PUBLIC HEALTH STATISTICS

STATE OF

OKLAHOMA

1954

PART II

BIRTHS AND DEATHS

Oklahoma State Department of Health
Oklahoma City, Oklahoma

G. F. MATHEWS, M. D., Commissioner

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APPENDIX

PUBLIC HEALTH STATISTICS OF OKLAHOMA

BIRTHS AND DEATHS

1954

Vital statistics relating to the births and deaths that occurred in Oklahoma or to residents of Oklahoma during the calendar year 1954 are published in this twelfth annual edition of Public Health Statistics of Oklahoma, Part II.

Ten basic tables are exhibited in the Appendix, summarizing general historical information for the State and presenting more specific data pertaining to 1954 vital events by race, sex, age, cause of death, county and city of residence. Brief descriptions of the methods used for collecting and tabulating the data are presented in the narrative. Some of the more significant and interesting observations have been selected for discussion and specific charts and tables have been used for illustrations.

POPULATION

Total population estimates for the State, counties, and cities for intercensal years have been based, in general, on the arithmetic interpolation or projection of the changes in population between the Census enumerations. In computing population estimates for racial groups for the years 1950-1954, however, the Indian and Negro populations have been held constant at the 1950 enumeration and population changes have been reflected in the white group only. The July 1, 1954, estimate for the State as a whole is 2,238,057; for the white racial group the estimate is 2,038,785, for the Negro, 145,503, and for the Indian, 53,769. Total population estimates for each county and for each city having a population of 2,500 or more in the last Census are shown in Tables V, VI, and VII in the Appendix.

RESIDENCE ALLOCATION

The birth, death, and stillbirth certificates filed in the State Department of Health are the chief source of the statistics published in this bulletin, and one table, Table C, gives the actual count of these certificates. Since information relative to the resident population, however, is generally more useful to those organizations charged with the responsibility of the public's health, most of the data in this bulletin relate to the births, deaths, and stillbirths that occurred to the residents of Oklahoma regardless of where the events took place. This allocation of vital events to the place of residence is made possible by the voluntary exchange of copies of certificates for statistical purposes only between the states, Alaska, Hawaii, and Canada through the National Office of Vital Statistics. Table 1 below shows the number of Oklahoma birth and death certificates excluded and the number of births and deaths occurring in other states included in resident tabulations. Similarly, births, deaths, and stillbirths have been allocated within the State to city and county of residence for tabulation.

Table 1

Residence Allocation, Oklahoma, 1954

	Non-resident Certificates Excluded	Resident Transcripts Included •
Births	2,202	1,667
Deaths	474	879

The largest number of birth and death certificates for Oklahoma residents from other areas were received from the bordering states of Texas, Arkansas, Kansas, and Missouri, states with hospital facilities in cities just across the borders. Table 2 shows the number of certificates received from each of these states and also from some of the other states in which appreciable numbers of births and deaths of Oklahoma residents occurred.

Table 2

Births and Deaths of Oklahoma Residents Occurring Outside Oklahoma, by State in which the Events Occurred, 1954

State	Number	
	Births	Deaths
Total	1,667	879
Arkansas	333	104
California	19	39
Illinois	21	14
Kansas	340	165
Kentucky	22	2
Maryland	21	4
Missouri	107	74
New Mexico	32	34
Texas	564	308
Washington	53	3
Alaska	19	3
All others	136	129

CAUSE OF DEATH CLASSIFICATION

The sixth revision of the international list of causes of death adopted by the World Health Organization in 1948 has been used for assigning the causes of death for statistical classification. Up until the 1948 revision of the International List, changes in classifications or coding procedures were not extensive enough to make statistics based on one revision incomparable with those based on another revision. With the sixth revision, however, not only were there

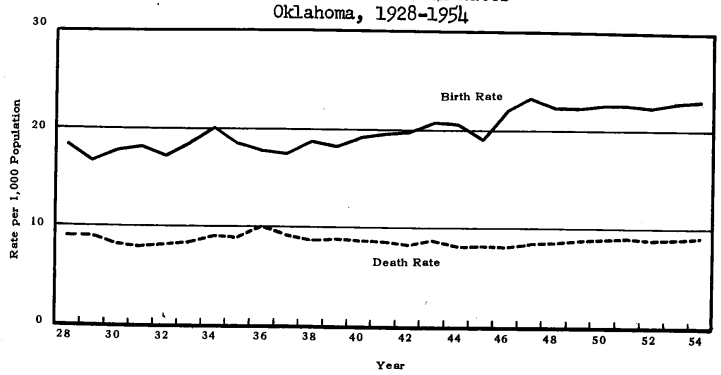
major changes in the List itself, but the medical certification on the death certificate and the procedures for the selection of a single underlying cause for classification were revised also. In order to establish comparability ratios for major cause-of-death classifications, the certificates in 1949 were coded according to both the fifth and the sixth revisions of the International List. These ratios should be used for computing adjusted rates for the years 1930-1948 to compare with the rates for later years; rates used in comparison in the discussion in the bulletin have been adjusted by the comparability ratios unless otherwise specified. Comparability ratios for forty-eight selected causes and for important causes of infant deaths were published in the 1949 edition of this bulletin. Rates in the historical table, A, have not been adjusted by the application of the comparability ratios, but adjusted rates for causes most affected by the changes in classifications and coding procedures are published in Table B in the Appendix for the years 1940-1949.

LIVE BIRTHS

The live birth rate for 1954, 23.0 per 1,000 estimated population, shows little change from the rate recorded in the previous year, 22.9. In fact, the chart below indicates that the birth rate trend was definitely on the increase until 1947, when it began leveling off. The 1947 rate of 23.3 was the highest ever recorded for Oklahoma.

Chart 1

Crude Birth and Death Rates
Oklahoma, 1928-1954



Birth rates for the racial groups were similar to those recorded during the previous year, also. The white rate was 22.2 as compared to 22.1 in 1953, the Negro rate was 27.6 as compared to 27.9 in 1953, and the Indian was 39.3 as compared to 39.9 in 1953. The ratio of male to female live births in 1954 was 105 males to every 100 females.

Hospital deliveries again showed an increase, with 91.8 per cent of the live births occurring in hospitals, as compared to 90.9 in the previous year. The proportion of deliveries in homes showed a decrease from 9.1 in 1953 to 8.2 in 1954. Hospital deliveries varied for the racial groups - the Negro race having the lowest proportion of the births in that population group delivered in hospitals, 69.1 per cent. Table 3 shows the births by race and attendance at delivery.

Table 3

Live Birth Attendance by Race
Oklahoma, 1954

Attendance	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total live births	51,457	100.0	45,333	100.0	4,013	99.9	2,111	100.0
Physician in hospital	47,259	91.8	42,532	93.8	2,773	69.1	1,954	92.6
Physician in mat.home	168	0.3	154	0.3	10	0.2	4	0.2
Physician in home	3,121	6.1	2,428	5.4	583	14.5	110	5.2
Midwife and other	909	1.8	219	0.5	647	16.1	43	2.0

Immature Births

During 1954, 6.7 per cent of the 50,950 births reporting birth weight, specified weights of five and one-half pounds or less. The proportions of the live births that were immature, based on birth weight alone as the criterion of immaturity, for each racial group, are shown in Table 4. The Indian rate was low and the Negro high, by comparison to the rates for the white and total populations. The Indian rate showed a drop from the previous five-year average of 5.6 to 4.7 per cent premature births in 1954; proportions as low as 4.9 per cent were observed in 1948 and 1949, the first years that this information was tabulated.

Table 4

Percentage of Immature* Live Births, by Race
Oklahoma, 1954

	Total	White	Negro	Indian
Live births with birth weight specified	50,950	44,945	3,920	2,085
Birth weight $5\frac{1}{2}$ pounds or less	3,393	2,865	431	97
Per cent	6.7	6.4	11.0	4.7

*Based on birth weight alone.

Immature births seemed to occur more frequently to very young mothers as shown by the figures in Table 5. Out of the small number of births, 99, occurring to mothers under 15 years of age, 12.1 per cent weighed less than 5 lbs. 8 oz. Approximately 7.5 per cent of the babies born to mothers ages 15-19 were immature. The proportions of immature infants born to mothers in other age groups were closer to the average, 6.7 per cent, for immature infants to mothers of all ages.

Table 5

Immature Births by Weight and Age of Mother
Oklahoma, 1954

Birth Weight	Total	Age of Mother							
		Under 15	15-19	20-24	25-29	30-34	35-44	45 & Over	Unk.
Live births with birth weight spec.	50,950	99	8,629	17,649	12,460	7,371	4,509	87	146
Total immature births	3,393	12	650	1,187	763	461	307	5	8
Per cent immature	6.7	12.1	7.5	6.7	6.1	6.3	6.8	5.7	5.5
4 lb 7 oz-5 lb 8 oz	2,273	8	425	824	509	293	205	4	5
3 lb 5 oz-4 lb 6 oz	639	1	116	230	139	99	53	-	1
2 lb 4 oz-3 lb 4 oz	272	1	61	86	61	37	24	1	1
Less than 2 lb 4 oz	209	2	48	47	54	32	25	-	1

STILLBIRTHS

During 1954, certificates were filed for 787 fetal deaths that showed no signs of life after complete birth and had developed to the 20th week or more of gestation. This number represented a ratio of 15.3 stillbirths per 1,000 live births, slightly lower than the 15.9 ratio recorded in 1953. The stillbirth ratio for both the white and Indian infants showed declines from the previous year: The white rate in 1953 was 14.7 and in 1954 it was 14.1, the Indian in 1953 was 24.7 and in 1954 it was 19.9. The Negro rate showed an increase from 24.9 in 1953 to 26.7 in 1954.

Table 6

Stillbirth Attendance by Race, Number and Per Cent
Oklahoma, 1954

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total	787	99.9	638	100.1	107	99.9	42	100.0
Physician in hospital	696	88.4	579	90.8	76	71.0	41	97.6
Physician in mat. home	3	0.4	3	0.5	-	-	-	-
Physician in home	68	8.6	49	7.7	18	16.8	1	2.4
Midwife	15	1.9	2	0.3	13	12.1	-	-
Other and unknown	5	0.6	5	0.8	-	-	-	-

A higher percentage of the 1954 stillbirths, 88.4, were delivered in hospitals than of the 1953 stillbirths, 83.8. The proportions of stillbirths according to attendance at birth for each racial group are shown in Table 6.

Causes of stillbirth determined in the fetus, placenta or cord accounted for 82.0 per cent of these fetal deaths; 18.0 per cent were attributed to causes determined in the mother or related to pregnancy. The underlying cause for statistical classification was selected usually according to the sequence of events that led to the stillbirth as reported on the medical certification. If no definite sequence could be established, however, causes determined in the fetus, placenta, or cord were given precedence over causes determined in the mother, when they were reported together. Table 7 shows the underlying cause of the stillbirths in 1954. Approximately 32.9 per cent of the stillbirth certificates either reported no cause at all or reported only ill-defined causes.

Table 7

Resident Stillbirths, by Cause of Stillbirth
Oklahoma, 1954

Cause of Stillbirth	Number	Per Cent
Total	787	100.1
Causes Determined in the Mother, or Related to Pregnancy:		
Diabetes mellitus (Y30.2)	5	0.6
Chronic diseases of genito-urinary system (Y30.4)	2	0.3
Other chronic diseases (Y30.0, .1, .3, .5)	9	1.1
Acute disease in mother (Y31)	5	0.6
Toxemias of pregnancy (Y32.3, .4)	50	6.4
Infection (ante- and intra-partum) (Y32.5)	3	0.4
Difficulties in labor (Y34)	50	6.4
Self-induced abortion (Y32.0)	-	-
Accident or violence (Y35.0, .1)	7	0.9
Other and ill-defined causes in mother (Y32.1, .2, Y33, Y35.2, .3)	11	1.4
Causes Determined in the Fetus, Placenta or Cord:		
Placenta and cord conditions (Y36)	260	33.0
Birth injury (Y37)	5	0.6
Congenital malformations of fetus (Y38)	86	10.9
Erythroblastosis (Y39.2)	43	5.5
Other causes determined in the fetus (Y39.0, .1, .3)	2	0.3
Ill-defined causes (Y39.4, .5)	109	13.9
Cause unspecified (Y39.6)	140	17.8

Of the total stillbirths, 663 reported whether or not death occurred before or during labor. Of this number, 67.9 per cent occurred before labor and 32.1 per cent occurred during labor. Percentages for each racial group according to the time of death are shown in Table 8.

Table 8

Resident Stillbirths, According to Whether Death Occurred Before or During Labor, by Race, Number and Per Cent
Oklahoma, 1954

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Stillbirths	787	100.1	638	100.0	107	100.0	42	100.0
Before labor	450	57.2	368	57.7	54	50.5	28	66.7
During labor	213	27.1	182	28.5	21	19.6	10	23.8
Not stated	124	15.8	88	13.8	32	29.9	4	9.5

Operative procedures were indicated on only 113, or 17.3 per cent of the total 655 stillbirth certificates giving information as to whether or not operative procedures were used. Almost 93 per cent of those specifying the time of death in relation to the operation indicated that death had occurred before the operation. Table 9 shows the time of death for those stillbirths for which operative procedures were necessary, for each racial group.

Table 9

Resident Stillbirths, According to Whether Death Occurred Before or During Operation, by Race, Number and Per Cent
Oklahoma, 1954

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Operations	113	100.0	96	100.1	13	100.0	4	100.0
Before operation	91	80.5	78	81.3	9	69.2	4	100.0
During operation	7	6.2	6	6.3	1	7.7	-	-
Not stated	15	13.3	12	12.5	3	23.1	-	-

Table 10 below shows the stillbirths reported during the last three years according to operative procedures used. Cesarean section was the operation in 48.5 per cent of the 373 operative stillbirth deliveries, forceps (excluding version and breech extraction) were used in 24.9 per cent of the operative deliveries, version and extraction was used for 11.0 per cent, and breech extraction for 6.2. These proportions were in the same numerical order for each of the three racial groups.

Table 10

Resident Stillbirths According to Operative Procedure by Race, Oklahoma, 1952-1954

Operative Procedure	Total	White	Negro	Indian
Total reporting whether or not operative procedure	1962	1597	224	141
No operative procedure	1589	1290	183	116
Operative procedure reported	373	307	41	25
Forceps delivery	93	75	11	7
Version, with or without forceps	41	32	6	3
Breech, with or without forceps	23	21	2	-
Casarean section	181	151	17	13
Mutilating operation	8	6	2	-
Other and unspecified	27	22	3	2

TOTAL DEATHS

The 1954 crude death rate for Oklahoma was 9.0 per 1,000 estimated population, continuing the almost straight-line trend established in earlier years, as shown in Chart 1 on page 3. The Negro and Indian rates of 12.6 and 10.4, respectively, were higher than the white rate of 8.7. Male deaths, 11,798, exceeded the female, 8,323, and if the 1954 population was almost equally divided into males and females as indicated by the 1950 Census enumeration, the sex-specific death rates would be 10.6 for males and 7.4 for females.

Table 11

Race-Sex Specific Death Rates* for Broad Age Groups Oklahoma, 1954

Race and Sex	All Ages	Age				
		Under 15	15-34	35-54	55-74	75 & Over
White: Male	10.3	3.0	1.5	5.4	29.2	121.2
Female	7.1	2.2	0.7	2.8	16.4	108.3
Negro: Male	13.9	6.5	2.8	9.5	36.0	117.5
Female	11.3	5.7	1.8	8.1	29.6	126.3
Indian: Male	11.2	5.6	3.8	11.2	34.0	107.5
Female	9.4	4.3	4.0	6.7	29.4	114.0

*Rates represent number per 1,000 estimated population.

Almost 60 per cent of the deaths that occurred during the year were of persons 65 years of age or older - 11.3 per cent were 85 years of age or older. Age distribution of deaths varied for the race and sex groups; estimated race and sex specific rates for broad age groups are shown in Table 11. Up to age 75, rates for the Negro and Indian population exceeded the comparable rates for the white population and in most groups, the male rates were higher than the female rates for all races.

Although the final annual death rate for 1954 did not indicate an upward swing in the trend, the deaths that occurred in each month did show some variation from the 1951-53 average figures. In 1954, 11.9 per cent of the deaths for the year occurred during the exceptionally hot month of July; the 1951-53 average proportion of deaths for July was 8.2. The accidental death category was the one most affected by this increase in deaths, and further discussion of the observation is included in the accidental death section on page 15. Some of the other diseases, especially those commonly affecting older people, indicated higher rates for the month of July. The heart disease death rate based on deaths in July, 1954, was 357.6 per 100,000 estimated population as compared to 268.2 for the 1951-53 average rate for July. The same comparative rates for malignant neoplasms were 152.3, July, 1954, and 136.5, July, 1951-53; for vascular lesions of central nervous system, they were 208.6, July, 1954, and 112.5, July, 1951-53.

LEADING CAUSES OF DEATH

Along with progress in the control of certain diseases in younger people and the aging of the general population have come many changes in public health problems. Some of the chronic diseases that are most common in older people have long been major health problems and death rates from these diseases have been steadily increasing. The top four leading causes of death for the general population - heart diseases, cancer, vascular lesions of the central nervous system, and accidents - for example, accounted for almost three-fourths, 73.9 per cent, of the deaths of persons aged 65 and over during 1954. In 1930, these four causes of death were among the top ten numerically most important causes but accounted for only 45.4 per cent of deaths in the 65 years and over age group. The leading causes of death in 1954 for seven broad age groups, by race, are shown in Table IV in the Appendix. For ranking causes of death, the procedures recommended by the Mortality Working Group of the Public Health Conference on Records and Statistics have been used, with two exceptions: "Nephritis and Nephrosis", including International List numbers 590-594, is listed as one cause instead of the two group titles for 590-591 and 592-594 and "Diseases of the Arteries", including numbers 450-456, is listed as a cause instead of the single title for category 450.

No doubt, much of the increase in death rates from chronic diseases generally affecting older people is merely a sequel to the increase in the proportion of older people in the population. Table 12 below compares the observed death rates for the four leading causes of death in 1954 with age-adjusted death rates to give some indication as to how much of the increase in death rates from these diseases over the past two decades may have been the result of the aging population and how much may have been due to other factors.

Table 12

Comparison of Observed Death Rates with Age-Adjusted Death Rates
for Four Leading Causes of Death
Oklahoma, 1930, 1940, 1950

(Adjusted to Age Distribution of 1930 Census Enumeration)

Cause of Death	Observed Death Rates				Age-Adj. Death Rates		
	1930*	1940*	1950	1954	1930	1940	1950
Diseases of the heart	101.2	179.4	271.2	292.0	101.2	133.2	146.6
Malignant neoplasms	50.8	85.4	120.1	136.0	49.9	65.9	73.1
Vascular lesions affecting central nervous system	61.2	84.8	100.6	116.5	61.2	60.8	50.9
Accidents	66.3	54.6	60.4	67.0	66.3	50.2	52.4

*Rates adjusted by application of comparability ratio of 1949 deaths classified by sixth revision to 1949 deaths classified by fifth revision of the International List.

Heart disease has been the leading cause of death in Oklahoma nearly every year since 1930, but in 1932 and 1936, the number of deaths from influenza and pneumonia, combined, exceeded the number of deaths assigned to diseases of the heart. Although vascular lesions of the central nervous system and malignant neoplasms have been among the ten leading causes of death since 1930, it has been only since 1940 that one or the other has held the second and third numerically most important positions as causes of death. Accidents was the fourth leading cause of death in 1954; this cause was third in 1930, exceeded by heart diseases in first place and influenza and pneumonia in second. Influenza and pneumonia have dropped in their importance, however, as causes of death and in 1954 were down to sixth position.

In spite of the great reduction in the infant death rate, from 60.7 per 1,000 live births in 1930 to 27.1 in 1954, certain diseases of early infancy and congenital malformations, as two separate causes, still continue as numerically important causes of death and were in fifth and tenth positions, respectively, as leading causes for the general population in 1954. For the first time, tuberculosis did not appear as one of the ten leading causes of death but dropped to eleventh position.

The leading causes of death varied to some extent for the racial groups. The rank order for the ten numerically most important causes for the white population group was the same as for the general population. For the Negro population, the first five leading causes were also the same except that "accidents" was in second position instead of fourth; nephritis and nephrosis moved up to sixth position, followed by influenza and pneumonia. Hypertension, without mention of heart disease, and homicide appeared as the next two leading causes, and diseases of the arteries was in tenth position.

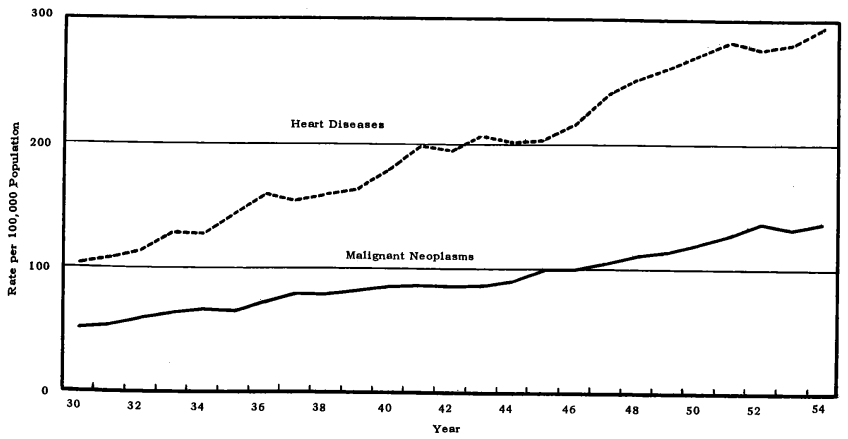
For the Indian deaths, fewest in number and therefore most subject to variations, the rank order and number for the ten leading causes of death were as follows: Diseases of the heart, 121; accidents, 68; tuberculosis, 55; malignant neoplasms, 53; vascular lesions of CNS, 36; influenza and pneumonia, 32; certain diseases of early infancy, 27; diabetes mellitus, 18; diseases of arteries, 12; and gastritis, duodenitis, enteritis and colitis, 11.

Heart Disease

Heart diseases, the leading cause of death for the three major racial groups and all age groups above thirty-five, accounted for 6,536 deaths during 1954. The rate of 292.0 deaths per 100,000 estimated population was the highest on record and was almost three times what it was in 1930 - the adjusted number and rate for that year were 2,424 and 101.2. Chart 2 below shows the rapidly increasing death rates over the past twenty-five years. The rate for heart disease deaths among Negroes, 312.7, exceeded both the white and Indian rates, 292.3 and 225.0, respectively. Age, of course, was an important factor in heart disease deaths; 43.3 per cent of the heart disease deaths during 1954 were in persons 75 and over and another 27.2 per cent were in persons ages 65-74. The 4,607 heart disease deaths of persons 65 years of age and over represented 38.3 per cent of the total deaths in that age group. Almost twice as many men, 4,156, were victims of heart disease as women, 2,380.

Chart 2

Death Rates from Heart Diseases and Malignant Neoplasms
Oklahoma, 1930-1954



By far a larger number of heart disease deaths were attributed to heart diseases involving coronary arteries than to any other type of heart disease, 49.6 per cent of the total number. Arteriosclerotic heart disease was the second most frequently assigned type of heart disease causing death, with 17.2 per cent specified as due to this type of disease. The number of deaths assigned to the principal categories are shown in Table 13. Attention is called to the fact that in selecting the single underlying cause of death for statistical classification, the International List contains certain combinations that are used when more than one type of heart disease is reported on death certificates. For example, if coronary heart disease is reported with angina pectoris, myocardial degenerations, hypertensive heart diseases, etc., the coronary heart disease is selected as the underlying cause regardless of its position on the certificate. In the same way, hypertensive heart diseases take precedence over myocardial degenerations and heart diseases that are listed in the category, "other and unspecified diseases of the heart." Also, if one disease of the heart is specified as rheumatic, other heart conditions reported are considered to be of rheumatic origin and the assignment of the cause-of-death code made accordingly.

Table 13

Heart Disease Deaths by Type of Heart Disease
Oklahoma, 1954

Type of Heart Disease	Number	Per Cent
Diseases of the Heart, All Forms	6,536	100.0
Chronic Rheumatic Heart Disease		
Diseases of mitral valve	78	1.2
Diseases of other specified valves	5	0.1
Other rheumatic endocarditis	8	0.1
Other rheumatic myocarditis	5	0.1
Other rheumatic heart disease	90	1.4
Arteriosclerotic and Degenerative Heart Disease		
Arteriosclerotic heart disease	1,125	17.2
Heart disease involving coronary arteries	3,242	49.6
Angina pectoris	18	0.3
Endocarditis, not specified as rheumatic	68	1.0
Myocarditis, with arteriosclerosis	168	2.6
Other myocardial degeneration	300	4.6
Other Diseases of the Heart		
Acute and subacute endocarditis	6	0.1
Acute myocarditis	25	0.4
Acute pericarditis	1	0.0
Functional diseases of heart	34	0.5
Other and unspecified diseases of heart	509	7.8
Hypertension with Heart Disease		
Hypertensive heart disease with arteriolar nephrosclerosis	276	4.2
Other and unspecified hypertensive heart disease	578	8.8

Malignant Neoplasms

Although the death rate from malignant neoplasms has continued to fall below the heart disease death rate and has increased at a slower rate, deaths from this disease numbered 3,043 in 1954 and accounted for 15 per cent of the total deaths. Chart 2 on page 11 compares the increase in death rates from cancer with those from heart diseases for the last twenty-five years.

The death rate for the white population, 137.8, was the highest as compared to 124.4 for Negroes and 98.6 for Indians. Like heart disease, cancer was more common as a cause of death among older people, with 27.8 per cent of these deaths in persons 75 and over and 27.5 per cent 65-74. Only 4.3 per cent of the deaths were in persons under 35 years of age. Cancer deaths in males outnumbered those in females for the general population but cancer deaths in the Negro and Indian population occurred more frequently in females than in males (see Table III in the Appendix). The most frequently reported primary sites varied for males and females, as seen in Table 14. Trachea, bronchus, and lung as a group was the most common site in men but breast was the most common site in females.

Table 14

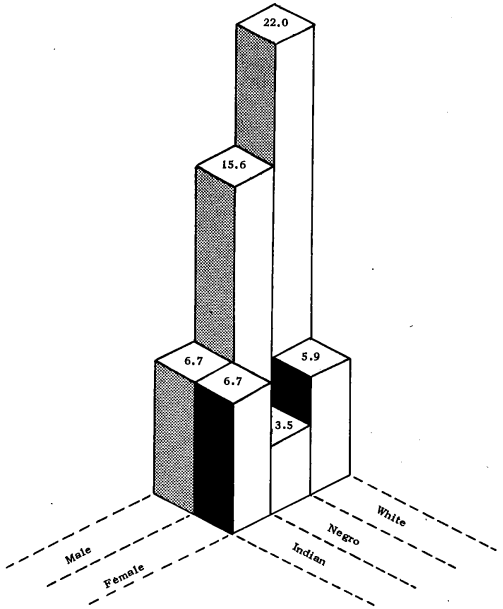
Resident Deaths from Malignant Neoplasms, by Primary Site, by Sex, Oklahoma, 1954

Site	Male	Female
Total, all sites	1,581	1,462
Malignant neoplasms of:		
Buccal cavity and pharynx	54	18
Esophagus	26	17
Stomach	176	126
Intestine, except rectum	144	160
Rectum	58	47
Larynx	15	5
Trachea, bronchus, and lung, not secondary	254	58
Breast	1	219
Cervix uteri	-	120
Other and unspecified parts of uterus	-	106
Prostate	195	-
Skin	43	26
Bone and connective tissue	20	26
Other and unspecified sites	422	425
Leukemia and aleukemia	100	63
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic tissues	73	46

Increase in the number of deaths from malignant neoplasms of the respiratory system, the most frequently reported primary site for cancer deaths among the general population in 1954, has in recent years attracted a great deal of public interest. The average race and sex specific death rates for the years 1950-1954 are compared in Chart 3.

Chart 3

Death Rates for Malignant Neoplasms of the Respiratory System, by Race and Sex, Oklahoma, 1950-1954



Vascular Lesions Affecting Central Nervous System

The third leading cause of death in 1954, vascular lesions affecting the central nervous system, like cancer and heart disease, has been on the increase, but, as shown by Table 12 on page 10, the increase in death rates from this group of diseases has been greatly influenced by the number of older people in the surviving population. In 1954, 81.8 per cent of the deaths assigned to this cause were of persons 65 years of age or older. The rate for the Negro population was 158.1 deaths per 100,000 population, as compared to 114.8 for the white population and 67.0 for the Indian. Male deaths, 1,320, exceeded the female, 1,287.

A majority of the vascular lesions affecting the central nervous system were assigned to the cerebral hemorrhage category, 1,758; 462 were assigned to embolisms and thromboses, 42 to subarachnoid hemorrhages, and 345 to other and ill-defined vascular lesions of the central nervous system.

Accidents

For the population between ages 1 and 34, inclusive, accidents was the leading cause of death, accounting for 40.5 per cent of all the deaths in that age range in 1954. For the general population, accidents held its usual place as the fourth numerically most important cause of death. The accidental death rates have not indicated any definite trend over the last twenty-five years in Oklahoma but have varied from a high of 81.6 in 1936 to a low of 54.6 in 1940. The rate for 1954 was 67.0. For the major racial groups, the rate was highest among Indians, 126.5, as compared to 96.9 for the Negro and 63.3 for the white population. Over twice as many males, 1,035, as females, 465, died as the result of injuries sustained in accidents - more than three times as many males as females were killed in motor-vehicle accidents.

About 40.5 per cent of all accidental deaths were assigned to the motor-vehicle categories. Falls were the second most common type of accident resulting in death, accounting for 14.7 per cent of the accidental deaths. Important types of accidents causing death are shown in Table I in the Appendix. Detailed study of 1954 deaths resulting from accidents that occurred in Oklahoma will be published in Part III of Public Health Statistics of Oklahoma, Accidental Deaths.

Race and sex distribution of accidental deaths varied according to the type of accident. Motor-vehicle accidental deaths occurred in all age groups but more frequently in the 15-19 (70 deaths in 1954) and 20-24 (72 deaths in 1954) age groups than other five-year age groups. Deaths due to falls occurred more frequently in older people - 159, or 71.9 per cent, of the fatal falls were in persons 75 years of age or older. Drownings occurred more frequently in age groups 5-9 and 10-14, a total of 28 for the two groups, or 34.6 per cent of all the drownings.

During the unusually hot summer of 1954, the accidental death rate showed a sharp increase, but the final annual rate of 67.0 was not out of line with rates for previous years. A very large number of deaths during the July-September period were assigned to the category, "excessive heat and insolation" - for the entire year, 183 resident deaths were assigned to this cause. Of that number, however, 77, or 42.1 per cent, had other causes reported on the death certificates also. The remaining 106 deaths either were attributed solely to the effects of the hot weather or had as complications only symptoms or ill-defined causes, as reported on the death certificates. The 106 deaths from this cause were still far in excess of the numbers of deaths assigned to this cause in previous years: 20 in 1953, 23 in 1952, 13 in 1951, and 1 in 1950.

Certain Diseases of Early Infancy

Certain diseases peculiar to the first year of life were reported as the cause of death on certificates for 839 infants during 1954, placing this group as the fifth ranking cause of death for the general population. Since all but

one of the deaths assigned to this classification were of infants under one year of age, this group of diseases will be discussed in the "Infant Death" section of this bulletin.

Influenza and Pneumonia

The combined death rate for influenza and pneumonia has dropped considerably from the rate of 147.4 deaths per 100,000 population in 1936 (the highest rate recorded during the past twenty-five years) to the rate of 26.7 in 1954. As a group, the two diseases ranked sixth as a leading cause of death, accounting for a total of 598 deaths in 1954. The 24.0 rate recorded for the white population was less than half that for the Negro and Indian populations, 52.9 and 59.5, respectively. About 55 per cent of the deaths were in males. More deaths occurred in babies and older persons than in children and young adults. In addition to the 93 deaths of infants under one year of age assigned to these categories, 32 deaths were assigned to the category, "Pneumonia of Newborn".

