseases, and 9 per cent to other diseases of the heart. Statistics for these four major groups are included in the tables in the appendix.

Due to the high proportion of the heart disease deaths assigned to the arteriosclerotic and degenerative diseases, the pattern for that group of diseases as to race, sex and age seemed to be somewhat the same as for all heart diseases as a group. The rate for arteriosclerotic and degenerative heart disease was the highest for each of the three racial groups, with the white rate higher than for the other two races. Rates for the other three major heart disease groups, however, were higher for the Negroes than for the whites or Indians. The race-specific rates are shown in Table I in the appendix.

Malignant Neoplasms

Malignant neoplasms, including the leukemias and neoplasms of the lymphatic and hematopoietic system, was second in importance as a cause of death in 1949 and accounted for 13.2 per cent of the total deaths.

Although age seemed to be one of the most significant factors in cancer deaths, sex and race were important too, especially for some sites of malignant neoplasm. For the total population about 114.2 cancer deaths occurred to every 100,000 people. The rate for the white population was 117.3 and for the Negro and Indian, 86.1 and 84.0, respectively. Distribution of the deaths for the racial groups by site is shown on Table I in the appendix.

About 75 per cent of the cancer deaths were fifty-five years of age or over. The proportion of deaths in the older age groups varied according to site; almost 97 per cent of the deaths due to cancer of the prostate were 55 years of age and over, with 44.5 per cent 75 and over. Less than half the deaths from cancer of the cervix uteri and leukemia and aleukemia were over 55 years of age but for all other sites a majority of the deaths were 55 or over.

More of the male deaths were due to cancer of the prostate and cancer of the stomach than any other sites, with 31 per cent of the male cancer deaths assigned to those two sites. The uterus and breast were the most common sites for the females, accounting for 38 per cent of the female cancer deaths. The men died more frequently from cancer of all sites common to both sexes than did the females, except from cancer of the intestines which accounted for a few more female deaths than male. One male death was assigned to cancer of the breast though this is unusual. The sex distribution of the deaths for each site is shown in Table 14.

Table 14

Sex Distribution of Deaths from Malignant Neoplasms for Each Site
Oklahoma, 1949

Site	Male	Female	Site	Male	Female
Total	1307	1,251	Cervix uteri	-	114
			Other of uterus	-	150
Buccal cavity and			Prostate	209	-
pharynx	45	15	Skin	39	21
Esophagus	15	8	Bone and connective		
Stomach	201	102	tissue	22	16
Intestines	103	138	Other and unspecified		
Rectum	39	33	sites	343	342
Larynx	21	2	Leukemia and aleukemia	60	41
Trachea, bronchus,			Lymphosarcoma and		
lung	158	31	other of lymphatic and		
Breast	1	210	hematopoietic system	51	28

Vascular Lesions of the Central Nervous System

The number of deaths from vascular lesions of the central nervous system has increased almost constantly over the last twenty-year period. In 1928, 61.5 deaths per 100,000 population were assigned to this cause; in 1949, the rate was 98.1 which was the highest on record, except in 1943 when a rate of 98.6 was recorded. There was considerable variance in the rates for the racial groups in 1949, with a high rate of 150.8 for the Negroes and a low rate of 55.4 for the Indians as compared to a rate of 95.4 for the whites. Sex differences were not large; 47.6 per cent of the deaths were female. Age, however, was an important factor; less than one per cent of the deaths were under 35 years of age and 78.1 per cent were sixty-five and over.

Accidents

Accidents made up the fourth leading cause of death in 1949, accounting for 7.6 per cent of the total deaths. The rate of 65.9 per 100,000 estimated population shows no significant change from the rates in previous years, but the interest in accident prevention and safety procedures has grown considerably in recent years.

Due to this widespread interest and increasing demand for accident statistics, Part III of Public Health Statistics has been published for the first time. The bulletin contains more detailed statistics as to the types of accidents most frequently resulting in deaths, and the race, sex, and age distribution of these accidental deaths.

Congenital Malformations and Certain Diseases of Early Infancy

The proportionately large number of deaths of infants under one year of age assigned to "congenital malformations and certain diseases of early infancy" has made that the fifth leading cause of death in Oklahoma. Since all but 4.3 per cent of the deaths assigned to these conditions were under one year of age (49 of the deaths due to congenital malformations were in older age groups), discussion of congenital malformations and diseases of early infancy is included in the section on Infant and Neonatal Deaths.

Pneumonia

Although pneumonia was in sixth position as a leading cause of death in 1949, the number of deaths was little more than a third of what it was in 1920 when pneumonia was the leading cause of death and there were 1,582 deaths assigned to that cause.

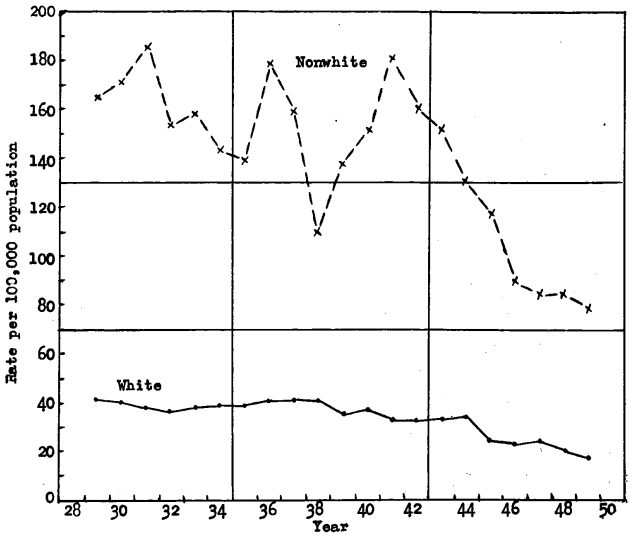
The combined rate for all pneumonia deaths among the Indians was 66.5 deaths per 100,000 population which was higher than the rates of 37.5 and 22.7 for the Negro and white groups, respectively. The very young and the older population seemed to be the most affected; adding in the 39 pneumonia deaths of infants under 28 days of age, which were included in another category, 25.2 per cent of the total 599 pneumonia deaths were under one year of age and 48.1 per cent were sixty-five and over.

Tuberculosis

The new low rate of 23.5 deaths from tuberculosis per 100,000 population in 1949 was less than half of what it was in 1929 when the rate was 54.7. Although the disease has been more of a problem among the Negroes and Indians than among the white population, the death rate for the nonwhite population has decreased even faster than it has for the white groups since 1941, as shown in Chart 1. The nonwhite tuberculosis death rate has shown a 56.7 per cent decrease since the 1941 figure; the white tuberculosis death rate has shown a 46.2 per cent decrease.[1]

Chart 1

Tuberculosis Death Rates, by Race
Oklahoma, 1929 - 1949



Along with the decline in the tuberculosis death rate has been a shift in the age distribution of the deaths, with an increase in the proportion of tuberculosis deaths in older age groups. In 1940, 22.4 per cent of the tuberculosis deaths were between the ages 25-34, the highest per cent for any ten-year age group. By 1949, the highest percentage for a ten-year age group was 18.6 for the age group 45-54.

[1]See also *Tuberculosis in Oklahoma*, Revised October, 1950, published by the Division of Tuberculosis Control, Oklahoma State Department of Health.

Tuberculosis in mental institutions has been recognized as a special problem for a number of years and much has been done for the early diagnosis and care of these patients. Still, over ten per cent of the total tuberculosis deaths occur in these institutions, though the State's mental hospitals have only about three per cent of the total deaths from all causes. The proportionate mortality from tuberculosis for each age group, with one exception, was higher in the mental institutions than in the general population as shown on Table 15, with very high proportions of deaths in the age groups 15-44 due to tuberculosis.

Table 15

Proportionate Mortality from Tuberculosis in State Mental Institutions and in the General Population, by Age, Oklahoma, 1949

Age in Years	Mental Institutions*			General Population		
	Total Deaths	Tuberculosis Deaths		Total Deaths	Tuberculosis Deaths	
		Number	Per Cent		Number	Per Cent
All ages	572	54	9.4	19,346	528	2.7
Under 15	19	1	5.3	2,183	34	1.6
15 - 24	26	8	30.8	500	39	7.8
25 - 34	15	10	66.7	554	70	12.6
35 - 44	36	16	44.4	975	97	9.9
45 - 54	65	10	15.4	1,695	98	5.8
55 - 64	67	2	3.0	2,849	97	3.4
65 - 74	143	4	2.8	4,312	57	1.3
75 & Over	197	2	1.0	6,238	34	0.5
Unknown	4	1	25.0	40	2	5.0

*State operated mental institutions.

Nephritis and Nephrosis

The death rate for nephritis and nephrosis has been greatly reduced by the change in coding procedures, as explained in the discussion on comparability ratios, and adjustments of rates must be made for any comparison with rates for previous years. Using the fifth revision of the International List and coding procedures, 1,067 deaths were assigned to this cause which would have placed it as the sixth leading cause of death instead of the eighth, and the rate of 47.6 per 100,000 estimated population would have shown no significant change from rates of previous years.

Using the sixth revision of the List and coding procedures, the rate of 64.7 for the Negro population was considerably higher than the rate of 19.0 for the whites and 17.5 for the Indians. Most of the deaths assigned to these causes were in the older age groups, with 65.4 per cent of the deaths sixty-five years of age or older.

COMMUNICABLE DISEASES

Thirty years ago (1918-1920) measles, whooping cough and diphtheria killed an average of 600 people a year in Oklahoma; during the last three years the number of deaths from the same three diseases was down to less than 60 per year. Deaths from these diseases in 1949 occurred almost exclusively in the younger age groups: the seven deaths from diphtheria were under fifteen years of age, all but three of the thirty deaths from measles were under fifteen, and the seven deaths from whooping cough were under one year of age.

Typhoid and paratyphoid fevers, too, have been greatly reduced from an average of 388 deaths thirty years ago to about seven deaths a year. In 1949 there were three deaths from typhoid fever and two from paratyphoid fever. Dysenteries accounted for 28 deaths in 1949 as compared to an average of 123 in 1920-1922; diarrhea and enteritis deaths dropped from 745 annually to 121 in the same period of time.

Deaths from scarlet fever have been reduced until the one recorded in 1949 was the only one in the last three years; in 1920-1922 there were 25 deaths annually from the disease. Deaths from streptococcal sore throat, however, have been recorded more frequently - 14 in 1949. The data for this disease do not go back beyond 1944, when 16 deaths were recorded, so that any significant changes in the death rates in Oklahoma are unknown.

The number of cases and deaths from poliomyelitis in 1949 were the highest in the history of the State, with 1,322 cases reported and 109 deaths. Most of the deaths, 107, occurred in the white population, with 61 per cent males and approximately 67 per cent under fifteen years of age.

More statistics indicating the progress made in communicable disease control and the problems still outstanding, are published in Part I of Public Health Statistics of Oklahoma, Reportable Diseases.

MATERNAL DEATHS

During the past decade, the number of deaths attributed to maternal causes has decreased 62.3 per cent, so that in 1949 only 69 deaths were attributed to causes of pregnancy, childbirth or the puerperium. Of every 1,000 births (live births and stillbirths) that occurred to residents of the State, only 1.3 resulted in death to the mother.

The races in order of highest maternal death rates (per 1,000 live births) were Negro, Indian and white as shown in Table 16 below. Also shown are the specific causes, of which toxemias of pregnancy and the puerperium produced almost one-third of the deaths. Sepsis during childbirth and the puerperium and hemorrhage of childbirth and the puerperium were assigned as the origin of the majority of the other maternal deaths.

Table 16

Maternal Deaths by Cause, by Race, Number and Rate*, Oklahoma, 1949

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes.	69	1.4	49	1.1	14	3.8	6	2.9
Sepsis of pregnancy (640-641). .	-	-	-	-	-	-	-	-
Toxemias of pregnancy (642). . .	17	0.3	11	0.2	4	1.1	2	1.0
Hemorrhage of pregnancy (643-644)	1	0.0	1	0.0	-	-	-	-
Other complications of pregnancy (646-649).	1	0.0	1	0.0	-	-	-	-
Ectopic pregnancy without mention of sepsis (645.0).	5	0.1	3	0.1	1	0.3	1	0.5
Ectopic pregnancy with mention of sepsis (645.1).	-	-	-	-	-	-	-	-
Abortion without mention of sepsis or toxemia (650). . . .	4	0.1	3	0.1	-	-	1	0.5
Abortion with mention of sepsis (651).	3	0.1	2	0.0	-	-	1	0.5
Abortion with toxemia (652). . .	1	0.0	1	0.0	-	-	-	-
Delivery without complications (660).	-	-	-	-	-	-	-	-
Hemorrhage of childbirth (670-672)	10	0.2	8	0.2	2	0.5	-	-
Sepsis of childbirth and the puerperium (681-682, 684). . .	12	0.2	9	0.2	2	0.5	1	0.5
Toxemias of the puerperium (685-686).	5	0.1	3	0.1	2	0.5	-	-
Other complications of childbirth and the puerperium (673-680, 683, 687-689). . . .	10	0.2	7	0.2	3	0.8	-	-

*Number per 1,000 live births.

Table 17 breaks down the 69 deaths by cause and by age group. The average age at delivery was 31 years compared with 26 years[1] for mothers of live births in 1949. Maternal deaths were the fourth leading cause of death in the 15-24 year age group, and the seventh leading cause in the 25-34 year age group.

[1]Unpublished tabulation: "Resident Live Births by Birth Weight and Race, By Age of Mother, Oklahoma, 1949." Division of Statistics, Oklahoma State Department of Health.

Table 17

Maternal Deaths by Cause, by Age
Oklahoma, 1949

Cause of Death	Age							
	-15	15-19	20-24	25-29	30-34	35-44	45-54	55+
All maternal causes.	-	9	14	10	8	27	1	-
Sepsis of pregnancy, childbirth and the puerperium	-	-	4	3	3	2	-	-
Toxemias of pregnancy and the puerperium	-	4	3	4	2	10	-	-
Hemorrhage of pregnancy and childbirth	-	-	3	1	1	5	1	-
Abortion without mention of sepsis or toxemia.	-	1	-	-	1	2	-	-
Abortion with sepsis	-	1	2	-	-	-	-	-
Other complications of pregnancy, childbirth and the puerperium.	-	3	2	2	1	8	-	-

The women whose pregnancies lasted full term had less complications during pregnancy than those whose gestation period was terminated prematurely and in approximately four-fifths of all the cases, death occurred after delivery.[1]

INFANT DEATHS

The 1,529 deaths of infants in 1949 was the lowest number reported, giving a rate of 30.6 deaths per 1,000 live births, Table 20. In 1948 there were 1,721 deaths, a rate of 34.1. The lowest rates were for the white infants with Negroes and Indians showing a rate almost twice as high.

Almost 69 per cent, 1,049, of all deaths under one year of age were assigned to congenital malformations, injury at birth, immaturity or other diseases peculiar to early infancy. This group of diseases ranked as the fifth leading cause of death for the total population. It is interesting to note that the death rates from congenital malformations and injuries at birth were lower for Indians than for Negroes and whites. Rates for the other causes of death in this group did not show as much variation for the three racial groups. Over one-half of the deaths assigned to this group of diseases occurred during the first day of life and 92 per cent during the first month.

A special study involving the matching of birth and death certificates of infant deaths occurring in 1949 with Oklahoma as place of residence is now in progress. More detailed information on infant mortality will be included in this study.

[1]Division of Statistics, Oklahoma State Department of Health, *Maternal Mortality Study, Oklahoma 1949.* Unpublished administrative study.

Table 18

Deaths Under One Year by Cause, by Race, Number and Rate*,
Oklahoma, 1949

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Infant deaths, all causes.	1529	30.6	1247	28.2	179	49.1	103	50.2
Syphilis and its sequelae (020). .	7	0.1	1	0.0	3	0.8	3	1.5
Whooping cough (056)	7	0.1	4	0.1	1	0.3	2	1.0
Other infective and parasitic diseases (1-19,21-55,57-138) . .	42	0.8	27	0.6	11	3.0	4	1.9
Pneumonia (490-493, 763)	151	3.0	98	2.2	26	7.1	27	13.2
Other diseases of the respiratory system (470-475,480-483,500-527)	32	0.6	17	0.4	11	3.0	4	1.9
Gastro-enteritis and colitis (571-572, 764)	61	1.2	39	0.9	13	3.6	9	4.4
Other diseases of the digestive system (530-570, 573-587). . . .	28	0.6	20	0.5	6	1.6	2	1.0
Congenital malformations (750-759)	194	3.9	175	4.0	15	4.1	4	1.9
Injury at birth (760-761).	157	3.1	140	3.2	13	3.6	4	1.9
Immaturity (774, 776).	379	7.6	335	7.6	29	8.0	15	7.3
Other certain diseases of early infancy (762, 765-773)	319	6.4	278	6.3	26	7.1	15	7.3
Accidents (E800-E962).	53	1.1	43	1.0	10	2.7	-	-
Other defined causes	55	1.1	45	1.0	8	2.2	2	1.0
Symptoms and ill-defined conditions (780-793, 795)	44	0.9	25	0.6	7	1.9	12	5.8

*Number per 1,000 live births.

Deaths of Infants Under One Month of Age

Neonatal deaths formed by far the majority of infant deaths, 1,090 or 71.3 per cent. The proportion was smaller, however, for the Negro and Indian races than for the white - 58.1, 54.4 and 74.6 per cent, respectively. The mortality rates for white, Negro and Indian infants under one month were 21.0, 28.5 and 27.3, respectively (Table 19).

Immaturity was responsible for more deaths than any other disease or condition, although the number of deaths assigned to this cause alone has been greatly reduced by the inclusion of prematurity as a subtitle for each of the diseases peculiar to early infancy, as explained in the section on the comparability ratio. Injury at birth and congenital malformations also were primary causes.

Death rates for pneumonia and other respiratory diseases and the enteric diseases for these very young infants were noticeably higher among the Negro and Indian races than among the whites.

Table 19

Deaths Under One Month by Cause, by Race, Number and Rate*, Oklahoma, 1949

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Neonatal deaths, all causes	1090	21.8	930	21.0	104	28.5	56	27.3
Syphilis and its sequelae (020)	4	0.1	-	-	1	0.3	3	1.5
Whooping cough (056)	1	0.0	-	-	-	-	1	0.5
Other infective and parasitic diseases (1-19,21-55,57-138)	8	0.2	4	0.1	3	0.8	1	0.5
Pneumonia (490-493, 763)	39	0.8	24	0.5	7	1.9	8	3.9
Other diseases of the respiratory system (470-475,480-483,500-527)	9	0.2	6	0.1	2	0.5	1	0.5
Gastro-enteritis and colitis (571-572, 764)	9	0.2	4	0.1	4	1.1	1	0.5
Other diseases of the digestive system (530-570, 573-587)	6	0.1	4	0.1	2	0.5	-	-
Congenital malformations (750-759)	139	2.8	126	2.8	10	2.7	3	1.5
Injury at birth (760-761)	157	3.1	140	3.2	13	3.6	4	1.9
Immaturity (774, 776)	372	7.4	328	7.4	29	8.0	15	7.3
Other certain diseases of early infancy (762, 765-773)	297	5.9	262	5.9	22	6.0	13	6.3
Accidents (E800-E962)	13	0.3	9	0.2	4	1.1	-	-
Other defined causes	12	0.2	10	0.2	2	0.5	-	-
Symptoms and ill-defined conditions (780-793, 795)	24	0.5	13	0.3	5	1.4	6	2.9

*Number per 1,000 live births.

Over one-half of the neonatal deaths were in infants not yet one day old and approximately 87 per cent died within the first week after birth, Table 20.

The 241 deaths of infants less than one day old constituted 63.6 per cent of the total number of deaths assigned to this cause. About 60.5 per cent of the deaths due to birth injuries, 45.8 per cent of the deaths assigned to "other certain diseases of infancy," and 24.7 per cent of the deaths attributed to congenital malformations occurred during the first day of life.

Table 20

Deaths Under One Month of Age, by Cause, by Age Oklahoma, 1949

Cause of Death	Age in Days									
	Under 1	1	2	3	4	5	6	7-13	14-20	21-29
Neonatal deaths, all causes.	553	178	83	58	25	26	20	64	46	37
Syphilis and its sequelae. .	2	1	-	-	-	-	-	1	-	-
Whooping cough	-	-	-	-	-	-	-	-	-	1
Other infective and parasitic diseases	-	-	-	1	-	1	2	2	-	2
Pneumonia.	2	3	3	2	1	1	4	11	8	4
Other diseases of the respiratory system.	2	1	-	1	-	-	-	-	5	-
Gastro-enteritis and colitis	-	-	-	1	-	-	-	2	4	2
Other diseases of the digestive system.	1	-	-	2	-	1	1	-	1	-
Congenital malformations . .	48	21	14	8	4	7	3	14	12	8
Injury at birth.	95	19	19	8	4	3	4	3	1	1
Immaturity	241	60	17	14	7	7	3	11	6	6
Other certain diseases of early infancy.	146	67	24	16	9	6	3	11	6	9
Accidents.	-	2	-	3	-	-	-	4	2	2
Other defined causes	7	2	2	-	-	-	-	1	-	-
Symptoms and ill-defined conditions	9	2	4	2	-	-	-	4	1	2

Deaths of Infants One to Eleven Months of Age

Only 439 of the 1,529 deaths in infants were one to eleven months old (Table 21). Approximately one-fourth of these were one month old with the number of deaths diminishing as the months of life increased.

The four leading causes of death in this group were pneumonia, congenital malformations, gastro-enteritis and colitis, and accidents. Almost one-half of the accidents occurred to infants under three months of age and, in general, were due to smothering in bed by bed covers or parent.

All but one of the total whooping cough deaths were in this age group and these were in infants one to seven months of age; the one other whooping cough death for the year was under one month of age. The syphilis deaths in the infants one-eleven months of age were all under five months.

Immaturity, the first cause of death in neonatals, was responsible for only seven deaths, all under six months of age.

Table 21

Deaths One to Eleven Months of Age, by Cause, by Age
Oklahoma, 1949

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Infant deaths, all causes. .	439	102	57	52	49	34	33	26	51	35
Syphilis and its sequelae. .	3	-	1	1	1	-	-	-	-	-
Whooping cough	6	1	-	2	-	1	-	2	-	-
Other infective and parasitic diseases	34	4	4	4	4	5	3	3	5	2
Pneumonia.	112	19	14	12	6	11	13	8	15	14
Other diseases of the respiratory system.	23	2	2	3	8	3	1	-	4	-
Gastro-enteritis and colitis	52	13	8	6	9	2	2	3	6	3
Other diseases of the digestive system.	22	6	1	3	3	2	1	2	2	2
Congenital malformations . .	55	25	7	6	2	3	5	1	3	3
Injury at birth.	-	-	-	-	-	-	-	-	-	-
Immaturity	7	3	2	1	-	1	-	-	-	-
Other certain diseases of early infancy.	22	9	2	5	1	1	1	1	1	1
Accidents.	40	8	10	4	3	4	2	3	2	4
Other defined causes	43	7	2	3	9	1	3	3	10	5
Symptoms and ill-defined conditions	20	5	4	2	3	-	2	-	3	1

APPENDIX

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, 1930-1949

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

	1930		1931		1932		1933		1934	
Estimated population, July 1	2,394,550		2,388,589		2,382,629		2,376,668		2,370,708	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
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 poliocncephalitis (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 (39o).	-	-	-	-	-	-	-	-	-	-
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 genito-urinary 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.
Source: 1930 through 1936 - Vital Statistics of the United States, Bureau of the Census annual publications, by place of occurrence; 1937 through 1949 - Oklahoma State Department of Health records, by place of residence.

TABLE A. BIRTHS, DEATHS AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1949 - Continued

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

	1935		1936		1937		1938		1939	
Estimated population, July 1	2,364,747		2,358,786		2,352,826		2,346,865		2,340,905	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
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)	257	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 poliocncephalitis (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 (39o).	-	-	-	-	-	-	-	-	-	-
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	1,804	76.7	1,488	63.4	1,387	59.3
Other diseases of the respiratory system (104-106, 110-114)	240	10.1	247	10.5	218	9.3	225	9.6	234	10.0
Diarrhea & enteritis under 2 yrs. (119)	329	13.9	387	16.4	337	14.3	246	10.5	221	9.4
Diarrhea & enteritis over 2 yrs. (120)	112	4.7	151	6.4	146	6.2	141	6.0	133	5.7
Appendicitis (121).	353	14.9	374	15.9	323	13.7	290	12.4	357	15.3
Hernia, intestinal obstruction (122)	213	9.0	224	9.5	222	9.4	205	8.7	216	9.2
Cirrhosis of the liver (124). . . .	110	4.7	115	4.9	98	4.2	95	4.0	104	4.4
Other diseases of the digestive system (115-118, 123, 125-129). .	562	23.8	536	22.7	517	22.0	504	21.5	603	25.8
Nephritis (130-132)	1,319	55.8	1,467	62.2	1,579	67.1	1,479	63.0	1,268	54.2
Other diseases of the genito-urinary system (133-139).	312	13.2	371	15.7	236	10.0	215	9.2	271	11.6
Diseases of pregnancy, childbirth, and the puerperium (140-150) ∕. .	256	5.9	259	6.2	200	4.9	176	4.0	183	4.3
Septicemia (140, 142a, 147) ∕ . . .	135	3.0	101	2.4	64	1.6	59	1.3	63	1.5
Congenital malformations, diseases peculiar to first year of life (157-161)	1,085	45.9	1,182	50.1	1,204	51.2	1,164	49.6	1,225	52.3
Senility (162).	419	17.7	440	18.7	384	16.3	359	15.3	400	17.1
Suicide (163-164)	251	10.6	235	10.0	266	11.3	264	11.2	221	9.4
Homicide (165-168).	221	9.3	219	9.3	167	7.1	173	7.4	170	7.3
Motor vehicle accidents (170) . . .	684	28.9	657	27.9	633	26.9	589	25.1	519	22.2
Other accidents (169, 171-195). . .	1,040	44.0	1,267	53.7	940	40.0	1,030	43.9	982	41.9
Other defined causes (59, 151-156, 196-198).	110	4.7	110	4.7	78	3.3	95	4.0	109	4.7
Ill defined and unknown (199, 200).	380	16.1	421	17.8	563	23.9	670	28.5	670	28.6