Of the 59 influenza deaths, 4 were reported as having digestive manifestations, 21 as having pneumonia also, and 34 as having other respiratory manifestations or were diagnosed as influenza, unqualified. The pneumonia deaths were distributed as lobar, 167; broncho, 161; atypical or virus, 45; other and unspecified, 166.

Diseases of Arteries

Diseases of the arteries, principally arteriosclerosis, was the seventh leading cause of death for the general population, with 510 deaths assigned to that cause. Deaths for this group of diseases seemed to occur almost at the same rate among the major racial groups: 22.9 per 100,000 for the white population, 21.3 for the Negro, and 22.3 for the Indian. Only a small majority of the deaths were males, 52.7 per cent. Age, however, seemed to be a more important factor; only 10.2 per cent of the deaths in 1954 were at less than 65 years of age. Approximately 6.7 per cent of the deaths of persons 85 years of age and over were due to diseases of the arteries.

Nephritis and Nephrosis

Next in rank as a cause of death was nephritis and nephrosis, occurring at a rate of 16.5 per 100,000 population. The Negro rate of 53.6 was considerably higher than either the white rate of 13.8 or the Indian rate of 16.7, making it the sixth leading cause of death for the Negro population. Male deaths, 212, exceeded the female, 157. A predominant number of these deaths were among older people; 43.4 per cent were 75 and over and 24.9 per cent were between the ages 65-74, inclusive.

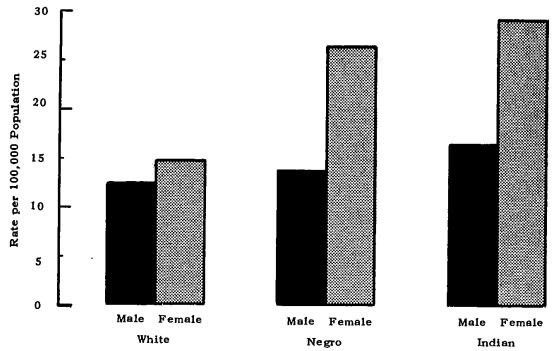
Nephritis and nephrosis, as a cause of death, apparently has been on the decrease. Since statistics for this cause of death were greatly affected by the coding changes involved in the sixth revision of the International List in 1949, data for previous years are not comparable. The 1954 rate, however, compared with the adjusted rate for 1940 (29.1) indicated a 43.3 per cent decrease; rates for the years within that period did not exceed the 1940 rate.

Diabetes Mellitus

Another disease that seems to be increasing in importance as a cause of death is diabetes mellitus, ninth in rank during 1954. The 316 deaths assigned to this cause, gave a rate of 14.1 per 100,000 population. While this rate was slightly lower than the 15.2 recorded in the previous year, it was still higher than any of the other rates recorded since 1940, when the adjusted rate was 9.6. The Indian rate of 33.5 was more than twice as high as the white rate of 13.4 and the Negro rate of 16.5. In each racial group, the number of female deaths exceeded the male, making the total number of female deaths 62.0 per cent of the deaths assigned to this cause. Race and sex specific death rates for diabetes are compared in Chart 4. Over two-thirds, 69.0 per cent, of the total diabetes deaths in 1954 were of persons 65 years of age or older.

Chart 4

Race and Sex Specific Death Rates for Diabetes Mellitus
Oklahoma, 1950-1954



Congenital Malformations

Although congenital malformations may be assigned as a cause of death at any age, deaths from these conditions usually occur early in life. During 1954, 76.6 per cent of the 239 deaths assigned to this category were in infants under one year of age. For this reason, discussion of this tenth leading cause of death has been included in the "Infant Death" section.

Other Important Causes of Death

Tuberculosis is no longer among the top ten causes of death for the general population, but it ranked third in numerical importance among the Indian population. A total of 234 deaths were assigned to this cause in 1954, and the Indian rate of 102.3 far exceeded the white rate of 7.7 and the Negro rate of 15.1. Over half, 31, of the 55 deaths among Indians were at 55 years of age or over.

Homicide and suicide were important causes of death in certain segments of the population. Homicide ranked ninth as a cause of death among the Negro population, accounting for 35 deaths in that group. Although only 5 deaths in the age group 5-14 were classified as homicide, this cause was seventh in that age group; it tied for seventh place in the age group 15-24 (6 deaths), and was fifth for the age groups 25-34 and 35-44 (20 and 30 deaths, respectively). Suicide was twelfth in rank for the general population but was fifth for the population aged 15-24, fourth for the population aged 25-34, and sixth for the population aged 35-44. A total of 166 deaths were determined as suicides.

Hypertension, without mention of heart disease, was among the top ten causes of death for the Negro population and for the population aged 75 or over.

COMMUNICABLE DISEASES

While the decline in the death rates from some of the communicable diseases has been spectacular, interest in them from a public health standpoint can not be discontinued. No deaths were attributed to typhoid fever in 1953, but in 1954 there were 3 deaths. The number of deaths from diphtheria, also, was 3, after a year when no deaths from the disease occurred; all were under five years of age. Whooping cough deaths totaled only 6 in 1954, 3 less than were reported in the previous year, but all were in infants under one year of age. Five measles deaths, in persons under 15 years of age, were recorded. One death was assigned to scarlet fever and 5 to streptococcal sore throat.

Tetanus accounted for 5 deaths; malaria, one; and erysipelas, one. Twelve deaths were assigned to dysentery; 5 were specified as bacillary, 4 as amebic, and 3 were unspecified as to type. One death was attributed to paratyphoid fever. Twenty-one deaths were assigned to septicemia and pyemia, 8 of which were in infants under one year of age and 6 in children aged 1-4, inclusive.

In all, 26 deaths were assigned to poliomyelitis; 23 were deaths resulting from acute cases and 3 of the deaths were caused by late effects of the disease. Of the acute poliomyelitis deaths, 13 were under 15 years of age and all were in the white population, except one Negro. Eighteen of the deaths were specified as bulbar or polio-encephalitis, one as other paralytic, and 4 were unspecified.

There were 10 acute infectious encephalitis deaths during 1954 and 2 other deaths attributed to late effects of the disease. The encephalitis deaths occurred in older persons than did the poliomyelitis deaths; 7 were over 35 years of age. Infectious hepatitis deaths totaled 9, 4 less than were recorded last year, when a possible increase in the death rate was suggested.

The syphilis death rate was 3.6, based on 80 deaths, and the Negro rate of 14.4 exceeded the Indian rate of 3.7 and the white of 2.8. Twenty of the deaths were specified as syphilic aneurysm of the aorta, 21 as other cardio-vascular syphilis, 2 as tabes dorsalis, 13 as general paralysis of the insane, 15 as other syphilis of the central nervous system, one as other forms of late syphilis, 2 as congenital syphilis, and 6 were unspecified as to stage. Gonococcal infections were reported as the cause of death of 2 persons.

MATERNAL DEATHS

The number of maternal deaths for the year was one more than recorded in 1953. The rate, however, remained at 0.7 per 1,000 live births; 0.5 for white mothers, 2.5 for Negro and 2.8 for Indian. Maternal deaths by race, by cause are shown in Table 15.

Table 15

Maternal Deaths by Cause, by Race, Number and Rate*
Oklahoma, 1954

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes	38	0.7	22	0.5	10	2.5	6	2.8
Sepsis of pregnancy (640, 641)	-	-	-	-	-	-	-	-
Toxemias of pregnancy (642)	7	0.1	3	0.1	2	0.5	2	0.9
Hemorrhage of pregnancy (643, 644)	-	-	-	-	-	-	-	-
Ectopic pregnancy without mention of sepsis (645.0)	1	0.0	1	0.0	-	-	-	-
Ectopic pregnancy with mention of sepsis (645.1)	-	-	-	-	-	-	-	-
Other complications of pregnancy (646-649)	-	-	-	-	-	-	-	-
Abortion without mention of sepsis or toxemia (650)	4	0.1	1	0.0	2	0.5	1	0.5
Abortion with mention of sepsis (651)	-	-	-	-	-	-	-	-
Abortion with toxemia, without mention of sepsis (652)	-	-	-	-	-	-	-	-
Delivery without specified complications (660)	-	-	-	-	-	-	-	-
Hemorrhage of childbirth (670-672)	11	0.2	6	0.1	4	1.0	1	0.5
Sepsis of childbirth and the puerperium (681, 682, 684)	8	0.2	6	0.1	2	0.5	-	-
Toxemias of the puerperium (685, 686)	2	0.0	2	0.0	-	-	-	-
Other complications of childbirth and the puerperium (673-680, 683, 687-689)	5	0.1	3	0.1	-	-	2	0.9

*Number per 1,000 live births.

Twelve of the maternal deaths were attributed to conditions that arose during pregnancy - 4 of these were abortions and one was an ectopic pregnancy. Sepsis was assigned as the underlying cause of death in 8 cases, toxemia in 9, and hemorrhage in 11. The other 10 were causes without mention of these three conditions. Deaths from each of these conditions are shown in Table 16, according to age.

Table 16

Maternal Deaths, by Cause, by Age
Oklahoma, 1954

Cause of Death	Total	Age						
		-15	15-19	20-24	25-29	30-34	35-44	45+
All maternal causes	38	-	5	8	10	7	7	1
Sepsis of pregnancy, childbirth and the puerperium	8	-	1	1	4	1	1	-
Toxemias of pregnancy and the puerperium	9	-	2	3	1	1	2	-
Hemorrhage of pregnancy and childbirth	11	-	1	1	2	3	4	-
Abortion without mention of sepsis or toxemia	4	-	-	1	1	1	-	1
Abortion with sepsis	-	-	-	-	-	-	-	-
Other complications of pregnancy, childbirth, and the puerperium	6	-	1	2	2	1	-	-

Average age-specific maternal death rates are shown in Table 17.

Table 17

Age-Specific Maternal Death Rates
Oklahoma, 1950-1954

	All Ages	Age							
		-15	15-19	20-24	25-29	30-34	35-44	45+	Unk.
Live births	253,947	404	42,727	87,418	63,157	35,772	23,255	356	858
Maternal deaths	211	-	21	41	53	41	53	2	-
Rate*	0.8	-	0.5	0.5	0.8	1.1	2.3	5.6	-

*Number of maternal deaths per 1,000 live births.

INFANT DEATHS

The death rate for infants under one year of age continued the downward trend to a rate of 27.1 in 1954, based on a total of 1,394 deaths in that age group. Deaths among Negro babies occurred at a much higher rate, 55.1 per 1,000 live births, than among white babies, 24.3, or Indian babies, 34.6, as seen in Table 18.

Table 18 also shows the causes of death in infants for each racial group. Immaturity was assigned as the underlying cause of death on 334, or 24.0 per cent, of the infant death certificates. This was the cause of death most frequently assigned to deaths among white babies but penumonia was the cause most frequently

assigned to deaths among Indian babies; immaturity and pneumonia were assigned an equal number of times to deaths among Negro infants. Asphyxia and atelectasis was the next numerically most important cause of death among all infants under one year of age, followed by congenital malformations and injury at birth.

Table 18

Deaths Under One Year, by Cause, by Race,
Number and Rate*, Oklahoma, 1954

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Infant deaths, all causes.	1394	27.1	1100	24.3	221	55.1	73	34.6
Syphilis and its sequelae (020-029).	2	0.0	-	-	2	0.5	-	-
Whooping cough (056)	6	0.1	4	0.1	2	0.5	-	-
Other infective and parasitic diseases (001-019, 031-055, 057-138).	22	0.4	10	0.2	9	2.2	3	1.4
Pneumonia (490-493, 763)	119	2.3	72	1.6	32	8.0	15	7.1
Other diseases of the respiratory system (470-475, 480-483, 500-527)	22	0.4	11	0.2	9	2.2	2	0.9
Gastro-enteritis and colitis (571, 572, 764).	53	1.0	26	0.6	19	4.7	8	3.8
Other diseases of the digestive system (530-570, 573-587).	22	0.4	14	0.3	6	1.5	2	0.9
Congenital malformations (750-759) .	183	3.6	164	3.6	14	3.5	5	2.4
Injury at birth (760-761).	152	3.0	128	2.8	21	5.2	3	1.4
Postnatal asphyxia and atelectasis (762).	207	4.0	178	3.9	20	5.0	9	4.3
Hemolytic disease of newborn (erythroblastosis) (770)	31	0.6	31	0.7	-	-	-	-
Immaturity (774, 776).	334	6.5	293	6.5	32	8.0	9	4.3
Other certain diseases of early infancy (765-769, 771-773)	73	1.4	58	1.3	11	2.7	4	1.9
Accidents (E800-E962).	74	1.4	50	1.1	20	5.0	4	1.9
Other defined causes	42	0.8	35	0.8	6	1.5	1	0.5
Symptoms and ill-defined conditions (780-793, 795).	52	1.0	26	0.6	18	4.5	8	3.8

*Number per 1,000 live births.

Deaths of Infants Under One Month of Age

Almost three-fourths, 72.5 per cent, of the infant deaths were of babies less than 28 days of age. The Negro neonatal death rate, 30.9 per 1,000 live births, was again higher than the comparable rates for the white and Indian groups, 18.9 and 14.2, respectively. It is noted in Chart 5, however, that the Indian neonatal death rate for the first time dropped below that for the white group, though, as already pointed out, the total death rate for Indian babies remained higher than that for the whites. Table 19 shows the causes of the neonatal deaths for each racial group.

Chart 6

Neonatal Death Rates, by Race
Oklahoma, 1945-1954

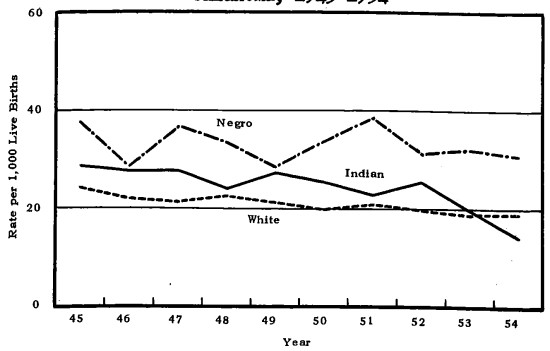


Table 19

Deaths Under One Month by Cause, by Race,
Number and Rate*, Oklahoma, 1954

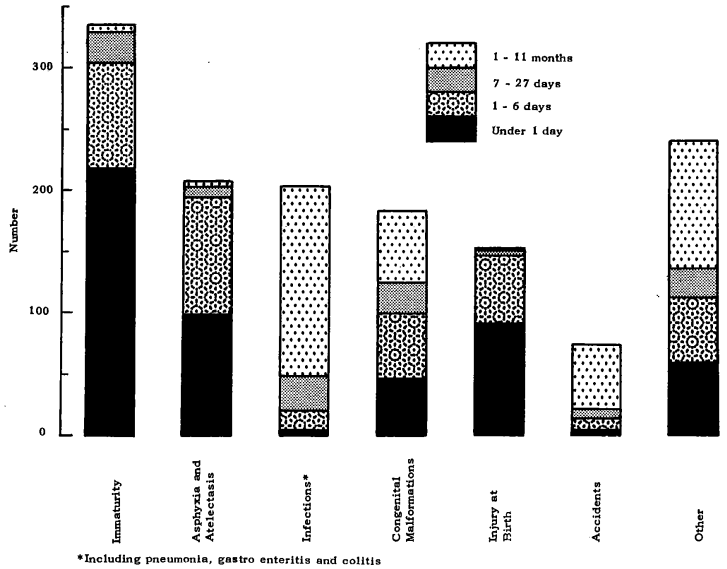
Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Neonatal deaths, all causes.	1011	19.6	857	18.9	124	30.9	30	14.2
Syphilis and its sequelae (020-029).	2	0.0	-	-	2	0.5	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-
Other infective and parasitic diseases (001-019, 031-055, 057-138).	3	0.1	-	-	3	0.7	-	-
Pneumonia (490-493, 763)	32	0.6	23	0.5	9	2.2	-	-
Other diseases of the respiratory system (470-475, 480-483, 500-527)	2	0.0	-	-	2	0.5	-	-
Gastro-enteritis and colitis (571, 572, 764).	11	0.2	7	0.2	2	0.5	2	0.9
Other diseases of the digestive system (530-570, 573-587).	9	0.2	6	0.1	3	0.7	-	-
Congenital malformations (750-759) .	124	2.4	112	2.5	9	2.2	3	1.4
Injury at birth (760-761).	151	2.9	127	2.8	21	5.2	3	1.4
Postnatal asphyxia and atelectasis (762).	202	3.9	176	3.9	18	4.5	8	3.8
Hemolytic disease of newborn (erythroblastosis) (770)	30	0.6	30	0.7	-	-	-	-
Immaturity (774, 776).	329	6.4	289	6.4	31	7.7	9	4.3
Other certain diseases of early infancy (765-769, 771-773)	60	1.2	50	1.1	8	2.0	2	0.9
Accidents (E800-E962).	20	0.4	14	0.3	4	1.0	2	0.9
Other defined causes	12	0.2	9	0.2	3	0.7	-	-
Symptoms and ill-defined conditions (780-793, 795).	24	0.5	14	0.3	9	2.2	1	0.5

*Number per 1,000 live births.

Much has been done to decrease the number of deaths of infants under one year of age, but the greatest decrease has been in deaths of infants over one week of age. During the three-year period, 1952-1954, 62.9 per cent of the infant deaths occurred during the first week of life - 37.0 per cent were during the first day. The 1945-47 average death rate for infants under one day was 10.9 per 1,000 live births, and the 1952-54 average rate was 10.4, a 4.6 per cent reduction. The death rate for infants 1-6 days of age was reduced 16.1 per cent during the same period, from 8.7 to 7.3; the rate for infants 7-27 days was reduced 36.8 per cent, from 3.8 to 2.4; and for the infants 1-11 months of age, the reduction in death rate was 28.9 per cent, from 11.4 to 8.1.

Chart 6

Infant Deaths, by Cause, by Age
Oklahoma, 1954



*Including pneumonia, gastro enteritis and colitis

Chart 6 shows infant deaths from important causes by age groups. A majority of the deaths due to immaturity, asphyxia and atelectasis, and injury at birth occurred during the first week of life. These hebdomadal deaths accounted for 63.9 per cent of the total infant deaths. Infections and accidents were more commonly causes of death among babies over one month of age.

The causes of death during the first month of life varied to some extent according to age. Table 20 shows the number of deaths assigned to each cause for the age groups under 28 days.

Table 20

Deaths Under One Month, by Cause, by Age
Oklahoma, 1954

Cause of Death	Age in Days									
	Under 1	1	2	3	4	5	6	7-13	14-20	21-27
Neonatal deaths, all causes . .	518	146	96	58	28	25	20	66	30	24
Syphilis and its sequelae . . .	-	-	1	-	-	-	-	1	-	-
Whooping cough.	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic diseases.	-	-	-	-	-	-	1	2	-	-
Pneumonia	3	1	3	4	1	2	2	9	1	6
Other diseases of the respiratory system	-	-	1	-	-	-	-	-	-	1
Gastro-enteritis and colitis. .	-	-	1	-	1	-	-	3	4	2
Other diseases of the digestive system.	1	-	2	-	-	-	2	4	-	-
Congenital malformations. . . .	46	18	11	9	4	8	3	9	11	5
Injury at birth	90	18	16	11	9	1	2	-	3	1
Postnatal asphyxia and atelectasis	98	47	29	13	3	4	-	8	-	-
Hemolytic disease of newborn (erythroblastosis).	16	1	2	4	4	-	-	3	-	-
Immaturity.	218	44	18	10	3	7	4	18	6	1
Other certain diseases of early infancy	32	10	5	4	1	-	2	4	2	-
Accidents	4	2	2	1	1	1	2	3	2	2
Other defined causes.	3	4	1	-	1	2	1	-	-	-
Symptoms and ill-defined conditions.	7	1	4	2	-	-	1	2	1	6

Deaths of Infants One Through
Eleven Months of Age

Pneumonia was the leading cause of death among the infants between one month of age and one year, accounting for 87 of the 383 deaths in this age group. Added to this, gastro-enteritis and colitis caused 42 deaths, whooping cough, 6, and other infective and parasitic diseases, 19, making "Infections" the most important cause of death for the 1-11 month age group. Congenital malformations was next in importance, with 59 deaths, and accidents next with 54 deaths. The deaths for this age group are shown in Table 21, by cause, by age.

Table 21

Deaths at One through Eleven Months of Age,
by Cause, by Age, Oklahoma, 1954

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Infant deaths, all causes . . .	383	72	52	54	41	45	24	31	34	30
Syphilis and its sequelae . . .	-	-	-	-	-	-	-	-	-	-
Whooping cough.	6	-	3	-	1	-	1	-	1	-
Other infective and parasitic diseases.	19	2	3	3	1	4	-	1	3	2
Pneumonia	87	11	9	12	14	9	6	9	9	8
Other diseases of the respiratory system	20	2	2	4	1	4	-	3	4	-
Gastro-enteritis and colitis. .	42	5	7	8	5	3	-	7	2	5
Other diseases of the digestive system.	13	5	2	-	-	3	2	-	1	-
Congenital malformations. . . .	59	16	5	5	5	8	7	3	6	4
Injury at birth	1	-	1	-	-	-	-	-	-	-
Postnatal asphyxia and atelectasis	5	2	1	1	1	-	-	-	-	-
Hemolytic disease of newborn (erythroblastosis).	1	-	-	-	-	-	-	-	1	-
Immaturity.	5	3	1	-	1	-	-	-	-	-
Other certain diseases of early infancy	13	7	2	3	-	-	1	-	-	-
Accidents	54	10	12	7	6	6	3	3	4	3
Other defined causes.	30	4	1	4	4	3	2	3	2	7
Symptoms and ill-defined conditions.	28	5	3	7	2	5	2	2	1	1

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, 1935-1954

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	20,122	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 polioencephalitis (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 (39c)	----	----	----	----	----	----	----	----	-	-
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 and enteritis under 2 years (119)	329	13.9	387	16.4	337	14.3	246	10.5	221	9.4
Diarrhea and enteritis over 2 years (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

Rates from specific causes represent number per 100,000 estimated population.
*Rates represent number per 1,000 estimated population.
+Rates represent number per 1,000 live births.
Sources: 1935 through 1936 - Vital Statistics of the United States, Bureau of the Census annual publications, by place of occurrence;
1937 through 1954 - Oklahoma State Department of Health records, by place of residence.

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1935-1954

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

(Continued)

	1940		1941		1942		1943		1944	
Estimated population, July 1	2,333,857		2,323,549		2,313,241		2,302,933		2,292,625	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live Births*:	44,258	19.0	45,313	19.5	45,277	19.6	47,800	20.8	46,885	20.5
Physician in hospital	17,740	...	20,999	...	24,812	...	29,180	...	31,580	...
Physician in home	25,216	...	22,677	...	18,985	...	17,064	...	13,510	...
Midwife, other, or unknown	1,302	...	1,637	...	1,480	...	1,556	...	1,795	...
Stillbirths+	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	8.8	20,097	8.6	18,985	8.2	19,765	8.6	18,796	8.2
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+	1,319	29.8	1,377	30.4	1,156	25.5	1,273	26.6	1,131	24.1
Typhoid, paratyphoid fevers (1, 2)	56	2.4	35	1.5	38	1.6	23	1.0	9	0.4
Undulant fever (5)	-	-	1	0.0	5	0.2	5	0.2	2	0.1
Meningococcus meningitis (6)	12	0.5	9	0.4	10	0.4	30	1.3	16	0.7
Scarlet fever (8)	7	0.3	5	0.2	3	0.1	5	0.2	4	0.2
Whooping cough (9)	57	2.4	122	5.3	48	2.1	86	3.7	41	1.8
Diphtheria (10)	73	3.1	67	2.9	54	2.3	25	1.1	33	1.4
Tetanus (12)	26	1.1	12	0.5	9	0.4	17	0.7	10	0.4
Tuberculosis, all forms (13-22)	1,125	48.2	1,063	45.7	973	42.1	929	40.3	892	38.9
Respiratory system (13)	1,031	44.2	972	41.8	907	39.2	856	37.2	828	36.1
Tularemia (26a)	5	0.2	3	0.1	4	0.2	2	0.1	1	0.0
Dysentery (27)	73	3.1	58	2.5	81	3.5	54	2.3	59	2.6
Malaria (28)	22	0.9	53	2.3	21	0.9	30	1.3	20	0.9
Syphilis (30)	265	11.4	225	9.7	172	7.4	211	9.2	182	7.9
Influenza (33)	589	25.2	541	23.3	237	10.2	296	12.9	353	15.4
Smallpox (34)	-	-	-	-	-	-	-	-	-	-
Measles (35)	3	0.1	20	0.9	89	3.8	4	0.2	34	1.5
Acute poliomyelitis and acute polioencephalitis (36)	20	0.9	15	0.6	15	0.6	33	1.4	6	0.3
Acute infectious encephalitis (37)	12	0.5	11	0.5	8	0.3	8	0.3	7	0.3
Rocky Mountain spotted fever (39c)	2	0.1	3	0.1	2	0.1	2	0.1	2	0.1
Other infectious and parasitic diseases (3, 4, 7, 11, 23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44)	92	3.9	84	3.6	64	2.8	77	3.3	57	2.5
Cancer (45-55)	1,962	84.1	1,960	84.4	1,967	85.0	1,958	85.0	2,054	89.6
Other tumors (56-57)	97	4.2	120	5.2	117	5.1	108	4.7	124	5.4
Acute rheumatic fever (58)	39	1.7	26	1.1	22	1.0	25	1.1	23	1.0
Diabetes mellitus (61)	331	14.2	342	14.7	334	14.4	382	16.6	327	14.3
Pellagra (69)	52	2.2	58	2.5	59	2.6	48	2.1	49	2.1
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71)	70	3.0	61	2.6	74	3.2	77	3.3	80	3.5
Diseases of the blood and blood forming organs (72-76)	122	5.2	150	6.5	141	6.1	165	7.2	134	5.8
Chronic poisoning and intoxication (77-79)	40	1.7	38	1.6	24	1.0	24	1.0	31	1.4
Cerebral hemorrhage, embolism, thrombosis, softening (83)	1,892	81.1	1,814	78.1	1,922	83.1	2,041	88.6	1,856	81.0
Other diseases of nervous system and sense organs (80-82, 84-89)	375	16.1	290	12.5	276	11.9	258	11.2	264	11.5
Diseases of the heart (90-95)	3,860	165.4	4,235	182.3	4,137	178.8	4,372	189.8	4,255	185.6
Diseases of the arteries (96-99)	311	13.3	277	11.9	306	13.2	357	15.5	319	13.9
Other diseases of the circulatory system (100-103)	56	2.4	37	1.6	38	1.6	63	2.7	62	2.7
Pneumonia, all forms (107-109)	1,358	58.2	1,134	48.8	980	42.4	999	43.4	921	40.2
Other diseases of the respiratory system (104-106, 110-114)	209	9.0	199	8.6	212	9.2	226	9.8	247	10.8
Diarrhea and enteritis under 2 years (119)	231	9.9	109	4.7	127	5.5	143	6.2	161	7.0
Diarrhea and enteritis over 2 years (120)	112	4.8	66	2.8	52	2.2	77	3.3	64	2.8
Appendicitis (121)	302	12.9	257	11.1	182	7.9	164	7.1	156	6.8
Hernia, intestinal obstruction (122)	223	9.6	186	8.0	173	7.5	178	7.7	180	7.9
Cirrhosis of the liver (124)	119	5.1	96	4.1	103	4.5	115	5.0	85	3.7
Other diseases of the digestive system (115-118, 123, 125-129)	446	19.1	410	17.6	425	18.4	408	17.7	444	19.4
Nephritis (130-132)	1,467	62.9	1,316	56.6	1,161	50.2	1,258	54.6	1,148	50.1
Other diseases of the genito-urinary system (133-139)	265	11.4	259	11.1	245	10.6	229	9.9	246	10.7
Diseases of pregnancy, childbirth, and the puerperium (140-150)+	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	54.7	1,360	58.5	1,093	47.2	1,250	54.3	1,155	50.4
Senility (162)	488	20.9	450	19.4	556	24.0	612	26.6	495	21.6
Suicide (163-164)	197	8.4	207	8.9	168	7.3	151	6.6	149	6.5
Homicide (165-168)	147	6.3	135	5.8	127	5.5	99	4.3	91	4.0
Motor-vehicle accidents (170)	474	20.3	511	22.0	343	14.8	294	12.8	330	14.4
Other accidents (169, 171-195)	869	37.2	842	40.5	1,110	48.0	1,117	48.5	1,040	45.4
Other defined causes (59, 151-156, 196-198)	50	2.1	69	3.0	69	3.0	84	3.6	81	3.5
Ill-defined and unknown (199, 200)	576	24.7	522	22.5	464	20.1	537	23.3	385	16.8

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1935-1954

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

(Continued)

	1945		1946		1947		1948		1949	
Estimated population, July 1	2,282,317		2,272,009		2,261,701		2,251,393		2,241,085	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live Births*	43,405	19.0	50,043	22.0	52,691	23.3	50,428	22.4	49,971	22.3
Physician in hospital	31,194	...	38,786	...	41,424	...	40,545	...	41,078	...
Physician in home	10,729	...	9,752	...	9,832	...	8,426	...	7,507	...
Midwife, other, or unknown	1,482	...	1,505	...	1,435	...	1,457	...	1,386	...
Stillbirths+	1,097	25.3	1,093	21.8	1,043	19.8	914	18.1	860	17.2
Physician in hospital	730	...	789	...	756	...	702	...	655	...
Physician in home	339	...	273	...	254	...	179	...	167	...
Midwife, other, or unknown	28	...	31	...	33	...	33	...	38	...
Total deaths, all causes*	18,731	8.2	18,420	8.1	19,101	8.4	19,071	8.5	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	1,181	23.5	1,090	21.8
Typhoid, paratyphoid fevers (1, 2)	12	0.5	7	0.3	9	0.4	6	0.3	4	0.2
Undulant fever (5)	1	0.0	-	-	1	0.0	1	0.0	2	0.1
Meningococcus meningitis (6)	25	1.1	14	0.6	10	0.4	10	0.4	10	0.4
Scarlet fever (8)	7	0.3	6	0.3	-	-	-	-	1	0.0
Whooping cough (9)	47	2.1	25	1.1	41	1.8	46	2.0	8	0.4
Diphtheria (10)	51	2.2	26	1.1	15	0.7	16	0.7	7	0.3
Tetanus (12)	9	0.4	7	0.3	8	0.4	7	0.3	7	0.3
Tuberculosis, all forms (13-22)	823	36.1	704	31.0	707	31.3	622	27.6	549	24.5
Respiratory system (13)	770	33.7	653	28.7	664	29.4	581	25.8	509	22.7
Tularemia (26a)	4	0.2	2	0.1	1	0.0	3	0.1	1	0.0
Dysentery (27)	53	2.3	9	0.4	18	0.8	28	1.2	28	1.2
Malaria (28)	19	0.8	11	0.5	1	0.0	6	0.3	4	0.2
Syphilis (30)	173	7.6	192	8.5	176	7.8	162	7.2	142	6.3
Influenza (33)	225	9.9	190	8.4	202	8.9	119	5.3	76	3.4
Smallpox (34)	-	-	-	-	-	-	-	-	-	-
Measles (35)	4	0.2	31	1.4	-	-	7	0.3	31	1.4
Acute poliomyelitis and acute polioencephalitis (36)	13	0.6	34	1.5	2	0.1	35	1.6	109	4.9
Acute infectious encephalitis (37)	4	0.2	10	0.4	7	0.3	6	0.3	6	0.3
Rocky Mountain spotted fever (39c)	9	0.4	5	0.2	2	0.1	1	0.0	2	0.1
Other infectious and parasitic diseases (3, 4, 7, 11, 23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44)	60	2.6	68	3.0	62	2.7	52	2.3	52	2.3
Cancer (45-55)	2,212	96.9	2,224	97.9	2,354	104.1	2,490	110.6	2,519	112.4
Other tumors (56-57)	122	5.3	94	4.1	89	3.9	116	5.2	101	4.5
Acute rheumatic fever (58)	17	0.7	15	0.7	8	0.4	9	0.4	15	0.7
Diabetes mellitus (61)	356	15.6	344	15.1	353	15.6	393	17.5	443	19.8
Pellagra (69)	29	1.3	26	1.1	25	1.1	38	1.7	25	1.1
Other diseases of nutrition, endocrine glands, and avitaminoses (60, 62-68, 70-71)	79	3.5	62	2.7	66	2.9	54	2.4	59	2.6
Diseases of the blood and blood forming organs (72-76)	171	7.5	159	7.0	179	7.9	187	8.3	173	7.7
Chronic poisoning and intoxication (77-79)	16	0.7	25	1.1	22	1.0	23	1.0	24	1.1
Cerebral hemorrhage, embolism, thrombosis, softening (83)	1,911	83.7	1,991	87.6	2,018	89.2	2,014	89.5	2,100	93.7
Other diseases of nervous system and sense organs (80-82, 84-89)	234	10.3	272	12.0	254	11.2	216	9.6	226	10.1
Diseases of the heart (90-95)	4,287	187.8	4,521	199.0	4,960	219.3	5,189	230.5	5,396	240.8
Diseases of the arteries (96-99)	328	14.4	331	14.6	357	15.8	345	15.3	418	18.7
Other diseases of the circulatory system (100-103)	84	3.7	76	3.3	91	4.0	77	3.4	80	3.6
Pneumonia, all forms (107-109)	866	37.9	768	33.8	788	34.8	725	32.2	645	28.8
Other diseases of the respiratory system (104-106, 110-114)	248	10.9	245	10.8	257	11.4	217	9.6	224	10.0
Diarrhea and enteritis under 2 years (119)	113	5.0	61	2.7	57	2.5	90	4.0	73	3.3
Diarrhea and enteritis over 2 years (120)	41	1.8	38	1.7	36	1.6	29	1.3	34	1.5
Appendicitis (121)	135	5.9	94	4.1	89	3.9	85	3.8	85	3.8
Hernia, intestinal obstruction (122)	196	8.6	161	7.1	151	6.7	136	6.0	151	6.7
Cirrhosis of the liver (124)	101	4.4	132	5.8	113	5.0	154	6.8	142	6.3
Other diseases of the digestive system (115-118, 123, 125-129)	364	15.9	362	15.9	375	16.6	308	13.7	352	15.7
Nephritis (130-132)	1,114	48.8	1,019	44.9	1,011	44.7	1,034	45.9	1,067	47.6
Other diseases of the genito-urinary system (133-139)	214	9.4	214	9.4	207	9.2	200	8.9	201	9.0
Diseases of pregnancy, childbirth, and the puerperium (140-150)+	92	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	46.2	1,161	51.1	1,166	51.6	1,196	53.1	1,110	49.5
Senility (162)	491	21.5	402	17.7	414	18.3	346	15.4	287	12.8
Suicide (163-164)	154	6.7	163	7.2	143	6.3	177	7.9	180	8.0
Homicide (165-168)	133	5.8	126	5.5	148	6.5	124	5.5	127	5.7
Motor-vehicle accidents (170)	429	18.8	531	23.4	527	23.3	540	24.0	550	24.5
Other accidents (169, 171-195)	1,112	48.7	966	42.5	1,064	47.0	940	41.8	1,007	44.9
Other defined causes (59, 151-156, (196-198)	81	3.5	54	2.4	62	2.7	59	2.6	74	3.3
Ill-defined and unknown (199, 200)	400	17.5	358	15.8	367	16.2	374	16.6	348	15.5

** 145a not included until 1945.

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1935-1954

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

(Continued)

	1949		1950		1951	
Estimated population, July 1	2,241,085		2,233,351**		2,234,730	
	Number	Rate	Number	Rate	Number	Rate
Live births*	49,971	22.3	50,472	22.6	50,597	22.6
Physician in hospital	41,078	...	42,543	...	43,971	...
Physician in home	7,507	...	6,567	...	5,466	...
Midwife, other, or unknown	1,386	...	1,362	...	1,160	...
Stillbirths +	860	17.2	825	16.3	764	15.1
Physician in hospital	655	...	669	...	662	...
Physician in home	167	...	124	...	82	...
Midwife, other, or unknown	38	...	32	...	20	...
Total deaths, all causes*	19,346	8.6	19,431	8.7	20,082	9.0
Deaths under 1 year +	1,529	30.6	1,509	29.9	1,560	30.8
Deaths under 1 month +	1,090	21.8	1,067	21.1	1,120	22.1
Tuberculosis of respiratory system (001-008)	490	21.9	467	20.9	388	17.4
Tuberculosis, other forms (010-019)	38	1.7	33	1.5	34	1.5
Syphilis and its sequelae (020-029)	121	5.4	108	4.8	100	4.5
Typhoid fever (040)	3	0.1	1	0.0	2	0.1
Dysentery, all forms (045-048)	28	1.2	15	0.7	16	0.7
Scarlet fever and streptococcal sore throat (050, 051)	15	0.7	6	0.3	10	0.4
Diphtheria (055)	7	0.3	9	0.4	6	0.3
Whooping cough (056)	7	0.3	20	0.9	18	0.8
Meningococcal infections (057)	10	0.4	12	0.5	17	0.8
Acute poliomyelitis (080)	109	4.9	38	1.7	38	1.7
Smallpox (084)	-	-	-	-	-	-
Measles (085)	30	1.3	1	0.0	25	1.1
Typhus and other rickettsial diseases (100-108)	1	0.0	1	0.0	-	-
Malaria (110-117)	4	0.2	2	0.1	4	0.2
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	64	2.9	70	3.1	71	3.2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	2,558	114.1	2,682	120.1	2,843	127.2
Benign and unspecified neoplasms (210-239)	104	4.6	85	3.8	80	3.6
Diabetes mellitus (260)	298	13.3	308	13.8	312	14.0
Anemias (290-293)	60	2.7	62	2.8	73	3.3
Vascular lesions affecting central nervous system (330-334)	2,197	98.0	2,246	100.6	2,536	113.5
Nonmeningococcal meningitis (340)	34	1.5	28	1.3	27	1.2
Rheumatic fever (400-402)	22	1.0	19	0.9	18	0.8
Chronic rheumatic heart disease (410-416)	227	10.1	216	9.7	225	10.1
Arteriosclerotic and degenerative heart disease (420-422)	4,146	185.0	4,262	190.8	4,541	203.2
Other diseases of heart (430-434)	513	22.9	648	29.0	592	26.5
Hypertension with heart disease (440-443)	970	43.3	930	41.6	921	41.2
Hypertension without mention of heart (444-447)	222	9.9	221	9.9	198	8.9
Influenza (480-483)	92	4.1	214	9.6	117	5.2
Pneumonia (490-493)	560	25.0	600	26.9	518	23.2
Bronchitis (500-502)	32	1.4	38	1.7	30	1.3
Ulcer of stomach and duodenum (540, 541)	90	4.0	112	5.0	95	4.3
Appendicitis (550-553)	79	3.5	46	2.1	52	2.3
Intestinal obstruction and hernia (560, 561, 570)	167	7.5	147	6.6	150	6.7
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	121	5.4	95	4.3	87	3.9
Cirrhosis of liver (581)	115	5.1	139	6.2	149	6.7
Nephritis and nephrosis (590-594)	494	22.0	445	19.9	445	19.9
Hyperplasia of prostate (610)	120	5.4	139	6.2	134	6.0
Complications of pregnancy, childbirth and the puerperium (640-689) +	69	1.4	43	0.9	55	1.1
Congenital malformations (750-759)	243	10.8	244	10.9	274	12.3
Birth injuries, postnatal asphyxia and atelectasis (760-762)	338	15.1	342	15.3	370	16.6
Infections of the newborn (763-768)	47	2.1	54	2.4	24	1.1
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	511	22.8	515	23.1	505	22.6
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	597	26.6	527	23.7	553	24.7
All other diseases (Residual)	1,610	71.8	1,585	71.0	1,630	72.9
Motor vehicle accidents (E810-E835)	550	24.5	522	23.4	577	25.8
All other accidents (E800-E802, E840-E962)	926	41.3	828	37.1	923	41.3
Suicide and self-inflicted injury (E963, E970-E979)	180	8.0	193	8.6	184	8.2
Homicide and operations of war (E964, E965, E980-E999)	127	5.7	113	5.1	115	5.1

** Census enumeration, April 1, 1950.

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1935-1954

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

(Continued)

	1952		1953		1954	
Estimated population, July 1	2,235,839		2,236,948		2,238,057	
	Number	Rate	Number	Rate	Number	Rate
Live births*	50,146	22.4	51,275	22.9	51,457	23.0
Physician in hospital	44,796	...	46,633	...	47,259	...
Physician in home	4,300	...	3,567	...	3,289	...
Midwife, other, or unknown	1,050	...	1,075	...	909	...
Stillbirths+	767	15.3	817	15.9	787	15.3
Physician in hospital	650	...	685	...	696	...
Physician in home	98	...	110	...	71	...
Midwife, other, or unknown	19	...	22	...	20	...
Total deaths, all causes*	19,645	8.8	19,820	8.9	20,121	9.0
Deaths under 1 year+	1,441	28.7	1,466	28.6	1,394	27.1
Deaths under 1 month+	1,033	20.6	1,025	20.0	1,011	19.6
Tuberculosis of respiratory system (001-008)	299	13.4	231	10.3	222	9.9
Tuberculosis, other forms (010-019)	19	0.8	16	0.7	12	0.5
Syphilis and its sequelae (020-029)	84	3.8	83	3.7	80	3.6
Typhoid fever (040)	2	0.1	-	-	3	0.1
Dysentery, all forms (045-048)	18	0.8	20	0.9	12	0.5
Scarlet fever and streptococcal sore throat (050, 051)	2	0.1	6	0.3	6	0.3
Diphtheria (055)	2	0.1	-	-	3	0.1
Whooping cough (056)	7	0.3	9	0.4	6	0.3
Meningococcal infections (057)	19	0.8	10	0.4	10	0.4
Acute poliomyelitis (080)	45	2.0	16	0.7	23	1.0
Smallpox (084)	-	-	-	-	-	-
Measles (085)	3	0.1	16	0.7	5	0.2
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-
Malaria (110-117)	-	-	1	0.0	1	0.0
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	71	3.2	68	3.0	84	3.8
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	3,040	136.0	2,939	131.4	3,043	136.0
Benign and unspecified neoplasms (210-239)	63	2.8	52	2.3	63	2.8
Diabetes mellitus (260)	300	13.4	340	15.2	316	14.1
Anemias (290-293)	59	2.6	64	2.9	52	2.3
Vascular lesions affecting central nervous system (330-334)	2,442	109.2	2,465	110.2	2,607	116.5
Nonmeningococcal meningitis (340)	43	1.9	32	1.4	13	0.6
Rheumatic fever (400-402)	20	0.9	11	0.5	9	0.4
Chronic rheumatic heart disease (410-416)	200	8.9	157	7.0	186	8.3
Arteriosclerotic and degenerative heart disease (420-422)	4,648	207.9	4,743	212.0	4,921	219.9
Other diseases of heart (430-434)	495	22.1	575	25.7	575	25.7
Hypertension with heart disease (440-443)	850	38.0	782	35.0	854	38.2
Hypertension without mention of heart (444-447)	183	8.2	202	9.0	182	8.1
Influenza (480-483)	151	6.8	267	11.9	59	2.6
Pneumonia (490-493)	552	24.7	597	26.7	539	24.1
Bronchitis (500-502)	39	1.7	34	1.5	29	1.3
Ulcer of stomach and duodenum (540, 541)	100	4.5	99	4.4	91	4.1
Appendicitis (550-553)	60	2.7	42	1.9	42	1.9
Intestinal obstruction and hernia (560, 561, 570)	127	5.7	124	5.5	154	6.9
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	102	4.6	88	3.9	107	4.8
Cirrhosis of liver (581)	125	5.6	130	5.8	151	6.7
Nephritis and nephrosis (590-594)	390	17.4	373	16.7	369	16.5
Hyperplasia of prostate (610)	115	5.1	112	5.0	107	4.8
Complications of pregnancy, childbirth and the puerperium (640-689)+	38	0.8	37	0.7	38	0.7
Congenital malformations (750-759)	243	10.9	245	11.0	239	10.7
Birth injuries, postnatal asphyxia and atelectasis (760-762)	336	15.0	421	18.8	360	16.1
Infections of the newborn (763-768)	42	1.9	41	1.8	46	2.1
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	462	20.7	410	18.3	433	19.3
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	514	23.0	627	28.0	650	29.0
All other diseases (Residual)	1,551	69.4	1,574	70.4	1,650	73.7
Motor-vehicle accidents (E810-E835)	616	27.6	607	27.1	608	27.2
All other accidents (E800-E802, E840-E962)	873	39.0	838	37.5	892	39.9
Suicide and self-inflicted injury (E963, E970-E979)	171	7.6	195	8.7	166	7.4
Homicide and operations of war (E964, E965, E980-E999)	124	5.5	121	5.4	103	4.6

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

Cause of Death	International list Numbers		Comparability Ratio*	Adjusted Deaths									
	5th Revision	6th Revision		1940		1941		1942		1943		1944	
				Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Tuberculosis, all forms	(13-22)	(001-019)	0.9617	1,082	46.4	1,023	44.0	936	40.5	894	38.8	858	37.4
Tuberculosis, respiratory system	(13)	(001-008)	0.9627	993	42.5	936	40.3	873	37.7	824	35.8	797	34.8
Syphilis	(30)	(020-029)	0.8521	225	9.6	191	8.2	146	6.3	179	7.8	155	6.8
Influenza	(33)	(480-483)	1.2105	713	30.6	655	28.2	287	12.4	358	15.5	427	18.6
Cancer	(45-55)	(140-205)	1.0155+	1,992	85.4	1,990	85.6	1,997	86.3	1,988	86.3	2,086	91.0
Acute rheumatic fever	(58)	(400-402)	1.4667	57	2.4	38	1.6	32	1.4	37	1.6	34	1.5
Diabetes mellitus	(61)	(260)	0.6727	223	9.6	230	9.9	225	9.7	257	11.2	220	9.6
Cerebral hemorrhage, embolism, thrombosis, softening, etc.	(83)	(330-334)	1.0462	1,979	84.8	1,897	81.6	2,010	86.9	2,135	92.7	1,941	84.7
Diseases of the heart	(90-95)	(410-443)	1.0852	4,188	179.4	4,596	197.8	4,489	194.1	4,744	206.0	4,618	201.4
Pneumonia, all forms	(107-109)	(490-493)	0.8682	1,179	50.5	984	42.3	851	36.8	867	37.6	799	34.9
Appendicitis	(121)	(550-553)	0.9294	281	12.0	239	10.3	169	7.3	152	6.6	145	6.3
Cirrhosis of the liver	(124)	(581)	0.8099	96	4.1	78	3.4	83	3.6	93	4.0	69	3.0
Nephritis	(130-132)	(590-594)	0.4630	679	29.1	609	26.2	538	23.3	582	25.3	532	23.2
Congenital malformations, diseases peculiar to first year of life	(157-161)	(750-776)	1.0261	1,310	56.1	1,395	60.0	1,121	48.5	1,283	55.7	1,185	51.7
Accidents	(169-195)	(E800-E962)	0.9480	1,274	54.6	1,377	59.3	1,377	59.5	1,338	58.1	1,299	56.7

Cause of Death	International List Numbers		Comparability Ratio*	Adjusted Deaths									
	5th Revision	6th Revision		1945		1946		1947		1948		1949	
				Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Tuberculosis, all forms	(13-22)	(001-019)	0.9617	792	34.7	677	29.8	680	30.1	598	26.6	528	23.6
Tuberculosis, respiratory system	(13)	(001-008)	0.9627	741	32.5	629	27.7	639	28.3	559	24.8	490	21.9
Syphilis	(30)	(020-029)	0.8521	147	6.4	163	7.2	150	6.6	138	6.1	121	5.4
Influenza	(33)	(480-483)	1.2105	272	11.9	230	10.1	244	10.8	144	6.4	92	4.1
Cancer	(45-55)	(140-205)	1.0155+	2,246	98.4	2,258	99.4	2,390	105.7	2,529	112.3	2,558	114.1
Acute rheumatic fever	(58)	(400-402)	1.4667	25	1.1	22	1.0	12	0.5	13	0.6	22	1.0
Diabetes mellitus	(61)	(260)	0.6727	239	10.5	231	10.2	237	10.5	264	11.7	298	13.3
Cerebral hemorrhage, embolism, thrombosis, softening, etc.	(83)	(330-334)	1.0462	1,999	87.6	2,083	91.7	2,111	93.3	2,107	93.6	2,197	98.0
Diseases of the heart	(90-95)	(410-443)	1.0852	4,652	203.8	4,906	215.9	5,383	238.0	5,631	250.1	5,856	261.3
Pneumonia, all forms	(107-109)	(490-493)	0.8682	752	32.9	667	29.4	684	30.2	629	27.9	560	25.0
Appendicitis	(121)	(550-553)	0.9294	125	5.5	87	3.8	83	3.7	79	3.5	79	3.5
Cirrhosis of the liver	(124)	(581)	0.8099	82	3.6	107	4.7	92	4.1	125	5.6	115	5.1
Nephritis	(130-132)	(590-594)	0.4630	516	22.6	472	20.8	468	20.7	479	21.3	494	22.0
Congenital malformations, diseases peculiar to first year of life	(157-161)	(750-776)	1.0261	1,082	47.4	1,191	52.4	1,196	52.9	1,227	54.5	1,139	50.8
Accidents	(169-195)	(E800-E962)	0.9480	1,461	64.0	1,419	62.5	1,508	66.7	1,403	62.3	1,476	65.9

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

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

Interchanged

TABLE C. RECORDED BIRTHS, STILLBIRTHS, DEATHS, INFANT AND NEONATAL DEATHS, NUMBER AND RATE, BY COUNTY, OKLAHOMA, 1954

County	BIRTHS		STILLBIRTHS		DEATHS		NEONATAL DEATHS		INFANT DEATHS	
	Number	Rate**	Number	Rate+	Number	Rate**	Number	Rate+	Number	Rate+
ENTIRE STATE	51,992	23.2	802	15.4	19,716	8.8	1,371	26.4	996	19.2
Adair	151	10.1	2	13.2	108	7.2	3	19.9	3	19.9
Alfalfa	101	10.9	3	29.7	71	7.7	1	9.9	1	9.9
Atoka	87	6.1	1	11.5	63	4.4	2	23.0	1	11.5
Beaver	88	12.8	1	11.4	51	7.4	-	-	-	-
Beckham	514	24.0	8	15.6	189	8.8	18	35.0	13	25.3
Blaine	260	19.2	1	3.8	131	9.7	4	15.4	2	7.7
Bryan	480	16.6	9	18.8	265	9.1	9	18.8	7	14.6
Caddo	502	15.6	6	12.0	241	7.5	17	33.9	9	17.9
Canadian	309	12.4	2	6.5	195	7.8	6	19.4	3	9.7
Carter	1,044	28.6	14	13.4	331	9.1	23	22.0	14	13.4
Cherokee	617	32.5	10	16.2	144	7.6	8	13.0	6	9.7
Choctaw	468	22.9	4	8.5	196	9.6	9	19.2	7	15.0
Cimarron	99	19.8	2	20.2	20	4.0	2	20.2	1	10.1
Cleveland	724	15.3	6	8.3	370	7.8	9	12.4	7	9.7
Coal	158	19.6	3	19.0	56	7.0	4	25.3	4	25.3
Comanche	3,225	52.0	50	15.5	416	6.7	91	28.2	66	20.5
Cotton	81	9.0	3	37.0	59	6.5	6	74.1	5	61.7
Craig	294	16.1	6	20.4	333	18.2	7	23.8	4	13.6
Creek	595	15.7	11	18.5	308	8.1	13	21.8	5	8.4
Custer	779	38.5	10	12.8	294	14.5	21	27.0	14	18.0
Delaware	66	4.5	3	45.5	99	6.7	2	30.3	1	15.2
Dewey	15	2.0	-	-	37	5.0	1	66.7	-	-
Ellis	132	19.3	4	30.3	79	11.5	4	30.3	4	30.3
Garfield	1,762	31.5	15	8.5	574	10.3	38	21.6	30	17.0
Garvin	816	28.3	19	23.3	207	7.2	16	19.6	8	9.8
Grady	596	18.5	7	11.7	291	9.0	17	28.5	11	18.5
Grant	3	0.3	-	-	43	4.6	1	333.3	1	333.3
Greer	148	14.0	2	13.5	95	9.0	2	13.5	2	13.5
Harmon	75	10.3	1	13.3	45	6.2	2	26.7	1	13.3
Harper	26	4.5	1	38.5	26	4.5	-	-	-	-
Haskell	156	11.7	-	-	83	6.2	-	-	-	-
Hughes	364	21.4	5	13.7	164	9.6	11	30.2	7	19.2
Jackson	597	31.5	7	11.7	146	7.7	8	13.4	6	10.1
Jefferson	133	14.1	2	15.0	57	6.0	5	37.6	3	22.6
Johnston	63	5.9	-	-	37	3.5	2	31.7	2	31.7
Kay	1,179	23.7	12	10.2	453	9.1	33	28.0	25	21.2
Kingfisher	269	23.0	1	3.7	92	7.9	3	11.2	3	11.2
Kiowa	261	15.1	1	3.8	132	7.6	6	23.0	5	19.2
Latimer	308	31.8	5	16.2	122	12.6	3	9.7	3	9.7
LeFlore	454	12.9	8	17.6	227	6.4	8	17.6	6	13.2
Lincoln	380	20.1	8	21.1	183	9.7	6	15.8	4	10.5
Logan	357	17.1	3	8.4	247	11.8	13	36.4	6	16.8
Love	65	8.4	1	15.4	49	6.3	2	30.8	1	15.4
McClain	245	19.2	5	20.4	96	7.5	3	12.2	2	8.2
McCurtain	253	8.0	3	11.9	169	5.4	12	47.4	5	19.8
McIntosh	207	13.7	2	9.7	109	7.2	4	19.3	1	4.8
Major	57	6.0	-	-	54	5.6	1	17.5	-	-
Marshall	115	14.1	5	43.5	58	7.1	1	8.7	1	8.7
Mayes	263	13.3	5	19.0	163	8.3	3	11.4	2	7.6
Murray	195	18.1	6	30.8	157	14.6	8	41.0	7	35.9
Muskogee	1,297	19.8	27	20.8	910	13.9	50	38.6	34	26.2
Noble	152	13.8	5	32.9	103	9.3	4	26.3	4	26.3
Nowata	228	17.9	5	21.9	106	8.3	3	13.2	3	13.2
Okfuskee	230	17.7	5	21.7	140	10.8	13	56.5	10	43.5
Oklahoma	10,527	29.3	169	16.1	3,457	9.6	337	32.0	260	24.7
Okmulgee	860	20.4	12	14.0	456	10.8	37	43.0	21	24.4
Osage	495	16.8	8	16.2	226	7.7	13	26.3	9	18.2
Ottawa	594	19.4	4	6.7	307	10.0	10	16.8	9	15.2
Pawnee	325	27.1	4	12.3	136	11.3	7	21.5	5	15.4
Payne	1,172	23.1	12	10.2	310	6.1	24	20.5	15	12.8
Pittsburg	997	26.5	20	20.1	336	8.9	26	26.1	22	22.1
Pontotoc	732	23.7	15	20.5	287	9.3	13	17.8	10	13.7
Pottawatomie	959	24.7	9	9.4	407	10.5	19	19.8	15	15.6
Pushmataha	110	9.2	3	27.3	73	6.1	3	27.3	2	18.2
Roger Mills	28	4.7	-	-	36	6.0	1	35.7	1	35.7
Rogers	621	31.8	9	14.5	220	11.3	16	25.8	9	14.5
Seminole	604	18.9	6	9.9	224	7.0	17	28.1	9	14.9
Sequoyah	328	16.6	5	15.2	111	5.6	11	33.5	9	27.4
Stephens	1,018	28.8	13	12.8	247	7.0	15	14.7	11	10.8
Texas	306	19.0	3	9.8	85	5.3	3	9.8	3	9.8
Tillman	234	14.4	5	21.4	125	7.7	7	29.9	2	8.5
Tulsa	8,106	29.3	153	18.9	2,446	8.8	233	28.7	180	22.2
Wagoner	256	17.5	2	7.8	106	7.2	9	35.2	7	27.3
Washington	945	27.9	17	18.0	266	7.9	21	22.2	18	19.0
Washita	125	8.0	2	16.0	91	5.8	2	16.0	2	16.0
Woods	252	17.5	-	-	118	8.2	6	23.8	4	15.9
Woodward	355	24.7	6	16.9	252	17.5	3	8.5	3	8.5

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

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES
NUMBER AND RATE, BY RACE, OKLAHOMA, 1954

	Total		White		Negro		Indian	
Estimated population, July 1, 1954	2,238,057		2,038,785		145,503		53,769	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total deaths, all causes#.	20,121	9.0	17,735	8.7	1,829	12.6	557	10.4
Tuberculosis of respiratory system (001-008)	222	9.9	152	7.5	19	13.1	51	94.9
Tuberculosis of meninges and central nervous system (010)	2	0.1	-	-	-	-	2	3.7
Tuberculosis of intestines, peritoneum and mesenteric glands (011)	-	-	-	-	-	-	-	-
Tuberculosis of bones and joints (012, 013)	1	0.0	1	0.0	-	-	-	-
Tuberculosis, all other forms (014-019)	9	0.4	4	0.2	3	2.1	2	3.7
Congenital syphilis (020)	2	0.1	-	-	2	1.4	-	-
Early syphilis (021)	-	-	-	-	-	-	-	-
Tabes dorsalis (024)	2	0.1	1	0.0	-	-	1	1.9
General paralysis of insane (025)	13	0.6	12	0.6	1	0.7	-	-
All other syphilis (022, 023, 026-029)	63	2.8	44	2.2	18	12.4	1	1.9
Gonococcal infection (030-035)	2	0.1	1	0.0	-	-	1	1.9
Typhoid fever (040)	3	0.1	2	0.1	-	-	1	1.9
Paratyphoid fever and other Salmonella infections (041, 042)	1	0.0	1	0.0	-	-	-	-
Cholera (043)	-	-	-	-	-	-	-	-
Brucellosis (undulant fever) (044)	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	12	0.5	7	0.3	2	1.4	3	5.6
Scarlet fever (050)	1	0.0	-	-	1	0.7	-	-
Streptococcal sore throat (051)	5	0.2	5	0.2	-	-	-	-
Erysipelas (052)	1	0.0	1	0.0	-	-	-	-
Septicemia and pyemia (053)	21	0.9	20	1.0	1	0.7	-	-
Diphtheria (055)	3	0.1	3	0.1	-	-	-	-
Whooping cough (056)	6	0.3	4	0.2	2	1.4	-	-
Meningococcal infections (057)	10	0.4	10	0.5	-	-	-	-
Plague (058)	-	-	-	-	-	-	-	-
Leprosy (060)	-	-	-	-	-	-	-	-
Tetanus (061)	5	0.2	-	-	5	3.4	-	-
Anthrax (062)	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	23	1.0	22	1.1	1	0.7	-	-
Acute infectious encephalitis (082)	10	0.4	7	0.3	2	1.4	1	1.9
Late effects of acute poliomyelitis and acute infectious encephalitis (081, 083)	5	0.2	5	0.2	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-
Measles (085)	5	0.2	4	0.2	-	-	1	1.9
Yellow fever (091)	-	-	-	-	-	-	-	-
Infectious hepatitis (092)	9	0.4	7	0.3	1	0.7	1	1.9
Rabies (094)	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-
Malaria (110-117)	1	0.0	1	0.0	-	-	-	-
Schistosomiasis (123)	-	-	-	-	-	-	-	-
Hydatid disease (125)	-	-	-	-	-	-	-	-
Filariasis (127)	-	-	-	-	-	-	-	-
Ankylostomiasis (129)	-	-	-	-	-	-	-	-
Other diseases due to helminths (124, 126, 128, 130)	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (036-039, 049, 054, 059, 063-074, 086-090, 093, 095, 096, 120-122, 131-138)	30	1.3	24	1.2	4	2.7	2	3.7
Malignant neoplasm of buccal cavity and pharynx (140-148)	72	3.2	71	3.5	-	-	1	1.9
Malignant neoplasm of esophagus (150)	43	1.9	41	2.0	1	0.7	1	1.9
Malignant neoplasm of stomach (151)	302	13.5	266	13.0	28	19.2	8	14.9
Malignant neoplasm of intestine, except rectum (152, 153)	304	13.6	282	13.8	17	11.7	5	9.3
Malignant neoplasm of rectum (154)	105	4.7	94	4.6	10	6.9	1	1.9
Malignant neoplasm of larynx (161)	20	0.9	20	1.0	-	-	-	-
Malignant neoplasm of trachea, and of bronchus and lung not specified as secondary (162, 163)	312	13.9	297	14.6	13	8.9	2	3.7
Malignant neoplasm of breast (170)	220	9.8	201	9.9	17	11.7	2	3.7
Malignant neoplasm of cervix uteri (171)	120	5.4	103	5.1	10	6.9	7	13.0
Malignant neoplasm of other and unspecified parts of uterus (172-174)	106	4.7	91	4.5	14	9.6	1	1.9
Malignant neoplasm of prostate (177)	195	8.7	172	8.4	19	13.1	4	7.4
Malignant neoplasm of skin (190, 191)	69	3.1	67	3.3	2	1.4	-	-
Malignant neoplasm of bone and connective tissue (196, 197)	46	2.1	43	2.1	3	2.1	-	-