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1949 - Continued

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

	1940		1941		1942		1943		1944	
Estimated population, July 1	2,315,995		2,234,237		2,152,479		2,070,721		2,029,842	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live Births*	44,258	19.1	45,313	20.3	45,277	21.0	47,800	23.1	46,885	23.1
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 †	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	9.0	18,985	8.8	19,765	9.5	18,438	9.1
Deaths under 1 year †	2,236	50.4	2,181	48.1	1,901	42.0	2,071	43.3	1,874	40.0
Deaths under 1 month †	1,311	29.6	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	1.6	38	1.8	23	1.1	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	0.5	30	1.4	16	0.8
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	5.5	48	2.2	86	4.2	41	2.0
Diphtheria (10)	73	3.2	67	3.0	54	2.5	25	1.2	33	1.6
Tetanus (12)	26	1.1	12	0.5	9	0.4	17	0.8	10	0.5
Tuberculosis, all forms (13-22)	1,125	48.6	1,063	47.6	973	45.2	929	44.9	892	43.9
Respiratory system (13)	1,031	44.5	972	43.5	907	42.1	856	41.3	828	40.8
Tularemia (26a)	5	0.2	3	0.1	4	0.2	2	0.1	1	0.0
Dysentery (27)	73	3.2	58	2.6	81	3.8	54	2.6	59	2.9
Malaria (28)	22	0.9	53	2.4	21	1.0	30	1.4	20	1.0
Syphilis (30)	265	11.4	225	10.1	172	8.0	211	10.2	182	9.0
Influenza (33)	589	25.4	541	24.2	237	11.0	296	14.3	353	17.4
Smallpox (34)	-	-	-	-	-	-	-	-	-	-
Measles (35)	3	0.1	20	0.9	89	4.1	4	0.2	34	1.7
Acute poliomyelitis and acute polioencephalitis (36)	20	0.9	15	0.7	15	0.7	33	1.6	6	0.3
Acute infectious encephalitis (37)	12	0.5	11	0.5	8	0.4	8	0.4	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	3.8	64	3.0	77	3.7	57	2.8
Cancer (45-55)	1,962	84.7	1,960	87.7	1,967	91.4	1,958	94.6	2,054	101.2
Other tumors (56-57)	97	4.2	120	5.4	117	5.4	108	5.2	124	6.1
Acute rheumatic fever (58)	39	1.7	26	1.2	22	1.0	25	1.2	23	1.1
Diabetes mellitus (61)	331	14.3	342	15.3	334	15.5	382	18.4	327	16.1
Pellagra (69)	52	2.2	58	2.6	59	2.7	48	2.3	49	2.4
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71)	70	3.0	61	2.7	74	3.4	77	3.7	80	3.9
Diseases of the blood and blood forming organs (72-76)	122	5.3	150	6.7	141	6.6	165	8.0	134	6.6
Chronic poisoning and intoxication (77-79)	40	1.7	38	1.7	24	1.1	24	1.2	31	1.5
Cerebral hemorrhage, embolism, thrombosis, softening (83)	1,892	81.7	1,814	81.2	1,922	89.3	2,041	98.6	1,856	91.4
Other diseases of nervous system and sense organs (80-82, 84-89)	375	16.2	290	13.0	276	12.8	258	12.5	264	13.0
Diseases of the heart (90-95)	3,860	166.6	4,235	189.6	4,137	192.2	4,372	211.1	4,255	209.6
Diseases of the arteries (96-99)	311	13.4	277	12.4	306	14.2	357	17.2	319	15.7
Other diseases of the circulatory system (100-103)	56	2.4	37	1.7	38	1.8	63	3.0	62	3.1
Pneumonia, all forms (107-109)	1,358	58.6	1,134	50.8	980	45.5	999	48.2	921	45.4
Other diseases of the respiratory system (104-106, 110-114)	209	9.0	199	8.9	212	9.8	226	10.9	247	12.2
Diarrhea & enteritis under 2 yrs. (119)	231	10.0	109	4.9	127	5.9	143	6.9	161	7.9
Diarrhea & enteritis over 2 yrs. (120)	112	4.8	66	3.0	52	2.4	77	3.7	64	3.2
Appendicitis (121)	302	13.0	257	11.5	182	8.5	164	7.9	156	7.7
Hernia, intestinal obstruction (122)	223	9.6	186	8.3	173	8.0	178	8.6	180	8.9
Cirrhosis of the liver (124)	119	5.1	96	4.3	103	4.8	115	5.6	85	4.2
Other diseases of the digestive system (115-118, 123, 125-129)	446	19.3	410	18.4	425	19.7	408	19.7	444	21.9
Nephritis (130-132)	1,467	63.3	1,316	58.9	1,161	53.9	1,258	60.7	1,148	56.6
Other diseases of the genito-urinary system (133-139)	265	11.4	259	11.6	245	11.4	229	11.1	246	12.1
Diseases of pregnancy, childbirth, and the puerperium (140-150) †	162	3.7	134	3.0	145	3.2	109	2.3	112	2.4
Septicemia (140, 142a, 147) †	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	60.9	1,093	50.8	1,250	60.4	1,155	56.9
Senility (162)	488	21.1	450	20.1	556	25.8	612	29.6	495	24.4
Suicide (163-164)	197	8.5	207	9.3	168	7.8	151	7.3	149	7.3
Homicide (165-168)	147	6.3	135	6.0	127	5.9	99	4.8	91	4.5
Motor vehicle accidents (170)	474	20.5	511	22.9	343	15.9	294	14.2	330	16.3
Other accidents (169, 171-195)	869	37.6	942	42.2	1,110	51.6	1,117	53.9	1,040	51.2
Other defined causes (59, 151-156, 196-198)	50	2.1	69	3.1	69	3.2	84	4.1	81	4.0
Ill defined and unknown (199, 200)	576	24.9	522	23.4	464	21.6	537	25.9	27	1.3

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1949 - Continued

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

	1945		1946		1947		1948		1949	
Estimated population, July 1	2,383,968		2,382,437		2,312,586		2,334,455		2,239,731	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live Births*	43,405	18.2	50,043	21.0	52,691	22.8	50,428	21.6	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 †	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	7.9	18,420	7.7	19,101	8.3	19,074	8.2	19,346	8.6
Deaths under 1 year †	1,727	39.8	1,641	32.8	1,716	32.6	1,721	34.1	1,529	30.6
Deaths under 1 month †	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	1.0	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	2.0	25	1.0	41	1.8	46	2.0	8	0.4
Diphtheria (10)	51	2.1	26	1.1	15	0.6	16	0.7	7	0.3
Tetanus (12)	9	0.4	7	0.3	8	0.3	7	0.3	7	0.3
Tuberculosis, all forms (13-22)	823	34.5	704	29.5	707	30.6	622	26.6	549	24.5
Respiratory system (13)	770	32.3	653	27.4	664	28.7	581	24.9	509	22.7
Tularemia (26a)	4	0.2	2	0.1	1	0.0	3	0.1	1	0.0
Dysentery (27)	53	2.2	9	0.4	18	0.8	28	1.2	28	1.3
Malaria (28)	19	0.8	11	0.5	1	0.0	6	0.3	4	0.2
Syphilis (30)	173	7.3	192	8.1	176	7.6	162	6.9	142	6.3
Influenza (33)	225	9.4	190	8.0	202	8.7	119	5.1	76	3.4
Smallpox (34)	-	-	-	-	-	-	-	-	-	-
Measles (35)	4	0.2	31	1.3	-	-	7	0.3	31	1.4
Acute poliomyelitis and acute polioencephalitis (36)	13	0.5	34	1.4	2	0.1	35	1.5	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	2.5	68	2.9	62	2.7	52	2.2	52	2.3
Cancer (45-55)	2,212	92.8	2,224	93.4	2,354	101.8	2,490	106.7	2,519	112.5
Other tumors (56-57)	122	5.1	94	3.9	89	3.8	116	5.0	101	4.5
Acute rheumatic fever (58)	17	0.7	15	0.6	8	0.3	9	0.4	15	0.7
Diabetes mellitus (61)	356	14.9	344	14.4	353	15.3	393	16.8	443	19.8
Pellagra (69)	29	1.2	26	1.1	25	1.1	38	1.6	25	1.1
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71)	79	3.3	62	2.6	66	2.9	54	2.3	59	2.6
Diseases of the blood and blood forming organs (72-76)	171	7.2	159	6.7	179	7.7	187	8.0	173	7.7
Chronic poisoning and intoxication (77-79)	16	0.7	25	1.0	22	1.0	23	1.0	24	1.1
Cerebral hemorrhage, embolism, thrombosis, softening (83)	1,911	80.2	1,991	83.6	2,018	87.3	2,014	86.3	2,100	93.8
Other diseases of nervous system and sense organs (80-82, 84-89)	234	9.8	272	11.4	254	11.0	216	9.3	226	10.1
Diseases of the heart (90-95)	4,287	179.8	4,521	189.8	4,960	214.5	5,189	222.3	5,396	240.9
Diseases of the arteries (96-99)	328	13.8	331	13.9	357	15.4	345	14.8	418	18.7
Other diseases of the circulatory system (100-103)	84	3.5	76	3.2	91	3.9	77	3.3	80	3.6
Pneumonia, all forms (107-109)	866	36.3	768	32.2	788	34.1	725	31.1	645	28.8
Other diseases of the respiratory system (104-106, 110-114)	248	10.4	245	10.3	257	11.1	217	9.3	224	10.0
Diarrhea & enteritis under 2 yrs. (119)	113	4.7	61	2.6	57	2.5	90	3.9	73	3.3
Diarrhea & enteritis over 2 yrs. (120)	41	1.7	38	1.6	36	1.6	29	1.2	34	1.5
Appendicitis (121)	135	5.7	94	3.9	89	3.8	85	3.6	85	3.8
Hernia, intestinal obstruction (122)	196	8.2	161	6.8	151	6.5	136	5.8	151	6.7
Cirrhosis of the liver (124)	101	4.2	132	5.5	113	4.9	154	6.6	142	6.3
Other diseases of the digestive system (115-118, 123, 125-129)	364	15.3	362	15.2	375	16.2	308	13.2	352	15.7
Nephritis (130-132)	1,114	46.7	1,019	42.8	1,011	43.7	1,034	44.3	1,067	47.6
Other diseases of the genito-urinary system (133-139)	214	9.0	214	9.0	207	9.0	200	8.6	201	9.0
Diseases of pregnancy, childbirth, and the puerperium (140-150) †	99	2.3	84	1.7	88	1.7	62	1.2	71	1.4
Septicemia (140,142a,145a**,147) †	36	0.8	19	0.4	37	0.7	9	0.2	20	0.4
Congenital malformations, diseases peculiar to first year of life (157-161)	1,055	44.3	1,161	48.7	1,166	50.4	1,196	51.2	1,110	49.6
Senility (162)	491	20.6	402	16.9	414	17.9	346	14.8	287	12.8
Suicide (163-164)	154	6.5	163	6.8	143	6.2	177	7.6	180	8.0
Homicide (165-168)	133	5.6	126	5.3	148	6.4	124	5.3	127	5.7
Motor vehicle accidents (170)	429	18.0	531	22.3	527	22.8	540	23.1	550	24.6
Other accidents (169, 171-195)	1,112	46.6	966	40.5	1,064	46.0	940	40.3	1,007	45.0
Other defined causes (59, 151-156, 196-198)	81	3.4	54	2.3	62	2.7	59	2.5	74	3.3
Ill defined and unknown (199,200)	400	16.8	358	15.0	367	15.9	374	16.0	348	15.5

**145a not included until 1945.

TABLE B. RESIDENT DEATHS AND DEATH RATES BY CAUSE, CLASSIFIED BY FIFTH AND SIXTH REVISIONS OF INTERNATIONAL STATISTICAL CLASSIFICATION AND COMPARABILITY RATIOS, OKLAHOMA, 1949

Cause of Death	Sixth Revision of International List			Fifth Revision of International List			Comparability Ratio/
	List Numbers	Number of Deaths	Death Rate*	List Numbers	Number of Deaths	Death Rate*	
All causes		19,346			19,346		
Tuberculosis of respiratory system	001-008	490	21.9	13	509	22.7	0.96
Tuberculosis, other forms	010-019	38	1.7	14-22	40	1.8	0.95
Syphilis and its sequelae	020-029	121	5.4	30	142	6.3	0.85
Typhoid fever	040	3	0.1	1	4	0.2	0.75
Dysentery, all forms	045-048	28	1.3	27	28	1.3	1.00
Scarlet fever and streptococcal sore throat	050-051	15	0.7	8,115b	13	0.6	1.15
Diphtheria	055	7	0.3	10	7	0.3	1.00
Whooping cough	056	7	0.3	9	8	0.4	0.88
Meningococcal infections	057	10	0.4	6	10	0.4	1.00
Acute poliomyelitis	080	109	4.9	36	109	4.9	1.00
Smallpox	084	-	-	34	-	-	-
Measles	085	30	1.3	35	31	1.4	0.97
Typhus and other rickettsial diseases	100-108	1	0.0	39	2	0.1	0.50
Malaria	110-117	4	0.2	28	4	0.2	1.00
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	2, 5, 7, 11, 12, 23-26,29,31, 32, 37, 38, 40-44	68	3.0	0.94
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	140-205	2,558	114.2	45-55,74	2,621	117.0	0.98
Benign and unspecified neoplasms	210-239	104	4.6	56-57	101	4.5	1.03
Diabetes mellitus	260	298	13.3	61	443	19.8	0.67
Anemias	290-293	60	2.7	73	52	2.3	1.15
Vascular lesions affecting CNS	330-334	2,197	98.1	83	2,100	93.8	1.05
Nonmeningococcal meningitis	340	34	1.5	81	24	1.1	1.42
Rheumatic fever	400-402	22	1.0	58	15	0.7	1.47
Chronic rheumatic heart disease	410-416	227	10.1	90a,92be,93e,95b	225	10.0	1.01
Arteriosclerotic and degenerative heart disease	420-422	4,146	185.1	90b,91,92a, d, e			
Other diseases of heart	430-434	513	22.9	93a, b, d, e	5,171	230.9	1.09
Hypertension with heart disease	440-443	970	43.3	94, 95a, c			
Hypertension without mention of heart	444-447	222	9.9	102	56	2.5	3.96
Influenza	480-483	92	4.1	33	76	3.4	1.21
Pneumonia	490-493	560	25.0	107-109	645	28.8	0.87
Bronchitis	500-502	32	1.4	106	44	2.0	0.73
Ulcer of stomach and duodenum	540,541	90	4.0	117	111	5.0	0.81
Appendicitis	550-553	79	3.5	121	85	3.8	0.93
Intestinal obstruction and hernia	560,561,570	167	7.5	122	151	6.7	1.11
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn	543,571,572	121	5.4	119-120	107	4.8	1.13
Cirrhosis of liver	581	115	5.1	124	142	6.3	0.81
Nephritis and nephrosis	590-594	494	22.1	130-132	1,067	47.6	0.46
Hyperplasia of prostate	610	120	5.4	137a	98	4.4	1.22
Complications of pregnancy, childbirth and the puerperium	640-652,670-689	69	3.1	140-150	71	3.2	0.97
Congenital malformations	750-759	243	10.8	157	264	11.8	0.92
Birth injuries, postnatal asphyxia and atelectasis	760-762	338	15.1	160	159	7.1	2.13
Infections of the newborn	763-768	47	2.1	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified	769-776	511	22.8	158,159,161	687	30.7	0.74
Senility without mention of psychosis, ill-defined and unknown causes	780-795	597	26.7	162,199,200	635	28.4	0.94
All other diseases	Residual	1,610	71.9	Residual	1,357	60.6	1.19
Motor vehicle accidents	E810-E835	550	24.6	170	550	24.6	1.00
All other accidents	E800-E802, E840-E962	926	41.3	169,171-195	1,007	45.0	0.92
Suicide and self-inflicted injury	E963, E970-E979	180	8.0	163,164	180	8.0	1.00
Homicide and operations of war	E964, E965, E980-E999	127	5.7	165-168,196-198	127	5.7	1.00

Cause of Death for Resident Infant Deaths	Sixth Revision of International List			Fifth Revision of International List			Comparability Ratio/
	List Numbers	Number of Deaths	Death Rate*/	List Numbers	Number of Deaths	Death Rate*/	
Syphilis and its sequelae	020	7	0.1	30	6	0.1	1.17
Whooping cough	056	7	0.1	9	8	0.2	0.88
Other infective and parasitic diseases	001-019,021-138	42	0.8	1-8,10-44	52	1.0	0.81
Pneumonia	490-493,763	151	3.0	107-109	157	3.1	0.96
Other diseases of the respiratory system	470-75,480-83,500-27	32	0.6	104-106,110-114	17	0.3	1.88
Gastro-enteritis and colitis	571-572,764	61	1.2	119	67	1.3	0.91
Other diseases of the digestive system	530-570, 573-587	28	0.6	115-118, 120-129	27	0.5	1.04
Congenital malformations	750-759	194	3.9	157	209	4.2	0.93
Injury at birth	760-761	157	3.1	160	159	3.2	0.99
Immaturity	774,776	379	7.6	159	547	10.9	0.69
Other certain diseases of early infancy	762-773	319	6.4	158-161	140	2.8	2.28
Accidents	E800-E962	53	1.1	169-195	52	1.0	1.02
Other defined causes	Residual	55	1.1	Residual	51	1.0	1.08
Symptoms and ill-defined conditions	780-793,795	44	0.9	199,200	37	0.7	1.19

* Rates represent number per 100,000 estimated population.
/ Comparability ratio of deaths classified by sixth revision to deaths classified by fifth revision.
*/ Rates represent number per 1,000 live births.

TABLE C. RECORDED* BIRTHS, STILLBIRTHS, DEATHS, INFANT AND NEONATAL DEATHS, NUMBER AND RATE, BY COUNTY, OKLAHOMA, 1949

COUNTY	BIRTHS		STILLBIRTHS		DEATHS		NEONATAL DEATHS		INFANT DEATHS	
	Number	Rate**	Number	Rate/	Number	Rate**	Number	Rate/	Number	Rate/
ENTIRE STATE	49,595	22.1	863	17.4	18,850	8.4	1,063	21.4	1,494	30.1
Adair	163	11.0	5	30.7	104	7.0	7	42.9	10	61.3
Alfalfa	142	12.9	2	14.1	98	8.9	2	14.1	3	21.1
Atoka	272	18.9	4	14.7	112	7.8	6	22.1	10	36.8
Beaver	130	17.8	2	15.4	53	7.3	1	7.7	2	15.4
Beckham	639	31.2	9	14.1	197	9.6	9	14.1	15	23.5
Blaine	316	20.6	5	15.8	117	7.6	2	6.3	4	12.7
Bryan	652	21.8	16	24.5	246	8.2	19	29.1	26	39.9
Caddo	724	20.4	15	20.7	266	7.5	17	23.5	26	35.9
Canadian	321	12.5	8	24.9	190	7.4	13	40.5	17	53.0
Carter	762	20.6	15	19.7	323	8.7	11	14.4	18	23.6
Cherokee	659	34.4	13	19.7	155	8.1	7	10.6	18	27.3
Choctaw	493	23.4	11	22.3	135	6.4	15	30.4	18	36.5
Cimarron	46	10.2	-	-	18	4.0	-	-	2	43.5
Cleveland	771	19.3	11	14.3	372	9.3	11	14.3	12	15.6
Coal	94	11.2	3	31.9	49	5.8	-	-	1	10.6
Comanche	1,795	32.9	33	18.4	298	5.5	29	16.2	47	26.2
Cotton	157	15.0	1	6.4	59	5.7	10	63.7	13	82.8
Craig	356	19.2	10	28.1	301	16.2	8	22.5	10	28.1
Creek	632	14.3	11	17.4	367	8.3	11	17.4	22	34.8
Custer	594	27.9	10	16.8	302	14.2	20	33.7	24	40.4
Delaware	121	8.0	2	16.5	127	8.4	4	33.1	5	41.3
Dewey	41	4.5	-	-	43	4.7	1	24.4	1	24.4
Ellis	175	23.6	1	5.7	75	10.1	3	17.1	3	17.1
Garfield	1,539	29.6	25	16.2	607	11.7	37	24.0	45	29.2
Garvin	797	26.9	10	12.5	222	7.5	15	18.8	18	22.6
Grady	739	20.9	10	13.5	285	8.1	14	18.9	23	31.1
Grant	2	0.2	-	-	53	4.9	-	-	1	50.0
Greer	200	16.7	1	5.0	78	6.5	3	15.0	5	25.0
Harmon	142	17.2	-	-	44	5.3	5	35.2	6	42.3
Harper	37	6.2	1	27.0	27	4.5	-	-	-	-
Haskell	188	13.7	1	5.3	71	5.2	2	10.6	2	10.6
Hughes	464	21.6	11	23.7	197	9.2	12	25.9	18	38.8
Jackson	456	22.6	13	28.5	166	8.2	13	28.5	17	37.3
Jefferson	189	16.4	-	-	73	6.3	8	42.3	10	52.9
Johnston	112	10.1	2	17.9	61	5.5	4	35.7	6	53.6
Kay	1,142	23.4	22	19.3	448	9.2	18	15.8	27	23.6
Kingfisher	245	18.6	5	20.4	80	6.1	5	20.4	6	24.5
Kiowa	355	18.4	7	19.7	152	7.9	8	22.5	11	31.0
Latimer	365	37.7	11	30.1	154	15.9	3	8.2	4	11.0
LeFlore	654	18.0	20	30.6	232	6.4	12	18.3	23	35.2
Lincoln	389	17.1	8	20.6	188	8.3	6	15.4	10	25.7
Logan	463	20.7	4	8.6	272	12.2	9	19.4	12	25.9
Love	109	13.5	-	-	63	7.8	-	-	-	-
McClain	218	14.5	1	4.6	74	4.9	5	22.9	7	32.1
McCurtain	593	18.3	7	11.8	234	7.2	11	18.5	23	38.8
McIntosh	405	22.0	6	14.8	137	7.4	11	27.2	17	42.0
Major	105	10.1	-	-	57	5.5	1	9.5	2	19.0
Marshall	169	19.7	2	11.8	58	6.8	6	35.5	6	35.5
Mayes	345	17.5	7	20.3	140	7.1	2	5.8	4	11.6
Murray	213	19.3	2	9.4	136	12.3	1	4.7	1	4.7
Muskogee	1,437	21.6	33	23.0	812	12.2	33	23.0	44	30.6
Noble	98	7.9	2	20.4	88	7.1	-	-	1	10.2
Nowata	248	19.1	1	4.0	128	9.8	6	24.2	11	44.4
Okfuskee	333	18.6	5	15.0	152	8.5	11	33.0	13	39.0
Oklahoma	8,468	26.9	131	15.5	2,916	9.3	214	25.3	295	34.8
Okmulgee	980	21.9	23	23.5	397	8.9	34	34.7	41	41.8
Osage	563	16.8	11	19.5	261	7.8	12	21.3	13	23.1
Ottawa	704	21.8	13	18.5	315	9.7	14	19.9	23	32.7
Pawnee	303	21.8	6	19.8	122	8.8	6	19.8	9	29.7
Payne	1,349	29.8	13	9.6	308	6.8	23	17.0	32	23.7
Pittsburg	926	22.2	15	16.2	353	8.5	11	11.9	17	18.4
Pontotoc	771	24.4	15	19.5	295	9.3	21	27.2	28	36.3
Pottawatomie	905	20.2	16	17.7	395	8.8	20	22.1	25	27.6
Pushmataha	192	15.1	4	20.8	67	5.3	1	5.2	3	15.6
Roger Mills	32	4.1	1	31.3	29	3.7	2	62.5	2	62.5
Rogers	514	26.0	12	23.3	201	10.2	11	21.4	13	25.3
Seminole	691	16.2	19	27.5	253	5.9	19	27.5	27	39.1
Sequoyah	354	17.8	5	14.1	106	5.3	8	22.6	8	22.6
Stephens	892	26.5	15	16.8	250	7.4	18	20.2	23	25.8
Texas	301	21.8	3	10.0	62	4.5	4	13.3	5	16.6
Tillman	309	16.5	13	42.1	164	8.7	8	25.9	10	32.4
Tulsa	6,396	25.8	112	17.5	2,072	8.4	137	21.4	188	29.4
Wagoner	341	19.8	9	26.4	99	5.7	3	8.8	8	23.5
Washington	785	24.0	7	8.9	243	7.4	9	11.5	17	21.7
Washita	234	13.0	7	29.9	91	5.0	4	17.1	6	25.6
Woods	351	24.7	7	19.9	131	9.2	8	22.8	12	34.2
Woodward	428	29.4	2	4.7	224	15.4	9	21.0	9	21.0

* Place of occurrence
** Rates represent number per 1,000 estimated population
/ Rates represent number per 1,000 live births

TABLE I. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1949

	Total		White		Negro		Indian	
Estimated population, July 1, 1949	2,239,731		2,022,067		154,539		63,125	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live births*	49,971	22.3	44,272	21.9	3,647	23.6	2,052	32.5
Physician in hospital	41,078	...	37,639	...	1,730	...	1,709	...
Physician in home	7,507	...	6,293	...	1,004	...	210	...
Midwife, other, or unknown	1,386	...	340	...	913	...	133	...
Stillbirths ≠	860	17.2	685	15.5	130	35.6	45	21.9
Physician in hospital	655	...	559	...	63	...	33	...
Physician in home	167	...	113	...	48	...	6	...
Midwife, other, or unknown	38	...	13	...	19	...	6	...
Total deaths, all causes*	19,316	8.6	17,080	8.4	1,685	10.9	581	9.2
Deaths under 1 year ≠	1,529	30.6	1,247	28.2	179	49.1	103	50.2
Deaths under 1 month ≠	1,090	21.8	930	21.0	104	28.5	56	27.3
Tuberculosis of respiratory system (001-008)	490	21.9	335	16.6	87	56.3	68	107.7
Tuberculosis of meninges and central nervous system (010)	19	0.8	10	0.5	3	1.9	6	9.5
Tuberculosis of intestines, peritoneum and mesenteric glands (011)	1	0.0	1	0.0	-	-	-	-
Tuberculosis of bones and joints (012, 013)	2	0.1	1	0.0	1	0.6	-	-
Tuberculosis, all other forms (014-019)	16	0.7	11	0.5	2	1.3	3	4.8
Congenital syphilis (020)	8	0.4	2	0.1	3	1.9	3	4.8
Early syphilis (021)	-	-	-	-	-	-	-	-
Tabes dorsalis (024)	2	0.1	2	0.1	-	-	-	-
General paralysis of insane (025)	28	1.3	24	1.2	4	2.6	-	-
All other syphilis (022, 023, 026-029)	83	3.7	60	3.0	21	13.6	2	3.2
Gonococcal infection (030-035)	-	-	-	-	-	-	-	-
Typhoid fever (040)	3	0.1	3	0.1	-	-	-	-
Paratyphoid fever and other Salmonella infections (041, 042)	2	0.1	-	-	-	-	2	3.2
Cholera (043)	-	-	-	-	-	-	-	-
Brucellosis (undulant fever) (044)	2	0.1	2	0.1	-	-	-	-
Dysentery, all forms (045-048)	28	1.3	15	0.7	7	4.5	6	9.5
Scarlet fever (050)	1	0.0	1	0.0	-	-	-	-
Streptococcal sore throat (051)	14	0.6	13	0.6	1	0.6	-	-
Erysipelas (052)	2	0.1	2	0.1	-	-	-	-
Septicemia and pyemia (053)	14	0.6	13	0.6	1	0.6	-	-
Diphtheria (055)	7	0.3	5	0.2	1	0.6	1	1.6
Whooping cough (056)	7	0.3	4	0.2	1	0.6	2	3.2
Meningococcal infections (057)	10	0.4	8	0.4	2	1.3	-	-
Plague (058)	-	-	-	-	-	-	-	-
Leprosy (060)	-	-	-	-	-	-	-	-
Tetanus (061)	8	0.4	5	0.2	3	1.9	-	-
Anthrax (062)	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	109	4.9	107	5.3	-	-	2	3.2
Acute infectious encephalitis (082)	5	0.2	4	0.2	1	0.6	-	-
Late effects of acute poliomyelitis and acute infectious encephalitis (081, 083)	3	0.1	3	0.1	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-
Measles (085)	30	1.3	23	1.1	4	2.6	3	4.8
Yellow fever (091)	-	-	-	-	-	-	-	-
Infectious hepatitis (092)	8	0.4	8	0.4	-	-	-	-
Rabies (094)	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	1	0.0	1	0.0	-	-	-	-
Malaria (110-117)	4	0.2	3	0.1	1	0.6	-	-
Schistosomiasis (123)	-	-	-	-	-	-	-	-
Hydatid disease (125)	-	-	-	-	-	-	-	-
Filariasis (127)	-	-	-	-	-	-	-	-
Ankylostomiasis (129)	-	-	-	-	-	-	-	-
Other diseases due to helminths (124, 126, 128, 130)	2	0.1	-	-	2	1.3	-	-
All other diseases classified as infective and parasitic (036-039, 049, 054, 059, 063-074, 086-090, 093, 095, 096, 120-122, 131-138)	18	0.8	16	0.8	2	1.3	-	-
Malignant neoplasm of buccal cavity and pharynx (140-148)	60	2.7	59	2.9	1	0.6	-	-
Malignant neoplasm of esophagus (150)	23	1.0	19	0.9	4	2.6	-	-
Malignant neoplasm of stomach (151)	303	13.5	270	13.4	22	14.2	11	17.4
Malignant neoplasm of intestine, except rectum (152, 153)	241	10.8	229	11.3	8	5.2	4	6.3
Malignant neoplasm of rectum (154)	72	3.2	67	3.3	5	3.2	-	-
Malignant neoplasm of larynx (161)	23	1.0	20	1.0	3	1.9	-	-
Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary (162, 163)	189	8.4	183	9.1	4	2.6	2	3.2
Malignant neoplasm of breast (170)	211	9.4	203	10.0	7	4.5	1	1.6