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

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES
NUMBER AND RATE, BY RACE, OKLAHOMA, 1954
(Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasm of all other and unspecified sites (155-160, 164, 165, 175, 176, 178-181, 192-195, 198, 199)	847	37.8	794	38.9	35	24.1	18	33.5
Leukemia and aleukemia (204)	163	7.3	157	7.7	4	2.7	2	3.7
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic system (200-203, 205)	119	5.3	110	5.4	8	5.5	1	1.9
Benign neoplasms and neoplasms of unspecified nature (210-239)	63	2.8	54	2.6	9	6.2	-	-
Nontoxic goiter (250, 251)	1	0.0	1	0.0	-	-	-	-
Thyrotoxicosis with or without goiter (252)	8	0.4	6	0.3	-	-	2	3.7
Diabetes mellitus (260)	316	14.1	274	13.4	24	16.5	18	33.5
Avitaminosis and other deficiency states (280-286)	23	1.0	21	1.0	2	1.4	-	-
Anemias (290-293)	52	2.3	47	2.3	5	3.4	-	-
Allergic disorders; all other endocrine, metabolic and blood diseases (240-245, 253, 254, 270-277, 287-289, 294-299)	121	5.4	109	5.3	12	8.2	-	-
Psychoses (300-309)	55	2.5	49	2.4	4	2.7	2	3.7
Psychoneuroses and disorders of personality (310-324, 326)	29	1.3	18	0.9	5	3.4	6	11.2
Mental deficiency (325)	1	0.0	1	0.0	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	2,607	116.5	2,341	114.8	230	158.1	36	67.0
Nonmeningococcal meningitis (340)	13	0.6	11	0.5	1	0.7	1	1.9
Multiple sclerosis (345)	17	0.8	16	0.8	1	0.7	-	-
Epilepsy (353)	34	1.5	28	1.4	6	4.1	-	-
Inflammatory diseases of eye (370-379)	1	0.0	-	-	1	0.7	-	-
Cataract (385)	1	0.0	1	0.0	-	-	-	-
Glaucoma (387)	1	0.0	1	0.0	-	-	-	-
Otitis media and mastoiditis (391-393)	5	0.2	3	0.1	1	0.7	1	1.9
All other diseases of the nervous system and sense organs (331-344, 350-352, 354-369, 380-384, 386, 388-390, 394-398)	174	7.8	150	7.4	22	15.1	2	3.7
Rheumatic fever (400-402)	9	0.4	8	0.4	1	0.7	-	-
Chronic rheumatic heart disease (410-416)	186	8.3	167	8.2	13	8.9	6	11.2
Arteriosclerotic and degenerative heart disease (420-422)	4,921	219.9	4,621	226.7	227	156.0	73	135.8
Other diseases of heart (430-434)	575	25.7	468	23.0	88	60.5	19	35.3
Hypertension with heart disease (440-443)	854	38.2	704	34.5	127	87.3	23	42.8
Hypertension without mention of heart (444-447)	182	8.1	143	7.0	36	24.7	3	5.6
Diseases of arteries (450-456)	510	22.8	467	22.9	31	21.3	12	22.3
Other diseases of circulatory system (460-468)	69	3.1	61	3.0	7	4.8	1	1.9
Acute upper respiratory infections (470-475)	17	0.8	12	0.6	4	2.7	1	1.9
Influenza (480-483)	59	2.6	45	2.2	11	7.6	3	5.6
Lobar pneumonia (490)	167	7.5	134	6.6	24	16.5	9	16.7
Bronchopneumonia (491)	161	7.2	135	6.6	22	15.1	4	7.4
Primary atypical, other and unspecified pneumonia (492, 493)	211	9.4	175	8.6	20	13.7	16	29.8
Acute bronchitis (500)	8	0.4	5	0.2	1	0.7	2	3.7
Bronchitis, chronic and unqualified (501, 502)	21	0.9	18	0.9	2	1.4	1	1.9
Hypertrophy of tonsils and adenoids (510)	5	0.2	4	0.2	1	0.7	-	-
Empyema and abscess of lung (518, 521)	17	0.8	13	0.6	3	2.1	1	1.9
Pleurisy (519)	2	0.1	2	0.1	-	-	-	-
All other respiratory diseases (511-517, 520, 522-527)	125	5.6	119	5.8	6	4.1	-	-
Diseases of teeth and supporting structures (530-535)	5	0.2	5	0.2	-	-	-	-
Ulcer of stomach (540)	46	2.1	39	1.9	6	4.1	1	1.9
Ulcer of duodenum (541)	45	2.0	44	2.2	1	0.7	-	-
Gastritis and duodenitis (543)	7	0.3	3	0.1	4	2.7	-	-
Appendicitis (550-553)	42	1.9	36	1.8	5	3.4	1	1.9
Intestinal obstruction and hernia (560, 561, 570)	154	6.9	132	6.5	19	13.1	3	5.6
Gastro-enteritis and colitis, except diarrhea of the newborn (571, 572)	100	4.5	64	3.1	25	17.2	11	20.5
Cirrhosis of liver (581)	151	6.7	135	6.6	10	6.9	6	11.2
Cholelithiasis and cholecystitis (584, 585)	77	3.4	67	3.3	6	4.1	4	7.4

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES
NUMBER AND RATE, BY RACE, OKLAHOMA, 1954
(Continued)

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Other diseases of digestive system (536-539, 542, 544, 545, 573-580, 582, 583, 586, 587)	130	5.8	101	5.0	22	15.1	7	13.0
Acute nephritis (590)	21	0.9	17	0.8	4	2.7	-	-
Chronic, other and unspecified nephritis (591-594)	348	15.5	265	13.0	74	50.9	9	16.7
Infections of kidney (600)	55	2.5	48	2.4	5	3.4	2	3.7
Calculi of urinary system (602, 604)	24	1.1	23	1.1	1	0.7	-	-
Hyperplasia of prostate (610)	107	4.8	95	4.7	12	8.2	-	-
Diseases of breast (620, 621)	1	0.0	-	-	1	0.7	-	-
Other diseases of genito-urinary system (601, 603, 605-609, 611-617, 622-637)	50	2.2	39	1.9	10	6.9	1	1.9
Sepsis of pregnancy, childbirth and the puerperium (640, 641, 681, 682, 684)	8	0.4	6	0.3	2	1.4	-	-
Toxemias of pregnancy and the puerperium (642, 652, 685, 686)	9	0.4	5	0.2	2	1.4	2	3.7
Hemorrhage of pregnancy and childbirth (643, 644, 670-672)	11	0.5	6	0.3	4	2.7	1	1.9
Abortion without mention of sepsis or toxemia (650)	4	0.2	1	0.0	2	1.4	1	1.9
Abortion with sepsis (651)	-	-	-	-	-	-	-	-
Other complications of pregnancy, childbirth and the puerperium (645-649, 660, 673-680, 683, 687-689)	6	0.3	4	0.2	-	-	2	3.7
Infections of skin and subcutaneous tissue (690-698)	3	0.1	2	0.1	1	1.4	-	-
Arthritis and spondylitis (720-725)	48	2.1	41	2.0	6	4.1	1	1.9
Muscular rheumatism and rheumatism, unspecified (726, 727)	5	0.2	4	0.2	1	1.4	-	-
Osteomyelitis and periostitis (730)	3	0.1	2	0.1	1	1.4	-	-
Ankylosis and acquired musculoskeletal deformities (737, 745-749)	-	-	-	-	-	-	-	-
All other diseases of skin and musculo-skeletal system (700-716, 731-736, 738-744)	33	1.5	27	1.3	5	3.4	1	1.9
Spina bifida and meningocele (751)	16	0.7	16	0.8	-	-	-	-
Congenital malformations of circulatory system (754)	111	5.0	101	5.0	7	4.8	3	5.6
All other congenital malformations (750, 752, 753, 755-759)	112	5.0	101	5.0	7	4.8	4	7.4
Birth injuries (760, 761)	153	6.8	128	6.3	22	15.1	3	5.6
Postnatal asphyxia and atelectasis (762)	207	9.2	178	8.7	20	13.7	9	16.7
Infections of the newborn (763-768)	46	2.1	32	1.6	12	8.2	2	3.7
Hemolytic disease of newborn (770)	32	1.4	32	1.6	-	-	-	-
All other defined diseases of early infancy (769, 771, 772)	32	1.4	22	1.1	7	4.8	3	5.6
Ill-defined diseases peculiar to early infancy, and immaturity unqualified (773-776)	369	16.5	324	15.9	35	24.1	10	18.6
Senility without mention of psychosis (794)	171	7.6	138	6.8	28	19.2	5	9.3
Ill-defined and unknown causes of mortality (780-793, 795)	479	21.4	362	17.8	89	61.2	28	52.1
Motor-vehicle accidents (E810-E835)	608	27.2	541	26.5	28	19.2	39	72.5
Other transport accidents (E800-E802, E811-E866)	50	2.2	43	2.1	4	2.7	3	5.6
Accidental poisoning (E870-E895)	36	1.6	31	1.5	3	2.1	2	3.7
Accidental falls (E900-E904)	221	9.9	207	10.2	9	6.2	5	9.3
Accident caused by machinery (E912)	28	1.3	26	1.3	2	1.4	-	-
Accident caused by fire and explosion of combustible material (E916)	100	4.5	75	3.7	23	15.8	2	3.7
Accident caused by hot substance, corrosive liquid, steam, and radiation (E917, E918)	12	0.5	10	0.5	2	1.4	-	-
Accident caused by firearm (E919)	35	1.6	27	1.3	6	4.1	2	3.7
Accidental drowning and submersion (E929)	81	3.6	66	3.2	11	7.6	4	7.4
All other accidental causes (E910, E911, E913-E915, E920-E928, E930-E962)	329	14.7	265	13.0	53	36.4	11	20.5
Suicide and self-inflicted injury (E963, E970-E979)	166	7.4	157	7.7	7	4.8	2	3.7
Homicide and injury purposely inflicted by other persons (not in war) (E964, E965, E980-E985)	103	4.6	63	3.1	35	24.1	5	9.3
Injury resulting from operations of war (E990-E999)	-	-	-	-	-	-	-	-

TABLE II. RESIDENT BIRTHS, DEATHS, AND DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES
NUMBER AND RATE, BY RACE, OKLAHOMA, 1954

	Total		White		Negro		Indian	
Estimated population, July 1, 1954	2,238,057		2,038,785		145,503		53,769	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live births*.	51,457	23.0	45,333	22.2	4,013	27.6	2,111	39.3
Physician in hospital	47,259	...	42,532	...	2,773	...	1,954	...
Physician in maternity home	168	...	154	...	10	...	4	...
Physician in home	3,121	...	2,428	...	583	...	110	...
Midwife, other, or unknown.	909	...	219	...	647	...	43	...
Stillbirths+.	787	15.3	638	14.1	107	26.7	42	19.9
Physician in hospital	696	...	579	...	76	...	41	...
Physician in maternity home	3	...	3	...	-	...	-	...
Physician in home	68	...	49	...	18	...	1	...
Midwife, other, or unknown.	20	...	7	...	13	...	-	...
Total deaths, all causes*	20,121	9.0	17,735	8.7	1,829	12.6	557	10.4
Deaths under 1 year+.	1,394	27.1	1,100	24.3	221	55.1	73	34.6
Deaths under 1 month+	1,011	19.6	857	18.9	124	30.9	30	14.2
Tuberculosis of respiratory system (001-008)	222	9.9	192	7.5	19	13.1	51	94.9
Tuberculosis, other forms (010-019)	12	0.5	5	0.2	3	2.1	4	7.4
Syphilis and its sequelae (020-029)	80	3.6	57	2.8	21	14.4	2	3.7
Typhoid fever (040)	3	0.1	2	0.1	-	-	1	1.9
Dysentery, all forms (045-048).	12	0.5	7	0.3	2	1.4	3	5.6
Scarlet fever and streptococcal sore throat (050, 051).	6	0.3	5	0.2	1	0.7	-	-
Diphtheria (055).	3	0.1	3	0.1	-	-	-	-
Whooping cough (056).	6	0.3	4	0.2	2	1.4	-	-
Meningococcal infections (057).	10	0.4	10	0.5	-	-	-	-
Acute poliomyelitis (080)	23	1.0	22	1.1	1	0.7	-	-
Smallpox (084).	-	-	-	-	-	-	-	-
Measles (085)	5	0.2	4	0.2	-	-	1	1.9
Typhus and other rickettsial diseases (100-108).	-	-	-	-	-	-	-	-
Malaria (110-117)	1	0.0	1	0.0	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-071, 081-083, 086-096, 120-138).	84	3.8	66	3.2	13	8.9	5	9.3
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	3,043	136.0	2,809	137.8	181	124.4	53	98.6
Benign and unspecified neoplasms (210-239).	63	2.8	54	2.6	9	6.2	-	-
Diabetes mellitus (260)	316	14.1	274	13.4	24	16.5	18	33.5
Anemias (290-293)	52	2.3	47	2.3	5	3.4	-	-
Vascular lesions affecting central nervous system (330-334).	2,607	116.5	2,341	114.8	230	158.1	36	67.0
Nonmeningococcal meningitis (340)	13	0.6	11	0.5	1	0.7	1	1.9
Rheumatic fever (400-402)	9	0.4	8	0.4	1	0.7	-	-
Chronic rheumatic heart disease (410-416) .	186	8.3	167	8.2	13	8.9	6	11.2
Arteriosclerotic and degenerative heart disease (420-422)	4,921	219.9	4,621	226.7	227	156.0	73	135.8
Other diseases of heart (430-434)	575	25.7	468	23.0	88	60.5	19	35.3
Hypertension with heart disease (440-443) .	854	38.2	704	34.5	127	87.3	23	42.8
Hypertension without mention of heart (444-447)	182	8.1	143	7.0	36	24.7	3	5.6
Influenza (480-483)	59	2.6	45	2.2	11	7.6	3	5.6
Pneumonia (490-493)	539	24.1	444	21.8	66	45.4	29	53.9
Bronchitis (500-502).	29	1.3	23	1.1	3	2.1	3	5.6
Ulcer of stomach and duodenum (540, 541). .	91	4.1	83	4.1	7	4.8	1	1.9
Appendicitis (550-553).	42	1.9	36	1.8	5	3.4	1	1.9
Intestinal obstruction and hernia (560, 561, 570)	154	6.9	132	6.5	19	13.1	3	5.6
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	107	4.8	67	3.3	29	19.9	11	20.5
Cirrhosis of liver (581).	151	6.7	135	6.6	10	6.9	6	11.2
Nephritis and nephrosis (590-594)	369	16.5	282	13.8	78	53.6	9	16.7
Hyperplasia of prostate (610)	107	4.8	95	4.7	12	8.2	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	38	0.7	22	0.5	10	2.5	6	2.8
Congenital malformations (750-759). . . .	239	10.7	218	10.7	14	9.6	7	13.0
Birth injuries, postnatal asphyxia and atelectasis (760-762)	360	16.1	306	15.0	42	28.9	12	22.3
Infections of the newborn (763-768)	46	2.1	32	1.6	12	8.2	2	3.7
Other diseases peculiar to early infancy, and immaturity unqualified (769-776). . .	433	19.3	378	18.5	42	28.9	13	24.2
Senility without mention of psychosis, ill-defined and unknown causes (780-795). . .	650	29.0	500	24.5	117	80.4	33	61.4
All other diseases (Residual)	1,650	73.7	1,441	70.7	165	113.4	44	81.8
Motor-vehicle accidents (E810-E835)	608	27.2	541	26.5	28	19.2	39	72.5
All other accidents (E800-E802, E840-E962).	892	39.9	750	36.8	113	77.7	29	53.9
Suicide and self-inflicted injury (E963, E970-E979).	166	7.4	157	7.7	7	4.8	2	3.7
Homicide and operations of war (E964, E965, E980-E999).	103	4.6	63	3.1	35	24.1	5	9.3

See notes on Table A.

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES
BY RACE, SEX, AND AGE, OKLAHOMA, 1954

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.	10,511	7,224	983	846	304	253	641	459	115	106	40	33
Tuberculosis of respiratory system (001-008)	110	42	13	6	28	23	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	5	-	1	2	3	1	-	-	-	1	1	-
Syphilis and its sequelae (020-029)	44	13	12	9	-	2	-	-	2	-	-	-
Typhoid fever (040)	-	2	-	-	1	-	-	-	-	-	-	-
Dysentery, all forms (045-048).	6	1	2	-	2	1	2	-	2	-	1	1
Scarlet fever and streptococcal sore throat (050, 051).	4	1	1	-	-	-	-	-	-	-	-	-
Diphtheria (055).	2	1	-	-	-	-	-	-	-	-	-	-
Whooping cough (056).	1	3	-	2	-	-	1	3	-	2	-	-
Meningococcal infections (057).	5	5	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	13	9	1	-	-	-	-	-	1	-	-	-
Smallpox (084).	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	3	-	-	1	-	-	-	-	-	-	-
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, 059-071, 081-083, 086-096, 120-138).	41	25	10	3	5	-	5	3	2	3	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	1,470	1,339	87	94	24	29	3	-	-	-	-	-
Benign and unspecified neoplasms (210-239).	25	29	3	6	-	-	-	1	-	-	-	-
Diabetes mellitus (260)	108	166	6	18	6	12	-	-	-	-	-	-
Anemias (290-293)	19	28	1	4	-	-	2	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334).	1,197	1,144	101	129	22	14	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	9	2	1	-	-	1	1	1	-	-	-	1
Rheumatic fever (400-402)	4	4	1	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416) .	88	79	8	5	2	4	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	3,079	1,542	128	99	52	21	1	-	-	-	-	-
Other diseases of heart (430-434)	311	157	49	39	12	7	1	1	-	-	-	-
Hypertension with heart disease (440-443) .	355	349	61	66	11	12	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	68	75	17	19	1	2	-	-	-	-	-	-
Influenza (480-483)	26	19	4	7	1	2	1	1	1	3	-	-
Pneumonia (490-493)	251	193	38	28	9	20	28	21	11	12	5	10
Bronchitis (500-502).	15	8	2	1	1	2	1	2	1	1	-	2
Ulcer of stomach and duodenum (540, 541). .	71	12	5	2	-	1	-	-	-	1	-	-
Appendicitis (550-553).	19	17	3	2	-	1	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	75	57	8	11	-	3	6	4	3	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	32	35	18	11	3	8	12	9	11	6	2	4
Cirrhosis of liver (581).	82	53	7	3	2	4	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	165	117	39	39	8	1	-	1	-	1	-	-
Hyperplasia of prostate (610)	95	-	12	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689).	-	22	-	10	-	6	-	-	-	-	-	-
Congenital malformations (750-759). . . .	120	98	11	3	4	3	93	71	11	3	3	2
Birth injuries, postnatal asphyxia and atelectasis (760-762)	181	125	22	20	8	4	181	125	22	19	8	4
Infections of the newborn (763-768)	17	15	6	6	2	-	17	15	6	6	2	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776). . .	229	149	21	21	10	3	229	149	21	21	10	3
Senility without mention of psychosis, ill-defined and unknown causes (780-795). . .	308	192	73	44	15	18	11	15	7	11	4	4
All other diseases (Residual)	783	658	92	73	16	28	15	17	5	5	1	1
Motor-vehicle accidents (E810-E835)	413	128	24	4	31	8	2	1	-	-	-	-
All other accidents (E800-E802, E840-E962).	487	263	60	53	20	9	29	18	9	11	3	1
Suicide and self-inflicted injury (E963, E970-E979).	128	29	6	1	1	1	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999).	48	15	29	6	4	1	-	1	-	-	-	-

*Unknown as to age included in "All Ages" column but are not shown separately.

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1954
(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	119	85	17	18	10	5	53	42	9	6	6	3
Tuberculosis of respiratory system (001-008)	-	-	-	-	1	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	2	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	-	-	-	-	-	-	-	-	-	1	-
Scarlet fever and streptococcal sore throat (050, 051)	3	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	2	1	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	3	-	-	-	-	2	1	-	-	-	-
Acute poliomyelitis (080)	4	-	-	-	-	-	1	4	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	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)	7	2	1	-	-	-	1	1	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	13	6	-	1	-	-	6	9	-	1	1	-
Benign and unspecified neoplasms (210-239)	1	-	-	-	-	-	1	-	-	-	-	-
Diabetes mellitus (260)	-	-	-	-	-	-	-	-	-	-	-	-
Anemias (290-293)	2	1	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	-	-	-	-	-	-	-	-	-	1	-	-
Nonmeningococcal meningitis (340)	1	-	-	-	-	-	2	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	2	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	1	-	-	-	2	-	-	1	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	1	1	-	-	1	-	-	-	-	-	-	-
Pneumonia (490-493)	6	9	7	2	1	3	3	2	1	1	-	-
Bronchitis (500-502)	1	1	-	-	-	-	1	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	1	-	-	-	-	-	-	2	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	-	-	-	-	-	-	1	1	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	3	1	2	1	1	-	-	-	-	-	1
Cirrhosis of liver (581)	1	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	1	1	-	-	-	-	-	-	-	-	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	6	13	-	-	-	-	2	2	-	-	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	1	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	-	2	2	1	-	-	1	1	-	-	-
All other diseases (Residual)	19	13	1	2	-	-	2	8	1	1	-	1
Motor-vehicle accidents (E810-E835)	14	12	-	-	-	-	12	3	2	-	1	1
All other accidents (E800-E802, E810-E962)	25	18	5	8	1	-	18	5	3	-	1	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	-	-	-	-	-	-	-	-	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1954
(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	62	29	9	1	1	2	95	42	8	6	2	3
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	1	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	1	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	1	-	-	-	-	2	1	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	1	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	1	-	1	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	7	3	1	-	-	-	5	4	-	-	-	-
Benign and unspecified neoplasms (210-239)	-	1	-	-	-	-	-	1	-	-	-	-
Diabetes mellitus (260)	1	1	-	-	-	-	-	3	-	2	-	-
Anemias (290-293)	1	1	-	-	-	-	-	-	-	1	-	-
Vascular lesions affecting central nervous system (330-334)	1	-	-	-	-	-	-	1	-	-	-	-
Nonmeningococcal meningitis (340)	1	1	-	-	-	-	1	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	1	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	1	-	-	-	-	1	2	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	1	1	-	-	-	-	2	1	-	-	-	-
Other diseases of heart (430-434)	-	-	-	-	-	-	1	-	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	1	2	1	-	-	-	-	2	-	-	-	1
Bronchitis (500-502)	-	1	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	1	-	-	-	-	-	2	1	1	-	-	1
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	2	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	1	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	1	-	-	-	-	-	1	-	-	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	4	-	1	-	-
Congenital malformations (750-759)	-	1	-	-	-	-	2	1	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	1	1	-	-	-	1	3	-	-	-	-	-
All other diseases (Residual)	9	2	2	1	-	-	4	2	1	2	-	-
Motor-vehicle accidents (E810-E835)	8	4	-	-	-	-	51	17	2	-	-	-
All other accidents (E800-E802, E810-E962)	23	4	3	-	1	1	15	-	2	-	1	1
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	1	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	2	1	2	-	-	-	-	-	1	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1954 (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.	119	43	9	9	6	9	252	134	38	25	21	20
Tuberculosis of respiratory system (001-008)	-	-	-	-	1	4	5	4	2	2	2	4
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	1
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	-	-	-	-	-	2	3	-	-	-	-
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	-	-	-	-	-	-	1	-	-	2	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	12	6	-	1	-	-	21	28	2	2	-	-
Benign and unspecified neoplasms (210-239)	-	1	-	-	-	-	4	2	-	-	-	-
Diabetes mellitus (260)	1	-	-	-	-	-	5	4	-	-	-	-
Anemias (290-293)	-	1	-	-	-	-	-	-	-	1	-	-
Vascular lesions affecting central nervous system (330-334)	2	2	-	-	-	-	3	8	-	1	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	2	-	1	-	-	8	4	1	1	-	2
Arteriosclerotic and degenerative heart disease (420-422)	1	-	-	-	-	-	18	4	2	1	-	-
Other diseases of heart (430-434)	1	1	-	-	-	-	2	4	3	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	1	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	2	-	-
Influenza (480-483)	-	-	-	-	-	-	2	-	-	-	-	-
Pneumonia (490-493)	-	2	-	-	-	-	3	2	-	-	-	1
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	-	-	-	-	-	4	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	1	-	-	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	-	-	-	-	-	-	1	-	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	1
Cirrhosis of liver (581)	-	-	-	-	-	-	3	1	-	-	-	1
Nephritis and nephrosis (590-594)	1	-	1	-	1	-	5	3	2	-	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	4	-	2	-	2	-	10	-	3	-	4
Congenital malformations (750-769)	1	3	-	-	-	-	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)	-	3	-	-	-	-	4	3	1	1	1	1
All other diseases (Residual)	5	8	1	3	1	1	15	17	5	6	-	2
Motor-vehicle accidents (E810-E835)	60	7	-	1	2	2	71	14	5	-	12	2
All other accidents (E800-E802, E840-E962)	23	1	3	1	-	-	49	7	7	2	3	-
Suicide and self-inflicted injury (E963, E970-E979)	4	1	2	-	-	-	15	8	1	-	-	1
Homicide and operations of war (E964, E965, E980-E999)	1	1	2	-	1	-	9	2	7	1	-	1

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES BY RACE, SEX, AND AGE, OKLAHOMA, 1954 (Continued)

Cause of Death	35-44 Years						45-54 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes.	419	256	36	53	22	22	915	471	112	109	41	14
Tuberculosis of respiratory system (001-008)	7	9	-	1	3	-	24	3	4	2	4	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	1	-	1	-	-	-
Syphilis and its sequelae (020-029)	-	1	-	1	-	-	10	2	1	4	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	1	-	-	-	-
Dysentery, all forms (045-048)	1	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	3	5	1	-	-	-	3	3	2	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	54	100	2	8	-	6	140	202	13	23	4	3
Benign and unspecified neoplasms (210-239)	2	8	-	2	-	-	7	4	-	1	-	-
Diabetes mellitus (260)	1	-	-	-	-	-	12	10	-	3	3	-
Anemias (290-293)	-	5	-	-	-	-	-	1	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	13	18	1	3	1	1	53	38	8	17	2	3
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	1	-	-	-	-	-	1	-	-	-	-
Chronic rheumatic heart disease (410-416)	12	10	-	1	1	1	15	12	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	97	15	5	4	1	1	311	55	16	14	9	2
Other diseases of heart (430-434)	16	6	1	3	1	2	29	8	9	6	2	-
Hypertension with heart disease (440-443)	3	4	2	3	1	-	19	12	8	7	-	1
Hypertension without mention of heart (444-447)	-	2	2	3	-	-	5	4	5	3	1	-
Influenza (480-483)	3	-	-	1	-	-	2	1	2	-	-	-
Pneumonia (490-493)	5	5	1	1	-	2	15	7	2	1	1	-
Bronchitis (500-502)	-	-	-	-	-	-	-	1	1	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	2	-	-	-	-	12	1	1	1	-	-
Appendicitis (550-553)	-	1	-	-	-	-	4	2	-	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	-	-	3	-	-	6	5	1	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	-	-	-	-	-	1	1	-	1	-	-
Cirrhosis of liver (581)	6	5	-	-	1	1	16	6	-	-	-	1
Nephritis and nephrosis (590-594)	8	4	-	4	-	1	13	9	1	6	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	1	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	4	-	3	-	-	-	-	-	1	-	-
Congenital malformations (750-759)	2	3	-	-	-	1	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)	10	2	4	2	1	-	23	12	6	4	2	1
All other diseases (Residual)	42	24	1	6	1	5	43	38	15	7	4	1
Motor-vehicle accidents (E810-E835)	45	8	5	1	5	1	57	16	2	2	7	-
All other accidents (E800-E802, E840-E962)	46	5	4	1	5	-	52	8	4	2	1	1
Suicide and self-inflicted injury (E963, E970-E979)	19	6	-	-	-	-	28	5	2	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	17	3	7	2	1	-	9	3	7	2	1	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES
BY RACE, SEX, AND AGE, OKLAHOMA, 1954
(Continued)

Cause of Death	55-64 Years						65-74 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	1,709	817	148	124	41	42	2,485	1,585	217	165	63	39
Tuberculosis of respiratory system (001-008)	24	9	2	-	3	6	37	9	2	-	6	3
Tuberculosis, other forms (010-019)	1	-	-	1	-	1	1	-	-	-	-	-
Syphilis and its sequelae (020-029)	11	1	4	2	-	1	16	4	3	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	1	-	-	1	-
Dysentery, all forms (045-048)	1	-	-	-	-	-	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)	-	-	-	-	-	-	-	-	-	-	-	-
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	2	-	-	2	-	7	3	2	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	336	290	18	20	2	6	443	332	24	21	9	7
Benign and unspecified neoplasms (210-239)	3	3	1	1	-	-	3	4	-	2	-	-
Diabetes mellitus (260)	18	24	1	4	1	3	39	58	3	7	1	8
Anemias (290-293)	1	1	-	1	-	-	3	7	1	-	-	-
Vascular lesions affecting central nervous system (330-334)	134	97	26	28	5	3	327	293	37	35	10	2
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	2	-	1	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	18	15	1	1	-	1	20	19	2	-	1	-
Arteriosclerotic and degenerative heart disease (420-422)	664	159	21	22	16	6	888	389	41	28	20	5
Other diseases of heart (430-434)	55	17	10	5	1	2	75	35	11	5	1	1
Hypertension with heart disease (440-443)	53	30	16	10	1	1	84	105	17	22	5	3
Hypertension without mention of heart (444-447)	9	8	2	2	-	-	18	9	3	2	-	-
Influenza (480-483)	-	1	-	1	-	-	4	2	-	-	-	-
Pneumonia (490-493)	26	7	1	2	-	-	48	27	3	1	1	1
Bronchitis (500-502)	4	-	-	-	-	-	3	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	17	2	2	-	-	-	24	2	2	-	-	-
Appendicitis (550-553)	1	5	-	-	-	-	4	2	1	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	8	9	-	2	-	2	17	12	2	1	-	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	1	2	-	-	-	5	4	1	-	-	-
Cirrhosis of liver (581)	18	17	4	1	-	1	20	12	2	1	1	-
Nephritis and nephrosis (590-594)	27	11	2	7	1	-	40	30	12	9	1	-
Hyperplasia of prostate (610)	7	-	-	-	-	-	18	-	5	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	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)	43	10	11	2	2	3	61	29	18	6	1	5
All other diseases (Residual)	109	60	12	9	2	4	185	143	17	15	2	2
Motor-vehicle accidents (E810-E835)	39	22	3	-	3	2	31	19	2	-	-	-
All other accidents (E800-E802, E840-E962)	43	9	5	2	1	-	37	32	5	9	2	1
Suicide and self-inflicted injury (E963, E970-E979)	24	4	-	1	-	-	19	2	-	-	1	-
Homicide and operations of war (E964, E965, E980-E999)	6	3	3	-	1	-	3	-	-	1	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES
BY RACE, SEX, AND AGE, OKLAHOMA, 1954
(Continued)

Cause of Death	75-84 Years						85 Years and Over					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	2,613	2,197	186	142	36	40	1,021	1,055	76	82	14	21
Tuberculosis of respiratory system (001-008)	9	7	2	1	7	5	3	1	1	-	-	-
Tuberculosis, other forms (010-019)	2	-	-	-	-	-	-	2	-	-	-	-
Syphilis and its sequelae (020-029)	7	3	2	2	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	1	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	1	-	-	-	-	-
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)	6	3	1	-	-	-	2	2	-	-	1	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	328	285	22	12	5	7	102	72	5	5	2	-
Benign and unspecified neoplasms (210-239)	2	2	2	-	-	-	2	2	-	-	-	-
Diabetes mellitus (260)	24	51	2	-	1	1	7	14	-	2	-	-
Anemias (290-293)	7	9	-	1	-	-	3	2	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	489	454	23	26	4	5	174	232	4	18	-	-
Nonmeningococcal meningitis (340)	1	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	1	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	8	9	2	1	-	-	5	5	2	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	813	637	30	20	4	3	281	280	13	10	2	4
Other diseases of heart (430-434)	80	50	11	15	3	1	50	34	4	5	2	1
Hypertension with heart disease (440-443)	136	147	14	18	3	5	60	49	4	6	1	2
Hypertension without mention of heart (444-447)	26	37	4	5	-	-	10	15	1	2	-	2
Influenza (480-483)	8	8	-	-	-	1	5	5	1	2	-	1
Pneumonia (490-493)	77	64	8	5	1	1	39	43	3	3	-	1
Bronchitis (500-502)	5	3	-	-	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	11	4	-	-	-	1	1	1	-	-	-	-
Appendicitis (550-553)	5	2	1	-	-	-	-	2	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	17	21	-	-	-	-	13	4	1	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	9	10	1	1	-	1	1	6	2	1	-	1
Cirrhosis of liver (581)	15	9	1	1	-	-	3	3	-	-	-	-
Nephritis and nephrosis (590-594)	51	39	15	9	2	-	17	17	6	3	1	-
Hyperplasia of prostate (610)	44	-	3	-	-	-	26	-	3	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	2	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	93	53	13	6	2	2	56	63	10	10	1	1
All other diseases (Residual)	227	200	19	8	3	6	107	126	12	8	2	5
Motor-vehicle accidents (E810-E835)	18	3	2	-	-	-	5	2	1	-	1	-
All other accidents (E800-E802, E840-E962)	80	81	6	11	-	1	44	73	3	6	1	3
Suicide and self-inflicted injury (E963, E970-E979)	14	2	1	-	-	-	4	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	1	-	-	-	-	-	-	-	-	-	-

TABLE IV. LEADING CAUSES OF DEATH, NUMBER AND PER CENT, BY RACE, BY AGE GROUP, OKLAHOMA, 1954

Cause of Death	All Races		White		Negro		Indian	
	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total
All Ages	20,121		17,735		1,829		557	
Diseases of the heart (440-443)	6,536	32.5	5,960	33.6	455	24.9	121	21.7
Malignant neoplasms (140-205)	3,043	15.1	2,809	15.8	181	9.9	53	9.5
Vascular lesions of CNS (330-334)	2,607	13.0	2,341	13.2	230	12.6	36	6.5
Accidents (E800-E962)	1,500	7.5	1,291	7.3	141	7.7	68	12.2
Certain diseases of early infancy (760-776)	839	4.2	716	4.0	96	5.2	27	4.8
Influenza and pneumonia (480-493)	598	3.0	489	2.8	77	4.2	32	5.7
Diseases of arteries (450-456)	510	2.5	467	2.6	31	1.7	12	2.2
Nephritis and nephrosis (590-594)	369	1.8	282	1.6	78	4.3	9	1.6
Diabetes mellitus (260)	316	1.6	274	1.5	24	1.3	18	3.2
Congenital malformations (750-759)	239	1.2	218	1.2	14	0.8	7	1.3
Ages 0 - 4	1,648		1,304		256		88	
Certain diseases of early infancy (760-776)	839	50.9	716	54.9	96	37.5	27	30.7
Congenital malformations (750-759)	202	12.3	183	14.0	14	5.5	5	5.7
Accidents (E800-E962)	157	9.5	119	9.1	33	12.9	5	5.7
Influenza and pneumonia (480-493)	124	7.5	68	5.2	36	14.1	20	22.7
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	53	3.2	25	1.9	20	7.8	8	9.1
Malignant neoplasms (140-205)	23	1.4	22	1.7	1	0.4	-	-
Intestinal obstruction and hernia (560, 561, 570)	15	0.9	12	0.9	3	1.2	-	-
Bronchitis (500-502)	9	0.5	5	0.4	2	0.8	2	2.3
Ages 5 - 14	223		186		25		12	
Accidents (E800-E962)	90	40.4	77	41.4	8	32.0	5	41.7
Malignant neoplasms (140-205)	28	12.6	25	13.4	2	8.0	1	8.3
Influenza and pneumonia (480-493)	11	4.9	8	4.3	3	12.0	-	-
Acute poliomyelitis (080)	8	3.6	8	4.3	-	-	-	-
Congenital malformations (750-759)	6	2.7	5	2.7	-	-	1	8.3
Meningococcal infections (057)	5	2.2	5	2.7	-	-	-	-
Homicide (E964, E980-E985)	5	2.2	3	1.6	2	8.0	-	-
Ages 15 - 24	351		299		32		20	
Accidents (E800-E962)	189	53.8	174	58.2	9	28.1	6	30.0
Malignant neoplasms (140-205)	28	8.0	27	9.0	1	3.1	-	-
Diseases of the heart (410-443)	14	4.0	13	4.3	1	3.1	-	-
Complications of pregnancy, childbirth, and the puerperium (640-689)	13	3.7	8	2.7	3	9.4	2	10.0
Suicide (E963, E970-E979)	8	2.3	6	2.0	2	6.3	-	-
Congenital malformations (750-759)	7	2.0	7	2.3	-	-	-	-
Ages 25 - 34	490		386		63		41	
Accidents (E800-E962)	172	35.1	141	36.5	14	22.2	17	41.5
Malignant neoplasms (140-205)	53	10.8	49	12.7	4	6.3	-	-
Diseases of the heart (410-443)	51	10.4	41	10.6	8	12.7	2	4.9
Suicide (E963, E970-E979)	25	5.1	23	6.0	1	1.6	1	2.4
Homicide (E964, E980-E985)	20	4.1	11	2.8	8	12.7	1	2.4
Tuberculosis, all forms (001-019)	19	3.9	9	2.3	4	6.3	6	14.6
Complications of pregnancy, childbirth and the puerperium (640-689)	17	3.5	10	2.6	3	4.8	4	9.8
Vascular lesions of CNS (330-334)	12	2.4	11	2.8	1	1.6	-	-
Ages 35 - 44	808		675		89		44	
Diseases of the heart (410-443)	190	23.5	163	24.1	19	21.3	8	18.2
Malignant neoplasms (140-205)	170	21.0	154	22.8	10	11.2	6	13.6
Accidents (E800-E962)	126	15.6	104	15.4	11	12.4	11	25.0
Vascular lesions of CNS (330-334)	37	4.6	31	4.6	4	4.5	2	4.5
Homicide (E964, E980-E985)	30	3.7	20	3.0	9	10.1	1	2.3
Suicide (E963, E970-E979)	25	3.1	25	3.7	-	-	-	-
Tuberculosis, all forms (001-019)	20	2.5	16	2.4	1	1.1	3	6.8
Influenza and pneumonia (480-493)	18	2.2	13	1.9	3	3.4	2	4.5
Ages 45 - 64	4,543		3,912		493		138	
Diseases of the heart (410-443)	1,660	36.5	1,472	37.6	146	29.6	42	30.4
Malignant neoplasms (140-205)	1,057	23.3	968	24.7	74	15.0	15	10.9
Vascular lesions of CNS (330-334)	411	9.1	322	8.2	79	16.0	13	9.4
Accidents (E800-E962)	281	6.2	246	6.3	20	4.1	15	10.9
Tuberculosis, all forms (001-019)	87	1.9	62	1.6	10	2.0	15	10.9
Diabetes mellitus (260)	79	1.7	64	1.6	8	1.6	7	5.1
Nephritis and nephrosis (590-594)	77	1.7	60	1.5	16	3.2	1	0.7
Influenza and pneumonia (480-493)	69	1.5	59	1.5	9	1.8	1	0.7
Ages 65 and over	12,037		10,956		868		213	
Diseases of the heart (410-443)	4,607	38.3	4,259	38.9	281	32.4	67	31.5
Vascular lesions of CNS (330-334)	2,133	17.7	1,969	18.0	143	16.5	21	9.9
Malignant neoplasms (140-205)	1,681	14.0	1,562	14.3	89	10.3	30	14.1
Accidents (E800-E962)	479	4.0	425	3.9	45	5.2	9	4.2
Diseases of arteries (450-456)	457	3.8	426	3.9	22	2.5	9	4.2
Influenza and pneumonia (480-493)	363	3.0	330	3.0	26	3.0	7	3.3
Nephritis and nephrosis (590-594)	252	2.1	194	1.8	54	6.2	4	1.9
Diabetes mellitus (260)	218	1.8	193	1.8	14	1.6	11	5.2