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

TABLE I. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1949
(Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasm of cervix uteri (171)	114	5.1	104	5.1	4	2.6	6	9.5
Malignant neoplasm of other and unspecified parts of uterus (172-174)	150	6.7	129	6.4	16	10.4	5	7.9
Malignant neoplasm of prostate (177)	209	9.3	186	9.2	23	14.9	-	-
Malignant neoplasm of skin (190, 191)	60	2.7	57	2.8	3	1.9	-	-
Malignant neoplasm of bone and connective tissue (196, 197)	38	1.7	37	1.8	-	-	1	1.6
Malignant neoplasm of all other and unspecified sites (155-160, 164, 165, 175, 176, 178-181, 192-195, 198, 199)	685	30.6	639	31.6	26	16.8	20	31.7
Leukemia and aleukemia (204)	101	4.5	97	4.8	1	0.6	3	4.8
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system (200-203,205)	79	3.5	73	3.6	6	3.9	-	-
Benign neoplasms and neoplasms of unspecified nature (210-239)	104	4.6	85	4.2	16	10.4	3	4.8
Nontoxic goiter (250, 251)	4	0.2	3	0.1	1	0.6	-	-
Thyrotoxicosis with or without goiter (252)	22	1.0	20	1.0	2	1.3	-	-
Diabetes mellitus (260)	298	13.3	259	12.8	22	14.2	17	26.9
Avitaminosis and other deficiency states (280-286)	42	1.9	34	1.7	5	3.2	3	4.8
Anemias (290-293)	60	2.7	53	2.6	4	2.6	3	4.8
Allergic disorders; all other endocrine, metabolic and blood diseases (240-245, 253, 254, 270-277, 287-289, 294-299)	127	5.7	116	5.7	11	7.1	-	-
Psychoses (300-309)	119	5.3	104	5.1	15	9.7	-	-
Psychoneuroses and disorders of personality (310-322, 326)	33	1.5	31	1.5	2	1.3	-	-
Mental deficiency (325)	2	0.1	2	0.1	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	2,197	98.1	1,929	95.4	233	150.8	35	55.4
Nonmeningococcal meningitis (340)	34	1.5	21	1.0	9	5.8	4	6.3
Multiple sclerosis (345)	17	0.8	16	0.8	1	0.6	-	-
Epilepsy (353)	35	1.6	29	1.4	6	3.9	-	-
Inflammatory diseases of eye (370-379)	1	0.0	1	0.0	-	-	-	-
Cataract (385)	-	-	-	-	-	-	-	-
Glaucoma (387)	-	-	-	-	-	-	-	-
Otitis media and mastoiditis (391-393)	7	0.3	7	0.3	-	-	-	-
All other diseases of the nervous system and sense organs (341-344, 350-352, 354-369, 380-384, 386, 388-390, 394-398)	186	8.3	167	8.3	16	10.4	3	4.8
Rheumatic fever (400-402)	22	1.0	17	0.8	3	1.9	2	3.2
Chronic rheumatic heart disease (410-416)	227	10.1	202	10.0	19	12.3	6	9.5
Arteriosclerotic and degenerative heart disease (420-422)	4,146	185.1	3,887	192.2	191	123.6	68	107.7
Other diseases of heart (430-434)	513	22.9	440	21.8	60	38.8	13	20.6
Hypertension with heart disease (440-443)	970	43.3	830	41.0	116	75.1	24	38.0
Hypertension without mention of heart (444-447)	222	9.9	194	9.6	22	14.2	6	9.5
Diseases of arteries (450-456)	394	17.6	372	18.4	18	11.6	4	6.3
Other diseases of circulatory system (460-468)	44	2.0	39	1.9	4	2.6	1	1.6
Acute upper respiratory infections (470-475)	22	1.0	19	0.9	3	1.9	-	-
Influenza (480-483)	92	4.1	71	3.5	16	10.4	5	7.9
Lobar pneumonia (490)	169	7.5	140	6.9	17	11.0	12	19.0
Bronchopneumonia (491)	213	9.5	176	8.7	20	12.9	17	26.9
Primary atypical, other and unspecified pneumonia (492, 493)	178	7.9	144	7.1	21	13.6	13	20.6
Acute bronchitis (500)	7	0.3	6	0.3	1	0.6	-	-
Bronchitis, chronic and unqualified (501, 502)	25	1.1	22	1.1	2	1.3	1	1.6
Hypertrophy of tonsils and adenoids (510)	8	0.4	6	0.3	2	1.3	-	-
Empyema and abscess of lung (518, 521)	17	0.8	14	0.7	3	1.9	-	-
Pleurisy (519)	1	0.0	1	0.0	-	-	-	-
All other respiratory diseases (511-517, 520, 522-527)	107	4.8	102	5.0	3	1.9	2	3.2
Diseases of teeth and supporting structures (530-535)	5	0.2	5	0.2	-	-	-	-
Ulcer of stomach (540)	61	2.7	53	2.6	6	3.9	2	3.2
Ulcer of duodenum (541)	29	1.3	28	1.4	1	0.6	-	-
Gastritis and duodenitis (543)	10	0.4	8	0.4	1	0.6	1	1.6
Appendicitis (550-553)	79	3.5	66	3.3	9	5.8	4	6.3
Intestinal obstruction and hernia (560, 561, 570)	167	7.5	142	7.0	20	12.9	5	7.9
Gastro-enteritis and colitis, except diarrhea of the newborn (571, 572)	111	5.0	88	4.4	12	7.8	11	17.4

TABLE I. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1949
(Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Cirrhosis of liver (581)	115	5.1	106	5.2	4	2.6	5	7.9
Cholelithiasis and cholecystitis (584, 585)	111	5.0	104	5.1	5	3.2	2	3.2
Other diseases of digestive system (536-539, 542, 544, 545, 573-580, 582, 583, 586, 587)	101	4.5	77	3.8	23	14.9	1	1.6
Acute nephritis (590)	36	1.6	28	1.4	6	3.9	2	3.2
Chronic, other and unspecified nephritis (591-594)	458	20.4	355	17.6	94	60.8	9	14.3
Infections of kidney (600)	48	2.1	43	2.1	4	2.6	1	1.6
Calculi of urinary system (602, 604)	11	0.5	11	0.5	-	-	-	-
Hyperplasia of prostate (610)	120	5.4	108	5.3	11	7.1	1	1.6
Diseases of breast (620, 621)	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system (601, 603, 605-609, 611-617, 622-637)	60	2.7	47	2.3	9	5.8	4	6.3
Sepsis of pregnancy, childbirth and the puerperium (640, 641, 681, 682, 684)	12	0.5	9	0.4	2	1.3	1	1.6
Toxemias of pregnancy and the puerperium (642, 652, 685, 686)	23	1.0	15	0.7	6	3.9	2	3.2
Hemorrhage of pregnancy and childbirth (643, 644, 670-672)	11	0.5	9	0.4	2	1.3	-	-
Abortion without mention of sepsis or toxemia (650)	4	0.2	3	0.1	-	-	1	1.6
Abortion with sepsis (651)	3	0.1	2	0.1	-	-	1	1.6
Other complications of pregnancy, childbirth and the puerperium (645-649, 673-680, 683, 687-689)	16	0.7	11	0.5	4	2.6	1	1.6
Infections of skin and subcutaneous tissue (690-698)	6	0.3	4	0.2	1	0.6	1	1.6
Arthritis and spondylitis (720-725)	49	2.2	46	2.3	1	0.6	2	3.2
Muscular rheumatism and rheumatism, unspecified (726, 727)	3	0.1	2	0.1	1	0.6	-	-
Osteomyelitis and periostitis (730)	5	0.2	5	0.2	-	-	-	-
Ankylosis and acquired musculoskeletal deformities (737, 745-749)	1	0.0	1	0.0	-	-	-	-
All other diseases of skin and musculoskeletal system (700-716, 731-736, 738-744)	22	1.0	18	0.9	2	1.3	2	3.2
Spina bifida and meningocele (751)	20	0.9	17	0.8	2	1.3	1	1.6
Congenital malformations of circulatory system (754)	129	5.8	124	6.1	4	2.6	1	1.6
All other congenital malformations (750, 752, 753, 755-759)	94	4.2	81	4.0	11	7.1	2	3.2
Birth injuries (760, 761)	197	7.0	140	6.9	13	8.4	4	6.3
Postnatal asphyxia and atelectasis (762)	181	8.1	161	8.0	12	7.8	8	12.7
Infections of the newborn (763-768)	47	2.1	26	1.3	13	8.4	8	12.7
Hemolytic disease of newborn (770)	23	1.0	21	1.0	1	0.6	1	1.6
All other defined diseases of early infancy (769, 771, 772)	51	2.3	38	1.9	8	5.2	5	7.9
Ill-defined diseases peculiar to early infancy, and immaturity unqualified (773-776)	437	19.5	390	19.3	31	20.1	16	25.3
Senility without mention of psychosis (794)	174	7.8	156	7.7	14	9.1	4	6.3
Ill-defined and unknown causes of mortality (780-793, 795)	423	18.9	322	15.9	62	40.1	39	61.8
Motor vehicle accidents (E810-E835)	550	24.6	511	25.3	26	16.8	13	20.6
Other transport accidents (E800-E802, E840-E866)	87	3.9	81	4.0	5	3.2	1	1.6
Accidental poisoning (E870-E895)	50	2.2	45	2.2	4	2.6	1	1.6
Accidental falls (E900-E904)	316	14.1	301	14.9	12	7.8	3	4.8
Accident caused by machinery (E912)	37	1.7	36	1.8	-	-	1	1.6
Accident caused by fire and explosion of combustible material (E916)	130	5.8	103	5.1	20	12.9	7	11.1
Accident caused by hot substance, corrosive liquid, steam, and radiation (E917, E918)	14	0.6	13	0.6	1	0.6	-	-
Accident caused by firearm (E919)	54	2.4	47	2.3	6	3.9	1	1.6
Accidental drowning and submersion (E929)	67	3.0	63	3.1	3	1.9	1	1.6
All other accidental causes (E910, E911, E913-E915, E920-E928, E930-E962)	171	7.6	147	7.3	18	11.6	6	9.5
Suicide and self-inflicted injury (E963, E970-E979)	180	8.0	173	8.6	4	2.6	3	4.8
Homicide and injury purposely inflicted by other persons (not in war) (E964, E965, E980-E985)	127	5.7	77	3.8	47	30.4	3	4.8
Injury resulting from operations of war (E990-E999)	-	-	-	-	-	-	-	-

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949

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*	10,339	6,741	966	719	319	262	732	515	110	69	51	52
Tuberculosis of respiratory system(001-008)	214	121	53	34	34	34	-	2	-	-	-	-
Tuberculosis, other forms (010-019)	12	11	4	2	5	4	1	1	-	-	1	-
Syphilis and its sequelae (020-029)	70	18	23	5	3	2	-	1	1	2	2	1
Typhoid fever (040)	1	2	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	8	7	2	5	4	2	1	5	2	4	1	-
Scarlet fever and streptococcal sore throat (050, 051)	8	6	-	1	-	-	-	3	-	-	-	-
Diphtheria (055)	3	2	-	1	-	1	-	-	-	-	-	-
Whooping cough (056)	1	3	1	-	1	1	1	3	1	-	1	1
Meningococcal infections (057)	3	5	1	1	-	-	-	-	-	1	-	-
Acute poliomyelitis (080)	66	41	-	-	-	2	2	5	-	-	-	1
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	11	12	2	2	2	1	1	1	1	-	1	-
Typhus and other rickettsial diseases (100-108)	1	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	2	1	-	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	19	5	4	-	2	2	3	2	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	1,213	1,159	75	58	19	34	1	-	-	-	-	-
Benign and unspecified neoplasms (210-239)	41	44	6	10	1	2	1	-	-	-	-	-
Diabetes mellitus (260)	119	140	6	16	7	10	-	-	-	-	-	-
Anemias (290-293)	28	25	-	4	2	1	-	-	-	-	1	-
Vascular lesions affecting central nervous system (330-334)	1,016	913	112	121	23	12	4	1	-	-	-	-
Nonmeningococcal meningitis (340)	13	8	8	1	2	2	3	1	5	-	-	-
Rheumatic fever (400-402)	11	6	3	-	2	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	117	85	13	6	5	1	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	2,704	1,183	112	79	50	18	-	-	-	-	-	-
Other diseases of heart (430-434)	306	134	34	26	8	5	-	-	-	-	-	-
Hypertension with heart disease (440-443)	443	387	64	52	11	13	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	114	80	13	9	6	-	-	-	-	-	-	-
Influenza (480-483)	36	35	10	6	2	3	1	-	3	3	1	2
Pneumonia (490-493)	263	197	25	33	21	21	45	34	11	9	6	14
Bronchitis (500-502)	17	11	2	1	-	1	2	4	1	1	-	1
Ulcer of stomach and duodenum (540, 541)	70	11	6	1	-	2	-	-	-	-	-	-
Appendicitis (550-553)	40	26	5	4	2	2	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	70	72	17	3	1	4	7	8	4	-	-	2
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	48	48	5	8	5	7	17	18	4	5	5	3
Cirrhosis of liver (581)	83	23	3	1	2	3	-	1	-	-	-	-
Nephritis and nephrosis (590-594)	208	175	52	48	8	3	-	2	-	-	1	-
Hyperplasia of prostate (610)	108	-	11	-	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689)	-	49	-	14	-	6	-	-	-	-	-	-
Congenital malformations (750-759)	124	98	8	9	4	-	102	73	8	7	4	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	186	115	13	12	9	3	186	115	13	12	9	3
Infections of the newborn (763-768)	9	17	7	6	3	5	9	17	7	6	3	5
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	274	175	29	11	11	11	274	175	29	11	11	11
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	302	176	52	24	22	21	17	8	5	2	4	8
All other diseases (Residual)	798	648	63	75	12	14	26	19	5	3	-	-
Motor vehicle accidents (E810-E835)	388	123	20	6	11	2	3	-	1	-	-	-
All other accidents (E800-E802, E840-E962)	551	285	56	13	15	6	25	15	7	2	-	-
Suicide and self-inflicted injury (E963, E970-E979)	140	33	4	-	3	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	65	12	41	6	2	1	1	-	-	-	-	-

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
(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*	162	109	22	11	20	19	89	62	6	2	3	4
Tuberculosis of respiratory system (001-008)	3	-	-	1	-	3	-	-	-	1	-	-
Tuberculosis, other forms (010-019)	2	5	1	1	2	3	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	2	-	-	-	3	1	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	3	-	-	-	-	-	2	1	-	-	-	-
Diphtheria (055)	1	1	-	-	-	-	2	1	-	-	-	1
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	2	2	-	-	-	-	-	1	-	-	-	-
Acute poliomyelitis (080)	13	6	-	-	-	1	16	9	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	3	4	1	-	1	1	4	6	-	-	-	-
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)	5	2	-	-	-	1	1	-	-	-	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	12	14	-	-	-	-	3	4	1	-	-	-
Benign and unspecified neoplasms (210-239)	4	3	-	-	-	-	-	1	-	-	-	-
Diabetes mellitus (260)	1	-	-	-	-	-	1	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	1	1	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	1	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	2	-	-	1	2	1	1	1	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	2	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	1	1	-	-	1	-
Arteriosclerotic and degenerative heart disease (420-422)	1	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	-	-	-	-	-	-	1	1	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	1	-	1	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	12	13	2	-	9	2	8	1	-	-	1	-
Bronchitis (500-502)	3	1	1	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	1	1	-	-	-	2	-	-	-	1	2
Intestinal obstruction and hernia (560, 561, 570)	4	-	1	-	1	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	4	2	1	-	-	3	-	2	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	4	2	1	-	-	-	1	1	-	-	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) ≠	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	11	7	-	1	-	-	3	5	-	-	-	-
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	3	4	2	-	-	1	-	-	-	-	-
All other diseases (Residual)	13	9	2	4	1	2	7	6	2	-	-	-
Motor vehicle accidents (E810-E835)	15	19	-	-	1	1	15	8	-	-	-	-
All other accidents (E800-E802, E840-E962)	39	14	6	1	-	-	16	11	3	1	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	1	-	-	-	-

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
(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*	76	43	14	7	2	3	123	58	9	11	3	4
Tuberculosis of respiratory system (001-008)	-	-	2	1	-	1	1	4	2	3	1	1
Tuberculosis, other forms (010-019)	-	-	1	-	1	1	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	1	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	2	1	-	1	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	1	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	1	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	9	11	-	-	-	-	6	2	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	2	-	-	1	-	-	-	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	1	-	-	1	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	3	2	-	-	-	-	7	2	1	-	-	-
Benign and unspecified neoplasms (210-239)	1	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	-	2	-	-	-	-	1	4	-	1	-	-
Anemias (290-293)	-	-	-	-	-	-	1	1	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	-	-	-	-	-	1	1	-	-	-	-
Nonmeningococcal meningitis (340)	-	-	1	-	-	-	1	-	-	-	-	1
Rheumatic fever (400-402)	2	1	-	-	-	-	2	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	1	-	1	-	-	2	4	1	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	1	-	-	-	-	-
Other diseases of heart (430-434)	-	1	-	-	-	-	2	1	-	1	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	1	-	1	-	-	-
Pneumonia (490-493)	5	1	-	-	-	1	3	1	-	-	-	-
Bronchitis (500-502)	-	-	-	-	-	-	1	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	1	-	-	-	-	-
Appendicitis (550-553)	4	2	1	1	1	-	3	4	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	2	2	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	-	1	-	-	-	-	4	-	-	-	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) ≠	-	-	-	-	-	-	-	5	-	3	-	1
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)	1	-	-	-	-	-	2	-	-	-	-	-
All other diseases (Residual)	6	6	2	-	-	-	8	3	1	1	-	-
Motor vehicle accidents (E810-E835)	9	7	-	-	-	-	37	13	1	-	1	-
All other accidents (E800-E802, E840-E962)	30	7	5	-	-	-	32	4	-	-	1	-
Suicide and self-inflicted injury (E963, E970-E979)	1	-	-	-	-	-	2	2	1	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	1	2	-	1	-	-

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
(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*	171	74	18	15	8	6	294	158	37	30	21	14
Tuberculosis of respiratory system (001-008)	6	8	4	5	1	2	22	19	6	7	7	4
Tuberculosis, other forms (010-019)	1	-	-	-	-	-	2	1	1	1	-	-
Syphilis and its sequelae (020-029)	1	-	-	-	-	-	-	1	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)	-	-	-	-	-	-	-	1	-	-	-	-
Acute poliomyelitis (080)	6	2	-	-	-	-	11	5	-	-	-	-
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)	2	-	-	-	-	-	2	3	1	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	3	1	-	-	-	1	20	33	1	3	1	2
Benign and unspecified neoplasms (210-239)	3	1	-	1	-	-	2	2	-	1	-	-
Diabetes mellitus (260)	1	-	-	-	-	1	1	1	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	1
Vascular lesions affecting central nervous system (330-334)	2	2	2	-	-	-	2	2	-	1	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	1	-	1	-	-	-
Rheumatic fever (400-402)	1	1	-	-	1	-	2	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	3	3	-	-	-	-	9	2	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	1	1	1	1	-	-	14	5	-	-	2	1
Other diseases of heart (430-434)	2	1	-	-	-	-	4	7	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	2	1	1	-	-	1
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	3	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	1	2	-	-	-	-
Pneumonia (490-493)	3	-	-	-	-	-	5	3	-	2	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	1	-	-	-	-	2	-	-	-	-	-
Appendicitis (550-553)	2	-	-	1	-	-	3	2	1	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	1	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	1	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	1	-	1	-	1	-
Nephritis and nephrosis (590-594)	1	4	-	-	-	-	2	2	1	-	1	1
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) ✗	-	11	-	3	-	-	-	12	-	3	-	3
Congenital malformations (750-759)	-	2	-	-	-	-	2	4	-	-	-	-
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)	-	-	-	-	-	-	5	2	1	2	-	-
All other diseases (Residual)	11	11	-	4	-	-	19	16	2	5	1	1
Motor vehicle accidents (E810-E835)	67	8	3	-	2	1	58	14	5	2	2	-
All other accidents (E800-E802, E840-E962)	45	10	3	-	2	-	70	7	3	-	4	-
Suicide and self-inflicted injury (E963, E970-E979)	5	3	1	-	1	-	13	8	-	-	1	-
Homicide and operations of war (E964, E965, E980-E999)	4	2	4	-	1	1	16	2	10	3	1	-

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
(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*	481	317	72	62	15	28	2,624	1,288	266	232	77	57
Tuberculosis of respiratory system (001-008)	41	18	17	5	3	11	102	37	19	9	12	9
Tuberculosis, other forms (010-019)	2	-	-	-	-	-	2	3	1	-	1	-
Syphilis and its sequelae (020-029)	6	1	1	-	-	-	43	8	10	2	-	-
Typhoid fever (040)	-	-	-	-	-	-	1	2	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	1	-	-	-	-	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	1	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	1	-	-	-	-	3	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	1	-	-	-	-	-
Malaria (110-117)	1	-	-	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	1	-	1	-	-	10	5	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	58	99	5	6	-	3	385	424	27	33	3	19
Benign and unspecified neoplasms (210-239)	5	9	1	4	-	1	21	14	3	4	1	1
Diabetes mellitus (260)	1	3	-	1	-	-	21	33	3	9	2	3
Anemias (290-293)	1	1	-	-	-	-	6	3	-	1	-	-
Vascular lesions affecting central nervous system (330-334)	9	17	2	8	2	2	174	161	34	42	7	2
Nonmeningococcal meningitis (340)	-	1	1	-	-	-	3	4	-	-	-	-
Rheumatic fever (400-402)	1	2	2	-	1	-	1	-	1	-	-	-
Chronic rheumatic heart disease (410-416)	8	11	1	1	-	-	40	17	4	2	1	-
Arteriosclerotic and degenerative heart disease (420-422)	73	25	6	3	4	-	932	202	38	33	20	5
Other diseases of heart (430-434)	11	4	2	5	-	-	91	22	13	11	4	1
Hypertension with heart disease (440-443)	2	8	3	2	-	1	83	59	22	26	3	3
Hypertension without mention of heart (444-447)	3	-	-	-	-	-	23	9	4	1	2	-
Influenza (480-483)	-	2	-	-	-	-	6	7	1	1	-	-
Pneumonia (490-493)	7	4	-	2	-	-	36	12	8	8	2	2
Bronchitis (500-502)	-	-	-	-	-	-	2	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	13	-	1	1	-	1	25	6	5	-	-	-
Appendicitis (550-553)	5	1	-	-	-	-	11	8	-	2	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	5	-	-	-	1	15	20	3	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	2	-	1	-	-	6	4	-	1	-	-
Cirrhosis of liver (581)	7	2	-	-	-	1	35	8	2	1	1	2
Nephritis and nephrosis (590-594)	12	13	4	6	-	1	40	32	13	16	2	1
Hyperplasia of prostate (610)	-	-	-	-	-	-	11	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) ✗	-	20	-	5	-	2	-	1	-	-	-	-
Congenital malformations (750-759)	2	3	-	1	-	-	3	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)	12	2	-	2	2	4	59	16	11	3	6	3
All other diseases (Residual)	33	32	3	7	-	-	170	109	16	18	2	2
Motor vehicle accidents (E810-E835)	56	8	3	-	2	-	85	31	4	3	1	-
All other accidents (E800-E802, E840-E962)	67	12	7	-	1	-	98	18	10	2	6	3
Suicide and self-inflicted injury (E963, E970-E979)	25	8	1	-	-	-	64	8	1	-	1	-
Homicide and operations of war (E964, E965, E980-E999)	15	1	12	-	-	-	15	3	13	2	-	-

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
(Continued)

Cause of Death	65 Years and Over						Unknown					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes*	5,574	4,107	404	273	117	75	13	10	8	7	2	-
Tuberculosis of respiratory system (001-008)	39	32	2	2	10	3	-	1	1	-	-	-
Tuberculosis, other forms (010-019)	2	1	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	19	7	7	1	1	1	-	-	1	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	4	2	-	1	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	1	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
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)	8	5	1	1	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	721	579	40	16	14	9	-	1	-	-	1	-
Benign and unspecified neoplasms (210-239)	4	14	2	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	92	97	3	5	5	6	-	-	-	-	-	-
Anemias (290-293)	19	18	-	3	1	-	-	1	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	820	728	71	69	14	8	4	-	3	1	-	-
Nonmeningococcal meningitis (340)	2	1	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	54	46	7	2	3	1	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	1,680	949	67	39	24	12	2	1	-	3	-	-
Other diseases of heart (430-434)	195	97	19	9	4	4	-	-	-	-	-	-
Hypertension with heart disease (440-443)	355	319	38	24	8	8	1	-	-	-	-	-
Hypertension without mention of heart (444-447)	85	70	9	8	4	-	-	1	-	-	-	-
Influenza (480-483)	26	24	4	2	1	1	-	-	-	-	-	-
Pneumonia (490-493)	139	126	4	12	3	2	-	2	-	-	-	-
Bronchitis (500-502)	8	6	-	-	-	-	1	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	29	4	-	-	-	1	-	-	-	-	-	-
Appendicitis (550-553)	10	8	2	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	42	38	9	-	-	-	-	-	-	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	18	17	-	1	-	1	-	-	-	-	-	-
Cirrhosis of liver (581)	39	12	-	-	-	-	1	-	-	-	-	-
Nephritis and nephrosis (590-594)	144	117	33	26	3	-	-	1	-	-	1	-
Hyperplasia of prostate (610)	97	-	11	-	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	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)	202	144	30	12	10	6	2	1	1	1	-	-
All other diseases (Residual)	505	437	28	32	8	9	-	-	2	1	-	-
Motor vehicle accidents (E810-E835)	42	15	3	1	2	-	1	-	-	-	-	-
All other accidents (E800-E802, E840-E962)	128	186	12	7	1	3	1	1	-	-	-	-
Suicide and self-inflicted injury (E963, E970-E979)	30	4	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	13	1	2	-	-	-	-	-	-	-	-	-

TABLE III. LEADING CAUSES OF DEATH, NUMBER AND PER CENT, BY RACE, BY AGE GROUP, OKLAHOMA, 1949

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	19,346		17,080		1,685		581	
Diseases of the heart (410-443)	5,856	30.3	5,359	31.4	386	22.9	111	19.1
Malignant neoplasms (140-205)	2,558	13.2	2,372	13.9	133	7.9	53	9.1
Vascular lesions of CNS (330-334)	2,197	11.4	1,929	11.3	233	13.8	35	6.0
Accidents (E800-E962)	1,476	7.6	1,347	7.9	95	5.6	34	5.9
Congenital malformations, diseases of infancy (750-776)	1,139	5.9	998	5.8	95	5.6	46	7.9
Pneumonia (490-493)	560	2.9	460	2.7	58	3.4	42	7.2
Tuberculosis, all forms (001-019)	528	2.7	358	2.1	93	5.5	77	13.3
Nephritis and nephrosis (590-594)	494	2.6	383	2.2	100	5.9	11	1.9
Ages 0 - 4	1,872		1,518		212		142	
Congenital malformations, diseases of infancy (750-776)	1,109	59.2	969	63.8	94	44.3	46	32.4
Pneumonia (490-493)	157	8.4	104	6.9	22	10.4	31	21.8
Accidents (E800-E962)	149	8.0	130	8.6	17	8.0	2	1.4
Gastritis, duodenitis, enteritis, colitis (543, 571, 572)	62	3.3	41	2.7	10	4.7	11	7.7
Acute poliomyelitis (080)	28	1.5	26	1.7	-	-	2	1.4
Intestinal obstruction, hernia (560-561, 570)	27	1.4	19	1.3	5	2.4	3	2.1
Malignant neoplasms (140-205)	27	1.4	27	1.8	-	-	-	-
Tuberculosis, all forms (001-019)	26	1.4	14	0.9	3	1.4	9	6.3
Ages 5 - 14	311		270		29		12	
Accidents (E800-E962)	112	36.0	103	38.1	9	31.0	-	-
Acute poliomyelitis (080)	45	14.5	45	16.7	-	-	-	-
Pneumonia (490-493)	17	5.5	15	5.6	-	-	2	16.7
Appendicitis (550-553)	14	4.5	8	3.0	2	6.9	4	33.3
Malignant neoplasms (140-205)	13	4.2	12	4.4	1	3.4	-	-
Measles (085)	13	4.2	12	4.4	1	3.4	-	-
Congenital malformations (750-759)	9	2.9	9	3.3	-	-	-	-
Diseases of the heart (410-443)	8	2.6	6	2.2	1	3.4	1	8.3
Tuberculosis, all forms (001-019)	8	2.6	-	-	5	17.2	3	25.0
Ages 15 - 24	500		426		53		21	
Accidents (E800-E962)	230	46.0	216	50.7	7	13.2	7	33.3
Tuberculosis, all forms (001-019)	39	7.8	20	4.7	14	26.4	5	23.8
Diseases of the heart (410-443)	25	5.0	21	4.9	4	7.5	-	-
Maternal causes (640-689)	23	4.6	16	3.8	6	11.3	1	4.8
Acute poliomyelitis (080)	16	3.2	16	3.8	-	-	-	-
Homicide (E964, E980-E985)	16	3.2	9	2.1	5	9.4	2	9.5
Suicide (E963, E970-E979)	15	3.0	12	2.8	2	3.8	1	4.8
Malignant neoplasms (140-205)	15	3.0	13	3.1	1	1.9	1	4.8
Ages 25 - 34	554		452		67		35	
Accidents (E800-E962)	165	29.8	149	33.0	10	14.9	6	17.1
Tuberculosis, all forms (001-019)	70	12.6	44	9.7	15	22.4	11	31.4
Malignant neoplasms (140-205)	60	10.8	53	11.7	4	6.0	3	8.6
Diseases of the heart (410-443)	49	8.8	44	9.7	1	1.5	4	11.4
Homicide (E964, E980-E985)	32	5.8	18	4.0	13	19.4	1	2.9
Suicide (E963, E970-E979)	22	4.0	21	4.6	-	-	1	2.9
Maternal causes (640-689)	18	3.2	12	2.7	3	4.5	3	8.6
Acute poliomyelitis (080)	16	2.9	16	3.5	-	-	-	-
Ages 35 - 44	975		798		134		43	
Malignant neoplasms (140-205)	171	17.5	157	19.7	11	8.2	3	7.0
Diseases of the heart (410-443)	170	17.4	142	17.8	23	17.2	5	11.6
Accidents (E800-E962)	156	16.0	143	17.9	10	7.5	3	7.0
Tuberculosis, all forms (001-019)	97	9.9	61	7.6	22	16.4	14	32.6
Vascular lesions of CNS (330-334)	40	4.1	26	3.3	10	7.5	4	9.3
Nephritis and nephrosis (590-594)	36	3.7	25	3.1	10	7.5	1	2.3
Suicide (E963, E970-E979)	34	3.5	33	4.1	1	0.7	-	-
Homicide (E964, E980-E985)	28	2.9	16	2.0	12	9.0	-	-
Ages 45 - 64	4,544		3,912		498		134	
Diseases of the heart (410-443)	1,632	35.9	1,446	37.0	149	29.9	37	27.6
Malignant neoplasms (140-205)	891	19.6	809	20.7	60	12.0	22	16.4
Vascular lesions of CNS (330-334)	420	9.2	335	8.6	76	15.3	9	6.7
Accidents (E800-E962)	261	5.7	232	5.9	19	3.8	10	7.5
Tuberculosis, all forms (001-019)	195	4.3	144	3.7	29	5.8	22	16.4
Nephritis and nephrosis (590-594)	104	2.3	72	1.8	29	5.8	3	2.2
Suicide (E963, E970-E979)	74	1.6	72	1.8	1	0.2	1	0.7
Diabetes mellitus (260)	71	1.6	54	1.4	12	2.4	5	3.7
Ages 65 and over	10,550		9,681		677		192	
Diseases of the heart (410-443)	3,964	37.6	3,695	38.2	205	30.3	64	33.3
Vascular lesions of CNS (330-334)	1,710	16.2	1,548	16.0	140	20.7	22	11.5
Malignant neoplasms (140-205)	1,379	13.1	1,300	13.4	56	8.3	23	12.0
Accidents (E800-E962)	400	3.8	371	3.8	23	3.4	6	3.1
Nephritis and nephrosis (590-594)	323	3.1	261	2.7	59	8.7	3	1.6
Pneumonia (490-493)	286	2.7	265	2.7	16	2.4	5	2.6
Diabetes mellitus (260)	208	2.0	189	2.0	8	1.2	11	5.7
Hypertension without heart (444-447)	176	1.7	155	1.6	17	2.5	4	2.1