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954

	ADAIR					ALFALFA					ATOKA				
	Total	Race				Total	Race				Total	Race			
Estimated population, July 1, 1954	14,918	Wh.	Neg.	Ind.		9,241	Wh.	Neg.	Ind.		14,269	Wh.	Neg.	Ind.	
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	321	21.5	181	-	140	170	18.4	170	-	-	239	16.7	208	15	16
Physician in hospital	266	...	139	-	127	169	...	169	-	-	149	...	133	2	14
Physician in home	32	...	29	-	3	1	...	1	-	-	78	...	70	7	1
Midwife, other, or unknown	23	...	13	-	10	-	...	-	-	-	12	...	5	6	1
Stillbirths+	4	12.5	2	-	2	2	11.8	2	-	-	2	8.4	2	-	-
Physician in hospital	3	...	1	-	2	2	...	2	-	-	2	...	2	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	1	...	1	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes	138	9.3	101	-	37	111	12.0	111	-	-	93	6.5	83	8	2
Deaths under 1 year+	7	21.8	5	-	2	5	29.4	5	-	-	6	25.1	5	1	-
Deaths under 1 month+	6	18.7	5	-	1	5	29.4	5	-	-	4	16.7	4	-	-
Tuberculosis of respiratory system (001-008)	10	67.0	1	-	9	1	10.8	1	-	-	1	7.0	1	-	-
Tuberculosis, other forms (010-019)	1	6.7	-	-	1	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	6.7	1	-	-	1	10.8	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	10.8	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, 059-071, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	11	73.7	7	-	4	16	173.1	16	-	-	14	98.1	11	3	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	7.0	1	-	-
Diabetes mellitus (260)	3	20.1	2	-	1	2	21.6	2	-	-	2	14.0	-	2	-
Anemias (290-293)	-	-	-	-	-	1	10.8	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	14	93.8	10	-	4	17	184.0	17	-	-	7	49.1	7	-	-
Nonmeningococcal meningitis (320)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	6.7	-	-	1	1	10.8	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	33	221.2	28	-	5	26	281.4	26	-	-	24	168.2	24	-	-
Other diseases of heart (430-434)	3	20.1	3	-	-	5	54.1	5	-	-	1	7.0	1	-	-
Hypertension with heart disease (440-443)	6	40.2	5	-	1	5	54.1	5	-	-	8	56.1	7	1	-
Hypertension without mention of heart (444-447)	5	33.5	5	-	-	1	10.8	1	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	1	10.8	1	-	-	-	-	-	-	-
Pneumonia (490-493)	5	33.5	4	-	1	2	21.6	2	-	-	2	14.0	2	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	2	13.4	2	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	1	10.8	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	3	32.5	3	-	-	2	14.0	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	1	7.0	1	-	-
Nephritis and nephrosis (590-594)	3	20.1	3	-	-	1	10.8	1	-	-	-	-	-	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	2	14.0	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	1	3.1	-	-	1	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	3	20.1	3	-	-	1	10.8	1	-	-	1	7.0	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	6.7	1	-	-	1	10.8	1	-	-	2	14.0	2	-	-
Infections of the newborn (763-768)	2	13.4	2	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	20.1	2	-	1	3	32.5	3	-	-	2	14.0	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	20.1	2	-	1	2	21.6	2	-	-	6	42.0	4	-	2
All other diseases (Residual)	17	114.0	15	-	2	10	108.2	10	-	-	4	28.0	3	1	-
Motor-vehicle accidents (E810-E835)	5	33.5	1	-	4	1	10.8	1	-	-	4	28.0	4	-	-
All other accidents (E800-E802, E840-E962)	3	20.1	2	-	1	7	75.7	7	-	-	9	63.1	8	1	-
Suicide and self-inflicted injury (E963, E970-E979)	1	6.7	1	-	-	1	10.8	1	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	6.7	1	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	BEAVER					BECKHAM					BLAINE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	6,884		Wh.	Neg.	Ind.	21,397		Wh.	Neg.	Ind.	13,566		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	127	18.4	127	-	-	380	17.8	365	14	1	293	21.6	235	23	35
Physician in hospital	120	...	120	-	-	371	...	357	13	1	267	...	222	14	31
Physician in home	6	...	6	-	-	8	...	8	-	-	22	...	13	6	3
Midwife, other, or unknown	1	...	1	-	-	1	...	-	1	-	4	...	-	3	1
Stillbirths+	4	31.5	4	-	-	9	23.7	8	1	-	2	6.8	1	-	1
Physician in hospital	4	...	4	-	-	9	...	8	1	-	2	...	1	-	1
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	63	9.2	63	-	-	189	8.8	183	6	-	163	12.0	131	13	19
Deaths under 1 year+	1	7.9	1	-	-	11	28.9	11	-	-	6	20.5	3	-	3
Deaths under 1 month+	-	-	-	-	-	10	26.3	10	-	-	3	10.2	2	-	1
Tuberculosis of respiratory system (001-008)	1	14.5	1	-	-	1	4.7	1	-	-	2	14.7	-	-	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	3	22.1	1	1	1
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	1	7.4	-	-	1
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	1	7.4	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	4.7	1	-	-	2	14.7	-	-	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	9	130.7	9	-	-	21	98.1	20	1	-	30	221.1	26	3	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	1	14.5	1	-	-	2	9.3	2	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	6	87.2	6	-	-	25	116.8	22	3	-	21	154.8	21	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	14.5	1	-	-	5	23.4	5	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	20	290.5	20	-	-	55	257.0	54	1	-	46	339.1	35	6	5
Other diseases of heart (430-434)	3	43.6	3	-	-	3	14.0	3	-	-	1	7.4	-	1	-
Hypertension with heart disease (440-443)	7	101.7	7	-	-	16	74.8	16	-	-	2	14.7	2	-	-
Hypertension without mention of heart (444-447)	1	14.5	1	-	-	2	9.3	2	-	-	1	7.4	1	-	-
Influenza (480-483)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Pneumonia (490-493)	1	14.5	1	-	-	11	51.4	11	-	-	6	44.2	4	-	2
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	3	14.0	3	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	14.5	1	-	-	-	-	-	-	-	2	14.7	2	-	-
Cirrhosis of liver (581)	1	14.5	1	-	-	2	9.3	2	-	-	1	7.4	-	1	-
Nephritis and nephrosis (590-594)	-	-	-	-	-	4	18.7	4	-	-	-	-	-	-	-
Hyperplasia of prostate (610)	2	29.1	2	-	-	2	9.3	2	-	-	1	7.4	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	1	2.6	1	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	1	4.7	1	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	4	18.7	4	-	-	2	14.7	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	5	23.4	5	-	-	1	7.4	-	-	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	29.1	2	-	-	-	-	-	-	-	2	14.7	2	-	-
All other diseases (Residual)	3	43.6	3	-	-	7	32.7	7	-	-	17	125.3	16	-	1
Motor-vehicle accidents (E810-E835)	1	14.5	1	-	-	10	46.7	10	-	-	7	51.6	6	-	1
All other accidents (E800-E802, E840-E962)	2	29.1	2	-	-	6	28.0	5	1	-	10	73.7	9	-	1
Suicide and self-inflicted injury (E963, E970-E979)	1	14.5	1	-	-	-	-	-	-	-	2	14.7	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	2	14.7	-	1	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	BRYAN					CADDO					CANADIAN				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	28,999		Wh.	Neg.	Ind.	32,087		Wh.	Neg.	Ind.	24,926		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	530	18.3	508	8	14	685	21.3	530	32	123	462	18.5	418	23	21
Physician in hospital	420	...	407	3	10	573	...	447	12	114	444	...	404	21	19
Physician in home	110	...	101	5	4	91	...	77	8	6	16	...	13	2	1
Midwife, other, or unknown	-	...	-	-	-	21	...	6	12	3	2	...	1	-	1
Stillbirths+	11	20.8	10	1	-	12	17.5	10	2	-	4	8.7	4	-	-
Physician in hospital	9	...	8	1	-	8	...	6	2	-	4	...	4	-	-
Physician in home	2	...	2	-	-	4	...	4	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	316	10.9	300	11	5	327	10.2	282	13	32	226	9.1	203	19	4
Deaths under 1 year+	16	30.2	15	1	-	24	35.0	13	1	10	8	17.3	8	-	-
Deaths under 1 month+	12	22.6	12	-	-	14	20.4	11	1	2	5	10.8	5	-	-
Tuberculosis of respiratory system (001-008)	3	10.3	1	-	2	6	18.7	2	-	4	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	4.0	1	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	2	6.2	-	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	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)	-	-	-	-	-	2	6.2	2	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	42	144.8	39	3	-	53	165.2	47	1	5	36	144.4	35	1	-
Benign and unspecified neoplasms (210-239)	1	3.4	1	-	-	1	3.1	-	1	-	1	4.0	1	-	-
Diabetes mellitus (260)	6	20.7	6	-	-	6	18.7	4	-	2	4	16.0	4	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	38	131.0	35	2	1	29	90.4	27	1	1	21	84.2	19	2	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	4	12.5	4	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	102	351.7	99	2	1	80	249.3	79	-	1	74	296.9	67	6	1
Other diseases of heart (430-434)	10	34.5	9	-	1	12	37.4	11	1	-	2	8.0	1	1	-
Hypertension with heart disease (440-443)	19	65.5	18	1	-	18	56.1	16	1	1	7	28.1	7	-	-
Hypertension without mention of heart (444-447)	4	13.8	4	-	-	3	9.3	3	-	-	2	8.0	-	2	-
Influenza (480-483)	1	3.4	1	-	-	2	6.2	2	-	-	-	-	-	-	-
Pneumonia (490-493)	5	17.2	5	-	-	5	15.6	3	-	2	11	44.1	11	-	-
Bronchitis (500-502)	-	-	-	-	-	2	6.2	-	-	2	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	3	10.3	3	-	-	-	-	-	-	-	1	4.0	-	-	1
Appendicitis (550-553)	2	6.9	2	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	4	13.8	4	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	3.4	-	1	-	2	6.2	1	-	1	-	-	-	-	-
Cirrhosis of liver (581)	4	13.8	4	-	-	1	3.1	1	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	7	24.1	7	-	-	9	28.0	9	-	-	1	4.0	1	-	-
Hyperplasia of prostate (610)	1	3.4	1	-	-	5	15.6	5	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	1	1.5	-	1	-	-	-	-	-	-
Congenital malformations (750-759)	2	6.9	2	-	-	5	15.6	2	-	3	1	4.0	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	5	17.2	5	-	-	6	18.7	6	-	-	2	8.0	2	-	-
Infections of the newborn (763-768)	1	3.4	1	-	-	-	-	-	-	-	1	4.0	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	5	17.2	5	-	-	5	15.6	3	1	1	1	4.0	1	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	16	55.2	15	1	-	10	31.2	8	1	1	12	48.1	12	-	-
All other diseases (Residual)	11	37.9	11	-	-	31	96.6	25	2	4	31	124.4	23	6	2
Motor-vehicle accidents (E810-E835)	8	27.6	8	-	-	12	37.4	9	1	2	8	32.1	8	-	-
All other accidents (E800-E802, E840-E962)	9	31.0	9	-	-	12	37.4	11	1	-	6	24.1	5	1	-
Suicide and self-inflicted injury (E963, E970-E979)	5	17.2	4	1	-	1	3.1	1	-	-	2	8.0	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	3.4	1	-	-	1	3.1	-	-	1	1	4.0	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	CARTER					CHEROKEE					CHOCTAW				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	36,455		Wh.	Neg.	Ind.	18,989		Wh.	Neg.	Ind.	20,405		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*.	1038	28.5	914	102	22	380	20.0	265	10	105	316	15.5	216	86	14
Physician in hospital	923	...	831	70	22	349	...	246	2	101	194	...	163	18	13
Physician in home	96	...	81	15	-	18	...	12	5	1	52	...	44	7	1
Midwife, other, or unknown.	19	...	2	17	-	13	...	7	3	3	70	...	9	61	-
Stillbirths*.	16	15.4	12	4	-	5	13.2	4	-	1	3	9.5	1	2	-
Physician in hospital	13	...	11	2	-	4	...	3	-	1	1	...	1	-	-
Physician in home	3	...	1	2	-	1	...	1	-	-	1	...	-	1	-
Midwife, other, or unknown.	-	...	-	-	-	-	...	-	-	-	1	...	-	1	-
Total deaths, all causes*.	362	9.9	310	45	7	137	7.2	104	10	23	194	9.5	155	32	7
Deaths under 1 year+.	28	27.0	22	6	-	5	13.2	4	1	-	6	19.0	6	-	-
Deaths under 1 month+	18	17.3	15	3	-	4	10.5	3	1	-	5	15.8	5	-	-
Tuberculosis of respiratory system (001-008)	3	8.2	2	1	-	2	10.5	1	-	1	7	34.3	6	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	2	5.5	2	-	-	-	-	-	-	-	1	4.9	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057).	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138).	1	2.7	1	-	-	1	5.3	1	-	-	2	9.8	2	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	58	159.1	54	4	-	21	110.6	17	2	2	24	117.6	21	1	2
Benign and unspecified neoplasms (210-239).	3	8.2	1	2	-	1	5.3	1	-	-	2	9.8	1	1	-
Diabetes mellitus (260)	3	8.2	3	-	-	2	10.5	1	-	1	6	29.4	4	2	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334).	48	131.7	43	2	3	18	94.8	14	-	4	34	166.6	29	4	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	4.9	-	1	-
Rheumatic fever (400-402)	1	2.7	1	-	-	-	-	-	-	-	1	4.9	1	-	-
Chronic rheumatic heart disease (410-416)	4	11.0	1	3	-	1	5.3	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	94	257.9	85	9	-	33	173.8	28	1	4	30	147.0	28	1	1
Other diseases of heart (430-434)	9	24.7	6	2	1	4	21.1	2	1	1	14	68.6	9	5	-
Hypertension with heart disease (440-443)	12	32.9	10	2	-	8	42.1	5	-	3	13	63.7	10	1	2
Hypertension without mention of heart (444-447)	3	8.2	2	1	-	2	10.5	1	-	1	1	4.9	1	-	-
Influenza (480-483)	1	2.7	-	-	1	1	5.3	1	-	-	-	-	-	-	-
Pneumonia (490-493)	13	35.7	12	1	-	7	36.9	5	1	1	3	14.7	2	1	-
Bronchitis (500-502).	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541).	-	-	-	-	-	-	-	-	-	-	1	4.9	1	-	-
Appendicitis (550-553).	-	-	-	-	-	-	-	-	-	-	1	4.9	-	1	-
Intestinal obstruction and hernia (560, 561, 570)	4	11.0	4	-	-	1	5.3	1	-	-	1	4.9	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	5.3	1	-	-	-	-	-	-	-
Cirrhosis of liver (581).	3	8.2	3	-	-	-	-	-	-	-	2	9.8	2	-	-
Nephritis and nephrosis (590-594)	8	21.9	7	1	-	4	21.1	2	1	1	3	14.7	-	3	-
Hyperplasia of prostate (610)	2	5.5	2	-	-	-	-	-	-	-	1	4.9	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+.	-	-	-	-	-	1	2.6	1	-	-	-	-	-	-	-
Congenital malformations (750-759).	3	8.2	3	-	-	1	5.3	1	-	-	1	4.9	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	7	19.2	7	-	-	2	10.5	2	-	-	2	9.8	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776).	8	21.9	5	3	-	2	10.5	1	1	-	2	9.8	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795).	9	24.7	6	3	-	2	10.5	1	1	-	12	58.8	7	5	-
All other diseases (Residual)	25	68.6	20	4	1	11	57.9	7	2	2	18	88.2	16	2	-
Motor-vehicle accidents (E810-E835)	16	43.9	14	1	1	5	26.3	3	-	2	3	14.7	3	-	-
All other accidents (E800-E802, E840-E962).	19	52.1	13	6	-	4	21.1	4	-	-	6	29.4	3	3	-
Suicide and self-inflicted injury (E963, E970-E979).	1	2.7	1	-	-	2	10.5	2	-	-	1	4.9	1	-	-
Homicide and operations of war (E964, E965, E980-E999).	-	-	-	-	-	-	-	-	-	-	1	4.9	-	1	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	CIMARRON					CLEVELAND					COAL				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	4,988		Wh.	Neg.	Ind.	47,274		Wh.	Neg.	Ind.	8,056		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*.	111	22.3	111	-	-	980	20.7	970	2	8	126	15.6	115	1	10
Physician in hospital	111	...	111	-	-	973	...	963	2	8	117	...	105	1	8
Physician in home	-	...	-	-	-	3	...	3	-	-	9	...	8	-	1
Midwife, other, or unknown.	-	...	-	-	-	4	...	4	-	-	3	...	2	-	1
Stillbirths*.	-	-	-	-	-	10	10.2	10	-	-	2	15.9	2	-	-
Physician in hospital	-	...	-	-	-	9	...	9	-	-	2	...	2	-	-
Physician in home	-	...	-	-	-	1	...	1	-	-	-	...	-	-	-
Midwife, other, or unknown.	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*.	29	5.8	29	-	-	261	5.5	256	1	4	54	6.7	51	3	-
Deaths under 1 year+.	5	45.0	5	-	-	27	27.6	26	-	1	1	7.9	1	-	-
Deaths under 1 month+	2	18.0	2	-	-	21	21.4	20	-	1	1	7.9	1	-	-
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138).	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	5	100.2	5	-	-	31	65.6	30	1	-	13	161.4	13	-	-
Benign and unspecified neoplasms (210-239).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	-	-	-	-	-	3	6.3	3	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334).	2	40.1	2	-	-	45	95.2	44	-	1	12	149.0	12	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	3	6.3	3	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	8	160.4	8	-	-	75	158.6	75	-	-	14	173.8	14	-	-
Other diseases of heart (430-434)	1	20.0	1	-	-	1	2.1	1	-	-	-	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	9	19.0	9	-	-	1	12.4	1	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-
Pneumonia (490-493)	-	-	-	-	-	6	12.7	6	-	-	-	-	-	-	-
Bronchitis (500-502).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541).	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-
Appendicitis (550-553).	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	20.0	1	-	-	2	4.2	2	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	20.0	1	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581).	-	-	-	-	-	4	8.5	4	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	40.1	2	-	-	2	4.2	2	-	-	3	37.2	3	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+.	-	-	-	-	-	1	1.0	1	-	-	-	-	-	-	-
Congenital malformations (750-759).	1	20.0	1	-	-	6	12.7	6	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	20.0	1	-	-	8	16.9	7	-	1	1	12.4	1	-	-
Infections of the newborn (763-768)	1	20.0	1	-	-	2	4.2	2	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776).	-	-	-	-	-	6	12.7	6	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795).	-	-	-	-	-	3	6.3	2	-	1	1	12.4	1	-	-
All other diseases (Residual)	4	80.2	4	-	-	26	55.0	25	-	1	5	62.1	5	-	-
Motor-vehicle accidents (E810-E835)	2	40.1	2	-	-	6	12.7	6	-	-	-	-	-	-	-
All other accidents (E800-E802, E840-E962).	-	-	-	-	-	11	23.3	11	-	-	4	49.7	1	3	-
Suicide and self-inflicted injury (E963, E970-E979).	-	-	-	-	-	4	8.5	4	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999).	-	-	-	-	-	1	2.1	1	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	COMANCHE					COTTON					CRAIG				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	62,041		Wh.	Neg.	Ind.	9,032		Wh.	Neg.	Ind.	18,263		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	1839	29.6	1537	187	115	162	17.9	137	9	16	296	16.2	270	18	8
Physician in hospital	1685	...	1469	101	115	145	...	128	1	16	286	...	261	17	8
Physician in home	116	...	63	53	-	14	...	9	5	-	9	...	9	-	-
Midwife, other, or unknown	38	...	5	33	-	3	...	-	3	-	1	...	-	1	-
Stillbirths+	37	20.1	29	6	2	5	30.9	4	1	-	4	13.5	4	-	-
Physician in hospital	35	...	28	5	2	4	...	3	1	-	4	...	4	-	-
Physician in home	2	...	1	1	-	1	...	1	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	397	6.4	339	41	17	92	10.2	87	3	2	181	9.9	166	10	5
Deaths under 1 year+	82	44.6	65	12	5	10	61.7	8	2	-	8	27.0	5	3	-
Deaths under 1 month+	59	32.1	49	5	5	8	49.4	7	1	-	6	20.3	4	2	-
Tuberculosis of respiratory system (001-008)	3	4.8	-	1	2	-	-	-	-	-	3	16.4	3	-	-
Tuberculosis, other forms (010-019)	1	1.6	-	1	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	1.6	1	-	-	-	-	-	-	-	2	11.0	1	1	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	1.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	1.6	1	-	-	-	-	-	-	-	1	5.5	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, 059-071, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	49	79.0	45	4	-	10	110.7	10	-	-	37	202.6	36	1	-
Benign and unspecified neoplasms (210-239)	1	1.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	2	3.2	2	-	-	4	44.3	3	-	1	3	16.4	3	-	-
Anemias (290-293)	-	-	-	-	-	1	11.1	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	34	54.8	29	4	1	16	177.1	16	-	-	30	164.3	30	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	1.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	5	8.1	5	-	-	-	-	-	-	-	3	16.4	2	-	1
Arteriosclerotic and degenerative heart disease (420-422)	104	167.6	97	4	3	23	254.7	21	1	1	33	180.7	32	-	1
Other diseases of heart (430-434)	11	17.7	9	1	1	1	11.1	1	-	-	6	32.9	5	1	-
Hypertension with heart disease (440-443)	7	11.3	6	1	-	1	11.1	1	-	-	8	43.8	5	1	2
Hypertension without mention of heart (444-447)	1	1.6	-	1	-	1	11.1	1	-	-	1	5.5	1	-	-
Influenza (480-483)	1	1.6	1	-	-	1	11.1	-	1	-	1	5.5	1	-	-
Pneumonia (490-493)	14	22.6	12	2	-	1	11.1	1	-	-	2	11.0	1	-	1
Bronchitis (500-502)	1	1.6	-	-	1	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	2	3.2	2	-	-	-	-	-	-	-	1	5.5	1	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	1	5.5	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	1.6	1	-	-	-	-	-	-	-	1	5.5	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	9	14.5	2	7	-	2	22.1	2	-	-	1	5.5	-	1	-
Cirrhosis of liver (581)	1	1.6	1	-	-	1	11.1	1	-	-	1	5.5	1	-	-
Nephritis and nephrosis (590-594)	5	8.1	4	1	-	-	-	-	-	-	3	16.4	2	1	-
Hyperplasia of prostate (610)	6	9.7	5	1	-	2	22.1	2	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	13	21.0	13	-	-	-	-	-	-	-	2	11.0	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	19	30.6	17	1	1	3	33.2	3	-	-	1	5.5	-	1	-
Infections of the newborn (763-768)	3	4.8	1	1	1	1	11.1	1	-	-	2	11.0	2	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	32	51.6	26	4	2	3	33.2	3	-	-	2	11.0	1	1	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	8	12.9	5	2	1	-	-	-	-	-	4	21.9	4	-	-
All other diseases (Residual)	29	46.7	26	1	2	13	143.9	12	1	-	14	76.7	14	-	-
Motor-vehicle accidents (E810-E835)	11	17.7	9	1	1	1	11.1	1	-	-	6	32.9	4	2	-
All other accidents (E800-E802, E840-E962)	14	22.6	12	1	1	7	77.5	7	-	-	9	49.3	9	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	1.6	1	-	-	-	-	-	-	-	2	11.0	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	5	8.1	3	2	-	-	-	-	-	-	1	5.5	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	CREEK					CUSTER					DELAWARE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	37,890		Wh.	Neg.	Ind.	20,260		Wh.	Neg.	Ind.	14,734		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	883	23.3	760	84	39	436	21.5	383	25	28	221	15.0	158	-	63
Physician in hospital	749	...	681	33	35	429	...	377	25	27	151	...	99	-	52
Physician in home	106	...	76	28	2	7	...	6	-	1	66	...	59	-	7
Midwife, other, or unknown	28	...	3	23	2	-	...	-	-	-	4	...	-	-	4
Stillbirths+	19	21.5	16	2	1	3	6.9	3	-	-	3	13.6	2	-	1
Physician in hospital	17	...	15	1	1	3	...	3	-	-	1	...	-	-	1
Physician in home	1	...	1	-	-	-	...	-	-	-	2	...	2	-	-
Midwife, other, or unknown	1	...	-	1	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	415	11.0	357	50	8	222	11.0	200	8	14	133	9.0	115	-	18
Deaths under 1 year+	28	31.7	23	4	1	18	41.3	13	2	3	3	13.6	1	-	2
Deaths under 1 month+	12	13.6	12	-	-	12	27.5	11	1	-	1	4.5	-	-	1
Tuberculosis of respiratory system (001-008)	2	5.3	2	-	-	1	4.9	-	-	1	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	3	7.9	3	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	1	2.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	5.3	2	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-071, 081-083, 086-096, 120-138)	7	18.5	5	2	-	1	4.9	1	-	-	1	6.8	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	62	163.6	59	2	1	28	138.2	27	1	-	11	74.7	10	-	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	5	13.2	5	-	-	4	19.7	3	-	1	6	40.7	5	-	1
Anemias (290-293)	2	5.3	-	2	-	-	-	-	-	-	1	6.8	1	-	-
Vascular lesions affecting central nervous system (330-334)	52	137.2	44	8	-	25	123.4	25	-	-	18	122.2	16	-	2
Nonmeningococcal meningitis (340)	-	-	-	-	-	1	4.9	-	-	1	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	7	18.5	7	-	-	3	14.8	3	-	-	1	6.8	1	-	-
Arteriosclerotic and degenerative heart disease (420-422)	106	279.8	99	6	1	51	251.7	49	-	2	28	190.0	25	-	3
Other diseases of heart (430-434)	12	31.7	10	2	-	12	59.2	11	-	1	5	33.9	5	-	-
Hypertension with heart disease (440-443)	14	36.9	11	2	1	13	64.2	11	2	-	6	40.7	4	-	2
Hypertension without mention of heart (444-447)	5	13.2	4	1	-	1	4.9	1	-	-	-	-	-	-	-
Influenza (480-483)	1	2.6	-	-	1	1	4.9	1	-	-	1	6.8	-	-	1
Pneumonia (490-493)	12	31.7	6	6	-	9	44.4	8	1	-	5	33.9	4	-	1
Bronchitis (500-502)	-	-	-	-	-	1	4.9	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	2.6	1	-	-	2	9.9	2	-	-	-	-	-	-	-
Appendicitis (550-553)	1	2.6	-	1	-	-	-	-	-	-	1	6.8	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	7.9	3	-	-	1	4.9	1	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	3	7.9	1	1	1	3	14.8	2	-	1	2	13.6	1	-	1
Cirrhosis of liver (581)	3	7.9	3	-	-	1	4.9	1	-	-	3	20.4	3	-	-
Nephritis and nephrosis (590-594)	11	29.0	6	5	-	6	29.6	5	-	1	5	33.9	5	-	-
Hyperplasia of prostate (610)	3	7.9	2	1	-	1	4.9	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	1	1.1	1	-	-	-	-	-	-	-	1	4.5	1	-	-
Congenital malformations (750-759)	4	10.6	4	-	-	2	9.9	1	1	-	1	6.8	-	-	1
Birth injuries, postnatal asphyxia and atelectasis (760-762)	7	18.5	7	-	-	4	19.7	4	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	6	15.8	6	-	-	8	39.5	6	1	1	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	13.2	4	1	-	7	34.6	4	-	3	7	47.5	6	-	1
All other diseases (Residual)	43	113.5	37	6	-	10	49.4	10	-	-	13	88.2	10	-	3
Motor-vehicle accidents (E810-E835)	5	13.2	5	-	-	15	74.0	13	1	1	11	74.7	10	-	1
All other accidents (E800-E802, E840-E962)	22	58.1	17	3	2	9	44.4	7	1	1	2	13.6	2	-	-
Suicide and self-inflicted injury (E963, E970-E979)	2	5.3	1	-	1	1	4.9	1	-	-	3	20.4	3	-	-
Homicide and operations of war (E964, E965, E980-E999)	2	5.3	1	1	-	1	4.9	1	-	-	1	6.8	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	DEWEY					ELLIS					GARFIELD				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	7,433		Wh.	Neg.	Ind.	6,841		Wh.	Neg.	Ind.	55,939		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	126	17.0	117	-	9	95	13.9	95	-	-	1449	25.9	1380	62	7
Physician in hospital	112	...	103	-	9	92	...	92	-	-	1435	...	1367	61	7
Physician in home	11	...	11	-	-	2	...	2	-	-	8	...	7	1	-
Midwife, other, or unknown	3	...	3	-	-	1	...	1	-	-	6	...	6	-	-
Stillbirths+	-	-	-	-	-	-	-	-	-	-	12	8.3	12	-	-
Physician in hospital	-	...	-	-	-	-	...	-	-	-	10	...	10	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	2	...	2	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	83	11.2	78	-	5	64	9.4	64	-	-	480	8.6	457	20	3
Deaths under 1 year*	5	39.7	2	-	3	3	31.6	3	-	-	33	22.8	27	6	-
Deaths under 1 month+	2	15.9	1	-	1	3	31.6	3	-	-	26	17.9	21	5	-
Tuberculosis of respiratory system (001-008)	2	26.9	1	-	1	-	-	-	-	-	3	5.4	3	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	13.5	-	-	1	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	13	174.9	13	-	-	7	102.3	7	-	-	70	125.1	68	2	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	3	40.4	3	-	-	2	29.2	2	-	-	8	14.3	8	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	1	1.8	1	-	-
Vascular lesions affecting central nervous system (330-334)	13	174.9	13	-	-	13	190.0	13	-	-	75	134.1	72	1	2
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	13.5	1	-	-	1	14.6	1	-	-	4	7.2	4	-	-
Arteriosclerotic and degenerative heart disease (420-422)	19	255.6	18	-	1	17	248.5	17	-	-	124	221.7	119	5	-
Other diseases of heart (430-434)	5	67.3	5	-	-	3	43.9	3	-	-	10	17.9	8	1	1
Hypertension with heart disease (440-443)	1	13.5	1	-	-	4	58.5	4	-	-	12	21.5	10	2	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	4	7.2	4	-	-
Influenza (480-483)	1	13.5	1	-	-	-	-	-	-	-	1	1.8	1	-	-
Pneumonia (490-493)	2	26.9	1	-	1	-	-	-	-	-	10	17.9	10	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	1.8	1	-	-
Ulcer of stomach and duodenum (540, 541)	1	13.5	1	-	-	1	14.6	1	-	-	6	10.7	6	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	3	5.4	3	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	5	8.9	5	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	1	1.8	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	3	40.4	3	-	-	2	29.2	2	-	-	7	12.5	7	-	-
Hyperplasia of prostate (610)	1	13.5	1	-	-	-	-	-	-	-	2	3.6	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	1	10.5	1	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	13.5	1	-	-	-	-	-	-	-	8	14.3	7	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	2	29.2	2	-	-	10	17.9	8	2	-
Infections of the newborn (763-768)	1	13.5	-	-	1	1	14.6	1	-	-	1	1.8	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	13.5	1	-	-	-	-	-	-	-	10	17.9	8	2	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	40.4	3	-	-	1	14.6	1	-	-	11	19.7	11	-	-
All other diseases (Residual)	6	80.7	6	-	-	4	58.5	4	-	-	41	73.3	41	-	-
Motor-vehicle accidents (E810-E835)	3	40.4	3	-	-	2	29.2	2	-	-	12	21.5	12	-	-
All other accidents (E800-E802, E840-E962)	2	26.9	2	-	-	2	29.2	2	-	-	29	51.8	25	4	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	1	14.6	1	-	-	8	14.3	8	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	2	3.6	2	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	GARVIN					GRADY					GRANT				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	28,799		Wh.	Neg.	Ind.	32,220		Wh.	Neg.	Ind.	9,326		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	738	25.6	700	35	3	665	20.6	624	39	2	167	17.9	167	-	-
Physician in hospital	718	...	690	26	2	580	...	571	7	2	163	...	163	-	-
Physician in home	20	...	10	9	1	82	...	52	30	-	4	...	4	-	-
Midwife, other, or unknown	-	...	-	-	-	3	...	1	2	-	-	...	-	-	-
Stillbirths+	20	27.1	15	2	3	8	12.0	7	1	-	-	-	-	-	-
Physician in hospital	19	...	14	2	3	4	...	4	-	-	-	...	-	-	-
Physician in home	-	...	-	-	-	4	...	3	1	-	-	...	-	-	-
Midwife, other, or unknown	1	...	1	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	213	7.4	194	17	2	317	9.8	290	26	1	104	11.2	104	-	-
Deaths under 1 year*	15	20.3	13	2	-	24	36.1	18	6	-	5	29.9	5	-	-
Deaths under 1 month+	10	13.6	10	-	-	15	22.6	13	2	-	4	24.0	4	-	-
Tuberculosis of respiratory system (001-008)	2	6.9	2	-	-	1	3.1	-	1	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	3	9.3	1	2	-	1	10.7	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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	1	3.1	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)	-	-	-	-	-	4	12.4	3	1	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	37	128.5	33	4	-	61	189.3	58	3	-	21	225.2	21	-	-
Benign and unspecified neoplasms (210-239)	1	3.5	1	-	-	-	-	-	-	-	2	21.4	2	-	-
Diabetes mellitus (260)	5	17.4	5	-	-	5	15.5	5	-	-	2	21.4	2	-	-
Anemias (290-293)	-	-	-	-	-	1	3.1	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	24	83.3	22	2	-	37	114.8	35	2	-	15	160.8	15	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	6.9	2	-	-	3	9.3	3	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	45	156.3	44	1	-	69	214.2	67	2	-	28	300.2	28	-	-
Other diseases of heart (430-434)	6	20.8	6	-	-	9	27.9	9	-	-	1	10.7	1	-	-
Hypertension with heart disease (440-443)	10	34.7	9	1	-	19	59.0	17	2	-	1	10.7	1	-	-
Hypertension without mention of heart (444-447)	1	3.5	1	-	-	2	6.2	2	-	-	1	10.7	1	-	-
Influenza (480-483)	1	3.5	-	1	-	3	9.3	3	-	-	-	-	-	-	-
Pneumonia (490-493)	6	20.8	4	2	-	10	31.0	8	2	-	1	10.7	1	-	-
Bronchitis (500-502)	-	-	-	-	-	1	3.1	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	3.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	1	3.5	1	-	-	1	3.1	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	6.9	1	1	-	3	9.3	2	1	-	1	10.7	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	3.5	1	-	-	1	3.1	1	-	-	2	21.4	2	-	-
Cirrhosis of liver (581)	3	10.4	2	-	1	5	15.5	5	-	-	1	10.7	1	-	-
Nephritis and nephrosis (590-594)	5	17.4	3	2	-	2	6.2	2	-	-	1	10.7	1	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	3	9.3	3	-	-	1	10.7	1	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	5	17.4	5	-	-	7	21.7	6	1	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	3.1	1	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	4	13.9	4	-	-	5	15.5	4	1	-	2	21.4	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	8	27.8	6	1	1	11	34.1	9	2	-	1	10.7	1	-	-
All other diseases (Residual)	20	69.4	18	2	-	27	83.8	23	4	-	12	128.7	12	-	-
Motor-vehicle accidents (E810-E835)	11	38.2	11	-	-	3	9.3	3	-	-	2	21.4	2	-	-
All other accidents (E800-E802, E840-E962)	11	38.2	11	-	-	16	49.7	13	2	1	7	75.1	7	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	3	9.3	3	-	-	1	10.7	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	3.5	1	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	GREER					HARMON					HARPER				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	10,559		Wh.	Neg.	Ind.	7,254		Wh.	Neg.	Ind.	5,773		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	162	15.3	152	10	-	102	14.1	88	13	1	112	19.4	112	-	-
Physician in hospital	158	...	148	10	-	93	...	86	6	1	102	...	102	-	-
Physician in home	4	...	4	-	-	8	...	2	6	-	10	...	10	-	-
Midwife, other, or unknown	-	...	-	-	-	1	...	-	1	-	-	...	-	-	-
Stillbirths*	2	12.3	2	-	-	1	9.8	1	-	-	1	8.9	1	-	-
Physician in hospital	2	...	2	-	-	1	...	1	-	-	1	...	1	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	108	10.2	105	3	-	57	7.9	52	5	-	58	10.0	58	-	-
Deaths under 1 year*	2	12.3	2	-	-	3	29.4	1	2	-	1	8.9	1	-	-
Deaths under 1 month*	2	12.3	2	-	-	1	9.8	-	1	-	1	8.9	1	-	-
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	13.8	1	-	-	-	-	-	-	-
Typhoid fever (040)	1	9.5	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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	9.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	16	151.5	15	1	-	7	96.5	7	-	-	11	190.5	11	-	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	-	-	-	-	-	2	27.6	1	1	-	1	17.3	1	-	-
Anemias (290-293)	1	9.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	18	170.5	17	1	-	14	193.0	13	1	-	6	103.9	6	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	9.5	1	-	-	1	13.8	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	29	274.6	29	-	-	11	151.6	11	-	-	12	207.9	12	-	-
Other diseases of heart (430-434)	1	9.5	1	-	-	5	68.9	4	1	-	3	52.0	3	-	-
Hypertension with heart disease (440-443)	1	9.5	1	-	-	1	13.8	1	-	-	4	69.3	4	-	-
Hypertension without mention of heart (444-447)	1	9.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	2	18.9	2	-	-	1	13.8	1	-	-	2	34.6	2	-	-
Bronchitis (500-502)	1	9.5	1	-	-	-	-	-	-	-	1	17.3	1	-	-
Ulcer of stomach and duodenum (540, 541)	1	9.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	1	17.3	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	13.8	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	9.5	1	-	-	-	-	-	-	-	1	17.3	1	-	-
Nephritis and nephrosis (590-594)	-	-	-	-	-	1	13.8	-	1	-	1	17.3	1	-	-
Hyperplasia of prostate (610)	1	9.5	1	-	-	1	13.8	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	1	13.8	-	1	-	1	17.3	1	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	18.9	2	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	7	66.3	6	1	-	-	-	-	-	-	1	17.3	1	-	-
All other diseases (Residual)	13	123.1	13	-	-	6	82.7	6	-	-	8	138.6	8	-	-
Motor-vehicle accidents (E810-E835)	1	9.5	1	-	-	1	13.8	1	-	-	2	34.6	2	-	-
All other accidents (E800-E802, E840-E962)	5	47.4	5	-	-	2	27.6	2	-	-	3	52.0	3	-	-
Suicide and self-inflicted injury (E963, E970-E979)	4	37.9	4	-	-	1	13.8	1	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	HASKELL					HUGHES					JACKSON				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	13,313		Wh.	Neg.	Ind.	17,039		Wh.	Neg.	Ind.	18,964		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	215	16.1	205	-	10	332	19.5	273	10	49	568	30.0	514	47	7
Physician in hospital	68	...	65	-	3	302	...	248	8	46	539	...	504	28	7
Physician in home	145	...	138	-	7	26	...	23	-	3	25	...	9	16	-
Midwife, other, or unknown	2	...	2	-	-	4	...	2	2	-	4	...	1	3	-
Stillbirths*	-	-	-	-	-	7	21.1	4	-	3	8	14.1	5	3	-
Physician in hospital	-	...	-	-	-	7	...	4	-	3	8	...	5	3	-
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	115	8.6	105	2	8	172	10.1	155	9	8	166	8.8	153	13	-
Deaths under 1 year*	1	4.7	1	-	-	11	33.1	9	1	1	10	17.6	10	-	-
Deaths under 1 month*	1	4.7	1	-	-	6	18.1	6	-	-	7	12.3	7	-	-
Tuberculosis of respiratory system (001-008)	2	15.0	1	-	1	3	17.6	3	-	-	1	5.3	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	5.9	1	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	7.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	1	5.3	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	5.9	1	-	-	1	5.3	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	11	82.6	11	-	-	29	170.2	25	2	2	25	131.8	25	-	-
Benign and unspecified neoplasms (210-239)	2	15.0	2	-	-	1	5.9	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	2	15.0	1	-	1	4	23.5	4	-	-	-	-	-	-	-
Anemias (290-293)	1	7.5	1	-	-	1	5.9	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	15	112.7	14	1	-	21	123.2	18	3	-	28	147.6	25	3	-
Nonmeningococcal meningitis (340)	1	7.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	1	7.5	1	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	1	5.9	1	-	-	2	10.5	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	28	210.3	28	-	-	39	228.9	37	1	1	34	179.3	33	1	-
Other diseases of heart (430-434)	1	7.5	-	-	1	2	11.7	1	1	-	4	21.1	3	1	-
Hypertension with heart disease (440-443)	10	75.1	10	-	-	4	23.5	4	-	-	5	26.4	4	1	-
Hypertension without mention of heart (444-447)	1	7.5	1	-	-	4	23.5	4	-	-	4	21.1	2	2	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	4	30.0	4	-	-	1	5.9	1	-	-	4	21.1	3	1	-
Bronchitis (500-502)	1	7.5	1	-	-	-	-	-	-	-	1	5.3	1	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	5.9	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	4	23.5	4	-	-	2	10.5	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	5.9	1	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	7.5	1	-	-	1	5.9	1	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	1	7.5	1	-	-	6	35.2	5	1	-	5	26.4	4	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	1	5.3	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	2	6.0	-	-	2	1	1.8	1	-	-
Congenital malformations (750-759)	1	7.5	1	-	-	3	17.6	2	-	1	3	15.8	3	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.5	1	-	-	-	-	-	-	-	4	21.1	4	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	5	29.3	4	-	1	2	10.5	2	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	8	60.1	8	-	-	8	47.0	8	-	-	5	26.4	3	2	-
All other diseases (Residual)	12	90.1	11	-	1	15	88.0	15	-	-	18	94.9	17	1	-
Motor-vehicle accidents (E810-E835)	5	37.6	2	-	3	5	29.3	4	-	1	3	15.8	3	-	-
All other accidents (E800-E802, E840-E962)	4	30.0	3	-	1	8	47.0	7	1	-	8	42.2	8	-	-
Suicide and self-inflicted injury (E963, E970-E979)	1	7.5	-	1	-	-	-	-	-	-	3	15.8	3	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	1	5.9	1	-	-	1	5.3	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	JEFFERSON					JOHNSTON					KAY				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	9,426		Wh.	Neg.	Ind.	10,608		Wh.	Neg.	Ind.	49,661		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	169	17.9	166	3	-	165	15.6	143	4	18	1191	24.0	1103	25	63
Physician in hospital	132	...	129	3	-	111	...	98	-	13	1150	...	1068	21	61
Physician in home	34	...	34	-	-	51	...	45	2	4	41	...	35	4	2
Midwife, other, or unknown	3	...	3	-	-	3	...	-	2	1	-	...	-	-	-
Stillbirths+	3	17.8	3	-	-	4	24.2	3	-	1	10	8.4	8	-	2
Physician in hospital	3	...	3	-	-	4	...	3	-	1	10	...	8	-	2
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	92	9.8	87	3	2	66	6.2	58	4	4	478	9.6	447	14	17
Deaths under 1 year+	5	29.6	5	-	-	4	24.2	3	1	-	34	28.5	31	-	3
Deaths under 1 month+	4	23.7	4	-	-	3	18.2	2	1	-	24	20.2	24	-	-
Tuberculosis of respiratory system (001-008)	2	21.2	1	-	1	2	18.9	-	-	2	6	12.1	5	-	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	9.4	1	-	-	4	8.1	4	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	10.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	1	10.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	12	127.3	11	1	-	4	37.7	4	-	-	59	118.8	59	-	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Diabetes mellitus (260)	1	10.6	1	-	-	5	47.1	4	-	1	9	18.1	6	2	1
Anemias (290-293)	1	10.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	10	106.1	10	-	-	10	94.3	9	1	-	65	130.9	60	4	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	8	16.1	5	1	2
Arteriosclerotic and degenerative heart disease (420-422)	26	275.8	25	1	-	25	235.7	23	2	-	148	298.0	139	5	4
Other diseases of heart (430-434)	2	21.2	2	-	-	2	18.9	2	-	-	8	16.1	8	-	-
Hypertension with heart disease (440-443)	6	63.7	6	-	-	-	-	-	-	-	25	50.3	25	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	2	4.0	2	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	1	10.6	1	-	-	1	9.4	1	-	-	5	10.1	4	-	1
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	9.4	1	-	-	4	8.1	4	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	1	9.4	1	-	-	2	4.0	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	10.6	1	-	-	-	-	-	-	-	1	2.0	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	3	6.0	3	-	-
Nephritis and nephrosis (590-594)	3	31.8	3	-	-	-	-	-	-	-	10	20.1	9	-	1
Hyperplasia of prostate (610)	1	10.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	7	14.1	7	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	10.6	1	-	-	1	9.4	1	-	-	8	16.1	8	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	9.4	1	-	-	1	2.0	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	21.2	2	-	-	-	-	-	-	-	9	18.1	9	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	6	63.7	5	-	1	2	18.9	1	1	-	7	14.1	7	-	-
All other diseases (Residual)	5	53.0	5	-	-	5	47.1	4	-	1	36	72.5	34	-	2
Motor-vehicle accidents (E810-E835)	2	21.2	2	-	-	-	-	-	-	-	20	40.3	19	-	1
All other accidents (E800-E802, E840-E962)	7	74.3	7	-	-	5	47.1	5	-	-	25	50.3	21	2	2
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	10.6	-	1	-	-	-	-	-	-	1	2.0	-	-	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	KINGFISHER					KIOWA					LATIMER				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	11,687		Wh.	Neg.	Ind.	17,273		Wh.	Neg.	Ind.	9,690		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	225	19.3	198	18	9	348	20.1	283	23	42	146	15.1	126	2	18
Physician in hospital	216	...	196	12	8	326	...	264	21	41	107	...	88	2	17
Physician in home	8	...	2	5	1	21	...	18	2	1	36	...	35	-	1
Midwife, other, or unknown	1	...	-	1	-	1	...	1	-	-	3	...	3	-	-
Stillbirths+	4	17.8	4	-	-	2	5.7	2	-	-	1	6.8	1	-	-
Physician in hospital	3	...	3	-	-	2	...	2	-	-	1	...	1	-	-
Physician in home	1	...	1	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	110	9.4	93	13	4	156	9.0	146	8	2	67	6.9	61	3	3
Deaths under 1 year+	4	17.8	3	1	-	7	20.1	7	-	-	2	13.7	1	1	-
Deaths under 1 month+	4	17.8	3	1	-	5	14.4	5	-	-	1	6.8	-	1	-
Tuberculosis of respiratory system (001-008)	2	17.1	2	-	-	1	5.8	1	-	-	1	10.3	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	5.8	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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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)	14	119.8	11	2	1	24	138.9	24	-	-	12	123.8	11	-	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	3	25.7	1	2	-	1	5.8	1	-	-	1	10.3	1	-	-
Anemias (290-293)	-	-	-	-	-	1	5.8	1	-	-	1	10.3	1	-	-
Vascular lesions affecting central nervous system (330-334)	19	162.6	18	1	-	24	138.9	22	2	-	7	72.2	6	-	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	17.1	2	-	-	2	11.6	2	-	-	1	10.3	1	-	-
Arteriosclerotic and degenerative heart disease (420-422)	33	282.4	29	2	2	53	306.8	48	4	1	16	165.1	16	-	-
Other diseases of heart (430-434)	1	8.6	1	-	-	-	-	-	-	-	8	82.6	7	1	-
Hypertension with heart disease (440-443)	3	25.7	3	-	-	6	34.7	6	-	-	-	-	-	-	-
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	1	10.3	1	-	-
Influenza (480-483)	-	-	-	-	-	1	5.8	1	-	-	-	-	-	-	-
Pneumonia (490-493)	5	42.8	4	1	-	5	28.9	4	1	-	4	41.3	4	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	2	17.1	2	-	-	1	5.8	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	8.6	1	-	-	1	5.8	1	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	1	10.3	1	-	-
Nephritis and nephrosis (590-594)	3	25.7	2	1	-	1	5.8	1	-	-	3	31.0	2	1	-
Hyperplasia of prostate (610)	1	8.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	25.7	2	1	-	3	17.4	3	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	8.6	1	-	-	2	11.6	2	-	-	1	10.3	-	1	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	-	-	-	-	-	5	28.9	5	-	-	3	31.0	3	-	-
All other diseases (Residual)	6	51.3	4	2	-	6	34.7	5	1	-	2	20.6	2	-	-
Motor-vehicle accidents (E810-E835)	2	17.1	2	-	-	10	57.9	9	-	1	1	10.3	-	-	1
All other accidents (E800-E802, E840-E962)	9	77.0	7	1	1	4	23.2	4	-	-	2	20.6	2	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	3	17.4	3	-	-	2	20.6	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	1	5.8	1	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	LeFLORE					LINCOLN					LOGAN				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	35,276		Wh.	Neg.	Ind.	18,944		Wh.	Neg.	Ind.	20,861		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	557	15.8	507	25	25	442	23.3	401	34	7	384	18.4	287	95	2
Physician in hospital	390	...	358	7	25	304	...	282	15	7	336	...	264	70	2
Physician in home	151	...	147	4	-	134	...	115	19	-	29	...	22	7	-
Midwife, other, or unknown	16	...	2	14	-	4	...	4	-	-	19	...	1	18	-
Stillbirths*	10	18.0	9	-	1	7	15.8	5	2	-	5	13.0	2	3	-
Physician in hospital	8	...	7	-	1	4	...	3	1	-	4	...	2	2	-
Physician in home	2	...	2	-	-	2	...	1	1	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	1	...	1	-	-	1	...	-	1	-
Total deaths, all causes*	274	7.8	256	6	12	245	12.9	216	28	1	250	12.0	198	52	-
Deaths under 1 year*	10	18.0	8	1	1	10	22.6	7	3	-	13	33.9	6	7	-
Deaths under 1 month*	7	12.6	6	-	1	5	11.3	3	2	-	7	18.2	3	4	-
Tuberculosis of respiratory system (001-008)	11	31.2	8	-	3	2	10.6	2	-	-	2	9.6	2	-	-
Tuberculosis, other forms (010-019)	1	2.8	-	1	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	2.8	1	-	-	3	15.8	2	1	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	2.8	1	-	-	-	-	-	-	-	1	4.8	1	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	2	5.7	1	1	-	-	-	-	-	-	1	4.8	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	29	82.2	28	-	1	40	211.1	39	1	-	49	234.9	45	4	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	4.8	1	-	-
Diabetes mellitus (260)	6	17.0	6	-	-	6	31.7	5	-	1	8	38.3	7	1	-
Anemias (290-293)	1	2.8	1	-	-	1	5.3	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	44	124.7	43	-	1	19	100.3	16	3	-	33	158.2	23	10	-
Nonmeningococcal meningitis (340)	1	2.8	1	-	-	-	-	-	-	-	1	4.8	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	1	5.3	1	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	5.7	2	-	-	1	5.3	-	1	-	4	19.2	2	2	-
Arteriosclerotic and degenerative heart disease (420-422)	68	192.8	65	1	2	62	327.3	59	3	-	49	234.9	46	3	-
Other diseases of heart (430-434)	15	42.5	14	1	-	8	42.2	6	2	-	9	43.1	5	4	-
Hypertension with heart disease (440-443)	13	36.9	12	-	1	17	89.7	12	5	-	13	62.3	10	3	-
Hypertension without mention of heart (444-447)	3	8.5	3	-	-	2	10.6	1	1	-	2	9.6	2	-	-
Influenza (480-483)	-	-	-	-	-	3	15.8	2	1	-	3	14.4	3	-	-
Pneumonia (490-493)	13	36.9	11	1	1	5	26.4	5	-	-	8	38.3	7	1	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	3	14.4	3	-	-
Ulcer of stomach and duodenum (540, 541)	1	2.8	1	-	-	1	5.3	1	-	-	1	4.8	1	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	3	14.4	1	2	-
Intestinal obstruction and hernia (560, 561, 570)	1	2.8	1	-	-	2	10.6	2	-	-	2	9.6	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	1	4.8	-	1	-
Cirrhosis of liver (581)	1	2.8	1	-	-	4	21.1	4	-	-	1	4.8	1	-	-
Nephritis and nephrosis (590-594)	3	8.5	3	-	-	8	42.2	6	2	-	7	33.6	6	1	-
Hyperplasia of prostate (610)	2	5.7	2	-	-	-	-	-	-	-	2	9.6	1	1	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	1	1.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	2.8	1	-	-	2	10.6	1	1	-	2	9.6	1	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	8.5	2	-	1	2	10.6	1	1	-	4	19.2	2	2	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	8.5	3	-	-	2	10.6	2	-	-	3	14.4	1	2	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	6	17.0	6	-	-	7	37.0	5	2	-	4	19.2	2	2	-
All other diseases (Residual)	25	70.9	23	1	1	26	137.2	22	4	-	17	81.5	11	6	-
Motor-vehicle accidents (E810-E835)	7	19.8	7	-	-	8	42.2	8	-	-	3	14.4	3	-	-
All other accidents (E800-E802, E840-E962)	8	22.7	7	-	1	11	58.1	11	-	-	13	62.3	7	6	-
Suicide and self-inflicted injury (E963, E970-E979)	1	2.8	1	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	2	10.6	2	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	LOVE					McCLAIN					McCURTAIN				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	7,721		Wh.	Neg.	Ind.	12,760		Wh.	Neg.	Ind.	31,588		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	118	15.3	103	14	1	238	18.7	226	12	-	507	16.1	351	94	62
Physician in hospital	55	...	54	-	1	197	...	192	5	-	290	...	218	15	57
Physician in home	62	...	48	14	-	41	...	34	7	-	170	...	124	42	4
Midwife, other, or unknown	1	...	1	-	-	-	...	-	-	-	47	...	9	37	1
Stillbirths*	2	16.9	1	1	-	7	29.4	5	1	1	7	13.8	5	-	2
Physician in hospital	1	...	1	-	-	5	...	4	1	-	4	...	2	-	2
Physician in home	1	...	-	1	-	2	...	1	-	1	3	...	3	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	61	7.9	58	3	-	117	9.2	108	8	1	243	7.7	180	42	21
Deaths under 1 year*	3	25.4	3	-	-	7	29.4	6	1	-	20	39.4	11	5	4
Deaths under 1 month*	2	16.9	2	-	-	5	21.0	4	1	-	11	21.7	7	2	2
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	1	7.8	-	1	-	11	34.8	7	2	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	2	6.3	1	1	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	-	1
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	-	1
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	12	155.4	11	1	-	21	164.6	20	1	-	34	107.6	28	5	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	1	-
Diabetes mellitus (260)	2	25.9	2	-	-	1	7.8	1	-	-	6	19.0	5	-	1
Anemias (290-293)	-	-	-	-	-	1	7.8	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	12	155.4	11	1	-	12	94.0	12	-	-	30	95.0	19	10	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	3.2	1	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	1	7.8	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	16	207.2	16	-	-	34	266.5	30	4	-	52	164.6	42	8	2
Other diseases of heart (430-434)	1	13.0	1	-	-	2	15.7	2	-	-	12	38.0	11	-	1
Hypertension with heart disease (440-443)	-	-	-	-	-	1	7.8	1	-	-	11	34.8	9	2	-
Hypertension without mention of heart (444-447)	3	38.9	2	1	-	2	15.7	2	-	-	1	3.2	1	-	-
Influenza (480-483)	1	13.0	1	-	-	1	7.8	1	-	-	1	3.2	1	-	-
Pneumonia (490-493)	-	-	-	-	-	3	23.5	3	-	-	10	31.7	3	4	3
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	1	7.8	1	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	-	1
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	2	6.3	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	-	1
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	2	6.3	1	1	-
Nephritis and nephrosis (590-594)	1	13.0	1	-	-	1	7.8	-	-	1	2	6.3	1	1	-
Hyperplasia of prostate (610)	-	-	-	-	-	2	15.7	1	1	-	3	9.5	1	2	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	13.0	1	-	-	2	15.7	2	-	-	2	6.3	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	13.0	1	-	-	1	7.8	-	1	-	4	12.7	3	-	1
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	1	3.2	-	1	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	3	23.5	3	-	-	5	15.8	3	1	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	25.9	2	-	-	-	-	-	-	-	6	19.0	4	1	1
All other diseases (Residual)	1	13.0	1	-	-	17	133.2	17	-	-	19	60.1	18	1	-
Motor-vehicle accidents (E810-E835)	3	38.9	3	-	-	1	7.8	1	-	-	10	31.7	9	-	1
All other accidents (E800-E802, E840-E962)	4	51.8	4	-	-	7	54.9	7	-	-	9	28.5	7	1	1
Suicide and self-inflicted injury (E963, E970-E979)	1	13.0	1	-	-	1	7.8	1	-	-	1	3.2	1	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	1	7.8	1	-	-	2	6.3	1	1	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	McINTOSH					MAJOR					MARSHALL				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	15,164		Wh.	Neg.	Ind.	9,569		Wh.	Neg.	Ind.	8,177		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	278	18.3	194	53	31	161	16.8	160	-	1	115	14.1	106	3	6
Physician in hospital	127	...	98	6	23	159	...	158	-	1	110	...	103	2	5
Physician in home	128	...	92	30	6	-	...	-	-	-	4	...	3	-	1
Midwife, other, or unknown	23	...	4	17	2	2	...	2	-	-	1	...	-	1	-
Stillbirths+	3	10.8	2	1	-	2	12.4	2	-	-	6	52.2	5	-	1
Physician in hospital	1	...	-	1	-	2	...	2	-	-	6	...	5	-	1
Physician in home	2	...	2	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	170	11.2	129	30	11	94	9.8	94	-	-	82	10.0	77	2	3
Deaths under 1 year+	10	36.0	5	3	2	2	12.4	2	-	-	1	8.7	1	-	-
Deaths under 1 month+	6	21.6	3	3	-	1	6.2	1	-	-	1	8.7	1	-	-
Tuberculosis of respiratory system (001-008)	4	26.4	3	-	1	-	-	-	-	-	2	24.5	1	-	1
Tuberculosis, other forms (010-019)	1	6.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	6.6	-	1	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	6.6	1	-	-	-	-	-	-	-	-	-	-	-	-
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)	1	6.6	1	-	-	1	10.5	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	29	191.2	24	4	1	9	94.1	9	-	-	13	159.0	13	-	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diabetes mellitus (260)	4	26.4	3	-	1	5	52.3	5	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	23	151.7	15	6	2	14	146.3	14	-	-	15	183.4	14	1	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	13.2	2	-	-	1	10.5	1	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	43	283.6	37	6	-	28	292.6	28	-	-	23	281.3	23	-	-
Other diseases of heart (430-434)	3	19.8	2	1	-	8	83.6	8	-	-	2	24.5	2	-	-
Hypertension with heart disease (440-443)	7	46.2	7	-	-	1	10.5	1	-	-	6	73.4	6	-	-
Hypertension without mention of heart (444-447)	3	19.8	2	1	-	-	-	-	-	-	1	12.2	1	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	1	12.2	1	-	-
Pneumonia (490-493)	8	52.8	5	2	1	2	20.9	2	-	-	1	12.2	1	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	2	20.9	2	-	-	-	-	-	-	-
Appendicitis (550-553)	1	6.6	1	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	13.2	-	1	1	-	-	-	-	-	3	36.7	3	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	1	10.5	1	-	-	1	12.2	1	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	2	24.5	2	-	-
Nephritis and nephrosis (590-594)	6	39.6	4	2	-	1	10.5	1	-	-	-	-	-	-	-
Hyperplasia of prostate (610)	1	6.6	1	-	-	1	10.5	1	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	1	8.7	1	-	-
Congenital malformations (750-759)	2	13.2	2	-	-	1	10.5	1	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	6.6	-	1	-	-	-	-	-	-	1	12.2	1	-	-
Infections of the newborn (763-768)	1	6.6	-	1	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	13.2	2	-	-	1	10.5	1	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	33.0	2	1	2	-	-	-	-	-	-	-	-	-	-
All other diseases (Residual)	12	79.1	8	3	1	11	115.0	11	-	-	4	48.9	3	-	1
Motor-vehicle accidents (E810-E835)	1	6.6	1	-	-	4	41.8	4	-	-	3	36.7	3	-	-
All other accidents (E800-E802, E840-E962)	5	33.0	4	-	1	1	10.5	1	-	-	3	36.7	1	1	1
Suicide and self-inflicted injury (E963, E970-E979)	1	6.6	1	-	-	2	20.9	2	-	-	-	-	-	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	MAYES					MURRAY					MUSKOGEE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	19,743		Wh.	Neg.	Ind.	10,775		Wh.	Neg.	Ind.	65,428		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	380	19.2	303	1	76	241	22.4	230	7	4	1257	19.2	982	222	53
Physician in hospital	330	...	255	-	75	230	...	221	5	4	1060	...	926	85	49
Physician in home	47	...	46	-	1	11	...	9	2	-	107	...	54	50	3
Midwife, other, or unknown	3	...	2	1	-	-	...	-	-	-	90	...	2	87	1
Stillbirths+	7	18.4	6	-	1	5	20.7	4	-	1	26	20.7	14	11	1
Physician in hospital	6	...	5	-	1	4	...	3	-	1	20	...	14	5	1
Physician in home	-	...	-	-	-	1	...	1	-	-	6	...	-	6	-
Midwife, other, or unknown	1	...	1	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	197	10.0	185	3	9	134	12.4	124	7	3	692	10.6	463	215	14
Deaths under 1 year+	8	21.1	7	-	1	5	20.7	4	-	1	46	36.6	23	23	-
Deaths under 1 month+	7	18.4	6	-	1	4	16.6	4	-	-	31	24.7	18	13	-
Tuberculosis of respiratory system (001-008)	3	15.2	2	-	1	1	9.3	-	-	1	14	21.4	8	5	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	1.5	-	1	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	9.3	1	-	-	1	1.5	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	5.1	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	3	4.6	3	-	-
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)	-	-	-	-	-	-	-	-	-	-	6	9.2	3	3	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	22	111.4	22	-	-	19	176.3	19	-	-	84	128.4	63	17	4
Benign and unspecified neoplasms (210-239)	1	5.1	1	-	-	1	9.3	1	-	-	3	4.6	3	-	-
Diabetes mellitus (260)	5	25.3	5	-	-	2	18.6	2	-	-	8	12.2	6	2	-
Anemias (290-293)	1	5.1	1	-	-	-	-	-	-	-	2	3.1	2	-	-
Vascular lesions affecting central nervous system (330-334)	32	162.1	31	1	-	29	269.1	27	2	-	83	126.9	49	33	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	2	3.1	2	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	1.5	-	1	-
Chronic rheumatic heart disease (410-416)	5	25.3	5	-	-	2	18.6	2	-	-	9	13.8	6	3	-
Arteriosclerotic and degenerative heart disease (420-422)	56	283.6	54	-	2	32	297.0	30	2	-	153	233.8	128	23	2
Other diseases of heart (430-434)	4	20.3	4	-	-	5	46.4	5	-	-	21	32.1	12	8	1
Hypertension with heart disease (440-443)	6	30.4	4	1	1	2	18.6	1	-	1	40	61.1	23	16	1
Hypertension without mention of heart (444-447)	2	10.1	1	-	1	1	9.3	1	-	-	12	18.3	5	7	-
Influenza (480-483)	2	10.1	2	-	-	-	-	-	-	-	2	3.1	1	1	-
Pneumonia (490-493)	3	15.2	3	-	-	4	37.1	3	1	-	18	27.5	14	4	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	2	3.1	1	1	-
Ulcer of stomach and duodenum (540, 541)	2	10.1	2	-	-	-	-	-	-	-	4	6.1	3	1	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	2	3.1	1	1	-
Intestinal obstruction and hernia (560, 561, 570)	1	5.1	1	-	-	3	27.8	3	-	-	12	18.3	6	5	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	3	27.8	2	-	1	4	6.1	2	2	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	6	9.2	5	1	-
Nephritis and nephrosis (590-594)	1	5.1	1	-	-	1	9.3	1	-	-	14	21.4	9	5	-
Hyperplasia of prostate (610)	1	5.1	1	-	-	1	9.3	1	-	-	4	6.1	3	1	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	5	4.0	2	3	-
Congenital malformations (750-759)	1	5.1	1	-	-	-	-	-	-	-	6	9.2	5	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	4	20.3	3	-	1	1	9.3	1	-	-	11	16.8	6	5	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	1	1.5	1	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	15.2	3	-	-	2	18.6	2	-	-	9	13.8	6	3	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	25.3	3	-	2	3	27.8	3	-	-	32	48.9	16	16	-
All other diseases (Residual)	14	70.9	14	-	-	12	111.4	12	-	-	56	85.6	33	22	1
Motor-vehicle accidents (E810-E835)	9	45.6	9	-	-	2	18.6	2	-	-	15	22.9	14	1	-
All other accidents (E800-E802, E840-E962)	7	35.5	6	-	1	4	37.1	3	1	-	38	58.1	18	19	1
Suicide and self-inflicted injury (E963, E970-E979)	3	15.2	3	-	-	1	9.3	1	-	-	3	4.6	2	1	-
Homicide and operations of war (E964, E965, E980-E999)	3	15.2	3	-	-	2	18.6	2	-	-	5	7.6	1	3	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	NOBLE					NOWATA					OKFUSKEE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	11,021		Wh.	Neg.	Ind.	12,734		Wh.	Neg.	Ind.	12,983		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	224	20.3	200	7	17	243	19.1	224	12	7	286	22.0	195	51	40
Physician in hospital	212	...	188	7	17	232	...	215	10	7	209	...	163	12	34
Physician in home	12	...	12	-	-	10	...	9	1	-	63	...	31	26	6
Midwife, other, or unknown	-	...	-	-	-	1	...	-	1	-	14	...	1	13	-
Stillbirths*	7	31.3	5	-	2	4	16.5	4	-	-	6	21.0	4	1	1
Physician in hospital	7	...	5	-	2	4	...	4	-	-	3	...	2	-	1
Physician in home	-	...	-	-	-	-	...	-	-	-	2	...	2	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	1	...	-	1	-
Total deaths, all causes*	134	12.2	122	3	9	131	10.3	112	17	2	147	11.3	98	32	17
Deaths under 1 year*	6	26.8	6	-	-	5	20.6	4	1	-	12	42.0	6	3	3
Deaths under 1 month*	4	17.9	4	-	-	4	16.5	3	1	-	8	28.0	6	1	1
Tuberculosis of respiratory system (001-008)	1	9.1	-	-	1	-	-	-	-	-	3	23.1	1	-	2
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	7.7	-	-	1
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	7.9	1	-	-	1	7.7	-	1	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	1	7.9	1	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	9.1	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	-	-	-	-	-	1	7.9	1	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	18	163.3	16	2	-	17	133.5	16	-	1	19	146.3	18	-	1
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	1	7.9	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	3	27.2	2	-	1	1	7.9	-	1	-	3	23.1	2	1	-
Anemias (290-293)	-	-	-	-	-	1	7.9	1	-	-	1	7.7	-	1	-
Vascular lesions affecting central nervous system (330-334)	10	90.7	9	1	-	17	133.5	13	3	1	15	115.5	12	3	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	9.1	1	-	-	1	7.9	1	-	-	2	15.4	1	-	1
Arteriosclerotic and degenerative heart disease (420-422)	34	308.5	32	-	2	36	282.7	32	4	-	21	161.7	18	1	2
Other diseases of heart (430-434)	6	54.4	5	-	1	7	55.0	7	-	-	12	92.4	5	6	1
Hypertension with heart disease (440-443)	3	27.2	3	-	-	8	62.8	7	1	-	4	30.8	3	1	-
Hypertension without mention of heart (444-447)	2	18.1	2	-	-	2	15.7	2	-	-	6	46.2	5	1	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	5	45.4	5	-	-	2	15.7	2	-	-	9	69.3	3	2	4
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	9.1	1	-	-	2	15.7	1	1	-	1	7.7	1	-	-
Appendicitis (550-553)	1	9.1	1	-	-	-	-	-	-	-	2	15.4	2	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	27.2	3	-	-	2	15.7	2	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	9.1	-	-	1	1	7.9	1	-	-	2	15.4	1	1	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	6	54.4	5	-	1	2	15.7	1	1	-	8	61.6	-	7	1
Hyperplasia of prostate (610)	1	9.1	1	-	-	2	15.7	2	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	1	3.5	1	-	-
Congenital malformations (750-759)	3	27.2	3	-	-	-	-	-	-	-	2	15.4	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	27.2	3	-	-	2	15.7	2	-	-	2	15.4	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	7.9	-	1	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	1	9.1	1	-	-	1	7.9	1	-	-	4	30.8	3	-	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	2	18.1	2	-	-	3	23.6	1	2	-	6	46.2	3	2	1
All other diseases (Residual)	11	99.8	11	-	-	9	70.7	7	2	-	12	92.4	9	2	1
Motor-vehicle accidents (E810-E835)	9	81.7	7	-	2	6	47.1	5	1	-	2	15.4	2	-	-
All other accidents (E800-E802, E840-E962)	6	54.4	6	-	-	3	23.6	3	-	-	6	46.2	2	3	1
Suicide and self-inflicted injury (E963, E970-E979)	2	18.1	2	-	-	1	7.9	1	-	-	2	15.4	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	OKLAHOMA					OKMULGEE					OSAGE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	359,858		Wh.	Neg.	Ind.	42,206		Wh.	Neg.	Ind.	29,488		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	10177	28.3	8920	1112	115	854	20.2	670	126	58	643	21.8	529	28	86
Physician in hospital	10079	...	8843	1123	113	682	...	600	27	55	554	...	479	12	63
Physician in home	68	...	50	16	2	109	...	67	41	1	89	...	50	16	23
Midwife, other, or unknown	30	...	27	3	-	63	...	3	58	2	-	...	-	-	-
Stillbirths*	448	44.5	428	19	1	45	17.6	42	1	2	43	20.2	41	2	-
Physician in hospital	444	...	424	19	1	42	...	40	-	2	40	...	39	1	-
Physician in home	1	...	1	-	-	2	...	2	-	-	3	...	2	1	-
Midwife, other, or unknown	3	...	3	-	-	1	...	-	1	-	-	...	-	-	-
Total deaths, all causes*	2891	8.0	2551	326	44	499	11.8	383	97	19	279	9.5	251	10	18
Deaths under 1 year*	264	25.9	208	49	7	35	41.0	20	11	4	20	31.1	15	2	3
Deaths under 1 month*	213	20.9	175	34	4	21	24.6	17	2	2	15	23.3	11	1	3
Tuberculosis of respiratory system (001-008)	12	3.3	10	2	-	8	19.0	4	4	-	4	13.6	1	-	3
Tuberculosis, other forms (010-019)	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	8	2.2	2	6	-	2	4.7	2	-	-	3	10.2	3	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	0.3	1	-	-	1	2.4	-	-	1	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	1	0.3	1	-	-	2	4.7	1	1	-	-	-	-	-	-
Diphtheria (055)	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	2	0.6	1	1	-	-	-	-	-	-	1	3.4	1	-	-
Meningococcal infections (057)	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	0.6	2	-	-	1	2.4	-	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)	11	3.1	10	1	-	2	4.7	-	2	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	498	138.4	451	45	2	81	191.9	65	13	3	42	142.4	41	-	1
Benign and unspecified neoplasms (210-239)	15	4.2	13	2	-	3	7.1	3	-	-	1	3.4	1	-	-
Diabetes mellitus (260)	39	10.8	38	1	-	5	11.8	4	1	-	5	17.0	4	1	-
Anemias (290-293)	13	3.6	12	1	-	2	4.7	1	1	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	384	106.7	360	24	-	61	144.5	38	23	-	39	132.3	37	1	1
Nonmeningococcal meningitis (340)	3	0.8	3	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	24	6.7	24	-	-	2	4.7	2	-	-	4	13.6	4	-	-
Arteriosclerotic and degenerative heart disease (420-422)	638	177.3	604	32	2	125	296.2	114	10	1	60	203.5	57	1	2
Other diseases of heart (430-434)	133	37.0	102	31	-	20	47.4	11	7	2	3	10.2	2	-	1
Hypertension with heart disease (440-443)	97	27.0	67	30	-	30	71.1	27	2	1	10	33.9	8	2	-
Hypertension without mention of heart (444-447)	25	6.9	17	8	-	4	9.5	3	1	-	3	10.2	3	-	-
Influenza (480-483)	3	0.8	-	3	-	1	2.4	1	-	-	1	3.4	1	-	-
Pneumonia (490-493)	77	21.4	69	8	-	12	28.4	6	3	3	6	20.3	5	-	1
Bronchitis (500-502)	4	1.1	4	-	-	-	-	-	-	-	2	6.8	2	-	-
Ulcer of stomach and duodenum (540, 541)	13	3.6	11	2	-	1	2.4	1	-	-	-	-	-	-	-
Appendicitis (550-553)	8	2.2	8	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	18	5.0	15	3	-	3	7.1	2	1	-	3	10.2	3	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	19	5.3	13	5	1	5	11.8	1	3	1	-	-	-	-	-
Cirrhosis of liver (581)	28	7.8	22	6	-	-	-	-	-	-	4	13.6	3	-	1
Nephritis and nephrosis (590-594)	39	10.8	30	9	-	15	35.5	8	6	1	4	13.6	3	1	-
Hyperplasia of prostate (610)	12	3.4	10	2	-	2	4.7	2	-	-	1	3.4	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	7	0.7	6	-	1	3	3.5	1	2	-	-	-	-	-	-
Congenital malformations (750-759)	40	11.1	36	3	1	10	23.7	8	1	1	4	13.6	4	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	83	23.1	65	15	3	4	9.5	4	-	-	7	23.7	4	1	2
Infections of the newborn (763-768)	10	2.8	6	4	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	88	24.5	78	9	1	7	16.6	6	-	1	6	20.3	5	-	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	125	34.7	98	24	3	15	35.5	9	5	1	8	27.1	8	-	-
All other diseases (Residual)	193	53.6	170	23	-	39	92.4	32	6	1	31	105.1	28	1	2
Motor-vehicle accidents (E810-E835)	72	20.0	65	7	-	9	21.3	8	-	1	11	37.3	10	-	1
All other accidents (E800-E802, E840-E962)	100	27.8	91	9	-	20	47.4	16	3	1	14	47.5	14	-	-
Suicide and self-inflicted injury (E963, E970-E979)	25	6.9	24	1	-	2	4.7	2	-	-	1	3.4	-	1	-
Homicide and operations of war (E964, E965, E980-E999)	18	5.0	9	9	-	2	4.7	1	1	-	1	3.4	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	OTTAWA					PAWNEE					PAYNE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	30,675		Wh.	Neg.	Ind.	12,009		Wh.	Neg.	Ind.	50,837		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*.	599	19.5	583	-	16	249	20.7	216	6	27	1017	20.0	965	42	10
Physician in hospital	543	...	526	-	15	243	...	211	5	27	996	...	946	41	9
Physician in home	54	...	53	-	1	3	...	3	-	-	8	...	6	1	1
Midwife, other, or unknown.	2	...	2	-	-	3	...	2	1	-	13	...	13	-	-
Stillbirths+.	6	10.0	6	-	-	2	8.0	1	-	1	7	6.9	6	1	-
Physician in hospital	3	...	3	-	-	2	...	1	-	1	7	...	6	1	-
Physician in home	3	...	3	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown.	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	343	11.2	337	-	6	146	12.2	131	5	10	318	6.3	306	10	2
Deaths under 1 year+.	12	20.0	12	-	-	8	32.1	7	-	1	20	19.7	18	2	-
Deaths under 1 month+	8	13.4	8	-	-	6	24.1	6	-	-	13	12.8	13	-	-
Tuberculosis of respiratory system (001-008)	22	71.7	20	-	2	-	-	-	-	-	2	3.9	2	-	-
Tuberculosis, other forms (010-019)	1	3.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	3.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	3.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	3.3	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	3.3	1	-	-	3	25.0	2	-	1	1	2.0	-	1	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	48	156.5	47	-	1	16	133.2	15	1	-	58	114.1	57	-	1
Benign and unspecified neoplasms (210-239).	2	6.5	2	-	-	1	8.3	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	-	-	-	-	-	1	8.3	1	-	-	7	13.8	7	-	-
Anemias (290-293)	4	13.0	4	-	-	1	8.3	1	-	-	2	3.9	2	-	-
Vascular lesions affecting central nervous system (330-334).	46	150.0	45	-	1	17	141.6	15	-	2	41	80.6	39	2	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	2.0	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	2	6.5	2	-	-	-	-	-	-	-	5	9.8	5	-	-
Arteriosclerotic and degenerative heart disease (420-422)	86	280.4	85	-	1	43	358.1	43	-	-	76	149.5	76	-	-
Other diseases of heart (430-434)	4	13.0	4	-	-	1	8.3	-	1	-	5	9.8	5	-	-
Hypertension with heart disease (440-443)	16	52.2	16	-	-	10	83.3	9	-	1	9	17.7	9	-	-
Hypertension without mention of heart (444-447)	1	3.3	1	-	-	-	-	-	-	-	3	5.9	3	-	-
Influenza (480-483)	2	6.5	2	-	-	1	8.3	1	-	-	2	3.9	1	1	-
Pneumonia (490-493)	13	42.4	13	-	-	6	50.0	6	-	-	4	7.9	4	-	-
Bronchitis (500-502).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541).	2	6.5	2	-	-	-	-	-	-	-	1	2.0	1	-	-
Appendicitis (550-553).	-	-	-	-	-	1	8.3	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	4	13.0	4	-	-	-	-	-	-	-	3	5.9	3	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	6.5	2	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	3.3	1	-	-	2	16.7	2	-	-	4	7.9	3	1	-
Nephritis and nephrosis (590-594)	8	26.1	8	-	-	6	50.0	6	-	-	7	13.8	7	-	-
Hyperplasia of prostate (610)	1	3.3	1	-	-	3	25.0	3	-	-	2	3.9	2	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	1	4.0	-	-	1	-	-	-	-	-
Congenital malformations (750-759)	2	6.5	2	-	-	1	8.3	1	-	-	4	7.9	4	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	-	-	-	-	-	1	8.3	1	-	-	5	9.8	5	-	-
Infections of the newborn (763-768)	1	3.3	1	-	-	1	8.3	1	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776).	6	19.6	6	-	-	3	25.0	3	-	-	8	15.7	8	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795).	4	13.0	4	-	-	1	8.3	1	-	-	16	31.5	14	2	-
All other diseases (Residual)	38	123.9	37	-	1	10	83.3	8	1	1	27	53.1	26	1	-
Motor-vehicle accidents (E810-E835)	6	19.6	6	-	-	5	41.6	3	-	2	10	19.7	9	-	1
All other accidents (E800-E802, E840-E962).	15	48.9	15	-	-	9	74.9	5	2	2	13	25.6	12	1	-
Suicide and self-inflicted injury (E963, E970-E979).	1	3.3	1	-	-	2	16.7	2	-	-	1	2.0	1	-	-
Homicide and operations of war (E964, E965, E980-E999).	1	3.3	1	-	-	-	-	-	-	-	1	2.0	-	1	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	PITTSBURG					PONTOTOC					POTTAWATOMIE				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	37,652		Wh.	Neg.	Ind.	30,875		Wh.	Neg.	Ind.	38,901		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*.	890	23.6	781	67	42	609	19.7	557	26	26	1013	26.0	926	40	47
Physician in hospital	811	...	717	54	40	582	...	535	24	23	990	...	912	35	43
Physician in home	43	...	40	2	1	27	...	22	2	3	16	...	12	1	3
Midwife, other, or unknown.	36	...	24	11	1	-	...	-	-	-	7	...	2	4	1
Stillbirths+.	18	20.2	13	4	1	11	18.1	9	2	-	10	9.9	7	2	1
Physician in hospital	18	...	13	4	1	10	...	8	2	-	10	...	7	2	1
Physician in home	-	...	-	-	-	1	...	1	-	-	-	...	-	-	-
Midwife, other, or unknown.	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	339	9.0	292	37	10	279	9.0	254	14	11	460	11.8	433	14	13
Deaths under 1 year+.	24	27.0	22	1	1	15	24.6	13	2	-	24	23.7	21	1	2
Deaths under 1 month+	22	24.7	21	1	-	11	18.1	9	2	-	18	17.8	17	-	1
Tuberculosis of respiratory system (001-008)	2	5.3	2	-	-	3	9.7	1	-	2	3	7.7	1	-	2
Tuberculosis, other forms (010-019)	2	5.3	-	-	2	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	1	3.2	-	1	-	1	2.6	1	-	-
Typhoid fever (040)	-	-	-	-	-	1	3.2	1	-	-	-	-	-	-	-
Dysentery, all forms (045-048).	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055).	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057).	-	-	-	-	-	1	3.2	1	-	-	-	-	-	-	-
Acute poliomyelitis (080)	1	2.7	1	-	-	-	-	-	-	-	2	5.1	2	-	-
Smallpox (084).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	1	2.6	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	2.7	1	-	-	4	13.0	3	1	-	3	7.7	3	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	56	148.7	52	3	1	41	132.8	41	-	-	62	159.4	59	2	1
Benign and unspecified neoplasms (210-239).	-	-	-	-	-	1	3.2	1	-	-	-	-	-	-	-
Diabetes mellitus (260)	6	15.9	4	2	-	6	19.4	6	-	-	8	20.6	8	-	-
Anemias (290-293)	1	2.7	1	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334).	53	140.8	42	10	1	58	187.9	55	3	-	62	159.4	60	1	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	2.7	1	-	-	3	9.7	3	-	-	5	12.9	3	1	1
Arteriosclerotic and degenerative heart disease (420-422)	82	217.8	76	4	2	60	194.3	57	1	2	123	316.2	121	1	1
Other diseases of heart (430-434)	10	26.6	7	2	1	2	6.5	2	-	-	7	18.0	6	-	1
Hypertension with heart disease (440-443)	12	31.9	10	2	-	9	29.1	8	1	-	24	61.7	23	1	-
Hypertension without mention of heart (444-447)	7	18.6	5	2	-	6	19.4	4	1	1	3	7.7	3	-	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	1	2.6	1	-	-
Pneumonia (490-493)	11	29.2	7	3	1	3	9.7	3	-	-	15	38.6	13	2	-
Bronchitis (500-502).	-	-	-	-	-	-	-	-	-	-	2	5.1	2	-	-
Ulcer of stomach and duodenum (540, 541).	1	2.7	1	-	-	-	-	-	-	-	1	2.6	1	-	-
Appendicitis (550-553).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	5	13.3	5	-	-	2	6.5	2	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	5.3	2	-	-	2	6.5	1	-	1	2	5.1	2	-	-
Cirrhosis of liver (581).	6	15.9	5	1	-	5	16.2	5	-	-	2	5.1	2	-	-
Nephritis and nephrosis (590-594)	6	15.9	5	1	-	5	16.2	5	-	-	2	5.1	2	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	5	16.2	3	2	-	5	12.9	4	1	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	1	1.6	-	1	-	1	1.0	1	-	-
Congenital malformations (750-759)	9	23.9	8	1	-	-	-	-	-	-	9	23.1	9	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	8.0	3	-	-	3	9.7	3	-	-	6	15.4	6	-	-
Infections of the newborn (763-768)	1	2.7	1	-	-	-	-	-	-	-	2	5.1	2	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776).	8	21.2	8	-	-	7	22.7	5	2	-	6	15.4	5	-	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795).	9	23.9	8	1	-	2	6.5	2	-	-	13	33.4	10	1	2
All other diseases (Residual)	22	58.4	18	3	1	21	68.0	18	1	2	50	128.5	46	3	1
Motor-vehicle accidents (E810-E835)	4	10.6	4	-	-	7	22.7	5	-	2	18	46.3	16	1	1
All other accidents (E800-E802, E840-E962).	12	31.9	10	1	1	13	42.1	12	-	1	17	43.7	17	-	-
Suicide and self-inflicted injury (E963, E970-E979).	3	8.0	3	-	-	6	19.4	6	-	-	3	7.7	2	-	1
Homicide and operations of war (E964, E965, E980-E999).	1	2.7	-	1	-	1	3.2	1	-	-	1	2.6	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	PUSHMATAHA					ROGER MILLS					ROGERS				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	12,001		Wh.	Neg.	Ind.	5,975		Wh.	Neg.	Ind.	19,532		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	211	17.6	182	6	23	127	21.3	117	-	10	390	20.0	361	8	21
Physician in hospital	137	...	112	3	22	126	...	116	-	10	366	...	341	5	20
Physician in home	74	...	70	3	1	1	...	1	-	-	24	...	20	3	1
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Stillbirths*	3	14.2	3	-	-	2	15.7	2	-	-	5	12.8	5	-	-
Physician in hospital	1	...	1	-	-	2	...	2	-	-	4	...	4	-	-
Physician in home	2	...	2	-	-	-	...	-	-	-	1	...	1	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	113	9.4	100	2	11	51	8.5	51	-	-	220	11.3	203	10	7
Deaths under 1 year+	3	14.2	3	-	-	1	7.9	1	-	-	10	25.6	10	-	-
Deaths under 1 month+	2	9.5	2	-	-	1	7.9	1	-	-	6	15.4	6	-	-
Tuberculosis of respiratory system (001-008)	4	33.3	4	-	-	-	-	-	-	-	2	10.2	2	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	4	20.5	3	1	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-071, 081-083, 086-096, 120-138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	24	200.0	21	1	2	7	117.2	7	-	-	33	169.0	31	-	2
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	5.1	-	1	-
Diabetes mellitus (260)	1	8.3	1	-	-	-	-	-	-	-	4	20.5	4	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	17	141.7	16	1	-	6	100.4	6	-	-	16	81.9	16	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	15	125.0	14	-	1	24	401.7	24	-	-	46	235.5	44	-	2
Other diseases of heart (430-434)	3	25.0	2	-	1	1	16.7	1	-	-	5	25.6	5	-	-
Hypertension with heart disease (440-443)	1	8.3	1	-	-	1	16.7	1	-	-	23	117.8	18	4	1
Hypertension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	1	8.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (490-493)	2	16.7	2	-	-	2	33.5	2	-	-	3	15.4	2	-	1
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	8.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	2	10.2	2	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	2	10.2	2	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	8.3	-	-	1	-	-	-	-	-	1	5.1	1	-	-
Cirrhosis of liver (581)	1	8.3	-	-	1	-	-	-	-	-	6	30.7	6	-	-
Nephritis and nephrosis (590-594)	2	16.7	2	-	-	1	16.7	1	-	-	3	15.4	3	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	1	5.1	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	1	2.6	1	-	-
Congenital malformations (750-759)	-	-	-	-	-	-	-	-	-	-	2	10.2	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	8.3	1	-	-	-	-	-	-	-	1	5.1	1	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	1	16.7	1	-	-	3	15.4	3	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	11	91.7	7	-	4	-	-	-	-	-	12	61.4	12	-	-
All other diseases (Residual)	16	133.3	16	-	-	5	83.7	5	-	-	19	97.3	15	4	-
Motor-vehicle accidents (E810-E835)	5	41.7	4	-	1	2	33.5	2	-	-	7	35.8	7	-	-
All other accidents (E800-E802, E810-E962)	4	33.3	4	-	-	1	16.7	1	-	-	15	76.8	15	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	-	-	-	-	-	2	10.2	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	3	25.0	3	-	-	-	-	-	-	-	3	15.4	2	-	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	SEMINOLE					SEQUOYAH					STEPHENS				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	31,947		Wh.	Neg.	Ind.	19,773		Wh.	Neg.	Ind.	35,338		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	727	22.8	578	86	63	381	19.3	318	23	40	1005	28.4	978	18	9
Physician in hospital	677	...	562	55	60	328	...	286	9	33	987	...	961	17	9
Physician in home	24	...	14	9	1	29	...	19	9	1	18	...	17	1	-
Midwife, other, or unknown	26	...	2	22	2	24	...	13	5	6	-	...	-	-	-
Stillbirths*	9	12.4	4	2	3	5	13.1	4	-	1	9	9.0	9	-	-
Physician in hospital	9	...	4	2	3	4	...	3	-	1	9	...	9	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	281	8.8	217	41	23	145	7.3	127	7	11	291	8.2	284	6	1
Deaths under 1 year+	22	30.3	14	6	2	11	28.9	8	1	2	21	20.9	21	-	-
Deaths under 1 month+	14	19.3	11	3	-	9	23.6	7	1	1	15	14.9	15	-	-
Tuberculosis of respiratory system (001-008)	3	9.4	3	-	-	-	-	-	-	-	2	5.7	2	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	3	9.4	1	2	-	-	-	-	-	-	2	5.7	2	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	1	3.1	1	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-071, 081-083, 086-096, 120-138)	1	3.1	1	-	-	1	5.1	1	-	-	1	2.8	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	42	131.5	38	1	3	23	116.3	21	1	1	48	135.8	48	-	-
Benign and unspecified neoplasms (210-239)	-	-	-	-	-	-	-	-	-	-	1	2.8	1	-	-
Diabetes mellitus (260)	6	18.8	3	1	2	2	10.1	1	-	1	1	2.8	1	-	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	1	2.8	1	-	-
Vascular lesions affecting central nervous system (330-334)	36	112.7	33	2	1	14	70.8	14	-	-	29	82.1	27	2	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	1	3.1	1	-	-	1	5.1	1	-	-	1	2.8	1	-	-
Arteriosclerotic and degenerative heart disease (420-422)	57	178.4	44	8	5	38	192.2	36	1	1	67	189.6	67	-	-
Other diseases of heart (430-434)	10	31.3	8	1	1	4	20.2	4	-	-	6	17.0	6	-	-
Hypertension with heart disease (440-443)	8	25.0	7	-	1	12	60.7	10	1	1	16	45.3	14	2	-
Hypertension without mention of heart (444-447)	2	6.3	1	1	-	2	10.1	2	-	-	2	5.7	2	-	-
Influenza (480-483)	4	12.5	1	3	-	-	-	-	-	-	2	5.7	2	-	-
Pneumonia (490-493)	6	18.8	5	1	-	4	20.2	3	-	1	7	19.8	7	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	2	6.3	2	-	-	-	-	-	-	-	4	11.3	4	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	1	2.8	1	-	-
Intestinal obstruction and hernia (560, 561, 570)	4	12.5	3	1	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	3.1	-	1	-	-	-	-	-	-	2	5.7	2	-	-
Cirrhosis of liver (581)	1	3.1	1	-	-	1	5.1	1	-	-	1	2.8	1	-	-
Nephritis and nephrosis (590-594)	5	15.7	2	1	2	2	10.1	2	-	-	6	17.0	6	-	-
Hyperplasia of prostate (610)	1	3.1	1	-	-	1	5.1	1	-	-	5	14.1	5	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	4	12.5	3	1	-	1	5.1	1	-	-	5	14.1	5	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	7	21.9	6	1	-	2	10.1	1	1	-	5	14.1	5	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	2	6.3	2	-	-	6	30.3	6	-	-	9	25.5	9	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	21	65.7	8	10	3	4	20.2	3	-	1	8	22.6	8	-	-
All other diseases (Residual)	20	62.6	14	5	1	10	50.6	7	1	2	27	76.4	26	1	-
Motor-vehicle accidents (E810-E835)	17	53.2	13	1	3	6	30.3	5	-	1	13	36.8	12	1	-
All other accidents (E800-E802, E810-E962)	12	37.6	11	-	1	9	45.5	5	2	2	16	45.3	16	-	-
Suicide and self-inflicted injury (E963, E970-E979)	3	9.4	3	-	-	2	10.1	2	-	-	2	5.7	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	1	3.1	1	-	-	-	-	-	-	-	1	2.8	1	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	TEXAS					TILLMAN					TULSA				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	16,080		Wh.	Neg.	Ind.	16,255		Wh.	Neg.	Ind.	276,472		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*.	348	21.6	348	-	-	343	21.1	248	93	2	7567	27.4	6798	627	142
Physician in hospital	342	...	342	-	-	267	...	208	57	2	7275	...	6673	462	140
Physician in home	6	...	6	-	-	64	...	38	26	-	143	...	118	23	2
Midwife, other, or unknown.	-	...	-	-	-	12	...	2	10	-	149	...	7	142	-
Stillbirths+.	2	5.7	2	-	-	6	17.5	4	2	-	145	19.2	109	17	2
Physician in hospital	2	...	2	-	-	4	...	4	-	-	128	...	109	17	2
Physician in home	-	...	-	-	-	2	...	-	2	-	9	...	7	2	-
Midwife, other, or unknown.	-	...	-	-	-	-	...	-	-	-	8	8.7	-	8	-
Total deaths, all causes*	105	6.5	105	-	-	154	9.5	135	19	-	2413	8.7	2077	313	23
Deaths under 1 year+.	6	17.2	6	-	-	9	26.2	5	4	-	211	27.9	170	37	4
Deaths under 1 month+	5	14.4	5	-	-	3	8.7	2	1	-	162	21.4	136	24	2
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	22	8.0	19	2	1
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	1	0.4	1	-	-
Syphilis and its sequelae (020-029)	1	6.2	1	-	-	1	6.2	1	-	-	11	4.0	9	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048).	-	-	-	-	-	-	-	-	-	-	3	1.1	1	2	-
Scarlet fever and streptococcal sore throat (050, 051).	-	-	-	-	-	-	-	-	-	-	1	0.4	1	-	-
Diphtheria (055).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057).	1	6.2	1	-	-	-	-	-	-	-	1	0.4	1	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	6	2.2	6	-	-
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).	-	-	-	-	-	-	-	-	-	-	11	4.0	10	-	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	16	99.5	16	-	-	23	141.5	20	3	-	366	132.4	339	23	4
Benign and unspecified neoplasms (210-239).	-	-	-	-	-	-	-	-	-	-	7	2.5	7	-	-
Diabetes mellitus (260)	2	12.4	2	-	-	-	-	-	-	-	29	10.5	25	4	-
Anemias (290-293)	-	-	-	-	-	-	-	-	-	-	4	1.4	4	-	-
Vascular lesions affecting central nervous system (330-334).	17	105.7	17	-	-	21	129.2	20	1	-	275	99.5	243	31	1
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	1	0.4	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	1	0.4	1	-	-
Chronic rheumatic heart disease (410-416) .	-	-	-	-	-	1	6.2	1	-	-	23	8.3	21	2	-
Arteriosclerotic and degenerative heart disease (420-422)	30	186.6	30	-	-	52	319.9	47	5	-	584	211.2	542	40	2
Other diseases of heart (430-434)	6	37.3	6	-	-	1	6.2	1	-	-	32	11.6	30	2	-
Hypertension with heart disease (440-443) .	4	24.9	4	-	-	6	36.9	6	-	-	97	35.1	64	31	2
Hypertension without mention of heart (444-447)	1	6.2	1	-	-	1	6.2	1	-	-	18	6.5	14	4	-
Influenza (480-483)	-	-	-	-	-	-	-	-	-	-	4	1.4	4	-	-
Pneumonia (490-493)	2	12.4	2	-	-	8	49.2	5	3	-	59	21.3	47	10	2
Bronchitis (500-502).	-	-	-	-	-	-	-	-	-	-	3	1.1	1	2	-
Ulcer of stomach and duodenum (540, 541). .	-	-	-	-	-	2	12.3	2	-	-	10	3.6	7	3	-
Appendicitis (550-553).	1	6.2	1	-	-	-	-	-	-	-	4	1.4	4	-	-
Intestinal obstruction and hernia (560, 561, 570)	2	12.4	2	-	-	2	12.3	2	-	-	17	6.1	12	5	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	2	12.3	2	-	-	14	5.1	9	5	-
Cirrhosis of liver (581).	1	6.2	1	-	-	3	18.5	3	-	-	20	7.2	20	-	-
Nephritis and nephrosis (590-594)	2	12.4	2	-	-	1	6.2	1	-	-	53	19.2	33	20	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	10	3.6	10	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+.	-	-	-	-	-	-	-	-	-	-	4	0.5	-	3	1
Congenital malformations (750-759).	-	-	-	-	-	2	12.3	1	1	-	36	13.0	34	2	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	3	18.7	3	-	-	-	-	-	-	-	49	17.7	42	5	2
Infections of the newborn (763-768)	-	-	-	-	-	1	6.2	-	1	-	6	2.2	3	3	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776). . .	2	12.4	2	-	-	1	6.2	1	-	-	75	27.1	67	8	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795). . .	3	18.7	3	-	-	3	18.5	3	-	-	93	33.6	68	24	1
All other diseases (Residual)	6	37.3	6	-	-	5	30.8	4	1	-	218	78.9	181	34	3
Motor-vehicle accidents (E810-E835)	-	-	-	-	-	11	67.7	8	3	-	67	24.2	61	4	2
All other accidents (E800-E802, E840-E962).	4	24.9	4	-	-	4	24.6	3	1	-	126	45.6	97	28	1
Suicide and self-inflicted injury (E963, E970-E979).	-	-	-	-	-	2	12.3	2	-	-	28	10.1	26	2	-
Homicide and operations of war (E964, E965, E980-E999).	1	6.2	1	-	-	1	6.2	1	-	-	24	8.7	12	12	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	WAGONER					WASHINGTON					WASHITA				
	Total		Race			Total		Race			Total		Race		
Estimated population, July 1, 1954	14,658		Wh.	Neg.	Ind.	33,866		Wh.	Neg.	Ind.	15,693		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*.	320	21.8	238	73	9	874	25.8	821	40	13	220	14.0	216	2	2
Physician in hospital	200	...	169	23	8	863	...	810	40	13	206	...	202	2	2
Physician in home	86	...	63	22	1	10	...	10	-	-	10	...	10	-	-
Midwife, other, or unknown.	34	...	6	28	-	1	...	1	-	-	4	...	4	-	-
Stillbirths+.	2	6.3	1	1	-	15	17.2	14	1	-	4	18.2	4	-	-
Physician in hospital	2	...	1	1	-	15	...	14	1	-	4	...	4	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown.	-	...	-	-	-	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	146	10.0	98	43	5	280	8.3	261	12	7	135	8.6	133	2	-
Deaths under 1 year+.	8	25.0	5	3	-	20	22.9	17	2	1	8	36.4	8	-	-
Deaths under 1 month+	6	18.8	5	1	-	17	19.5	15	2	-	6	27.3	6	-	-
Tuberculosis of respiratory system (001-008)	1	6.8	1	-	-	-	-	-	-	-	2	12.7	2	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	1	6.4	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056).	-	-	-	-	-	-	-	-	-	-	1	6.4	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	13.6	1	1	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	29	197.8	21	7	1	39	115.2	35	3	1	25	159.3	25	-	-
Benign and unspecified neoplasms (210-239).	-	-	-	-	-	2	5.9	1	1	-	-	-	-	-	-
Diabetes mellitus (260)	3	20.5	2	-	1	5	14.8	5	-	-	-	-	-	-	-
Anemias (290-293)	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334).	16	109.2	10	6	-	29	85.6	28	1	-	14	89.2	14	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416) .	-	-	-	-	-	4	11.8	4	-	-	2	12.7	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	36	245.6	28	7	1	64	189.0	63	1	-	38	242.1	38	-	-
Other diseases of heart (430-434)	1	6.8	-	1	-	10	29.5	8	1	1	1	6.4	1	-	-
Hypertension with heart disease (440-443) .	8	54.6	6	2	-	17	50.2	16	1	-	7	44.6	6	1	-
Hypertension without mention of heart (444-447)	2	13.6	1	1	-	-	-	-	-	-	1	6.4	1	-	-
Influenza (480-483)	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Pneumonia (490-493)	1	6.8	-	1	-	7	20.7	6	-	1	6	38.2	5	1	-
Bronchitis (500-502).	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541). .	-	-	-	-	-	3	8.9	3	-	-	1	6.4	1	-	-
Appendicitis (550-553).	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	3	20.5	1	1	1	2	5.9	2	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	13.6	1	1	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581).	2	13.6	2	-	-	2	5.9	2	-	-	1	6.4	1	-	-
Nephritis and nephrosis (590-594)	2	13.6	2	-	-	3	8.9	3	-	-	2	12.7	2	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-	1	6.4	1	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+.	-	-	-	-	-	1	1.1	1	-	-	-	-	-	-	-
Congenital malformations (750-759).	1	6.8	1	-	-	5	14.8	5	-	-	2	12.7	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	6.8	1	-	-	8	23.6	6	2	-	2	12.7	2	-	-
Infections of the newborn (763-768)	-	-	-	-	-	1	3.0	1	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776). . .	4	27.3	2	2	-	6	17.7	6	-	-	3	19.1	3	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795). . .	4	27.3	1	3	-	10	29.5	10	-	-	3	19.1	3	-	-
All other diseases (Residual)	12	81.9	8	4	-	20	59.1	18	-	2	7	44.6	7	-	-
Motor-vehicle accidents (E810-E835)	8	54.6	5	3	-	11	32.5	10	-	1	8	51.0	8	-	-
All other accidents (E800-E802, E840-E962).	6	40.9	2	3	1	25	73.8	23	1	1	5	31.9	5	-	-
Suicide and self-inflicted injury (E963, E970-E979).	2	13.6	2	-	-	-	-	-	-	-	2	12.7	2	-	-
Homicide and operations of war (E964, E965, E980-E999).	-	-	-	-	-	2	5.9	1	1	-	-	-	-	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1954
(Continued)