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949

	ADAIR					ALFALFA					ATOKA				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	14,865		Wh.	Neg.	Ind.	10,980		Wh.	Neg.	Ind.	14,406		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	341	22.9	223	-	118	199	18.1	198	-	1	340	23.6	302	23	15
Physician in hospital	202	...	117	-	85	194	...	193	-	1	102	...	86	3	13
Physician in home	99	...	86	-	13	3	...	3	-	-	221	...	207	12	2
Midwife, other, or unknown	40	...	20	-	20	2	...	2	-	-	17	...	9	8	-
Stillbirths †	9	26.4	4	-	5	2	10.1	2	-	-	6	17.6	4	1	1
Physician in hospital	4	...	1	-	3	2	...	2	-	-	2	...	1	-	1
Physician in home	1	...	1	-	-	-	...	-	-	-	4	...	3	1	-
Midwife, other, or unknown	4	...	2	-	2	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	153	10.3	103	-	50	132	12.0	132	-	-	138	9.6	114	14	10
Deaths under 1 year †	15	44.0	6	-	9	5	25.1	5	-	-	14	41.2	12	2	-
Deaths under 1 month †	9	26.4	2	-	7	4	20.1	4	-	-	8	23.5	7	1	-
Tuberculosis of respiratory system (001-008)	9	60.5	4	-	5	-	-	-	-	-	3	20.8	2	-	1
Tuberculosis, other forms (010-019)	2	13.5	-	-	2	-	-	-	-	-	1	6.9	1	-	-
Syphilis and its sequelae (020-029)	2	13.5	1	-	1	1	9.1	1	-	-	3	20.8	1	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	2	13.5	2	-	-	-	-	-	-	-	1	6.9	-	-	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	1	6.7	-	-	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)	2	13.5	2	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	25	168.2	20	-	5	17	154.8	17	-	-	14	97.2	11	1	2
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	9.1	1	-	-	1	6.9	1	-	-
Diabetes mellitus (260)	5	33.6	4	-	1	1	9.1	1	-	-	5	34.7	5	-	-
Anemias (290-293)	-	-	-	-	-	1	9.1	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	16	107.6	11	-	5	16	145.7	16	-	-	21	145.8	17	4	-
Nonmeningococcal meningitis (340)	1	6.7	-	-	1	-	-	-	-	-	1	6.9	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	3	20.2	2	-	1	2	18.2	2	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	19	127.8	14	-	5	37	337.0	37	-	-	28	194.4	27	-	1
Other diseases of heart (430-434)	7	47.1	5	-	2	2	18.2	2	-	-	-	-	-	-	-
Hypertension with heart disease (440-443)	8	53.8	5	-	3	10	91.1	10	-	-	3	20.8	2	-	1
Hypertension without mention of heart (444-447)	1	6.7	1	-	-	2	18.2	2	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	1	9.1	1	-	-	2	13.9	2	-	-
Pneumonia (490-493)	6	40.4	3	-	3	5	45.5	5	-	-	4	27.8	4	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	9.1	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	2	13.9	-	-	2
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	2	18.2	2	-	-	1	6.9	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	13.5	1	-	1	1	9.1	1	-	-	1	6.9	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	1	6.9	1	-	-
Nephritis and nephrosis (590-594)	3	20.2	3	-	-	3	27.3	3	-	-	5	34.7	4	1	-
Hyperplasia of prostate (610)	1	6.7	1	-	-	1	9.1	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	3	8.8	2	-	1
Congenital malformations (750-759)	4	26.9	3	-	1	1	9.1	1	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	1	9.1	1	-	-	2	13.9	2	-	-
Infections of the newborn (763-768)	2	13.5	-	-	2	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	13.5	1	-	1	3	27.3	3	-	-	5	34.7	4	1	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	13	87.5	5	-	8	1	9.1	1	-	-	6	41.6	5	1	-
All other diseases (Residual)	10	67.3	10	-	-	12	109.3	12	-	-	16	111.1	13	3	-
Motor vehicle accidents (E810-E835)	2	13.5	2	-	-	3	27.3	3	-	-	1	6.9	1	-	-
All other accidents (E800-E802, E840-E962)	4	26.9	3	-	1	7	63.8	7	-	-	5	34.7	3	1	1
Suicide and self-inflicted injury (E963, E970-E979)	1	6.7	-	-	1	-	-	-	-	-	1	6.9	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	2	13.9	2	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	BEAVER					BECKHAM					BLAINE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	7,290		Wh.	Neg.	Ind.	20,453		Wh.	Neg.	Ind.	15,346		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	148	20.3	148	-	-	403	19.7	390	12	1	397	25.9	322	32	43
Physician in hospital	130	...	130	-	-	393	...	380	12	1	313	...	262	14	37
Physician in home	16	...	16	-	-	10	...	10	-	-	75	...	60	12	3
Midwife, other, or unknown	2	...	2	-	-	-	...	-	-	-	9	...	-	6	3
Stillbirths †	3	20.3	3	-	-	7	17.4	7	-	-	6	15.1	4	-	2
Physician in hospital	1	...	1	-	-	4	...	4	-	-	4	...	3	-	1
Physician in home	2	...	2	-	-	3	...	3	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	1	...	-	-	1
Total deaths, all causes*	59	8.1	59	-	-	175	8.6	175	-	-	159	10.4	135	15	9
Deaths under 1 year †	5	33.8	5	-	-	10	24.8	10	-	-	9	22.7	5	2	2
Deaths under 1 month †	4	27.0	4	-	-	6	14.9	6	-	-	4	10.1	3	1	-
Tuberculosis of respiratory system (001-008)	1	13.7	1	-	-	4	19.6	4	-	-	2	13.0	1	1	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	1	4.9	1	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	1	6.5	-	1	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	1	6.5	-	-	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	1	13.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	1	4.9	1	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	1	6.5	-	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	13.7	1	-	-	1	4.9	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	6	82.3	6	-	-	28	136.9	28	-	-	16	104.3	13	2	1
Benign and unspecified neoplasms (210-239)	1	13.7	1	-	-	-	-	-	-	-	2	13.0	1	-	1
Diabetes mellitus (260)	-	-	-	-	-	1	4.9	1	-	-	2	13.0	2	-	-
Anemias (290-293)	-	-	-	-	-	2	9.8	2	-	-	3	19.5	3	-	-
Vascular lesions affecting central nervous system (330-334)	5	68.6	5	-	-	27	132.0	27	-	-	21	136.8	18	3	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	4	19.6	4	-	-	2	13.0	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	16	219.5	16	-	-	33	161.3	33	-	-	35	228.1	34	-	1
Other diseases of heart (430-434)	3	41.2	3	-	-	2	9.8	2	-	-	3	19.5	3	-	-
Hypertension with heart disease (440-443)	9	123.5	9	-	-	10	48.9	10	-	-	4	26.1	4	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	1	4.9	1	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	-	-	-	-	-	4	19.6	4	-	-	10	65.2	8	-	2
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	6.5	-	-	1
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	1	6.5	1	-	-
Appendicitis (550-553)	-	-	-	-	-	1	4.9	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	4	26.1	4	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	2	9.8	2	-	-	2	13.0	1	-	1
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	27.4	2	-	-	6	29.3	6	-	-	3	19.5	2	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	1	6.5	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	1	2.5	1	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	13.7	1	-	-	3	14.7	3	-	-	2	13.0	1	1	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	1	6.5	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	41.2	3	-	-	3	14.7	3	-	-	1	6.5	1	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	1	13.7	1	-	-	10	48.9	10	-	-	6	39.1	3	2	1
All other diseases (Residual)	5	68.6	5	-	-	16	78.2	16	-	-	16	104.3	15	1	-
Motor vehicle accidents (E810-E835)	1	13.7	1	-	-	7	34.2	7	-	-	6	39.1	5	1	-
All other accidents (E800-E802, E840-E962)	2	27.4	2	-	-	8	39.1	8	-	-	9	58.6	9	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	13.7	1	-	-	-	-	-	-	-	1	6.5	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	1	6.5	-	1	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	BRYAN					CADDO					CANADIAN				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	29,855		Wh.	Neg.	Ind.	35,482		Wh.	Neg.	Ind.	25,768		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	655	21.9	623	15	17	899	25.3	714	35	150	465	18.0	427	19	19
Physician in hospital	412	...	399	1	12	638	...	493	7	138	433	...	409	9	15
Physician in home	236	...	221	10	5	247	...	219	17	11	29	...	18	9	2
Midwife, other, or unknown	7	...	3	4	-	14	...	2	11	1	3	...	-	1	2
Stillbirths †	20	30.5	17	2	1	17	18.9	15	1	1	10	21.5	9	1	-
Physician in hospital	13	...	11	2	-	8	...	7	-	1	9	...	8	1	-
Physician in home	7	...	6	-	1	7	...	7	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	2	...	1	1	-	-	...	-	-	-
Total deaths, all causes*	290	9.7	279	6	5	350	9.9	291	16	43	211	8.2	189	17	5
Deaths under 1 year †	26	39.7	25	-	1	33	36.7	27	1	5	16	34.4	13	1	2
Deaths under 1 month †	19	29.0	18	-	1	23	25.6	20	-	3	13	28.0	10	1	2
Tuberculosis of respiratory system (001-008)	7	23.4	6	-	1	15	42.3	8	2	5	2	7.8	1	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	3	8.5	-	-	3	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	2	5.6	2	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	2.8	1	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	1	3.9	1	-	-
Diphtheria (055)	-	-	-	-	-	3	8.5	2	-	1	-	-	-	-	-
Whooping cough (056)	1	3.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	3	8.5	3	-	-	-	-	-	-	-
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)	3	10.0	3	-	-	-	-	-	-	-	2	7.8	1	1	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	39	130.6	38	1	-	43	121.2	40	2	1	35	135.8	31	3	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	2.8	-	-	1	1	3.9	1	-	-
Diabetes mellitus (260)	4	13.4	3	1	-	8	22.5	7	-	1	5	19.4	5	-	-
Anemias (290-293)	1	3.3	1	-	-	2	5.6	1	-	1	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	27	90.4	25	1	1	44	124.0	38	2	4	25	97.0	23	2	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	2	5.6	1	-	1	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	3.3	1	-	-	4	11.3	4	-	-	2	7.8	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	70	234.5	69	1	-	71	200.1	62	2	7	51	197.9	45	6	-
Other diseases of heart (430-434)	11	36.8	11	-	-	12	33.8	10	1	1	9	34.9	6	3	-
Hypertension with heart disease (440-443)	7	23.4	6	1	-	13	36.6	12	1	-	5	19.4	5	-	-
Hypertension without mention of heart (444-447)	3	10.0	3	-	-	1	2.8	1	-	-	4	15.5	4	-	-
Influenza (480-483)	2	6.7	2	-	-	1	2.8	1	-	-	-	-	-	-	-
Pneumonia (490-493)	6	20.1	5	-	1	6	16.9	4	2	-	4	15.5	2	1	1
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	3.3	1	-	-	3	8.5	3	-	-	1	3.9	1	-	-
Appendicitis (550-553)	3	10.0	3	-	-	1	2.8	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	3.3	1	-	-	3	8.5	3	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	6.7	2	-	-	3	8.5	1	-	2	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	1	2.8	1	-	-	1	3.9	1	-	-
Nephritis and nephrosis (590-594)	9	30.1	9	-	-	5	14.1	4	1	-	1	3.9	1	-	-
Hyperplasia of prostate (610)	2	6.7	2	-	-	3	8.5	3	-	-	2	7.8	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	1	1.5	1	-	-	1	1.1	-	1	-	-	-	-	-	-
Congenital malformations (750-759)	3	10.0	2	-	1	2	5.6	1	-	1	2	7.8	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	6	20.1	6	-	-	6	16.9	5	-	1	3	11.6	3	-	-
Infections of the newborn (763-768)	1	3.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	8	26.8	8	-	-	12	33.8	11	-	1	8	31.0	6	-	2
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	23	77.0	23	-	-	15	42.3	11	-	4	6	23.3	6	-	-
All other diseases (Residual)	29	97.1	27	1	1	29	81.7	27	-	2	20	77.6	19	1	-
Motor vehicle accidents (E810-E835)	8	26.8	8	-	-	10	28.2	8	1	1	9	34.9	9	-	-
All other accidents (E800-E802, E840-E962)	9	30.1	9	-	-	18	50.7	13	1	4	9	34.9	9	-	-
Suicide and self-inflicted injury (E963, E970-E979)	2	6.7	2	-	-	2	5.6	1	-	1	2	7.8	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	1	3.9	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	CARTER					CHEROKEE					CHOCTAW				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	37,031		Wh.	Neg.	Ind.	19,142		Wh.	Neg.	Ind.	21,101		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	775	20.9	707	49	19	444	23.2	350	9	85	517	24.5	357	130	30
Physician in hospital	583	...	557	9	17	329	...	257	-	72	254	...	221	10	23
Physician in home	173	...	149	23	1	79	...	72	7	-	150	...	126	21	3
Midwife, other, or unknown	19	...	1	17	1	36	...	21	2	13	113	...	10	99	4
Stillbirths †	13	16.8	9	4	-	6	13.5	4	-	2	13	25.1	5	7	1
Physician in hospital	8	...	7	1	-	2	...	1	-	1	8	...	4	3	1
Physician in home	5	...	2	3	-	3	...	3	-	-	2	...	1	1	-
Midwife, other, or unknown	-	...	-	-	-	1	...	-	-	1	3	...	-	3	-
Total deaths, all causes*	367	9.9	319	46	2	132	6.9	100	7	25	182	8.6	136	39	7
Deaths under 1 year †	21	27.1	17	4	-	12	27.0	8	-	4	15	29.0	9	4	2
Deaths under 1 month †	12	15.5	11	1	-	5	11.3	3	-	2	12	23.2	8	3	1
Tuberculosis of respiratory system (001-008)	9	24.3	7	1	1	9	47.0	5	-	4	3	14.2	3	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	2	5.4	1	1	-	1	5.2	-	-	1	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	1	4.7	-	-	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	5.2	1	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	5.4	2	-	-	-	-	-	-	-	3	14.2	3	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	2.7	-	1	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	1	4.7	-	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)	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	52	140.4	46	6	-	20	104.5	18	-	2	25	118.5	18	6	1
Benign and unspecified neoplasms (210-239)	1	2.7	1	-	-	-	-	-	-	-	2	9.5	-	2	-
Diabetes mellitus (260)	9	24.3	5	4	-	3	15.7	3	-	-	5	23.7	4	1	-
Anemias (290-293)	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	48	129.6	41	7	-	16	83.6	10	3	3	13	61.6	9	4	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	4.7	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	4.7	-	1	-
Chronic rheumatic heart disease (410-416)	8	21.6	6	2	-	2	10.4	2	-	-	1	4.7	1	-	-
Arteriosclerotic and degenerative heart disease (420-422)	80	216.0	75	5	-	24	125.4	21	1	2	32	151.7	22	10	-
Other diseases of heart (430-434)	9	24.3	8	-	1	3	15.7	2	-	1	7	33.2	6	1	-
Hypertension with heart disease (440-443)	18	48.6	15	3	-	10	52.2	7	1	2	14	66.3	8	5	1
Hypertension without mention of heart (444-447)	3	8.1	3	-	-	-	-	-	-	-	1	4.7	1	-	-
Influenza (480-483)	5	13.5	2	3	-	1	5.2	-	-	1	1	4.7	-	-	1
Pneumonia (490-493)	13	35.1	12	1	-	6	31.3	5	-	1	5	23.7	4	1	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	2.7	1	-	-	-	-	-	-	-	1	4.7	1	-	-
Appendicitis (550-553)	2	5.4	2	-	-	1	5.2	-	-	1	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	8.1	2	1	-	2	10.4	1	-	1	3	14.2	2	-	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	3	8.1	3	-	-	1	5.2	1	-	-	1	4.7	1	-	-
Cirrhosis of liver (581)	4	10.8	4	-	-	1	5.2	1	-	-	1	4.7	1	-	-
Nephritis and nephrosis (590-594)	9	24.3	7	2	-	3	15.7	2	-	1	6	28.4	5	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	2	9.5	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	2	2.6	1	1	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	2.7	1	-	-	1	5.2	1	-	-	1	4.7	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	4	10.8	4	-	-	1	5.2	1	-	-	4	19.0	3	1	-
Infections of the newborn (763-768)	-	-	-	-	-	2	10.4	-	-	2	1	4.7	-	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	7	18.9	6	1	-	3	15.7	2	-	1	5	23.7	4	1	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	8	21.6	7	1	-	4	20.9	4	-	-	11	52.1	9	-	2
All other diseases (Residual)	31	83.7	27	4	-	9	47.0	7	-	2	14	66.3	11	3	-
Motor vehicle accidents (E810-E835)	7	18.9	7	-	-	1	5.2	1	-	-	3	14.2	3	-	-
All other accidents (E800-E802, E840-E962)	12	32.4	12	-	-	5	26.1	5	-	-	11	52.1	11	-	-
Suicide and self-inflicted injury (E963, E970-E979)	6	16.2	5	1	-	-	-	-	-	-	2	9.5	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	4	10.8	3	1	-	2	10.4	-	2	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	CIMARRON					CLEVELAND					COAL				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	4,488		Wh.	Neg.	Ind.	40,026		Wh.	Neg.	Ind.	8,385		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	118	26.3	118	-	-	961	24.0	950	-	11	158	18.8	145	4	9
Physician in hospital	66	...	66	-	-	911	...	903	-	8	64	...	58	-	6
Physician in home	52	...	52	-	-	42	...	42	-	-	90	...	84	3	3
Midwife, other, or unknown	-	...	-	-	-	8	...	5	-	3	4	...	3	1	-
Stillbirths †	1	8.5	1	-	-	12	12.5	12	-	-	3	19.0	3	-	-
Physician in hospital	1	...	1	-	-	12	...	12	-	-	1	...	1	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	2	...	2	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	29	6.5	29	-	-	191	4.8	191	-	-	76	9.1	65	10	1
Deaths under 1 year †	1	8.5	1	-	-	21	21.9	21	-	-	4	25.3	3	-	1
Deaths under 1 month †	-	-	-	-	-	19	19.8	19	-	-	2	12.7	2	-	-
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	5	12.5	5	-	-	2	2.4	2	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	2.5	1	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	2	5.0	2	-	-	-	-	-	-	-
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)	4	89.1	4	-	-	22	55.0	22	-	-	10	11.9	9	1	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	2.5	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	1	22.3	1	-	-	4	10.0	4	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	2	5.0	2	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	1	22.3	1	-	-	29	72.5	29	-	-	14	16.7	10	4	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	1.2	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	1.2	1	-	-
Chronic rheumatic heart disease (410-416)	3	66.8	3	-	-	1	2.5	1	-	-	3	3.6	3	-	-
Arteriosclerotic and degenerative heart disease (420-422)	3	66.8	3	-	-	33	82.4	33	-	-	13	15.5	13	-	-
Other diseases of heart (430-434)	-	-	-	-	-	1	2.5	1	-	-	2	2.4	2	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	6	15.0	6	-	-	4	4.8	2	2	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	2	5.0	2	-	-	1	1.2	1	-	-
Influenza (480-483)	1	22.3	1	-	-	3	7.5	3	-	-	1	1.2	1	-	-
Pneumonia (490-493)	3	66.8	3	-	-	3	7.5	3	-	-	1	1.2	-	1	-
Bronchitis (500-502)	-	-	-	-	-	1	2.5	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	2.5	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	1	2.5	1	-	-	2	2.4	1	-	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	2	5.0	2	-	-	1	1.2	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	1	2.5	1	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	44.6	2	-	-	3	7.5	3	-	-	3	3.6	3	-	-
Hyperplasia of prostate (610)	1	22.3	1	-	-	1	2.5	1	-	-	1	1.2	-	1	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	1	1.0	1	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	4	10.0	4	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	4	10.0	4	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	11	27.5	11	-	-	2	2.4	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	-	-	-	-	-	5	12.5	5	-	-	3	3.6	2	1	-
All other diseases (Residual)	5	111.4	5	-	-	12	30.0	12	-	-	5	6.0	5	-	-
Motor vehicle accidents (E810-E835)	2	44.6	2	-	-	10	25.0	10	-	-	-	-	-	-	-
All other accidents (E800-E802, E840-E962)	2	44.6	2	-	-	17	42.5	17	-	-	4	4.8	4	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	1	2.5	1	-	-	2	2.4	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	22.3	1	-	-	1	2.5	1	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	COMANCHE					COTTON					CRAIG				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	54,483		Wh.	Neg.	Ind.	10,440		Wh.	Neg.	Ind.	18,526		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	1291	23.7	1099	95	97	231	22.1	205	9	17	314	16.9	280	24	10
Physician in hospital	1111	...	983	31	97	175	...	158	-	17	267	...	254	4	9
Physician in home	157	...	108	49	-	55	...	47	8	-	46	...	26	19	1
Midwife, other, or unknown	23	...	8	15	-	1	...	-	1	-	1	...	-	1	-
Stillbirths †	26	20.1	18	8	-	2	8.7	1	1	-	9	28.7	9	-	-
Physician in hospital	20	...	16	4	-	1	...	1	-	-	8	...	8	-	-
Physician in home	4	...	1	3	-	1	...	-	1	-	1	...	1	-	-
Midwife, other, or unknown	2	...	1	1	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	314	5.8	267	26	21	85	8.1	84	-	1	181	9.8	162	14	5
Deaths under 1 year †	44	34.1	34	7	3	14	60.6	14	-	-	10	31.8	9	1	-
Deaths under 1 month †	27	20.9	24	3	-	10	43.3	10	-	-	8	25.5	7	1	-
Tuberculosis of respiratory system (001-008)	6	11.0	3	-	3	3	28.7	3	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	3	5.5	-	-	3	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	2	3.7	1	1	-	-	-	-	-	-	1	5.4	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	1	1.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	3.7	2	-	-	1	9.6	1	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	2	3.7	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	1.8	1	-	-	1	9.6	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	40	73.4	35	5	-	13	124.5	13	-	-	26	140.3	25	1	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	2	19.2	2	-	-	2	10.8	2	-	-
Diabetes mellitus (260)	3	5.5	2	-	1	1	9.6	1	-	-	3	16.2	3	-	-
Anemias (290-293)	-	-	-	-	-	1	9.6	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	27	49.6	23	2	2	6	57.5	6	-	-	24	129.5	21	2	1
Nonmeningococcal meningitis (340)	1	1.8	-	1	-	1	9.6	1	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	1.8	1	-	-	1	9.6	1	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	4	7.3	4	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	67	123.0	63	2	2	14	134.1	14	-	-	39	210.5	36	2	1
Other diseases of heart (430-434)	10	18.4	10	-	-	3	28.7	3	-	-	4	21.6	3	-	1
Hypertension with heart disease (440-443)	14	25.7	13	1	-	1	9.6	1	-	-	11	59.4	10	-	1
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	1	5.4	1	-	-
Influenza (480-483)	3	5.5	1	2	-	-	-	-	-	-	1	5.4	-	1	-
Pneumonia (490-493)	10	18.4	8	-	2	1	9.6	1	-	-	5	27.0	5	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	1.8	1	-	-	1	9.6	1	-	-	2	10.8	2	-	-
Appendicitis (550-553)	1	1.8	1	-	-	-	-	-	-	-	1	5.4	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	1.8	1	-	-	-	-	-	-	-	1	5.4	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	6	11.0	1	2	3	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	3	5.5	3	-	-	-	-	-	-	-	3	16.2	3	-	-
Nephritis and nephrosis (590-594)	6	11.0	4	1	1	6	57.5	6	-	-	3	16.2	2	1	-
Hyperplasia of prostate (610)	1	1.8	-	1	-	2	19.2	2	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	1	0.8	1	-	-	-	-	-	-	-	2	6.4	1	1	-
Congenital malformations (750-759)	5	9.2	5	-	-	4	38.3	4	-	-	4	21.6	4	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	15	27.5	15	-	-	3	28.7	3	-	-	-	-	-	-	-
Infections of the newborn (763-768)	3	5.5	2	1	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	8	14.7	7	1	-	5	47.9	5	-	-	5	27.0	4	1	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	11	20.2	10	-	1	1	9.6	1	-	-	12	64.8	9	2	1
All other diseases (Residual)	24	44.1	19	4	1	4	38.3	4	-	-	18	97.2	16	2	-
Motor vehicle accidents (E810-E835)	12	22.0	10	1	1	5	47.9	5	-	-	2	10.8	2	-	-
All other accidents (E800-E802, E840-E962)	10	18.4	10	-	-	3	28.7	2	-	1	5	27.0	5	-	-
Suicide and self-inflicted injury (E963, E970-E979)	5	9.2	5	-	-	2	19.2	2	-	-	2	10.8	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	4	7.3	3	1	-	-	-	-	-	-	4	21.6	3	1	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	CREEK					CUSTER					DELAWARE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	44,315		Wh.	Neg.	Ind.	21,263		Wh.	Neg.	Ind.	15,122		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	972	21.9	817	113	42	449	21.1	412	17	20	282	18.6	209	-	73
Physician in hospital	713	...	650	26	37	395	...	362	14	19	164	...	115	-	49
Physician in home	194	...	158	31	5	52	...	49	2	1	100	...	90	-	10
Midwife, other, or unknown	65	...	9	56	-	2	...	1	1	-	18	...	4	-	14
Stillbirths †	13	13.4	12	1	-	8	17.8	8	-	-	4	14.2	4	-	-
Physician in hospital	10	...	10	-	-	7	...	7	-	-	1	...	1	-	-
Physician in home	3	...	2	1	-	1	...	1	-	-	3	...	3	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	459	10.4	389	62	8	202	9.5	183	10	9	152	10.1	129	-	23
Deaths under 1 year †	33	34.0	28	4	1	20	44.5	18	-	2	11	39.0	7	-	4
Deaths under 1 month †	19	19.5	16	2	1	17	37.9	16	-	1	8	28.4	5	-	3
Tuberculosis of respiratory system (001-008)	17	38.4	12	5	-	1	4.7	1	-	-	6	39.7	2	-	4
Tuberculosis, other forms (010-019)	1	2.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	2	4.5	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)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	2.3	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)	2	4.5	2	-	-	1	4.7	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	53	119.6	49	3	1	24	112.9	21	1	2	21	138.9	19	-	2
Benign and unspecified neoplasms (210-239)	4	9.0	1	3	-	-	-	-	-	-	1	6.6	1	-	-
Diabetes mellitus (260)	12	27.1	12	-	-	5	23.5	2	3	-	2	13.2	1	-	1
Anemias (290-293)	1	2.3	-	1	-	1	4.7	1	-	-	1	6.6	1	-	-
Vascular lesions affecting central nervous system (330-334)	57	128.6	50	7	-	23	108.2	20	2	1	12	79.4	12	-	-
Nonmeningococcal meningitis (340)	1	2.3	-	1	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	2.3	1	-	-	1	4.7	1	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	2.3	1	-	-	5	23.5	5	-	-	2	13.2	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	100	225.7	88	10	2	47	221.0	45	1	1	41	271.1	38	-	3
Other diseases of heart (430-434)	13	29.3	11	2	-	3	14.1	3	-	-	2	13.2	2	-	-
Hypertension with heart disease (440-443)	18	40.6	12	5	1	12	56.4	11	-	1	3	19.8	2	-	1
Hypertension without mention of heart (444-447)	4	9.0	4	-	-	2	9.4	2	-	-	2	13.2	1	-	1
Influenza (480-483)	2	4.5	2	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	20	45.1	17	3	-	6	28.2	4	-	2	9	59.5	7	-	2
Bronchitis (500-502)	1	2.3	1	-	-	1	4.7	1	-	-	1	6.6	1	-	-
Ulcer of stomach and duodenum (540, 541)	5	11.3	4	1	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	3	6.8	3	-	-	1	4.7	1	-	-	2	13.2	2	-	-
Intestinal obstruction and hernia (560, 561, 570)	4	9.0	4	-	-	3	14.1	3	-	-	1	6.6	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	2.3	1	-	-	3	14.1	3	-	-	-	-	-	-	-
Cirrhosis of liver (581)	4	9.0	4	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	15	33.8	13	2	-	2	9.4	2	-	-	1	6.6	-	-	1
Hyperplasia of prostate (610)	6	13.5	4	1	1	2	9.4	2	-	-	1	6.6	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	1	3.5	-	-	1
Congenital malformations (750-759)	7	15.8	5	2	-	3	14.1	3	-	-	1	6.6	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	5	11.3	5	-	-	5	23.5	4	-	1	1	6.6	1	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	3	19.8	1	-	2
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	10	22.6	9	-	1	10	47.0	10	-	-	2	13.2	1	-	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	9	20.3	4	5	-	6	28.2	5	1	-	5	33.1	4	-	1
All other diseases (Residual)	37	83.5	31	4	2	18	84.7	16	1	1	13	86.0	12	-	1
Motor vehicle accidents (E810-E835)	17	38.4	16	1	-	4	18.8	4	-	-	2	13.2	2	-	-
All other accidents (E800-E802, E840-E962)	18	40.6	14	4	-	6	28.2	6	-	-	15	99.2	13	-	2
Suicide and self-inflicted injury (E963, E970-E979)	6	13.5	5	1	-	4	18.8	4	-	-	1	6.6	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	2.3	-	1	-	2	9.4	1	1	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	DEWEY					ELLIS					GARFIELD				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	9,100		Wh.	Neg.	Ind.	7,420		Wh.	Neg.	Ind.	52,047		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	169	18.6	158	1	10	139	18.7	139	-	-	1182	22.7	1118	60	4
Physician in hospital	118	...	108	1	9	136	...	136	-	-	1156	...	1094	58	4
Physician in home	41	...	41	-	-	3	...	3	-	-	25	...	23	2	-
Midwife, other, or unknown	10	...	9	-	1	-	...	-	-	-	1	...	1	-	-
Stillbirths †	1	5.9	-	-	1	1	7.2	1	-	-	20	16.9	17	3	-
Physician in hospital	1	...	-	-	1	1	...	1	-	-	20	...	17	3	-
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	86	9.5	85	-	1	65	8.8	65	-	-	460	8.8	441	19	-
Deaths under 1 year †	3	17.8	3	-	-	1	7.2	1	-	-	32	27.1	29	3	-
Deaths under 1 month †	3	17.8	3	-	-	1	7.2	1	-	-	27	22.8	24	3	-
Tuberculosis of respiratory system (001-008)	2	22.0	2	-	-	-	-	-	-	-	5	9.6	5	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	2	3.8	1	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)	-	-	-	-	-	1	13.5	1	-	-	8	15.4	8	-	-
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)	15	164.8	15	-	-	9	121.3	9	-	-	64	123.0	63	1	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	13.5	1	-	-	1	1.9	1	-	-
Diabetes mellitus (260)	2	22.0	2	-	-	1	13.5	1	-	-	7	13.4	6	1	-
Anemias (290-293)	1	11.0	1	-	-	-	-	-	-	-	4	7.7	4	-	-
Vascular lesions affecting central nervous system (330-334)	8	87.9	8	-	-	8	107.8	8	-	-	69	132.6	65	4	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	13.5	1	-	-	1	1.9	-	1	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	11.0	1	-	-	1	13.5	1	-	-	4	7.7	4	-	-
Arteriosclerotic and degenerative heart disease (420-422)	16	175.8	15	-	1	15	202.2	15	-	-	122	234.4	119	3	-
Other diseases of heart (430-434)	-	-	-	-	-	-	-	-	-	-	10	19.2	9	1	-
Hypertension with heart disease (440-443)	1	11.0	1	-	-	3	40.4	3	-	-	15	28.8	14	1	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	2	27.0	2	-	-	4	7.7	4	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	1	1.9	1	-	-
Pneumonia (490-493)	2	22.0	2	-	-	-	-	-	-	-	4	7.7	4	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	1.9	1	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	1	1.9	1	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	4	7.7	4	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	11.0	1	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	22.0	2	-	-	-	-	-	-	-	3	5.8	3	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	2	3.8	1	1	-
Nephritis and nephrosis (590-594)	2	22.0	2	-	-	3	40.4	3	-	-	17	32.7	16	1	-
Hyperplasia of prostate (610)	1	11.0	1	-	-	2	27.0	2	-	-	3	5.8	3	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	2	1.7	2	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	7	13.4	7	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	11.0	1	-	-	1	13.5	1	-	-	8	15.4	7	1	-
Infections of the newborn (763-768)	1	11.0	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	11.0	1	-	-	-	-	-	-	-	15	28.8	13	2	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	22.0	2	-	-	3	40.4	3	-	-	6	11.5	6	-	-
All other diseases (Residual)	9	98.9	9	-	-	8	107.8	8	-	-	29	55.7	28	1	-
Motor vehicle accidents (E810-E835)	7	76.9	7	-	-	2	27.0	2	-	-	12	23.1	12	-	-
All other accidents (E800-E802, E840-E962)	8	87.9	8	-	-	3	40.4	3	-	-	26	50.0	26	-	-
Suicide and self-inflicted injury (E963, E970-E979)	3	33.0	3	-	-	-	-	-	-	-	2	3.8	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	1	13.5	1	-	-	1	1.9	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	GARVIN					GRADY					GRANT				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	29,605		Wh.	Neg.	Ind.	35,397		Wh.	Neg.	Ind.	10,731		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	722	24.4	684	28	10	735	20.8	686	44	5	188	17.5	188	-	-
Physician in hospital	656	...	644	2	10	536	...	527	4	5	183	...	183	-	-
Physician in home	62	...	38	24	-	197	...	159	38	-	3	...	3	-	-
Midwife, other, or unknown	4	...	2	2	-	2	...	-	2	-	2	...	2	-	-
Stillbirths ✓	8	11.1	7	1	-	9	12.2	6	3	-	1	5.3	1	-	-
Physician in hospital	6	...	6	-	-	6	...	5	1	-	1	...	1	-	-
Physician in home	2	...	1	1	-	3	...	1	2	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	219	7.4	206	11	2	332	9.4	306	22	4	127	11.8	127	-	-
Deaths under 1 year ✓	17	23.5	14	1	2	31	42.2	28	2	1	4	21.3	4	-	-
Deaths under 1 month ✓	13	18.0	10	1	2	19	25.9	17	1	1	3	16.0	3	-	-
Tuberculosis of respiratory system (001-008)	3	10.1	3	-	-	3	8.5	2	1	-	4	37.3	4	-	-
Tuberculosis, other forms (010-019)	1	3.4	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	2	6.8	2	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	2.8	1	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	3.4	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	2	5.7	2	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	6	17.0	6	-	-	1	9.3	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	2	6.8	2	-	-	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)	1	3.4	1	-	-	1	2.8	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	32	108.1	31	1	-	49	138.4	45	3	1	16	149.1	16	-	-
Benign and unspecified neoplasms (210-239)	1	3.4	1	-	-	3	8.5	3	-	-	3	28.0	3	-	-
Diabetes mellitus (260)	1	3.4	1	-	-	2	5.7	2	-	-	2	18.6	2	-	-
Anemias (290-293)	-	-	-	-	-	1	2.8	1	-	-	1	9.3	1	-	-
Vascular lesions affecting central nervous system (330-334)	16	54.0	14	2	-	34	96.1	30	4	-	16	149.1	16	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	3.4	-	1	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	3	10.1	3	-	-	6	17.0	5	1	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	49	165.5	48	1	-	73	206.2	72	1	-	29	270.2	29	-	-
Other diseases of heart (430-434)	9	30.4	9	-	-	9	25.4	7	1	1	1	9.3	1	-	-
Hypertension with heart disease (440-443)	12	40.5	11	1	-	14	39.6	12	1	1	2	18.6	2	-	-
Hypertension without mention of heart (444-447)	4	13.5	4	-	-	3	8.5	3	-	-	-	-	-	-	-
Influenza (480-483)	1	3.4	1	-	-	2	5.7	2	-	-	-	-	-	-	-
Pneumonia (490-493)	6	20.3	5	1	-	18	50.9	15	3	-	4	37.3	4	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	4	11.3	4	-	-	3	28.0	3	-	-
Appendicitis (550-553)	2	6.8	2	-	-	1	2.8	-	1	-	1	9.3	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	10.1	3	-	-	-	-	-	-	-	3	28.0	3	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	3.4	1	-	-	2	5.7	2	-	-	-	-	-	-	-
Cirrhosis of liver (581)	2	6.8	2	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	5	16.9	5	-	-	7	19.8	7	-	-	4	37.3	4	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	2	18.6	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) ✓	1	1.4	1	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	4	13.5	4	-	-	7	19.8	7	-	-	2	18.6	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	10.1	1	-	2	7	19.8	7	-	-	1	9.3	1	-	-
Infections of the newborn (763-768)	3	10.1	3	-	-	1	2.8	-	1	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	6.8	1	1	-	10	28.3	9	-	1	1	9.3	1	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	9	30.4	7	2	-	8	22.6	7	1	-	4	37.3	4	-	-
All other diseases (Residual)	17	57.4	16	1	-	28	79.1	25	3	-	12	111.8	12	-	-
Motor vehicle accidents (E810-E835)	7	23.6	7	-	-	10	28.3	9	1	-	11	102.5	11	-	-
All other accidents (E800-E802, E840-E962)	13	43.9	13	-	-	16	45.2	16	-	-	3	28.0	3	-	-
Suicide and self-inflicted injury (E963, E970-E979)	2	6.8	2	-	-	-	-	-	-	-	1	18.6	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	3	8.5	3	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	GREER					HARMON					HARPER				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	11,986		Wh.	Neg.	Ind.	8,272		Wh.	Neg.	Ind.	5,937		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	204	17.0	195	8	1	185	22.4	176	9	-	124	20.9	122	-	2
Physician in hospital	182	...	180	1	1	152	...	152	-	-	91	...	89	-	2
Physician in home	22	...	15	7	-	33	...	24	9	-	32	...	32	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	1	...	1	-	-
Stillbirths ✓	1	4.9	-	1	-	2	10.8	2	-	-	1	8.1	1	-	-
Physician in hospital	-	...	-	-	-	2	...	2	-	-	-	...	-	-	-
Physician in home	1	...	-	1	-	-	...	-	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	89	7.4	86	3	-	55	6.6	53	2	-	43	7.2	43	-	-
Deaths under 1 year ✓	5	24.5	5	-	-	8	43.2	7	1	-	1	8.1	1	-	-
Deaths under 1 month ✓	3	14.7	3	-	-	7	37.8	6	1	-	1	8.1	1	-	-
Tuberculosis of respiratory system (001-008)	1	8.3	1	-	-	-	-	-	-	-	1	16.8	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	16.8	1	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	12.1	1	-	-	1	16.8	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)	-	-	-	-	-	-	-	-	-	-	1	16.8	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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	15	125.1	15	-	-	8	96.7	8	-	-	3	50.5	3	-	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	-	-	-	-	-	-	-	-	-	-	2	33.7	2	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	2	16.7	2	-	-	6	72.5	6	-	-	12	202.1	12	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	8.3	1	-	-	1	12.1	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	20	166.9	20	-	-	12	145.1	12	-	-	7	117.9	7	-	-
Other diseases of heart (430-434)	6	50.1	5	1	-	2	24.2	2	-	-	1	16.8	1	-	-
Hypertension with heart disease (440-443)	15	125.1	15	-	-	2	24.2	2	-	-	2	33.7	2	-	-
Hypertension without mention of heart (444-447)	6	50.1	6	-	-	1	12.1	1	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	1	16.8	1	-	-
Pneumonia (490-493)	1	8.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	1	16.8	1	-	-
Appendicitis (550-553)	-	-	-	-	-	1	12.1	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	12.1	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	8.3	1	-	-	1	12.1	1	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	1	8.3	1	-	-	1	12.1	1	-	-	-	-	-	-	-
Hyperplasia of prostate (610)	1	8.3	1	-	-	1	12.1	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) ✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	8.3	1	-	-	1	12.1	1	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	3	36.3	3	-	-	1	16.8	1	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	25.0	3	-	-	3	36.3	2	1	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	4	33.4	4	-	-	-	-	-	-	-	2	33.7	2	-	-
All other diseases (Residual)	8	66.7	7	1	-	5	60.4	5	-	-	4	67.4	4	-	-
Motor vehicle accidents (E810-E835)	1	8.3	1	-	-	2	24.2	2	-	-	2	33.7	2	-	-
All other accidents (E800-E802, E840-E962)	1	8.3	1	-	-	3	36.3	2	1	-	1	16.8	1	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	8.3	1	-	-	-	-	-	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	HASKELL					HUGHES					JACKSON				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	13,709		Wh.	Neg.	Ind.	21,503		Wh.	Neg.	Ind.	20,168		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	245	17.9	225	4	16	451	21.0	364	26	61	407	20.2	371	36	-
Physician in hospital	55	...	44	-	11	330	...	278	4	48	341	...	334	7	-
Physician in home	187	...	179	4	4	106	...	84	9	13	66	...	37	29	-
Midwife, other, or unknown	3	...	2	-	1	15	...	2	13	-	-	...	-	-	-
Stillbirths †	1	4.1	1	-	-	11	24.4	11	-	-	11	27.0	10	1	-
Physician in hospital	-	...	-	-	-	8	...	8	-	-	11	...	10	1	-
Physician in home	1	...	1	-	-	3	...	3	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	86	6.3	81	-	5	213	9.9	167	23	23	185	9.2	174	11	-
Deaths under 1 year †	4	16.3	4	-	-	18	39.9	12	2	4	18	44.2	15	3	-
Deaths under 1 month †	3	12.2	3	-	-	11	24.4	8	-	3	12	29.5	11	1	-
Tuberculosis of respiratory system (001-008)	1	7.3	1	-	-	6	27.9	3	1	2	3	14.9	3	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	1	4.7	-	-	1	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	7.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	1	5.0	1	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	1	5.0	-	1	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	1	5.0	1	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	1	5.0	1	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	14.6	2	-	-	2	9.3	2	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	4.7	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	7.3	1	-	-	3	14.0	1	-	2	1	5.0	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	9	65.7	8	-	1	28	130.2	23	1	4	25	124.0	24	1	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	2	9.3	1	1	-	1	5.0	1	-	-
Diabetes mellitus (260)	1	7.3	1	-	-	1	4.7	-	-	1	2	9.9	2	-	-
Anemias (290-293)	2	14.6	2	-	-	1	4.7	1	-	-	1	5.0	-	1	-
Vascular lesions affecting central nervous system (330-334)	9	65.7	8	-	1	29	134.9	23	5	1	25	124.0	24	1	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	2	9.3	-	1	1	1	5.0	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	7.3	1	-	-	1	4.7	1	-	-	2	9.9	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	22	160.5	20	-	2	43	200.0	39	1	3	37	183.5	35	2	-
Other diseases of heart (430-434)	3	21.9	3	-	-	5	23.3	5	-	-	6	29.8	5	1	-
Hypertension with heart disease (440-443)	5	36.5	5	-	-	7	32.6	4	3	-	4	19.8	4	-	-
Hypertension without mention of heart (444-447)	2	14.6	2	-	-	2	9.3	2	-	-	6	29.8	6	-	-
Influenza (480-483)	-	-	-	-	-	2	9.3	2	-	-	-	-	-	-	-
Pneumonia (490-493)	7	51.1	7	-	-	10	46.5	7	1	2	7	34.7	7	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	5.0	1	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	1	4.7	-	-	1	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	1	4.7	1	-	-	2	9.9	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	7.3	1	-	-	1	4.7	1	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	4	29.2	4	-	-	10	46.5	7	3	-	4	19.8	4	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	1	4.7	1	-	-	2	9.9	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	1	2.5	1	-	-
Congenital malformations (750-759)	-	-	-	-	-	2	9.3	2	-	-	1	5.0	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	1	4.7	1	-	-	5	24.8	5	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	14.6	2	-	-	8	37.2	5	-	3	5	24.8	4	1	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	21.9	3	-	-	9	41.9	9	-	-	6	29.8	6	-	-
All other diseases (Residual)	5	36.5	4	-	1	18	83.7	13	4	1	19	94.2	17	2	-
Motor vehicle accidents (E810-E835)	1	7.3	1	-	-	3	14.0	1	1	1	2	9.9	1	1	-
All other accidents (E800-E802, E840-E962)	3	21.9	3	-	-	9	41.9	8	1	-	7	34.7	7	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	1	4.7	1	-	-	4	19.8	4	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	7.3	1	-	-	-	-	-	-	-	1	5.0	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	JEFFERSON					JOHNSTON					KAY				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	11,512		Wh.	Neg.	Ind.	11,123		Wh.	Neg.	Ind.	48,738		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	238	20.7	231	5	2	219	19.7	200	7	12	1117	22.9	1026	28	63
Physician in hospital	183	...	176	5	2	111	...	101	-	10	1054	...	970	24	60
Physician in home	51	...	51	-	-	105	...	96	7	2	62	...	55	4	3
Midwife, other, or unknown	4	...	4	-	-	3	...	3	-	-	1	...	1	-	-
Stillbirths †	-	-	-	-	-	7	32.0	7	-	-	22	19.7	20	1	1
Physician in hospital	-	...	-	-	-	5	...	5	-	-	22	...	20	1	1
Physician in home	-	...	-	-	-	2	...	2	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	90	7.8	87	3	-	92	8.3	80	6	6	480	9.8	454	7	19
Deaths under 1 year †	15	63.0	15	-	-	10	45.7	7	-	3	26	23.3	18	3	5
Deaths under 1 month †	11	46.2	11	-	-	6	27.4	5	-	1	16	14.3	11	3	2
Tuberculosis of respiratory system (001-008)	1	8.7	1	-	-	4	36.0	2	2	-	9	18.5	6	-	3
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	2.1	1	-	-
Syphilis and its sequelae (020-029)	2	17.4	1	1	-	1	9.0	1	-	-	2	4.1	2	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	1	2.1	1	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	8.7	1	-	-	1	9.0	1	-	-	1	2.1	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	1	2.1	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	2.1	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	10	86.9	9	1	-	17	152.8	17	-	-	71	145.7	68	1	2
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	2.1	1	-	-
Diabetes mellitus (260)	1	8.7	1	-	-	2	18.0	2	-	-	9	18.5	9	-	-
Anemias (290-293)	1	8.7	1	-	-	1	9.0	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	7	60.8	7	-	-	5	45.0	4	-	1	54	110.8	53	1	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	2	4.1	2	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	8.7	1	-	-	1	9.0	1	-	-	4	8.2	4	-	-
Arteriosclerotic and degenerative heart disease (420-422)	12	104.2	12	-	-	19	170.8	17	-	2	127	260.6	126	-	1
Other diseases of heart (430-434)	1	8.7	1	-	-	4	36.0	4	-	-	5	10.3	5	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	2	18.0	1	1	-	29	59.5	29	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	1	9.0	1	-	-	7	14.4	7	-	-
Influenza (480-483)	-	-	-	-	-	1	9.0	1	-	-	-	-	-	-	-
Pneumonia (490-493)	5	43.4	5	-	-	5	45.0	3	-	2	10	20.5	6	-	4
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	8.7	1	-	-	-	-	-	-	-	2	4.1	2	-	-
Appendicitis (550-553)	1	8.7	1	-	-	1	9.0	1	-	-	3	6.2	3	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	8.7	1	-	-	-	-	-	-	-	3	6.2	3	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	8.7	1	-	-	1	9.0	1	-	-	2	4.1	1	-	1
Cirrhosis of liver (581)	2	17.4	2	-	-	1	9.0	1	-	-	4	8.2	3	-	1
Nephritis and nephrosis (590-594)	7	60.8	7	-	-	3	27.0	2	1	-	22	45.1	20	2	-
Hyperplasia of prostate (610)	-	-	-	-	-	1	9.0	1	-	-	2	4.1	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	1	4.6	1	-	-	2	1.8	2	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	5	10.3	4	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	5	43.4	5	-	-	3	27.0	3	-	-	3	6.2	2	-	1
Infections of the newborn (763-768)	-	-	-	-	-	1	9.0	-	-	1	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	6	52.1	6	-	-	2	18.0	2	-	-	7	14.4	5	1	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	7	60.8	7	-	-	4	36.0	4	-	-	4	8.2	4	-	-
All other diseases (Residual)	8	69.5	7	1	-	6	53.9	5	1	-	48	98.5	45	1	2
Motor vehicle accidents (E810-E835)	2	17.4	2	-	-	2	18.0	2	-	-	4	8.2	4	-	-
All other accidents (E800-E802, E840-E962)	5	43.4	5	-	-	-	-	-	-	-	24	49.2	22	-	2
Suicide and self-inflicted injury (E963, E970-E979)	1	8.7	1	-	-	1	9.0	-	1	-	8	16.4	8	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	8.7	1	-	-	1	9.0	1	-	-	2	4.1	1	-	1

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	KINGFISHER					KIOWA					LATIMER				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	13,149		Wh.	Neg.	Ind.	19,299		Wh.	Neg.	Ind.	9,670		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	245	18.6	228	14	3	422	21.9	373	25	24	174	18.0	152	2	20
Physician in hospital	217	...	213	2	2	372	...	330	18	24	70	...	56	-	14
Physician in home	25	...	15	9	1	50	...	43	7	-	101	...	94	2	5
Midwife, other, or unknown	3	...	-	3	-	-	...	-	-	-	3	...	2	-	1
Stillbirths †	6	24.5	5	-	1	6	14.2	5	1	-	3	17.2	3	-	-
Physician in hospital	6	...	5	-	1	5	...	4	1	-	-	...	-	-	-
Physician in home	-	...	-	-	-	1	...	1	-	-	3	...	3	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	107	8.1	93	11	3	179	9.3	172	6	1	84	8.7	75	3	6
Deaths under 1 year †	8	32.7	6	1	1	12	28.4	11	1	-	3	17.2	2	-	1
Deaths under 1 month †	6	24.5	5	1	-	8	19.0	8	-	-	2	11.5	1	-	1
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	2	10.4	2	-	-	5	51.7	3	1	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	1	5.2	1	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	5.2	1	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	5.2	1	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	7.6	1	-	-	-	-	-	-	-	1	10.3	-	-	1
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	1	5.2	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	15.2	2	-	-	-	-	-	-	-	1	10.3	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	17	129.3	14	3	-	22	114.0	20	2	-	10	103.4	10	-	-
Benign and unspecified neoplasms (210-239)	1	7.6	1	-	-	1	5.2	-	1	-	1	10.3	1	-	-
Diabetes mellitus (260)	1	7.6	-	1	-	2	10.4	2	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	2	10.4	2	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	13	98.9	12	1	-	11	57.0	11	-	-	15	155.1	15	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	5.2	-	1	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	7.6	1	-	-	1	5.2	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	27	205.3	26	1	-	53	274.6	52	-	1	16	165.5	13	1	2
Other diseases of heart (430-434)	2	15.2	1	1	-	1	5.2	1	-	-	3	31.0	3	-	-
Hypertension with heart disease (440-443)	8	60.8	6	1	1	11	57.0	11	-	-	2	20.7	1	-	1
Hypertension without mention of heart (444-447)	2	15.2	1	1	-	1	5.2	1	-	-	2	20.7	2	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	5	38.0	4	-	1	10	51.8	10	-	-	2	20.7	2	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	2	10.4	2	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	5.2	1	-	-	1	10.3	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	4	20.7	3	1	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	1	7.6	1	-	-	6	31.1	6	-	-	3	31.0	3	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	3	15.5	3	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	7.6	1	-	-	3	15.5	3	-	-	2	20.7	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	2	15.2	2	-	-	2	10.4	2	-	-	1	10.3	-	-	1
Infections of the newborn (763-768)	1	7.6	-	1	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	22.8	3	-	-	3	15.5	3	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	-	-	-	-	-	3	15.5	3	-	-	3	31.0	2	1	-
All other diseases (Residual)	13	98.9	11	1	1	16	82.9	16	-	-	6	62.0	6	-	-
Motor vehicle accidents (E810-E835)	1	7.6	1	-	-	4	20.7	4	-	-	2	20.7	2	-	-
All other accidents (E800-E802, E840-E962)	4	30.4	4	-	-	5	25.9	5	-	-	8	82.7	8	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	7.6	1	-	-	4	20.7	4	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	1	5.2	-	1	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	LEFLORE					LINCOLN					LOGAN				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	36,289		Wh.	Neg.	Ind.	22,770		Wh.	Neg.	Ind.	22,372		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	793	21.9	730	27	36	400	17.6	349	43	8	478	21.4	363	115	-
Physician in hospital	402	...	366	3	33	313	...	290	15	8	366	...	320	46	-
Physician in home	356	...	348	5	3	75	...	51	24	-	77	...	43	34	-
Midwife, other, or unknown	35	...	16	19	-	12	...	8	4	-	35	...	-	35	-
Stillbirths †	17	21.4	14	2	1	9	22.5	8	1	-	4	8.4	4	-	-
Physician in hospital	9	...	8	1	-	6	...	5	1	-	3	...	3	-	-
Physician in home	6	...	5	-	1	2	...	2	-	-	1	...	1	-	-
Midwife, other, or unknown	2	...	1	1	-	1	...	1	-	-	-	...	-	-	-
Total deaths, all causes*	301	8.3	275	15	11	237	10.4	215	21	1	280	12.5	217	63	-
Deaths under 1 year †	31	39.1	29	1	1	13	32.5	11	2	-	11	23.0	6	5	-
Deaths under 1 month †	17	21.4	15	1	1	8	20.0	8	-	-	7	14.6	4	3	-
Tuberculosis of respiratory system (001-008)	11	30.3	9	1	1	7	30.7	6	1	-	3	13.4	3	-	-
Tuberculosis, other forms (010-019)	1	2.8	1	-	-	-	-	-	-	-	1	4.5	-	1	-
Syphilis and its sequelae (020-029)	1	2.8	1	-	-	-	-	-	-	-	2	8.9	2	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	2.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	2.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	1	4.4	1	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	2.8	1	-	-	1	4.4	1	-	-	1	4.5	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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	39	107.5	37	1	1	30	131.8	30	-	-	39	174.3	34	5	-
Benign and unspecified neoplasms (210-239)	1	2.8	1	-	-	-	-	-	-	-	1	4.5	1	-	-
Diabetes mellitus (260)	5	13.8	4	-	1	2	8.8	1	1	-	3	13.4	3	-	-
Anemias (290-293)	1	2.8	1	-	-	-	-	-	-	-	1	4.5	1	-	-
Vascular lesions affecting central nervous system (330-334)	25	68.9	22	1	2	31	136.1	27	4	-	36	160.9	28	8	-
Nonmeningococcal meningitis (340)	1	2.8	-	-	1	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	3	8.3	3	-	-	2	8.8	1	1	-	6	26.8	3	3	-
Arteriosclerotic and degenerative heart disease (420-422)	41	113.0	38	1	2	55	241.5	53	2	-	68	304.0	52	16	-
Other diseases of heart (430-434)	15	41.3	15	-	-	5	22.0	5	-	-	7	31.3	4	3	-
Hypertension with heart disease (440-443)	11	30.3	11	-	-	21	92.2	19	1	1	22	98.3	14	8	-
Hypertension without mention of heart (444-447)	6	16.5	5	1	-	6	26.4	6	-	-	1	4.5	1	-	-
Influenza (480-483)	4	11.0	3	1	-	1	4.4	1	-	-	-	-	-	-	-
Pneumonia (490-493)	9	24.8	8	1	-	3	13.2	2	1	-	5	22.3	4	1	-
Bronchitis (500-502)	1	2.8	1	-	-	-	-	-	-	-	1	4.5	1	-	-
Ulcer of stomach and duodenum (540, 541)	2	5.5	2	-	-	-	-	-	-	-	3	13.4	3	-	-
Appendicitis (550-553)	4	11.0	4	-	-	1	4.4	-	1	-	3	13.4	3	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	5.5	2	-	-	4	17.6	3	1	-	3	13.4	3	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	5.5	2	-	-	3	13.2	2	1	-	1	4.5	1	-	-
Cirrhosis of liver (581)	4	11.0	4	-	-	2	8.8	2	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	13	35.8	12	1	-	6	26.4	5	1	-	7	31.3	2	5	-
Hyperplasia of prostate (610)	1	2.8	1	-	-	2	8.8	2	-	-	4	17.9	3	1	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	1	1.3	1	-	-	-	-	-	-	-	2	4.2	2	-	-
Congenital malformations (750-759)	7	19.3	6	1	-	5	22.0	5	-	-	2	8.9	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	2	5.5	2	-	-	1	4.4	1	-	-	3	13.4	2	1	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	11	30.3	10	-	1	3	13.2	3	-	-	3	13.4	1	2	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	10	27.6	9	1	-	4	17.6	3	1	-	2	8.9	2	-	-
All other diseases (Residual)	29	79.9	25	3	1	21	92.2	19	2	-	21	93.9	15	6	-
Motor vehicle accidents (E810-E835)	11	30.3	10	-	1	7	30.7	7	-	-	6	26.8	6	-	-
All other accidents (E800-E802, E840-E962)	19	52.4	18	1	-	12	52.7	9	3	-	19	84.9	16	3	-
Suicide and self-inflicted injury (E963, E970-E979)	1	2.8	1	-	-	-	-	-	-	-	3	13.4	3	-	-
Homicide and operations of war (E964, E965, E980-E999)	4	11.0	3	1	-	1	4.4	1	-	-	1	4.5	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	LOVE					MCCLAIN					MCCURTAIN				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	8,098		Wh.	Neg.	Ind.	15,068		Wh.	Neg.	Ind.	32,485		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	161	19.9	149	8	4	273	18.1	267	5	1	721	22.2	514	117	90
Physician in hospital	52	...	50	-	2	213	...	211	1	1	249	...	194	4	51
Physician in home	108	...	99	7	2	57	...	56	1	-	368	...	308	46	14
Midwife, other, or unknown	1	...	-	1	-	3	...	-	3	-	104	...	12	67	25
Stillbirths †	-	-	-	-	-	4	14.7	4	-	-	12	16.6	8	1	3
Physician in hospital	-	...	-	-	-	4	...	4	-	-	7	...	4	-	3
Physician in home	-	...	-	-	-	-	...	-	-	-	4	...	4	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	1	...	-	1	-
Total deaths, all causes*	83	10.2	77	5	1	108	7.2	106	2	-	304	9.4	209	63	32
Deaths under 1 year †	-	-	-	-	-	7	25.6	7	-	-	31	43.0	17	5	9
Deaths under 1 month †	-	-	-	-	-	5	18.3	5	-	-	18	25.0	12	3	3
Tuberculosis of respiratory system (001-008)	2	24.7	2	-	-	3	19.9	3	-	-	13	40.0	3	4	6
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	2	6.2	1	1	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	6.6	1	-	-	2	6.2	1	1	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	2	6.2	2	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	1	6.6	1	-	-	1	3.1	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	6.6	1	-	-	2	6.2	2	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	11	135.8	11	-	-	13	86.3	13	-	-	38	117.0	35	2	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	6.6	1	-	-	3	9.2	2	1	-
Diabetes mellitus (260)	3	37.0	3	-	-	2	13.3	1	1	-	6	18.5	4	1	1
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	10	123.5	9	1	-	13	86.3	13	-	-	42	129.3	27	14	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	6.6	1	-	-	1	3.1	-	1	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	1	6.6	1	-	-	6	18.5	5	1	-
Arteriosclerotic and degenerative heart disease (420-422)	14	172.9	14	-	-	26	172.6	26	-	-	46	141.6	39	6	1
Other diseases of heart (430-434)	2	24.7	2	-	-	3	19.9	3	-	-	10	30.8	8	2	-
Hypertension with heart disease (440-443)	4	49.4	3	-	1	4	26.5	4	-	-	12	36.9	8	2	2
Hypertension without mention of heart (444-447)	4	49.4	3	1	-	2	13.3	2	-	-	2	6.2	2	-	-
Influenza (480-483)	2	24.7	2	-	-	-	-	-	-	-	1	3.1	-	1	-
Pneumonia (490-493)	4	49.4	4	-	-	-	-	-	-	-	15	46.2	8	3	4
Bronchitis (500-502)	1	12.3	1	-	-	1	6.6	1	-	-	2	6.2	2	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	6.6	1	-	-	1	3.1	-	-	1
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	1	3.1	-	1	-
Intestinal obstruction and hernia (560, 561, 570)	1	12.3	1	-	-	2	13.3	2	-	-	4	12.3	1	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	12.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	12.3	1	-	-	1	6.6	1	-	-	1	3.1	1	-	-
Nephritis and nephrosis (590-594)	2	24.7	2	-	-	2	13.3	2	-	-	4	12.3	3	1	-
Hyperplasia of prostate (610)	1	12.3	1	-	-	1	6.6	1	-	-	3	9.2	2	1	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	1	3.7	1	-	-	5	6.9	2	1	2
Congenital malformations (750-759)	-	-	-	-	-	2	13.3	2	-	-	5	15.4	5	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	2	13.3	2	-	-	7	21.5	4	2	1
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	2	13.3	2	-	-	5	15.4	3	1	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	4	49.4	3	1	-	1	3.7	1	-	-	16	49.3	9	2	5
All other diseases (Residual)	5	61.7	5	-	-	8	53.1	7	1	-	19	58.5	10	5	4
Motor vehicle accidents (E810-E835)	4	49.4	4	-	-	4	26.5	4	-	-	10	30.8	8	1	1
All other accidents (E800-E802, E840-E962)	6	74.1	5	1	-	7	46.5	7	-	-	9	27.7	7	2	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	1	6.6	1	-	-	2	6.2	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	12.3	-	1	-	-	-	-	-	-	6	18.5	2	4	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	MCINTOSH					MAJOR					MARSHALL				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	18,451		Wh.	Neg.	Ind.	10,430		Wh.	Neg.	Ind.	8,574		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	435	23.6	297	89	49	216	20.7	214	-	2	159	18.5	139	9	11
Physician in hospital	220	...	179	5	36	194	...	192	-	2	128	...	118	2	8
Physician in home	136	...	107	25	4	21	...	21	-	-	29	...	21	7	1
Midwife, other, or unknown	79	...	11	59	9	1	...	1	-	-	2	...	-	-	2
Stillbirths †	9	20.7	4	1	4	3	13.9	3	-	-	2	12.6	2	-	-
Physician in hospital	5	...	1	-	4	3	...	3	-	-	2	...	2	-	-
Physician in home	4	...	3	1	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	172	9.3	115	45	12	89	8.5	89	-	-	77	9.0	72	3	2
Deaths under 1 year †	19	43.7	13	5	1	7	32.4	7	-	-	4	25.2	-	3	1
Deaths under 1 month †	14	32.2	10	4	-	4	18.5	4	-	-	4	25.2	-	3	1
Tuberculosis of respiratory system (001-008)	10	54.2	3	3	4	-	-	-	-	-	1	11.7	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	11.7	1	-	-
Syphilis and its sequelae (020-029)	2	10.8	1	1	-	-	-	-	-	-	1	11.7	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	1	11.7	1	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	5.4	1	-	-	1	9.6	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	10.8	1	1	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	18	97.6	12	3	3	11	105.5	11	-	-	9	105.0	9	-	-
Benign and unspecified neoplasms (210-239)	1	5.4	1	-	-	-	-	-	-	-	1	11.7	1	-	-
Diabetes mellitus (260)	4	21.7	1	3	-	3	28.8	3	-	-	1	11.7	1	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	16	86.7	8	8	-	17	163.0	17	-	-	7	81.6	7	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	5	27.1	4	1	-	1	9.6	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	37	200.5	31	5	1	16	153.4	16	-	-	16	186.6	16	-	-
Other diseases of heart (430-434)	5	27.1	3	2	-	3	28.8	3	-	-	2	23.3	2	-	-
Hypertension with heart disease (440-443)	13	70.5	6	5	2	3	28.8	3	-	-	6	70.0	6	-	-
Hypertension without mention of heart (444-447)	1	5.4	1	-	-	2	19.2	2	-	-	-	-	-	-	-
Influenza (480-483)	1	5.4	-	-	1	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	3	16.3	2	1	-	1	9.6	1	-	-	3	35.0	3	-	-
Bronchitis (500-502)	-	-	-	-	-	1	9.6	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	1	5.4	-	1	-	-	-	-	-	-	1	11.7	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	5.4	1	-	-	1	9.6	1	-	-	1	11.7	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	5.4	1	-	-	-	-	-	-	-	1	11.7	-	-	1
Cirrhosis of liver (581)	3	16.3	2	1	-	-	-	-	-	-	1	11.7	1	-	-
Nephritis and nephrosis (590-594)	4	21.7	3	-	1	5	47.9	5	-	-	4	46.7	4	-	-
Hyperplasia of prostate (610)	1	5.4	1	-	-	2	19.2	2	-	-	1	11.7	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	2	10.8	2	-	-	1	9.6	1	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	16.3	2	1	-	2	19.2	2	-	-	1	11.7	-	1	-
Infections of the newborn (763-768)	2	10.8	-	2	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	7	37.9	6	1	-	2	19.2	2	-	-	3	35.0	-	2	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	6	32.5	2	4	-	-	-	-	-	-	-	-	-	-	-
All other diseases (Residual)	13	70.5	12	1	-	8	76.7	8	-	-	3	35.0	3	-	-
Motor vehicle accidents (E810-E835)	4	21.7	4	-	-	1	9.6	1	-	-	4	46.7	4	-	-
All other accidents (E800-E802, E840-E962)	4	21.7	3	1	-	8	76.7	8	-	-	7	81.6	7	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	5.4	1	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	1	11.7	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	MAYES					MURRAY					MUSKOGEE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	19,704		Wh.	Neg.	Ind.	11,052		Wh.	Neg.	Ind.	66,634		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	373	18.9	290	3	80	219	19.8	208	6	5	1411	21.2	1109	254	48
Physician in hospital	271	...	203	-	68	187	...	180	2	5	1045	...	960	49	36
Physician in home	94	...	83	2	9	31	...	28	3	-	1235	...	135	90	10
Midwife, other, or unknown	8	...	4	1	3	1	...	-	1	-	131	...	14	115	2
Stillbirths †	8	21.4	4	-	4	5	22.8	5	-	-	32	22.7	18	11	3
Physician in hospital	6	...	4	-	2	5	...	5	-	-	22	...	15	4	3
Physician in home	1	...	-	-	1	-	...	-	-	-	7	...	3	4	-
Midwife, other, or unknown	1	...	-	-	1	-	...	-	-	-	3	...	-	3	-
Total deaths, all causes*	162	8.2	149	3	10	117	10.6	109	4	4	661	9.9	449	202	10
Deaths under 1 year †	4	10.7	3	-	1	3	13.7	3	-	-	41	29.1	23	16	2
Deaths under 1 month †	3	8.0	3	-	-	1	4.6	1	-	-	30	21.3	20	9	1
Tuberculosis of respiratory system (001-008)	2	10.2	2	-	-	1	9.0	1	-	-	25	37.5	9	16	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	3	4.5	1	2	-
Syphilis and its sequelae (020-029)	1	5.1	1	-	-	-	-	-	-	-	7	10.5	1	6	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	3	4.5	-	3	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	1	1.5	-	1	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	2	18.1	2	-	-	3	4.5	3	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	9.0	1	-	-	1	1.5	-	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	9.0	1	-	-	2	3.0	-	2	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	25	126.9	24	-	1	7	63.3	7	-	-	82	123.1	67	14	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	9.0	1	-	-	6	9.0	5	1	-
Diabetes mellitus (260)	7	35.5	6	-	1	1	9.0	-	-	1	10	15.0	7	2	1
Anemias (290-293)	-	-	-	-	-	2	18.1	1	1	-	4	6.0	3	1	-
Vascular lesions affecting central nervous system (330-334)	21	106.6	20	-	1	13	117.6	12	1	-	101	151.6	65	35	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	3	4.5	1	2	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	6	30.5	5	-	1	4	36.2	4	-	-	7	10.5	4	3	-
Arteriosclerotic and degenerative heart disease (420-422)	41	208.1	41	-	-	37	334.8	35	1	1	127	190.6	108	17	2
Other diseases of heart (430-434)	4	20.3	4	-	-	1	9.0	1	-	-	20	30.0	13	7	-
Hypertension with heart disease (440-443)	11	55.8	10	-	1	9	81.4	9	-	-	47	70.5	28	19	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	1	9.0	1	-	-	11	16.5	5	5	1
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	7	10.5	2	4	1
Pneumonia (490-493)	3	15.2	2	-	1	2	18.1	2	-	-	14	21.0	9	3	2
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	3	4.5	2	1	-
Appendicitis (550-553)	1	5.1	1	-	-	-	-	-	-	-	3	4.5	2	1	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	10	15.0	5	5	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	9.0	1	-	-	2	3.0	2	-	-
Cirrhosis of liver (581)	1	5.1	1	-	-	-	-	-	-	-	6	9.0	5	1	-
Nephritis and nephrosis (590-594)	2	10.2	1	-	1	4	36.2	3	-	1	12	18.0	6	6	-
Hyperplasia of prostate (610)	1	5.1	-	1	-	2	18.1	2	-	-	1	1.5	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	3	2.1	-	3	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	4	6.0	4	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	5.1	1	-	-	1	9.0	1	-	-	9	13.5	8	1	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	1	1.5	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	10.2	2	-	-	-	-	-	-	-	13	19.5	9	4	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	4	20.3	1	-	3	4	36.2	3	1	-	16	24.0	10	6	-
All other diseases (Residual)	15	76.1	14	1	-	9	81.4	9	-	-	43	64.5	30	12	1
Motor vehicle accidents (E810-E835)	2	10.2	2	-	-	3	27.1	3	-	-	14	21.0	12	2	-
All other accidents (E800-E802, E840-E962)	10	50.8	9	1	-	8	72.4	7	-	1	26	39.0	17	9	-
Suicide and self-inflicted injury (E963, E970-E979)	1	5.1	1	-	-	1	9.0	1	-	-	2	3.0	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	5.1	1	-	-	1	9.0	1	-	-	9	13.5	2	7	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	NOBLE					NOWATA					OKFUSKEE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	12,446		Wh.	Neg.	Ind.	13,015		Wh.	Neg.	Ind.	17,897		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	226	18.2	199	9	18	242	18.6	221	19	2	368	20.6	258	74	36
Physician in hospital	139	...	119	2	18	206	...	196	8	2	225	...	178	17	30
Physician in home	87	...	80	7	-	29	...	24	5	-	119	...	77	38	4
Midwife, other, or unknown	-	...	-	-	-	7	...	1	6	-	24	...	3	19	2
Stillbirths †	2	8.8	2	-	-	1	4.1	1	-	-	5	13.6	3	1	1
Physician in hospital	1	...	1	-	-	1	...	1	-	-	3	...	3	-	-
Physician in home	1	...	1	-	-	-	...	-	-	-	2	...	-	1	1
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	122	9.8	115	1	6	148	11.4	127	19	2	201	11.2	134	43	24
Deaths under 1 year †	7	31.0	7	-	-	9	37.2	8	1	-	16	43.5	11	1	4
Deaths under 1 month †	6	26.5	6	-	-	5	20.7	4	1	-	13	35.3	10	1	2
Tuberculosis of respiratory system (001-008)	5	40.2	2	-	3	3	23.1	3	-	-	10	55.9	2	4	4
Tuberculosis, other forms (010-019)	-	-	-	-	-	1	7.7	1	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	3	16.8	1	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	1	5.6	1	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	1	5.6	-	1	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	1	5.6	-	-	1
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	3	24.1	3	-	-	-	-	-	-	-	1	5.6	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	8.0	1	-	-	-	-	-	-	-	1	5.6	-	-	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	5.6	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	8	64.3	8	-	-	18	138.3	17	1	-	18	100.6	15	2	1
Benign and unspecified neoplasms (210-239)	1	8.0	1	-	-	1	7.7	-	1	-	2	11.2	2	-	-
Diabetes mellitus (260)	-	-	-	-	-	2	15.4	2	-	-	5	27.9	3	-	2
Anemias (290-293)	-	-	-	-	-	1	7.7	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	18	144.6	18	-	-	23	176.7	19	4	-	16	89.4	13	1	2
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	2	15.4	2	-	-	2	11.2	1	-	1
Arteriosclerotic and degenerative heart disease (420-422)	24	192.8	23	-	1	41	315.0	35	6	-	40	223.5	29	8	3
Other diseases of heart (430-434)	5	40.2	5	-	-	2	15.4	2	-	-	7	39.1	4	1	2
Hypertension with heart disease (440-443)	7	56.2	7	-	-	4	30.7	4	-	-	10	55.9	6	4	-
Hypertension without mention of heart (444-447)	1	8.0	1	-	-	1	7.7	1	-	-	2	11.2	1	1	-
Influenza (480-483)	1	8.0	1	-	-	1	7.7	1	-	-	1	5.6	1	-	-
Pneumonia (490-493)	3	24.1	3	-	-	3	23.1	3	-	-	8	44.7	5	1	2
Bronchitis (500-502)	1	8.0	1	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	8.0	1	-	-	1	7.7	1	-	-	3	16.8	2	1	-
Appendicitis (550-553)	-	-	-	-	-	2	15.4	2	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	16.1	2	-	-	2	15.4	1	1	-	3	16.8	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	2	15.4	2	-	-	2	11.2	2	-	-
Cirrhosis of liver (581)	-	-	-	-	-	2	15.4	2	-	-	1	5.6	1	-	-
Nephritis and nephrosis (590-594)	2	16.1	1	-	1	4	30.7	4	-	-	13	72.6	6	7	-
Hyperplasia of prostate (610)	1	8.0	1	-	-	1	7.7	1	-	-	3	16.8	1	2	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	2	8.3	2	-	-	-	-	-	-	-
Congenital malformations (750-759)	2	16.1	2	-	-	2	15.4	2	-	-	1	5.6	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	1	7.7	1	-	-	3	16.8	3	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	2	11.2	1	-	1
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	4	32.1	4	-	-	2	15.4	1	1	-	4	22.4	4	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	7	56.2	7	-	-	2	15.4	2	-	-	3	16.8	1	-	2
All other diseases (Residual)	7	56.2	7	-	-	10	76.8	7	3	-	12	67.1	9	3	-
Motor vehicle accidents (E810-E835)	4	32.1	4	-	-	5	38.4	2	1	2	4	22.4	3	1	-
All other accidents (E800-E802, E840-E962)	12	96.4	11	-	1	5	38.4	4	1	-	16	89.4	12	3	1
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	2	15.4	2	-	-	1	5.6	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	2	16.1	1	1	-	-	-	-	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	OKLAHOMA					OKMULGEE					OSAGE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	314,684		Wh.	Neg.	Ind.	44,716		Wh.	Neg.	Ind.	33,496		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	8063	25.6	7178	809	76	932	20.8	758	121	53	624	18.6	538	32	54
Physician in hospital	7850	...	7045	733	72	679	...	622	10	47	492	...	439	11	42
Physician in home	161	...	107	51	3	190	...	135	52	3	123	...	93	18	12
Midwife, other, or unknown	52	...	26	25	1	63	...	1	59	3	9	...	6	3	-
Stillbirths †	114	14.1	95	18	1	22	23.6	18	1	3	13	20.8	10	-	3
Physician in hospital	106	...	89	16	1	19	...	15	1	3	10	...	7	-	3
Physician in home	3	...	2	1	-	3	...	3	-	-	3	...	3	-	-
Midwife, other, or unknown	5	...	4	1	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	2450	7.8	2220	222	8	456	10.2	357	84	15	311	9.3	286	7	18
Deaths under 1 year †	236	29.3	205	28	3	47	50.4	38	5	4	18	28.8	14	3	1
Deaths under 1 month †	186	23.1	165	19	2	36	38.6	30	4	2	14	22.4	10	3	1
Tuberculosis of respiratory system (001-008)	52	16.5	39	13	-	16	35.8	7	8	1	5	14.9	4	-	1
Tuberculosis, other forms (010-019)	1	0.3	1	-	-	1	2.2	1	-	-	2	6.0	2	-	-
Syphilis and its sequelae (020-029)	25	7.9	22	2	1	5	11.2	2	3	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	2.2	1	-	-	1	3.0	1	-	-
Diphtheria (055)	1	0.3	-	1	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	0.3	1	-	-	2	4.5	1	1	-	-	-	-	-	-
Acute poliomyelitis (080)	18	5.7	18	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	2	0.6	2	-	-	1	2.2	1	-	-	2	6.0	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)	5	1.6	4	1	-	-	-	-	-	-	1	3.0	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	355	112.8	331	23	1	79	176.7	68	8	3	46	137.3	45	-	1
Benign and unspecified neoplasms (210-239)	14	4.4	12	2	-	3	6.7	3	-	-	1	3.0	1	-	-
Diabetes mellitus (260)	38	12.1	37	1	-	4	8.9	3	1	-	7	20.9	5	-	2
Anemias (290-293)	3	1.0	2	-	1	-	-	-	-	-	2	6.0	2	-	-
Vascular lesions affecting central nervous system (330-334)	239	75.9	220	19	-	57	127.5	39	18	-	30	89.6	30	-	-
Nonmeningococcal meningitis (340)	2	0.6	2	-	-	1	2.2	1	-	-	-	-	-	-	-
Rheumatic fever (400-402)	2	0.6	2	-	-	-	-	-	-	-	2	6.2	2	-	-
Chronic rheumatic heart disease (410-416)	28	8.9	26	2	-	4	8.9	2	-	2	6	17.9	5	1	-
Arteriosclerotic and degenerative heart disease (420-422)	544	172.9	525	18	1	76	170.0	70	6	-	60	179.1	54	1	5
Other diseases of heart (430-434)	93	29.9	73	20	-	6	13.4	6	-	-	8	23.9	7	1	-
Hypertension with heart disease (440-443)	114	36.2	100	14	-	21	47.0	13	8	-	14	41.8	14	-	-
Hypertension without mention of heart (444-447)	26	8.3	22	4	-	6	13.4	3	3	-	5	14.9	4	-	1
Influenza (480-483)	8	2.5	7	1	-	1	2.2	1	-	-	1	3.0	1	-	-
Pneumonia (490-493)	57	18.1	53	4	-	14	31.3	11	2	1	7	20.9	7	-	-
Bronchitis (500-502)	9	2.9	7	2	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	15	4.8	14	-	1	-	-	-	-	-	2	6.0	2	-	-
Appendicitis (550-553)	9	2.9	8	1	-	2	4.5	1	1	-	1	3.0	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	22	7.0	20	2	-	7	15.7	4	3	-	2	6.0	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	13	4.1	11	2	-	5	11.2	3	1	1	-	-	-	-	-
Cirrhosis of liver (581)	16	5.1	16	-	-	1	2.2	1	-	-	4	11.9	1	-	3
Nephritis and nephrosis (590-594)	39	12.4	19	20	-	15	33.5	8	5	2	3	9.0	3	-	-
Hyperplasia of prostate (610)	12	3.8	12	-	-	1	2.2	1	-	-	2	6.0	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	8	1.0	5	3	-	2	2.1	1	1	-	2	3.2	2	-	-
Congenital malformations (750-759)	43	13.7	36	7	-	11	24.6	11	-	-	3	9.0	2	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	80	25.4	74	5	1	9	20.1	9	-	-	4	11.9	3	1	-
Infections of the newborn (763-768)	6	1.9	4	2	-	2	4.5	2	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	68	21.6	62	6	-	13	29.1	9	2	2	6	17.9	5	-	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	49	15.6	43	6	-	13	29.1	7	5	1	22	65.7	19	2	1
All other diseases (Residual)	195	62.0	179	16	-	39	87.2	33	6	-	28	83.6	26	-	2
Motor vehicle accidents (E810-E835)	78	24.8	75	2	1	10	22.4	8	1	1	13	38.8	12	-	1
All other accidents (E800-E802, E840-E962)	105	33.4	92	13	-	20	44.7	18	1	1	14	41.8	14	-	-
Suicide and self-inflicted injury (E963, E970-E979)	32	10.2	31	-	1	4	8.9	4	-	-	4	11.9	4	-	-
Homicide and operations of war (E964, E965, E980-E999)	22	7.0	12	10	-	4	8.9	4	-	-	3	9.0	3	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	OTTAWA					PAWNEE					PAYNE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	32,359		Wh.	Neg.	Ind.	13,897		Wh.	Neg.	Ind.	45,266		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	768	23.7	745	-	23	331	23.8	301	14	16	1178	26.0	1139	22	17
Physician in hospital	593	...	574	-	19	298	...	275	7	16	1120	...	1082	21	17
Physician in home	174	...	170	-	4	32	...	26	6	-	47	...	46	1	-
Midwife, other, or unknown	1	...	1	-	-	1	...	-	1	-	11	...	11	-	-
Stillbirths †	13	16.9	13	-	-	4	12.1	2	-	2	10	8.5	7	3	-
Physician in hospital	12	...	12	-	-	3	...	2	-	1	8	...	6	2	-
Physician in home	1	...	1	-	-	-	...	-	-	-	2	...	1	1	-
Midwife, other, or unknown	-	...	-	-	-	1	...	-	-	1	-	...	-	-	-
Total deaths, all causes*	362	11.2	354	-	8	141	10.1	136	-	5	321	7.1	302	14	5
Deaths under 1 year †	25	32.6	23	-	2	10	30.2	7	-	3	30	25.5	27	1	2
Deaths under 1 month †	16	20.8	14	-	2	8	24.2	6	-	2	22	18.7	21	1	-
Tuberculosis of respiratory system (001-008)	25	77.3	24	-	1	3	21.6	3	-	-	5	11.0	5	-	-
Tuberculosis, other forms (010-019)	1	3.1	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	6	18.5	6	-	-	-	-	-	-	-	1	2.2	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	7.2	1	-	-	2	4.4	2	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	3.1	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	3.1	1	-	-	-	-	-	-	-	1	2.2	1	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	1	2.2	1	-	-
Measles (085)	-	-	-	-	-	1	7.2	-	-	1	2	4.4	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)	1	3.1	1	-	-	-	-	-	-	-	1	2.2	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	43	132.9	42	-	1	16	115.1	16	-	-	40	88.4	39	1	-
Benign and unspecified neoplasms (210-239)	1	3.1	1	-	-	-	-	-	-	-	2	4.4	2	-	-
Diabetes mellitus (260)	6	18.5	6	-	-	1	7.2	1	-	-	9	19.9	9	-	-
Anemias (290-293)	3	9.3	3	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	25	77.3	24	-	1	12	86.3	12	-	-	42	92.8	38	3	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	2	4.4	2	-	-
Rheumatic fever (400-402)	2	6.2	2	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	4	12.4	4	-	-	-	-	-	-	-	5	11.0	5	-	-
Arteriosclerotic and degenerative heart disease (420-422)	65	200.9	64	-	1	43	309.4	43	-	-	56	123.7	54	1	1
Other diseases of heart (430-434)	9	27.8	8	-	1	5	36.0	5	-	-	3	6.6	3	-	-
Hypertension with heart disease (440-443)	18	55.6	18	-	-	5	36.0	5	-	-	13	28.7	13	-	-
Hypertension without mention of heart (444-447)	6	18.5	6	-	-	2	14.4	2	-	-	3	6.6	3	-	-
Influenza (480-483)	5	15.5	5	-	-	2	14.4	1	-	1	-	-	-	-	-
Pneumonia (490-493)	13	40.1	13	-	-	6	43.2	5	-	1	10	22.1	8	-	2
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	7.2	1	-	-	1	2.2	1	-	-
Appendicitis (550-553)	1	3.1	1	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	9.3	3	-	-	2	14.4	2	-	-	5	11.0	5	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	4	12.4	4	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	2	6.2	2	-	-	-	-	-	-	-	2	4.4	2	-	-
Nephritis and nephrosis (590-594)	13	40.2	13	-	-	3	21.6	3	-	-	14	30.9	13	-	1
Hyperplasia of prostate (610)	3	9.3	3	-	-	-	-	-	-	-	3	6.6	3	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	1	1.3	1	-	-	1	3.0	1	-	-	1	0.8	1	-	-
Congenital malformations (750-759)	3	9.3	3	-	-	-	-	-	-	-	4	8.8	3	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	9.3	2	-	1	4	28.8	3	-	1	9	19.9	9	-	-
Infections of the newborn (763-768)	1	1.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	9	27.8	8	-	1	4	28.8	3	-	1	11	24.3	11	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	10	30.9	10	-	-	2	14.4	2	-	-	10	22.1	8	2	-
All other diseases (Residual)	37	114.3	36	-	1	17	122.3	17	-	-	35	77.3	29	6	-
Motor vehicle accidents (E810-E835)	10	30.9	10	-	-	6	43.2	6	-	-	8	17.7	8	-	-
All other accidents (E800-E802, E840-E962)	20	61.8	20	-	-	4	28.8	4	-	-	18	39.8	18	-	-
Suicide and self-inflicted injury (E963, E970-E979)	6	18.5	6	-	-	-	-	-	-	-	2	4.4	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	3.1	1	-	-	-	-	-	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	PITTSBURG					PONTOTOC					POTTAWATOMIE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	41,753		Wh.	Neg.	Ind.	31,620		Wh.	Neg.	Ind.	44,842		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	879	21.1	776	64	39	702	22.2	656	21	25	893	19.9	832	24	37
Physician in hospital	668	...	612	26	30	608	...	579	11	18	833	...	782	17	34
Physician in home	153	...	132	14	7	94	...	77	10	7	52	...	50	1	1
Midwife, other, or unknown	58	...	32	24	2	-	...	-	-	-	8	...	-	6	2
Stillbirths †	15	17.1	10	4	1	14	19.9	13	1	-	16	17.9	15	-	1
Physician in hospital	7	...	6	-	1	9	...	9	-	-	16	...	15	-	1
Physician in home	7	...	3	4	-	5	...	4	1	-	-	...	-	-	-
Midwife, other, or unknown	1	...	1	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	348	8.3	308	32	8	285	9.0	268	10	7	412	9.2	388	18	6
Deaths under 1 year †	16	18.2	15	-	1	21	29.9	17	1	3	23	25.8	20	2	1
Deaths under 1 month †	10	11.4	10	-	-	17	24.2	15	1	1	18	20.2	16	1	1
Tuberculosis of respiratory system (001-008)	4	9.6	3	-	1	6	19.0	4	1	1	11	24.5	10	-	1
Tuberculosis, other forms (010-019)	1	2.4	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	2	6.3	2	-	-	2	4.5	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)	6	14.4	6	-	-	2	6.3	2	-	-	1	2.2	-	-	1
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	1	2.4	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	4.8	1	1	-	1	3.2	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	34	81.4	31	3	-	28	88.6	27	-	1	40	89.2	39	1	-
Benign and unspecified neoplasms (210-239)	1	2.4	1	-	-	1	3.2	1	-	-	1	2.2	1	-	-
Diabetes mellitus (260)	3	7.2	3	-	-	4	12.7	4	-	-	5	11.2	5	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	2	4.5	2	-	-
Vascular lesions affecting central nervous system (330-334)	39	93.4	34	4	1	42	132.8	41	1	-	65	145.0	61	4	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	2.4	1	-	-	1	3.2	1	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	2.4	1	-	-	6	19.0	6	-	-	8	17.8	6	2	-
Arteriosclerotic and degenerative heart disease (420-422)	74	177.2	67	7	-	76	240.4	74	2	-	90	200.7	89	1	-
Other diseases of heart (430-434)	16	38.3	15	1	-	2	6.3	2	-	-	6	13.4	5	1	-
Hypertension with heart disease (440-443)	20	47.9	20	-	-	4	12.7	4	-	-	31	69.1	31	-	-
Hypertension without mention of heart (444-447)	4	9.6	3	1	-	6	19.0	6	-	-	4	8.9	3	1	-
Influenza (480-483)	3	7.2	3	-	-	2	6.3	2	-	-	1	2.2	1	-	-
Pneumonia (490-493)	19	45.5	17	2	-	3	9.5	3	-	-	6	13.4	5	-	1
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	2.2	1	-	-
Ulcer of stomach and duodenum (540, 541)	2	4.8	2	-	-	1	3.2	1	-	-	1	2.2	1	-	-
Appendicitis (550-553)	1	2.4	1	-	-	3	9.5	3	-	-	1	2.2	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	2.4	-	1	-	2	6.3	2	-	-	5	11.2	5	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	4	9.6	3	-	1	4	12.7	3	-	1	3	6.7	2	1	-
Cirrhosis of liver (581)	2	4.8	2	-	-	1	3.2	1	-	-	4	8.9	3	-	1
Nephritis and nephrosis (590-594)	9	21.6	6	3	-	6	19.0	6	-	-	10	22.3	8	2	-
Hyperplasia of prostate (610)	1	2.4	-	1	-	5	15.8	5	-	-	4	8.9	4	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	-	-	-	-	-	2	2.2	1	-	1
Congenital malformations (750-759)	3	7.2	3	-	-	1	3.2	1	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	2.4	1	-	-	7	22.1	7	-	-	3	6.7	3	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	3.2	-	1	-	2	4.5	1	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	6	14.4	6	-	-	10	31.6	9	-	1	12	26.8	12	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	18	43.1	13	3	2	10	31.6	6	2	2	16	35.7	15	1	-
All other diseases (Residual)	25	59.9	22	3	-	26	82.2	23	2	1	41	91.4	39	2	-
Motor vehicle accidents (E810-E835)	11	26.3	10	1	-	8	25.3	8	-	-	10	22.3	10	-	-
All other accidents (E800-E802, E840-E962)	25	59.9	21	1	3	8	25.3	8	-	-	22	49.1	20	1	1
Suicide and self-inflicted injury (E963, E970-E979)	6	14.4	6	-	-	4	12.7	4	-	-	1	2.2	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	4	9.6	4	-	-	2	6.3	1	1	-	1	2.2	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	PUSHMATAHA					ROGER MILLS					ROGERS				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	12,712		Wh.	Neg.	Ind.	7,744		Wh.	Neg.	Ind.	19,759		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	262	20.6	230	7	25	167	21.6	162	-	5	380	19.2	350	10	20
Physician in hospital	84	...	66	-	18	136	...	131	-	5	311	...	289	2	20
Physician in home	171	...	162	3	6	31	...	31	-	-	62	...	56	6	-
Midwife, other, or unknown	7	...	2	4	1	-	...	-	-	-	7	...	5	2	-
Stillbirths †	9	34.4	9	-	-	2	12.0	2	-	-	11	28.9	10	1	-
Physician in hospital	5	...	5	-	-	1	...	1	-	-	9	...	8	1	-
Physician in home	3	...	3	-	-	1	...	1	-	-	2	...	2	-	-
Midwife, other, or unknown	1	...	1	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	89	7.0	82	4	3	55	7.1	54	-	1	201	10.2	188	5	8
Deaths under 1 year †	6	22.9	6	-	-	5	29.9	5	-	-	12	31.6	10	-	2
Deaths under 1 month †	4	15.3	4	-	-	4	24.0	4	-	-	9	23.7	8	-	1
Tuberculosis of respiratory system (001-008)	4	31.5	2	-	2	2	25.8	2	-	-	5	25.3	4	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	12.9	1	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	7.9	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	1	5.1	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	7.9	1	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	13	102.3	12	-	1	6	77.5	6	-	-	28	141.7	28	-	-
Benign and unspecified neoplasms (210-239)	1	7.9	1	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	-	-	-	-	-	1	12.9	1	-	-	6	30.4	5	-	1
Anemias (290-293)	-	-	-	-	-	2	25.8	2	-	-	3	15.2	3	-	-
Vascular lesions affecting central nervous system (330-334)	12	94.4	12	-	-	6	77.5	6	-	-	23	116.4	20	1	2
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	7.9	1	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	9	70.8	9	-	-	17	219.5	16	-	1	43	217.6	40	1	2
Other diseases of heart (430-434)	2	15.7	2	-	-	-	-	-	-	-	11	55.7	11	-	-
Hypertension with heart disease (440-443)	5	39.3	4	1	-	2	25.8	2	-	-	19	96.2	18	1	-
Hypertension without mention of heart (444-447)	1	7.9	1	-	-	-	-	-	-	-	2	10.1	2	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	2	10.1	2	-	-
Pneumonia (490-493)	1	7.9	1	-	-	1	12.9	1	-	-	6	30.4	5	-	1
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	2	10.1	2	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	2	15.7	2	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	4	31.5	3	1	-	-	-	-	-	-	1	5.1	-	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	2	7.6	1	1	-	-	-	-	-	-	1	2.6	1	-	-
Congenital malformations (750-759)	-	-	-	-	-	1	12.9	1	-	-	3	15.2	3	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.9	1	-	-	1	12.9	1	-	-	5	25.3	4	-	1
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	5	39.3	5	-	-	3	38.7	3	-	-	1	5.1	1	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	39.3	4	1	-	2	25.8	2	-	-	4	20.2	4	-	-
All other diseases (Residual)	9	70.8	9	-	-	6	77.5	6	-	-	21	106.3	21	-	-
Motor vehicle accidents (E810-E835)	2	15.7	2	-	-	1	12.9	1	-	-	1	5.1	1	-	-
All other accidents (E800-E802, E840-E962)	8	62.9	8	-	-	3	38.7	3	-	-	9	45.5	8	1	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	2	10.1	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	SEMINOLE					SEQUOYAH					STEPHENS				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	43,710		Wh.	Neg.	Ind.	19,843		Wh.	Neg.	Ind.	33,669		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	832	19.5	648	96	88	513	25.9	430	26	57	792	23.5	766	18	8
Physician in hospital	713	...	608	32	73	242	...	205	1	36	759	...	736	15	8
Physician in home	54	...	36	9	9	226	...	207	9	10	27	...	24	3	-
Midwife, other, or unknown	65	...	4	55	6	45	...	18	16	11	6	...	6	-	-
Stillbirths †	22	26.4	16	5	1	7	13.6	6	1	-	16	20.2	16	-	-
Physician in hospital	17	...	14	3	-	4	...	3	1	-	16	...	16	-	-
Physician in home	4	...	2	1	1	3	...	3	-	-	-	...	-	-	-
Midwife, other, or unknown	1	...	-	1	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	324	7.6	239	56	29	167	8.4	139	12	16	258	7.7	252	5	1
Deaths under 1 year †	39	46.9	28	7	4	15	29.2	14	-	1	18	22.7	17	1	-
Deaths under 1 month †	29	34.9	23	3	3	11	21.4	11	-	-	12	15.2	12	-	-
Tuberculosis of respiratory system (001-008)	6	14.0	2	1	3	9	45.4	6	-	3	4	11.9	3	1	-
Tuberculosis, other forms (010-019)	2	4.7	-	2	-	-	-	-	-	-	1	3.0	1	-	-
Syphilis and its sequelae (020-029)	5	11.7	2	1	2	1	5.0	-	1	-	1	3.0	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	2.3	-	-	1	1	5.0	-	-	1	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	5.0	1	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	2.3	1	-	-	1	5.0	1	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	4.7	2	-	-	1	5.0	1	-	-	5	14.9	5	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	2.3	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)	-	-	-	-	-	1	5.0	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	47	110.0	42	2	3	18	90.7	14	1	3	30	89.1	30	-	-
Benign and unspecified neoplasms (210-239)	1	2.3	-	1	-	2	10.1	1	-	1	-	-	-	-	-
Diabetes mellitus (260)	3	7.0	2	-	1	1	5.0	1	-	-	4	11.9	4	-	-
Anemias (290-293)	1	2.3	-	-	1	1	5.0	1	-	-	1	3.0	1	-	-
Vascular lesions affecting central nervous system (330-334)	27	63.2	21	6	-	18	90.7	16	2	-	30	89.1	29	1	-
Nonmeningococcal meningitis (340)	2	4.7	-	1	1	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	2.3	-	1	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	5	11.7	5	-	-	6	30.2	4	1	1	1	3.0	1	-	-
Arteriosclerotic and degenerative heart disease (420-422)	48	112.4	43	5	-	28	141.1	26	1	1	55	163.4	54	1	-
Other diseases of heart (430-434)	7	16.4	5	2	-	4	20.2	2	1	1	7	20.8	7	-	-
Hypertension with heart disease (440-443)	24	56.2	16	6	2	10	50.4	10	-	-	21	62.4	21	-	-
Hypertension without mention of heart (444-447)	10	23.4	7	1	2	1	5.0	1	-	-	4	11.9	4	-	-
Influenza (480-483)	2	4.7	1	1	-	-	-	-	-	-	1	3.0	1	-	-
Pneumonia (490-493)	11	25.8	8	1	2	7	35.3	6	-	1	10	29.7	9	1	-
Bronchitis (500-502)	-	-	-	-	-	1	5.0	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	2.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	1	5.0	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	7.0	3	-	-	-	-	-	-	-	4	11.9	3	1	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	4.7	-	2	-	1	5.0	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	2.3	1	-	-	1	5.0	1	-	-	1	3.0	1	-	-
Nephritis and nephrosis (590-594)	7	16.4	4	2	1	7	35.3	5	2	-	6	17.8	6	-	-
Hyperplasia of prostate (610)	2	4.7	1	1	-	-	-	-	-	-	2	5.9	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	2	2.4	1	1	-	-	-	-	-	-	2	2.5	1	-	1
Congenital malformations (750-759)	5	11.7	4	1	-	6	30.2	5	-	1	7	20.8	7	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	7	16.4	6	1	-	2	10.1	2	-	-	2	5.9	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	5.0	1	-	-	1	3.0	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	15	35.1	14	1	-	5	25.2	5	-	-	4	11.9	4	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	23	53.9	11	6	6	7	35.3	4	1	2	11	32.7	11	-	-
All other diseases (Residual)	23	53.9	16	7	-	8	40.3	7	1	-	20	59.4	20	-	-
Motor vehicle accidents (E810-E835)	8	18.7	6	-	2	8	40.3	6	1	1	12	35.6	12	-	-
All other accidents (E800-E802, E840-E962)	12	28.1	11	-	1	6	30.2	6	-	-	9	26.7	9	-	-
Suicide and self-inflicted injury (E963, E970-E979)	2	4.7	2	-	-	2	10.1	2	-	-	2	5.9	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	4	9.4	-	3	1	-	-	-	-	-	-	-	-	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	TEXAS					TILLMAN					TULSA				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	13,793		Wh.	Neg.	Ind.	18,760		Wh.	Neg.	Ind.	247,978		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	354	25.7	354	-	-	340	18.1	291	45	4	5793	23.4	5161	558	74
Physician in hospital	245	...	245	-	-	272	...	260	8	4	5316	...	4876	374	66
Physician in home	109	...	109	-	-	58	...	29	29	-	357	...	271	78	8
Midwife, other, or unknown	-	...	-	-	-	10	...	2	8	-	120	...	14	106	-
Stillbirths †	2	5.6	2	-	-	13	38.2	7	6	-	104	18.0	75	28	1
Physician in hospital	2	...	2	-	-	6	...	6	-	-	77	...	65	12	-
Physician in home	-	...	-	-	-	5	...	1	4	-	23	...	10	12	1
Midwife, other, or unknown	-	...	-	-	-	2	...	-	2	-	4	...	-	4	-
Total deaths, all causes*	86	6.2	86	-	-	185	9.9	160	25	-	2038	8.2	1789	229	20
Deaths under 1 year †	8	22.6	8	-	-	13	38.2	9	4	-	177	30.6	138	37	2
Deaths under 1 month †	6	16.9	6	-	-	9	26.5	6	3	-	131	22.6	113	17	1
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	5	26.7	4	1	-	65	26.2	48	13	4
Tuberculosis, other forms (010-019)	1	7.3	1	-	-	-	-	-	-	-	2	0.8	2	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	16	6.5	14	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	4	1.6	-	3	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	1	0.4	1	-	-
Diphtheria (055)	-	-	-	-	-	2	10.7	2	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	7.3	1	-	-	3	16.0	3	-	-	6	2.4	6	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	7.3	1	-	-	-	-	-	-	-	2	0.8	2	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	1	0.4	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	10.7	-	2	-	11	4.4	11	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	9	65.3	9	-	-	25	133.3	22	3	-	281	113.3	262	17	2
Benign and unspecified neoplasms (210-239)	1	7.3	1	-	-	1	5.3	1	-	-	15	6.0	12	3	-
Diabetes mellitus (260)	2	14.5	2	-	-	3	16.0	3	-	-	22	8.9	21	1	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	2	0.8	2	-	-
Vascular lesions affecting central nervous system (330-334)	9	65.3	9	-	-	16	85.3	15	1	-	219	88.3	192	24	3
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	6	2.4	6	-	-
Rheumatic fever (400-402)	-	-	-	-	-	1	5.3	1	-	-	3	1.2	3	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	23	9.3	22	1	-
Arteriosclerotic and degenerative heart disease (420-422)	16	116.0	16	-	-	45	239.9	42	3	-	445	179.5	417	24	4
Other diseases of heart (430-434)	6	43.5	6	-	-	6	32.0	4	2	-	36	14.5	30	5	1
Hypertension with heart disease (440-443)	4	29.0	4	-	-	9	48.0	9	-	-	94	37.9	80	14	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	4	21.3	3	1	-	23	9.3	20	2	1
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	10	4.0	8	2	-
Pneumonia (490-493)	2	14.5	2	-	-	8	42.6	5	3	-	57	23.0	38	19	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	3	1.2	2	1	-
Ulcer of stomach and duodenum (540, 541)	1	7.3	1	-	-	-	-	-	-	-	13	5.2	11	2	-
Appendicitis (550-553)	2	14.5	2	-	-	-	-	-	-	-	4	1.6	3	1	-
Intestinal obstruction and hernia (560, 561, 570)	1	7.3	1	-	-	2	10.7	2	-	-	17	6.9	15	2	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	5.3	1	-	-	18	7.3	14	4	-
Cirrhosis of liver (581)	1	7.3	1	-	-	-	-	-	-	-	13	5.2	13	-	-
Nephritis and nephrosis (590-594)	1	7.3	1	-	-	5	26.7	5	-	-	52	21.0	28	24	-
Hyperplasia of prostate (610)	1	7.3	1	-	-	-	-	-	-	-	7	2.8	6	1	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	2	5.6	2	-	-	-	-	-	-	-	4	0.7	4	-	-
Congenital malformations (750-759)	3	21.8	3	-	-	2	10.7	2	-	-	29	11.7	26	3	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.3	1	-	-	4	21.3	3	1	-	36	14.5	30	6	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	6	2.4	4	2	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	14.5	2	-	-	6	32.0	5	1	-	68	27.4	61	6	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	21.8	3	-	-	2	10.7	1	1	-	67	27.0	54	12	1
All other diseases (Residual)	6	43.5	6	-	-	15	80.0	11	4	-	166	66.9	154	11	1
Motor vehicle accidents (E810-E835)	1	7.3	1	-	-	8	42.6	7	1	-	66	26.6	58	8	-
All other accidents (E800-E802, E840-E962)	9	65.3	9	-	-	7	37.3	7	-	-	90	36.3	79	10	1
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	19	7.7	19	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	3	16.0	2	1	-	16	6.5	10	6	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	WAGONER					WASHINGTON					WASHITA				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1949	17,228		Wh.	Neg.	Ind.	32,687		Wh.	Neg.	Ind.	18,047		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	404	23.5	320	74	10	757	23.2	709	38	10	350	19.4	335	6	9
Physician in hospital	157	...	149	1	7	725	...	682	34	9	336	...	322	6	8
Physician in home	210	...	165	42	3	31	...	26	4	1	10	...	9	-	1
Midwife, other, or unknown	37	...	6	31	-	1	...	1	-	-	4	...	4	-	-
Stillbirths †	9	22.3	1	8	-	9	11.9	9	-	-	9	25.7	9	-	-
Physician in hospital	3	...	-	3	-	8	...	8	-	-	8	...	8	-	-
Physician in home	5	...	1	4	-	1	...	1	-	-	-	...	-	-	-
Midwife, other, or unknown	1	...	-	1	-	-	...	-	-	-	1	...	1	-	-
Total deaths, all causes*	123	7.1	81	39	3	282	8.6	247	25	10	121	6.7	120	-	1
Deaths under 1 year †	9	22.3	4	4	1	18	23.8	14	4	-	8	22.9	7	-	1
Deaths under 1 month †.	4	9.9	2	2	-	10	13.2	9	1	-	6	17.1	5	-	1
Tuberculosis of respiratory system (001-008)	5	29.0	1	4	-	6	18.4	4	2	-	1	5.5	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	5.5	1	-	-
Syphilis and its sequelae (020-029)	3	17.4	1	2	-	-	-	-	-	-	2	11.1	2	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	5.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	5.8	-	1	-	-	-	-	-	-	1	5.5	1	-	-
Acute poliomyelitis (080)	-	-	-	-	-	4	12.2	4	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	5.8	-	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)	1	5.8	1	-	-	2	6.1	1	1	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	13	75.5	12	-	1	37	113.2	35	-	2	16	88.7	16	-	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	2	6.1	2	-	-	1	5.5	1	-	-
Diabetes mellitus (260)	1	5.8	1	-	-	4	12.2	3	-	1	3	16.6	3	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	14	81.3	9	5	-	32	97.9	26	6	-	10	55.4	10	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	1	3.1	-	-	1	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	11.6	2	-	-	3	9.2	3	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	18	104.5	13	4	1	66	201.9	59	4	3	29	160.7	29	-	-
Other diseases of heart (430-434)	4	23.2	4	-	-	8	24.5	7	-	1	1	5.5	1	-	-
Hypertension with heart disease (440-443)	8	46.4	4	4	-	18	55.1	15	2	1	6	33.2	6	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	4	12.2	4	-	-	-	-	-	-	-
Influenza (480-483)	1	5.8	1	-	-	2	6.1	2	-	-	-	-	-	-	-
Pneumonia (490-493)	3	17.4	1	1	1	9	27.5	9	-	-	9	49.9	9	-	-
Bronchitis (500-502)	-	-	-	-	-	2	6.1	2	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	2	11.6	-	2	-	1	3.1	1	-	-	-	-	-	-	-
Appendicitis (550-553)	1	5.8	-	1	-	-	-	-	-	-	1	5.5	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	11.6	2	-	-	2	6.1	2	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	3.1	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	5.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	5	29.0	3	2	-	7	21.4	7	-	-	3	16.6	3	-	-
Hyperplasia of prostate (610)	1	5.8	1	-	-	2	6.1	2	-	-	2	11.1	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	1	2.5	-	1	-	1	1.3	1	-	-	2	5.7	2	-	-
Congenital malformations (750-759)	1	5.8	1	-	-	1	3.1	1	-	-	2	11.1	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	5.8	-	1	-	4	12.2	3	1	-	2	11.1	1	-	1
Infections of the newborn (763-768)	1	5.8	-	1	-	1	3.1	1	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	17.4	2	1	-	5	15.3	4	1	-	2	11.1	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	1	5.8	1	-	-	4	12.2	3	1	-	-	-	-	-	-
All other diseases (Residual)	8	46.4	5	3	-	26	79.5	26	-	-	11	61.0	11	-	-
Motor vehicle accidents (E810-E835)	5	29.0	5	-	-	7	21.4	7	-	-	-	-	-	-	-
All other accidents (E800-E802, E840-E962)	12	69.7	8	4	-	16	48.9	11	5	-	10	55.4	10	-	-
Suicide and self-inflicted injury (E963, E970-E979)	2	11.6	1	1	-	1	3.1	1	-	-	5	27.7	5	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	3	9.2	-	2	1	1	5.5	1	-	-