	WOODS					WOODWARD				
	Total		Race			Total	Race			
Estimated population, July 1, 1954	14,360		Wh.	Neg.	Ind.	14,383	Wh.	Neg.	Ind.	
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	250	17.4	249	-	1	242	16.8	241	-	1
Physician in hospital	237	...	236	-	1	235	...	234	-	1
Physician in home	13	...	13	-	-	5	...	5	-	-
Midwife, other, or unknown	-	...	-	-	-	2	...	2	-	-
Stillbirths+	1	4.0	1	-	-	5	20.7	5	-	-
Physician in hospital	1	...	1	-	-	5	...	5	-	-
Physician in home	-	...	-	-	-	-	...	-	-	-
Midwife, other, or unknown	-	...	-	-	-	-	...	-	-	-
Total deaths, all causes*	120	8.4	120	-	-	133	9.2	133	-	-
Deaths under 1 year+	6	24.0	6	-	-	4	16.5	4	-	-
Deaths under 1 month+	4	16.0	4	-	-	4	16.5	4	-	-
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	1	7.0	1	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	1	7.0	1	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 052)	-	-	-	-	-	-	-	-	-	-
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, 059-071, 081-083, 086-096, 120-138)	-	-	-	-	-	2	13.9	2	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	17	118.4	17	-	-	20	139.1	20	-	-
Benign and unspecified neoplasms (210-239)	1	7.0	1	-	-	2	13.9	2	-	-
Diabetes mellitus (260)	4	27.9	4	-	-	4	27.8	4	-	-
Anemias (290-293)	2	13.9	2	-	-	-	-	-	-	-
Vascular lesions affecting central nervous system (330-334)	21	146.2	21	-	-	21	146.0	21	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	6	41.8	6	-	-	2	13.9	2	-	-
Arteriosclerotic and degenerative heart disease (420-422)	20	139.3	20	-	-	35	243.3	35	-	-
Other diseases of heart (430-434)	6	41.8	6	-	-	2	13.9	2	-	-
Hypertension with heart disease (440-443)	5	34.8	5	-	-	8	55.6	8	-	-
Hypertension without mention of heart (444-447)	1	7.0	1	-	-	3	20.9	3	-	-
Influenza (480-483)	1	7.0	1	-	-	-	-	-	-	-
Pneumonia (490-493)	6	41.8	6	-	-	4	27.8	4	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	1	7.0	1	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	13.9	2	-	-	1	7.0	1	-	-
Hyperplasia of prostate (610)	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	-	-	-	-	-	2	13.9	2	-	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	7.0	1	-	-	3	20.9	3	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	3	20.9	3	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	5	34.8	5	-	-	1	7.0	1	-	-
All other diseases (Residual)	12	83.6	12	-	-	12	83.4	12	-	-
Motor-vehicle accidents (E810-E835)	2	13.9	2	-	-	4	27.8	4	-	-
All other accidents (E800-E802, E840-E962)	4	27.9	4	-	-	3	20.9	3	-	-
Suicide and self-inflicted injury (E963, E970-E979)	-	-	-	-	-	2	13.9	2	-	-
Homicide and operations of war (E964, E965, E980-E999)	-	-	-	-	-	-	-	-	-	-