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

	WOODS					WOODWARD				
	Total		Race			Total		Race		
Estimated population, July 1, 1949	14,193		Wh.	Neg.	Ind.	14,557		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	357	25.2	355	1	1	300	20.6	299	-	1
Physician in hospital	352	...	350	1	1	287	...	286	-	1
Physician in home	4	...	4	-	-	12	...	12	-	-
Midwife, other, or unknown	1	...	1	-	-	1	...	1	-	-
Stillbirths †	8	22.4	8	-	-	4	13.3	4	-	-
Physician in hospital	8	...	8	-	-	4	...	4	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	121	8.5	121	-	-	119	8.2	119	-	-
Deaths under 1 year †	8	22.4	8	-	-	9	30.0	9	-	-
Deaths under 1 month †.	4	11.2	4	-	-	8	26.7	8	-	-
Tuberculosis of respiratory system (001-008)	1	7.0	1	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-
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)	3	21.1	3	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	7.0	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)	13	91.6	13	-	-	22	151.1	22	-	-
Benign and unspecified neoplasms (210-239)	1	7.0	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	2	14.1	2	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	14	98.6	14	-	-	16	109.9	16	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	1	6.9	1	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	2	13.7	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	36	253.6	36	-	-	26	178.6	26	-	-
Other diseases of heart (430-434)	3	21.1	3	-	-	5	34.3	5	-	-
Hypertension with heart disease (440-443)	5	35.2	5	-	-	7	48.1	7	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	2	14.1	2	-	-	-	-	-	-	-
Bronchitis (500-502)	-	-	-	-	-	1	6.9	1	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	1	7.0	1	-	-	1	6.9	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	7.0	1	-	-	2	13.7	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	14.1	2	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	1	6.9	1	-	-
Nephritis and nephrosis (590-594)	2	14.1	2	-	-	2	13.7	2	-	-
Hyperplasia of prostate (610)	1	7.0	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	-	-	-	-	-	1	3.3	1	-	-
Congenital malformations (750-759)	1	7.0	1	-	-	2	13.7	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.0	1	-	-	2	13.7	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	21.1	3	-	-	5	34.3	5	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	14.1	2	-	-	4	27.5	4	-	-
All other diseases (Residual)	17	119.8	17	-	-	6	41.2	6	-	-
Motor vehicle accidents (E810-E835)	4	28.2	4	-	-	3	20.6	3	-	-
All other accidents (E800-E802, E840-E962)	4	28.2	4	-	-	9	61.8	9	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	7.0	1	-	-	1	3.3	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE
OKLAHOMA CITY AND TULSA, 1949

	OKLAHOMA CITY					TULSA				
	Total		Race			Total		Race		
Estimated population, July 1, 1949	238,871		Wh.	Neg.	Ind.	178,950		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	5,260	22.0	4,554	644	62	4,368	24.4	3,832	486	50
Physician in hospital	5,148	...	4,483	607	58	4,158	...	3,763	345	50
Physician in home	95	...	57	35	3	128	...	65	63	-
Midwife, other, or unknown	17	...	14	2	1	82	...	4	78	-
Stillbirths †	88	16.7	72	15	1	77	17.6	54	23	-
Physician in hospital	81	...	66	14	1	60	...	51	9	-
Physician in home	3	...	2	1	-	15	...	3	12	-
Midwife, other, or unknown	4	...	4	-	-	2	...	-	2	-
Total deaths, all causes*	1,839	7.7	1,669	163	7	1,543	8.6	1,340	194	9
Deaths under 1 year †	170	32.3	144	24	2	138	31.6	104	33	1
Deaths under 1 month †	130	24.7	112	17	1	100	22.9	85	15	-
Tuberculosis of respiratory system (001-008)	41	17.1	30	11	-	52	29.1	38	12	2
Tuberculosis, other forms (010-019)	1	0.4	1	-	-	2	1.1	2	-	-
Syphilis and its sequelae (020-029)	21	8.8	19	2	-	14	7.8	12	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	3	1.7	-	2	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	0.6	1	-	-
Diphtheria (055)	1	0.4	-	1	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	9	3.8	9	-	-	5	2.8	5	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	0.6	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)	4	1.7	3	1	-	5	2.8	5	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	277	116.0	255	21	1	212	118.5	199	13	-
Benign and unspecified neoplasms (210-239)	12	5.0	10	2	-	12	6.7	9	3	-
Diabetes mellitus (260)	29	12.1	28	1	-	18	10.1	17	1	-
Anemias (290-293)	2	0.8	1	-	1	1	0.6	1	-	-
Vascular lesions affecting central nervous system (330-334)	176	73.7	166	10	-	161	90.0	141	18	2
Nonmeningococcal meningitis (340)	2	0.8	2	-	-	6	3.4	6	-	-
Rheumatic fever (400-402)	2	0.8	2	-	-	1	0.6	1	-	-
Chronic rheumatic heart disease (410-416)	21	8.8	19	2	-	18	10.1	18	-	-
Arteriosclerotic and degenerative heart disease (420-422)	410	171.6	398	11	1	352	196.7	329	21	2
Other diseases of heart (430-434)	80	33.5	64	16	-	27	15.1	23	3	1
Hypertension with heart disease (440-443)	85	35.6	75	10	-	69	38.6	58	11	-
Hypertension without mention of heart (444-447)	23	9.6	20	3	-	17	9.5	15	1	1
Influenza (480-483)	5	2.1	4	1	-	6	3.4	4	2	-
Pneumonia (490-493)	43	18.0	39	4	-	42	23.5	24	18	-
Bronchitis (500-502)	5	2.1	5	-	-	3	1.7	2	1	-
Ulcer of stomach and duodenum (540, 541)	11	4.6	10	-	1	9	5.0	7	2	-
Appendicitis (550-553)	5	2.1	4	1	-	4	2.2	3	1	-
Intestinal obstruction and hernia (560, 561, 570)	16	6.7	15	1	-	10	5.6	8	2	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	13	5.4	11	2	-	15	8.4	11	4	-
Cirrhosis of liver (581)	12	5.0	12	-	-	10	5.6	10	-	-
Nephritis and nephrosis (590-594)	28	11.7	14	14	-	43	24.0	21	22	-
Hyperplasia of prostate (610)	9	3.8	9	-	-	5	2.8	4	1	-
Complications of pregnancy, childbirth and the puerperium (640-652, 670-689) †	6	1.1	4	2	-	4	0.0	4	-	-
Congenital malformations (750-759)	32	13.4	26	6	-	25	14.0	22	3	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	54	22.6	48	5	1	29	16.2	24	5	-
Infections of the newborn (763-768)	6	2.5	4	2	-	5	2.8	4	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	48	20.1	43	5	-	51	28.5	45	6	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	31	13.0	28	3	-	54	30.2	46	8	-
All other diseases (Residual)	153	64.1	141	12	-	126	70.4	118	8	-
Motor vehicle accidents (E810-E835)	53	22.2	51	1	1	42	23.5	34	8	-
All other accidents (E800-E802, E840-E962)	77	32.2	70	7	-	60	33.5	51	9	-
Suicide and self-inflicted injury (E963, E970-E979)	21	8.8	20	-	1	12	6.7	12	-	-
Homicide and operations of war (E964, E965, E980-E999)	15	6.3	9	6	-	11	6.1	5	6	-

TABLE VI. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,* FOR CITIES HAVING A POPULATION OF 2,500 OR MORE,** OKLAHOMA, 1949

	Ada		Altus		Alva		Anadarko		Antlers		Ardmore		Atoka		Bartlesville	
Estimated population	15,935		9,548		6,495		6,164		2,502		17,831		2,650		19,262	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	390	24.5	226	23.7	155	23.9	144	23.4	62	24.8	365	20.5	84	31.7	468	24.3
Stillbirths	9	23.1	8	35.4	5	32.3	2	13.9	-	-	9	24.7	-	-	4	8.5
Deaths all causes	144	9.0	103	10.8	64	9.9	81	13.1	31	12.4	219	12.3	44	16.6	167	8.7
Infant deaths	11	28.2	14	61.9	4	25.8	4	27.8	1	16.1	12	32.9	6	71.4	13	27.8
Neonatal deaths	11	28.2	9	39.8	2	12.9	4	27.8	1	16.1	6	16.4	3	35.7	9	19.2
Maternal deaths	-	-	1	4.4	-	-	1	6.9	2	32.3	-	-	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	41	257.3	22	230.4	22	338.7	35	567.8	6	239.8	69	387.0	11	415.1	60	311.5
Malignant neoplasms (140-205)	13	81.6	17	178.0	10	154.0	7	113.6	3	119.9	32	179.5	3	113.2	17	88.3
Vascular lesions affecting central nervous system (330-334)	22	138.1	15	157.1	7	107.8	10	162.2	5	199.8	35	196.3	5	188.7	18	93.4
Accidents (E800-E962)	7	43.9	5	52.4	6	92.4	3	48.7	4	159.9	10	56.1	3	113.2	11	57.1
Congenital malformations and certain diseases of early infancy (750-776)	12	75.3	8	83.8	2	30.8	4	64.9	1	40.0	6	33.6	3	113.2	10	51.9
Pneumonia (490-493)	2	12.5	3	31.4	1	15.4	2	32.4	1	40.0	7	39.3	3	113.2	3	15.6
Tuberculosis (001-009)	4	25.1	3	31.4	-	-	1	16.2	1	40.0	6	33.6	3	113.2	4	20.8
Nephritis and nephrosis (590-594)	3	18.8	-	-	1	15.4	-	-	1	40.0	5	28.0	2	75.5	5	26.0

	Bethany		Blackwell		Bristow		Chandler		Cherokee		Chickasha		Claremore		Cleveland	
Estimated population	5,690		9,218		5,404		2,709		2,626		15,753		5,530		2,452	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	156	27.4	205	22.2	94	17.4	50	18.5	58	22.1	368	23.4	126	22.8	54	22.0
Stillbirths	3	19.2	8	39.0	6	63.8	1	20.0	-	-	4	10.9	4	31.7	-	-
Deaths all causes	22	3.9	111	12.0	62	11.5	35	12.9	36	13.7	173	11.0	81	14.6	39	15.9
Infant deaths	1	6.4	9	43.9	2	21.3	-	-	1	17.2	19	51.6	5	39.7	2	37.1
Neonatal deaths	1	6.4	7	34.1	1	10.6	-	-	-	-	11	29.9	5	39.7	2	37.1
Maternal deaths	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	10	175.7	38	412.2	19	351.6	13	479.9	13	495.0	45	285.7	37	669.1	9	367.0
Malignant neoplasms (140-205)	5	87.9	14	151.9	4	74.0	6	221.5	4	152.3	29	184.1	7	126.6	7	285.5
Vascular lesions affecting central nervous system (330-334)	1	17.6	16	173.6	10	185.0	5	184.6	3	114.2	23	146.0	6	108.5	4	163.1
Accidents (E800-E962)	2	35.1	5	54.2	1	18.5	2	73.8	4	152.3	11	69.8	6	108.5	5	203.9
Congenital malformations and certain diseases of early infancy (750-776)	1	17.6	7	75.9	1	18.5	-	-	1	38.1	16	101.6	5	90.4	2	81.6
Pneumonia (490-493)	-	-	2	21.7	4	74.0	-	-	-	-	13	82.5	-	-	2	81.6
Tuberculosis (001-009)	-	-	-	-	4	74.0	-	-	-	-	1	6.3	2	36.2	1	40.8
Nephritis and nephrosis (590-594)	-	-	5	54.2	5	92.5	-	-	-	-	2	12.7	1	18.1	1	40.8

	Clinton		Cordell		Cushing		Drumright		Duncan		Durant		Edmond		Elk City	
Estimated population	7,545		2,878		8,396		5,015		15,260		10,521		6,055		7,953	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	153	20.3	62	21.5	201	23.9	98	19.5	395	25.9	240	22.8	170	28.1	145	18.2
Stillbirths	4	26.1	2	32.3	1	5.0	-	-	11	27.8	9	37.5	1	5.9	4	27.6
Deaths all causes	81	10.7	34	11.8	85	10.1	44	8.8	109	7.1	110	10.5	52	8.6	56	7.0
Infant deaths	8	52.3	2	32.3	7	34.8	2	20.4	12	30.4	12	50.0	3	17.6	2	13.8
Neonatal deaths	7	45.8	1	16.1	6	29.9	1	10.2	8	20.3	11	45.8	2	11.8	1	6.9
Maternal deaths	-	-	1	16.1	-	-	-	-	1	2.5	-	-	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	27	357.9	10	347.5	22	262.0	17	339.0	28	183.5	40	380.2	20	330.3	19	238.9
Malignant neoplasms (140-205)	12	159.0	3	104.2	9	107.2	6	119.6	12	78.6	11	104.6	7	115.6	7	88.0
Vascular lesions affecting central nervous system (330-334)	7	92.8	2	69.5	13	154.8	3	59.8	20	131.1	8	76.0	11	181.7	9	113.2
Accidents (E800-E962)	3	39.8	5	173.7	5	59.6	2	39.9	8	52.4	5	47.5	-	-	4	50.3
Congenital malformations and certain diseases of early infancy (750-776)	7	92.8	1	34.7	6	71.5	1	19.9	10	65.5	9	85.5	2	33.0	1	12.6
Pneumonia (490-493)	-	-	5	173.7	2	23.8	2	39.9	2	13.1	1	9.5	2	33.0	2	25.1
Tuberculosis (001-009)	-	-	1	34.7	1	11.9	1	19.9	3	19.7	1	9.5	-	-	2	25.1
Nephritis and nephrosis (590-594)	1	13.3	1	34.7	5	59.6	1	19.9	1	6.6	7	66.5	-	-	4	50.3

* See notes on Table I.

** Cities having a population of 2,500 or over in the 1950 census except data for Broken Arrow, Checotah, Dewey, Healdton, Lindsay, Nichols Hills, and Walters were not tabulated separately before the 1950 census was made.

TABLE VI. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,* FOR CITIES HAVING A POPULATION OF 2,500 OR MORE,** OKLAHOMA, 1949
(Continued)

Estimated population	El Reno		Enid		Frederick		Guthrie		Hartshorne		Henryetta		Hobart		Holdenville	
	10,971		35,976		5,449		10,019		2,327		8,010		5,366		6,191	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	243	22.1	948	26.4	115	21.1	218	21.8	52	22.3	181	22.6	133	24.8	130	21.0
Stillbirths	6	24.7	16	16.9	3	26.1	2	9.2	2	38.5	10	55.2	3	22.6	2	15.4
Deaths all causes	136	12.4	322	9.0	66	12.1	153	15.3	22	9.5	96	12.0	69	12.9	82	13.2
Infant deaths	15	61.7	25	26.4	4	34.8	6	27.5	-	-	14	77.3	4	30.1	3	23.1
Neonatal deaths	12	49.4	22	23.2	3	26.1	4	18.3	-	-	12	66.3	2	15.0	1	7.7
Maternal deaths	-	-	2	2.1	-	-	1	4.6	-	-	1	5.5	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	41	373.7	108	300.2	26	477.2	59	588.9	5	214.9	23	287.1	27	503.2	29	468.4
Malignant neoplasms (140-205)	21	191.4	48	133.4	6	110.1	24	239.5	5	214.9	19	237.2	7	130.5	12	193.8
Vascular lesions affecting central nervous system (330-334)	18	164.1	47	130.6	2	36.7	16	159.7	2	85.9	9	112.4	6	111.8	12	193.8
Accidents (E800-E962)	9	82.0	20	55.6	8	146.8	16	159.7	-	-	8	99.9	2	37.3	1	16.2
Congenital malformations and certain diseases of early infancy (750-776)	12	109.4	25	69.5	4	73.4	4	39.9	-	-	11	137.3	2	37.3	2	32.3
Pneumonia (490-493)	3	27.3	3	8.3	2	36.7	3	29.9	2	85.9	5	62.4	3	55.9	2	32.3
Tuberculosis (001-009)	1	9.1	5	13.9	3	55.1	2	20.0	-	-	-	-	-	-	1	16.2
Nephritis and nephrosis (590-594)	-	-	11	30.6	1	18.4	4	39.9	-	-	1	12.5	3	55.9	-	-

Estimated population	Hollis		Hominy		Hugo		Idabel		Kingfisher		Lawton		McAlester		Madill	
	3,088		2,703		5,950		4,621		3,350		34,527		17,809		2,782	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	75	24.3	71	26.3	147	24.7	95	20.6	64	19.1	861	24.9	391	22.0	61	21.9
Stillbirths	2	26.7	2	28.2	7	47.6	-	-	2	31.2	16	18.6	5	12.8	-	-
Deaths all causes	31	10.0	44	16.3	70	11.8	59	12.8	34	10.1	198	5.7	135	7.6	36	12.9
Infant deaths	5	66.7	4	56.3	1	6.8	5	52.6	4	62.5	30	34.8	6	15.3	3	49.2
Neonatal deaths	5	66.7	4	56.3	1	6.8	4	42.1	2	31.2	21	24.4	4	10.2	3	49.2
Maternal deaths	-	-	-	-	-	-	1	10.5	-	-	1	1.2	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	9	291.5	16	591.9	29	487.4	17	367.9	14	417.9	63	182.5	53	297.6	10	359.5
Malignant neoplasms (140-205)	2	64.8	4	148.0	10	168.1	8	173.1	5	149.3	23	66.6	10	56.2	4	143.8
Vascular lesions affecting central nervous system (330-334)	6	194.3	2	74.0	8	134.5	10	216.4	4	119.4	20	57.9	14	78.6	3	107.8
Accidents (E800-E962)	2	64.8	5	185.0	6	100.8	-	-	-	-	7	20.3	14	78.6	3	107.8
Congenital malformations and certain diseases of early infancy (750-776)	5	161.9	2	74.0	1	16.8	4	86.6	3	89.6	22	63.7	4	22.5	3	107.8
Pneumonia (490-493)	-	-	1	37.0	-	-	-	-	3	89.6	5	14.5	7	39.3	2	71.9
Tuberculosis (001-009)	-	-	2	74.0	1	16.8	2	43.3	-	-	4	11.6	3	16.8	-	-
Nephritis and nephrosis (590-594)	-	-	-	-	3	50.4	-	-	-	-	3	8.7	3	16.8	3	107.8

Estimated population	Mangum		Marlow		Miami		Muskogee		Norman		Nowata		Okemah		Okmulgee	
	4,257		3,388		11,703		37,255		26,972		3,972		3,450		18,298	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	75	17.6	75	22.1	297	25.4	834	22.4	718	26.6	87	21.9	78	22.6	337	18.4
Stillbirths	1	13.3	1	13.3	6	20.2	17	20.4	11	15.3	1	11.5	-	-	6	17.8
Deaths all causes	45	10.6	38	11.2	117	10.0	421	11.3	111	4.1	72	18.1	51	14.8	189	10.3
Infant deaths	4	53.3	1	13.3	4	13.5	22	26.4	13	18.1	5	57.5	3	38.5	18	53.4
Neonatal deaths	3	40.0	-	-	4	13.5	13	15.6	12	16.7	3	34.5	3	38.5	15	44.5
Maternal deaths	-	-	-	-	-	-	-	-	1	1.4	1	11.5	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	20	469.8	18	531.3	28	239.3	130	348.9	27	100.1	24	604.2	22	637.7	41	224.0
Malignant neoplasms (140-205)	5	117.5	3	88.5	18	153.8	55	147.6	13	48.2	6	151.1	-	-	33	180.3
Vascular lesions affecting central nervous system (330-334)	-	-	-	-	12	102.5	59	158.4	16	59.3	12	302.1	6	173.9	30	164.0
Accidents (E800-E962)	-	-	2	59.0	8	68.4	28	75.2	13	48.2	5	125.9	6	173.9	9	49.2
Congenital malformations and certain diseases of early infancy (750-776)	4	94.0	-	-	4	34.2	12	32.2	12	44.5	4	100.7	3	87.0	15	82.0
Pneumonia (490-493)	-	-	4	118.1	3	25.6	6	16.1	2	7.4	1	25.2	1	29.0	4	21.9
Tuberculosis (001-009)	1	23.5	-	-	7	59.8	25	67.1	2	7.4	2	50.4	-	-	7	38.3
Nephritis and nephrosis (590-594)	-	-	2	59.0	3	25.6	9	24.2	1	3.7	2	50.4	2	58.0	6	33.0

TABLE VI. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,* FOR CITIES HAVING A POPULATION OF 2,500 OR MORE,** OKLAHOMA, 1949
(Continued)

Estimated population	Bauls Valley		Pawhuska		Pawnee		Perry		Picher		Ponca City		Poteau		Pryor	
	6,867		5,307		2,778		5,155		3,923		20,185		4,778		4,441	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	166	24.2	121	22.8	66	23.8	108	21.0	110	28.0	510	25.3	117	24.5	83	18.7
Stillbirths	4	24.1	1	8.3	2	30.3	1	9.3	-	-	7	13.7	5	42.7	2	24.1
Deaths all causes	57	8.3	66	12.4	29	10.4	56	10.9	61	15.5	156	7.7	52	10.9	44	9.9
Infant deaths	5	30.1	3	24.8	3	45.5	5	46.3	6	54.5	7	13.7	7	59.8	-	-
Neonatal deaths	2	12.0	3	24.8	2	30.3	5	46.3	2	18.2	5	9.8	3	25.6	-	-
Maternal deaths	-	-	-	-	1	15.2	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	22	320.4	22	414.5	11	396.0	14	271.6	15	382.4	53	262.6	11	230.2	21	472.9
Malignant neoplasms (140-205)	8	116.5	7	131.9	4	144.0	5	97.0	6	152.9	24	118.9	5	104.6	8	180.1
Vascular lesions affecting central nervous system (330-334)	4	58.2	6	113.1	3	108.0	6	116.4	2	51.0	12	59.5	3	62.8	7	157.6
Accidents (E800-E962)	5	72.8	6	113.1	-	-	6	116.4	5	127.5	10	49.5	5	104.6	-	-
Congenital malformations and certain diseases of early infancy (750-776)	-	-	3	56.5	2	72.0	5	97.0	2	51.0	4	19.8	4	83.7	-	-
Pneumonia (490-493)	2	29.1	3	56.5	1	36.0	-	-	-	-	2	9.9	-	-	-	-
Tuberculosis (001-009)	1	14.6	3	56.5	1	36.0	1	19.4	14	356.9	2	9.9	2	41.9	1	22.5
Nephritis and nephrosis (590-594)	2	29.1	-	-	-	-	1	19.4	-	-	7	34.7	3	62.8	-	-

Estimated population	Purcell		Sand Springs		Sapulpa		Sayre		Seminole		Shawnee		Stillwater		Sulphur	
	3,527		6,982		13,018		3,356		11,853		24,457		20,155		4,373	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	72	20.4	203	29.1	319	24.5	62	18.5	228	19.2	531	21.7	684	33.9	97	22.2
Stillbirths	-	-	10	49.3	4	12.5	1	16.1	3	13.2	8	15.1	4	5.8	1	10.3
Deaths all causes	32	9.1	67	9.6	152	11.7	40	11.9	68	5.7	239	9.8	118	5.9	64	14.6
Infant deaths	2	27.8	3	14.8	13	40.8	5	80.6	11	48.2	17	32.0	14	20.5	3	30.9
Neonatal deaths	1	13.9	3	14.8	8	25.1	3	48.4	9	39.5	13	24.5	12	17.5	1	10.3
Maternal deaths	-	-	-	-	-	-	-	-	1	4.4	1	1.9	-	-	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	13	368.6	19	272.1	42	322.6	12	357.6	18	151.9	78	318.9	30	148.8	30	686.0
Malignant neoplasms (140-205)	7	198.5	11	157.5	18	138.3	9	268.2	8	67.5	23	94.0	14	69.5	4	91.5
Vascular lesions affecting central nervous system (330-334)	2	56.7	6	85.9	20	153.6	5	149.0	6	50.6	37	151.3	15	74.4	6	137.2
Accidents (E800-E962)	2	56.7	7	100.3	18	138.3	2	59.6	6	50.6	17	69.5	10	49.6	1	22.9
Congenital malformations and certain diseases of early infancy (750-776)	2	56.7	3	43.0	10	76.8	3	89.4	8	67.5	13	53.2	13	64.5	1	22.9
Pneumonia (490-493)	-	-	2	28.6	6	46.1	-	-	2	16.9	3	12.3	2	9.9	2	45.7
Tuberculosis (001-009)	-	-	2	28.6	4	30.7	-	-	-	-	5	20.4	3	14.9	1	22.9
Nephritis and nephrosis (590-594)	-	-	-	-	4	30.7	-	-	1	8.4	5	20.4	5	24.8	1	22.9

	Tahlequah		Tonkawa		Vinita		Wagoner		Watonga		Weatherford		Wewoka		Woodward	
	4,729		3,626		5,501		4,400		3,233		3,514		6,753		5,896	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births	117	24.7	78	21.5	132	24.0	120	27.3	94	29.1	92	26.2	150	22.2	169	28.7
Stillbirths	-	-	-	-	6	45.5	-	-	2	21.3	-	-	4	26.7	1	5.9
Deaths all causes	37	7.8	50	13.8	98	17.8	47	10.7	38	11.8	40	11.4	51	7.6	69	11.7
Infant deaths	1	8.5	1	12.8	8	60.6	2	16.7	6	63.8	4	43.5	7	46.7	6	35.5
Neonatal deaths	1	8.5	1	12.8	7	53.0	1	8.3	2	21.3	3	32.6	5	33.3	5	29.6
Maternal deaths	-	-	-	-	1	7.6	-	-	-	-	-	-	1	6.7	-	-
Deaths from leading causes:																
Diseases of the heart (410-443)	7	148.0	19	524.0	36	654.4	15	340.9	10	309.3	12	341.5	10	148.1	24	407.1
Malignant neoplasms (140-205)	13	274.9	6	165.5	14	254.5	6	136.4	5	154.7	4	113.8	8	118.5	14	237.4
Vascular lesions affecting central nervous system (330-334)	5	105.7	9	248.2	10	181.8	9	204.5	2	61.9	5	142.3	5	74.0	10	169.6
Accidents (E800-E962)	2	42.3	2	55.2	4	72.7	2	45.5	3	92.8	3	85.4	-	-	8	135.7
Congenital malformations and certain diseases of early infancy (750-776)	1	21.1	-	-	7	127.2	1	22.7	2	61.9	4	113.8	5	74.0	6	101.8
Pneumonia (490-493)	-	-	-	-	1	18.2	-	-	1	30.9	2	56.9	2	29.6	-	-
Tuberculosis (001-009)	2	42.3	1	27.6	-	-	2	45.5	-	-	-	-	1	14.8	-	-
Nephritis and nephrosis (590-594)	-	-	3	82.7	1	18.2	-	-	-	-	-	-	-	-	-	-