TABLE VI. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE
OKLAHOMA CITY AND TULSA, 1954

	OKLAHOMA CITY					TULSA				
	Total		Race			Total		Race		
Estimated population, July 1, 1954	260,113		Wh.	Neg.	Ind.	199,987		Wh.	Neg.	Ind.
	No.	Rate	No.	No.	No.	No.	Rate	No.	No.	No.
Live births*	7230	27.8	6159	980	91	5860	29.3	5178	564	118
Physician in hospital	7162	...	6103	970	89	5646	...	5103	425	118
Physician in home	47	...	37	8	2	85	...	71	14	-
Midwife, other, or unknown	21	...	19	2	-	129	...	4	125	-
Stillbirths+	108	14.9	90	17	1	117	20.0	90	25	2
Physician in hospital	104	...	86	17	1	105	...	87	16	2
Physician in home	1	...	1	-	-	5	...	3	2	-
Midwife, other, or unknown	3	...	3	-	-	7	...	-	7	-
Total deaths, all causes*	2331	9.0	2051	268	12	1975	9.9	1676	287	12
Deaths under 1 year+	202	27.9	151	44	7	179	30.5	144	33	2
Deaths under 1 month+	162	22.4	126	32	4	140	23.9	116	23	1
Tuberculosis of respiratory system (001-008)	11	4.2	9	2	-	16	8.0	14	2	-
Tuberculosis, other forms (010-019)	1	0.4	1	-	-	1	0.5	1	-	-
Syphilis and its sequelae (020-029)	8	3.1	2	6	-	10	5.0	8	2	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	1	0.4	1	-	-	3	1.5	1	2	-
Scarlet fever and streptococcal sore throat (050, 052)	1	0.4	1	-	-	1	0.5	1	-	-
Diphtheria (055)	1	0.4	1	-	-	-	-	-	-	-
Whooping cough (056)	2	0.8	1	1	-	-	-	-	-	-
Meningococcal infections (057)	1	0.4	1	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	0.8	2	-	-	5	2.5	5	-	-
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, 059-071, 081-083, 086-096, 120-138)	6	2.3	5	1	-	10	5.0	10	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	393	151.1	358	33	2	298	149.0	275	20	3
Benign and unspecified neoplasms (210-239)	15	5.8	13	2	-	5	2.5	5	-	-
Diabetes mellitus (260)	29	11.1	28	1	-	24	12.0	20	4	-
Anemias (290-293)	10	3.8	9	1	-	3	1.5	3	-	-
Vascular lesions affecting central nervous system (330-334)	321	123.4	305	16	-	226	113.0	198	28	-
Nonmeningococcal meningitis (340)	2	0.8	2	-	-	1	0.5	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	1	0.5	1	-	-
Chronic rheumatic heart disease (410-416)	18	6.9	18	-	-	20	10.0	18	2	-
Arteriosclerotic and degenerative heart disease (420-422)	510	196.1	481	28	1	493	246.5	458	35	-
Other diseases of heart (430-434)	110	42.3	85	25	-	22	11.0	20	2	-
Hypertension with heart disease (440-443)	73	28.1	48	25	-	73	36.5	47	26	-
Hypertension without mention of heart (444-447)	20	7.7	13	7	-	14	7.0	10	4	-
Influenza (480-483)	2	0.8	-	2	-	2	1.0	2	-	-
Pneumonia (490-493)	60	23.1	56	4	-	52	26.0	41	9	2
Bronchitis (500-502)	3	1.2	3	-	-	3	1.5	1	2	-
Ulcer of stomach and duodenum (540, 541)	12	4.6	10	2	-	9	4.5	7	2	-
Appendicitis (550-553)	7	2.7	7	-	-	3	1.5	3	-	-
Intestinal obstruction and hernia (560, 561, 570)	13	5.0	10	3	-	15	7.5	10	5	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	15	5.8	9	5	1	12	6.0	8	4	-
Cirrhosis of liver (581)	25	9.6	19	6	-	18	9.0	18	-	-
Nephritis and nephrosis (590-594)	30	11.5	22	8	-	42	21.0	23	19	-
Hyperplasia of prostate (610)	10	3.8	8	2	-	7	3.5	7	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)+	5	0.7	5	-	-	4	0.7	-	3	1
Congenital malformations (750-759)	32	12.3	28	3	1	30	15.0	29	1	-
Birth injuries, postnatal asphyxia and atelectasis (760-762)	66	25.4	48	15	3	38	19.0	33	5	-
Infections of the newborn (763-768)	8	3.1	4	4	-	5	2.5	2	3	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	66	25.4	56	9	1	66	33.0	58	8	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	110	42.3	90	17	3	77	38.5	52	24	1
All other diseases (Residual)	163	62.7	146	17	-	170	85.0	135	33	2
Motor-vehicle accidents (E810-E835)	56	21.5	49	7	-	49	24.5	43	4	2
All other accidents (E800-E802, E840-E962)	78	30.0	71	7	-	100	50.0	75	24	1
Suicide and self-inflicted injury (E963, E970-E979)	20	7.7	19	1	-	26	13.0	24	2	-
Homicide and operations of war (E964, E965, E980-E999)	15	5.8	7	8	-	21	10.5	9	12	-

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1954

	Ada		Altus		Alva		Anadarko		Antlers		Ardmore	
Estimated population, July 1, 1954	16,356		10,220		7,121		6,443		2,506		18,315	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	383	23.4	411	40.5	130	18.3	145	22.5	60	23.9	604	33.0
Stillbirths+	9	23.5	6	14.5	-	-	3	20.7	-	-	10	16.6
Deaths, all causes*	173	10.6	96	9.4	71	10.0	67	10.4	38	15.2	200	10.9
Infant deaths+	7	18.3	6	14.5	6	46.2	8	55.2	1	16.7	16	26.5
Neonatal deaths+	6	15.7	5	12.1	4	30.8	7	48.3	1	16.7	10	16.6
Maternal deaths+	1	2.6	1	2.4	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	48	293.5	25	244.6	24	337.0	20	310.4	7	279.3	69	376.7
Malignant neoplasms (140-205)	27	165.1	11	107.6	6	84.3	9	139.7	10	399.0	32	174.7
Vascular lesions affecting central nervous system (330-334)	37	226.2	17	166.3	11	154.5	9	139.7	4	159.6	31	169.3
Accidents (E800-E962)	11	67.3	1	9.8	4	56.2	3	46.6	2	79.8	15	81.9
Certain diseases of early infancy (760-776)	6	36.7	3	29.4	4	56.2	6	93.1	1	39.9	7	38.2
Influenza and pneumonia (480-493)	-	-	3	29.4	6	84.3	-	-	-	-	9	49.1
Nephritis and nephrosis (590-594)	5	30.6	4	39.1	1	14.0	2	31.0	1	39.9	4	21.8
Diabetes mellitus (260)	5	30.6	-	-	3	42.1	1	15.5	1	39.9	1	5.5
Congenital malformations (750-759)	-	-	2	19.6	-	-	2	31.0	-	-	2	10.9

	Atoka		Bartlesville		Bethany		Blackwell		Bristow		Broken Arrow	
Estimated population, July 1, 1954	2,699		20,486		7,031		9,480		5,400		3,768	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	73	27.0	497	24.3	245	34.8	208	21.9	99	18.3	92	24.4
Stillbirths+	1	13.7	12	24.1	4	16.3	2	9.6	3	30.3	3	32.6
Deaths, all causes*	33	12.2	165	8.1	40	5.7	99	10.4	65	12.0	50	13.3
Infant deaths+	1	13.7	16	32.2	6	24.5	8	38.5	3	30.3	3	32.6
Neonatal deaths+	-	-	14	28.2	5	20.4	4	19.2	3	30.3	3	32.6
Maternal deaths+	-	-	1	2.0	1	4.1	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	11	407.6	55	268.5	15	213.3	37	390.3	21	388.9	16	424.6
Malignant neoplasms (140-205)	7	259.4	26	126.9	8	113.8	10	105.5	12	222.2	11	291.9
Vascular lesions affecting central nervous system (330-334)	2	74.1	19	92.7	3	42.7	19	200.4	8	148.1	4	106.2
Accidents (E800-E962)	4	148.2	15	73.2	1	14.2	9	94.9	3	55.6	6	159.2
Certain diseases of early infancy (760-776)	-	-	13	63.5	5	71.1	3	31.6	3	55.6	2	53.1
Influenza and pneumonia (480-493)	-	-	4	19.5	1	14.2	1	10.5	1	18.5	1	26.5
Nephritis and nephrosis (590-594)	-	-	2	9.8	-	-	-	-	-	-	2	53.1
Diabetes mellitus (260)	1	37.1	5	24.4	1	14.2	-	-	-	-	1	26.5
Congenital malformations (750-759)	-	-	3	14.6	-	-	2	21.1	-	-	1	26.5

	Chandler		Checotah		Cherokee		Chickasha		Claremore		Clinton	
Estimated population, July 1, 1954	2,724		2,855		2,667		16,577		6,072		7,904	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	69	25.3	61	21.4	48	18.0	350	21.1	137	22.6	215	27.2
Stillbirths+	1	14.5	-	-	1	20.8	4	11.4	-	-	1	4.7
Deaths, all causes*	40	14.7	52	18.2	34	12.7	175	10.6	98	16.1	84	10.6
Infant deaths+	2	29.0	4	65.6	1	20.8	14	40.0	6	43.8	10	46.5
Neonatal deaths+	2	29.0	3	49.2	1	20.8	8	22.9	4	29.2	6	27.9
Maternal deaths+	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	11	403.8	15	525.4	13	487.4	55	331.8	36	592.9	25	316.3
Malignant neoplasms (140-205)	6	220.3	5	175.1	7	262.5	31	187.0	10	164.7	14	177.1
Vascular lesions affecting central nervous system (330-334)	2	73.4	8	280.2	5	187.5	20	120.6	3	49.4	8	101.2
Accidents (E800-E962)	3	110.1	2	70.1	4	150.0	13	78.4	12	197.6	11	139.2
Certain diseases of early infancy (760-776)	1	36.7	2	70.1	1	37.5	8	48.3	3	49.4	6	75.9
Influenza and pneumonia (480-493)	-	-	3	105.1	2	75.0	9	54.3	2	32.9	6	75.9
Nephritis and nephrosis (590-594)	-	-	-	-	-	-	1	6.0	1	16.5	3	38.0
Diabetes mellitus (260)	1	36.7	1	35.0	1	37.5	3	18.1	2	32.9	-	-
Congenital malformations (750-759)	1	36.7	1	35.0	-	-	2	12.1	1	16.5	1	12.7

See notes on Table A.
** Diseases of the arteries (450-456) has been omitted from this list since tabulations for cities were made for the 50-cause list only.

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1954
(Continued)

	Cordell		Cushing		Del City		Dewey		Drumright		Duncan	
Estimated population, July 1, 1954	2,980		8,716		2,541		2,683		5,338		16,630	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	40	13.4	230	26.4	54	21.3	111	41.4	106	19.9	572	34.4
Stillbirths+	1	25.0	2	8.7	3	55.6	1	9.0	4	37.7	6	10.5
Deaths, all causes*	31	10.4	96	11.0	8	3.1	30	11.2	40	7.5	129	7.8
Infant deaths+	1	25.0	4	17.4	1	18.5	2	18.0	6	56.6	12	21.0
Neonatal deaths+	1	25.0	3	13.0	1	18.5	2	18.0	2	18.9	10	17.5
Maternal deaths+	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	13	436.2	38	436.0	2	78.7	10	372.7	15	281.0	43	258.6
Malignant neoplasms (140-205)	6	201.3	18	206.5	3	118.1	4	149.1	4	74.9	28	168.4
Vascular lesions affecting central nervous system (330-334)	2	67.1	16	183.6	-	-	-	-	4	74.9	13	78.2
Accidents (E800-E962)	1	33.6	3	34.4	2	78.7	4	149.1	3	56.2	8	48.1
Certain diseases of early infancy (760-776)	1	33.6	2	22.9	-	-	2	74.5	2	37.5	9	54.1
Influenza and pneumonia (480-493)	1	33.6	2	22.9	-	-	1	37.3	1	18.7	1	6.0
Nephritis and nephrosis (590-594)	1	33.6	3	34.4	-	-	-	-	2	37.5	3	18.0
Diabetes mellitus (260)	-	-	1	11.5	-	-	-	-	-	-	1	6.0
Congenital malformations (750-759)	-	-	2	22.9	1	39.4	1	37.3	2	37.5	4	24.1

	Durant		Edmond		Elk City		El Reno		Enid		Eufaula	
Estimated population, July 1, 1954	10,758		6,970		9,212		11,378		39,392		2,621	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	216	20.1	199	28.6	149	16.2	238	20.9	1199	30.4	58	22.1
Stillbirths+	5	23.1	1	5.0	6	40.3	-	-	10	8.3	2	34.5
Deaths, all causes*	154	14.3	60	8.6	81	8.8	142	12.5	360	9.1	52	19.8
Infant deaths+	7	32.4	1	5.0	6	40.3	3	12.6	27	22.5	2	34.5
Neonatal deaths+	5	23.1	1	5.0	5	33.6	1	4.2	22	18.3	2	34.5
Maternal deaths+	-	-	-	-	1	6.7	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	68	632.1	18	258.2	33	358.2	55	483.4	106	269.1	20	763.1
Malignant neoplasms (140-205)	23	213.8	15	215.2	7	76.0	19	167.0	60	152.3	15	572.3
Vascular lesions affecting central nervous system (330-334)	15	139.4	9	129.1	13	141.1	14	123.0	56	142.2	4	152.6
Accidents (E800-E962)	11	102.2	-	-	10	108.6	7	61.5	33	83.8	1	38.2
Certain diseases of early infancy (760-776)	5	46.5	1	14.3	6	65.1	1	8.8	18	45.7	1	38.2
Influenza and pneumonia (480-493)	1	9.3	-	-	2	21.7	9	79.1	8	20.3	1	38.2
Nephritis and nephrosis (590-594)	1	9.3	-	-	-	-	-	-	3	7.6	3	114.5
Diabetes mellitus (260)	4	37.2	3	43.0	1	10.9	3	26.4	6	15.2	1	38.2
Congenital malformations (750-759)	-	-	-	-	-	-	1	8.8	6	15.2	-	-

	Frederick		Guthrie		Guymon		Healdton		Henryetta		Hobart	
Estimated population, July 1, 1954	5,620		10,156		5,751		2,795		8,446		5,465	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	160	28.5	202	19.9	137	23.8	70	25.0	153	18.1	123	22.5
Stillbirths+	3	18.8	2	9.9	1	7.3	-	-	2	13.1	-	-
Deaths, all causes*	71	12.6	150	14.8	52	9.0	31	11.1	91	10.8	62	11.3
Infant deaths+	4	25.0	6	29.7	4	29.2	2	28.6	6	39.2	4	32.5
Neonatal deaths+	2	12.5	4	19.8	3	21.9	1	14.3	3	19.6	3	24.4
Maternal deaths+	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	29	516.0	46	452.9	19	330.4	9	322.0	36	426.2	25	457.5
Malignant neoplasms (140-205)	8	142.3	28	275.7	9	156.5	3	107.3	19	225.0	8	146.4
Vascular lesions affecting central nervous system (330-334)	7	124.6	24	236.3	10	173.9	2	71.6	5	59.2	12	219.6
Accidents (E800-E962)	6	106.8	9	88.6	4	69.6	8	286.2	3	35.5	3	54.9
Certain diseases of early infancy (760-776)	1	17.8	5	49.2	3	52.2	1	35.8	2	23.7	3	54.9
Influenza and pneumonia (480-493)	2	35.6	8	78.8	-	-	3	107.3	2	23.7	4	73.2
Nephritis and nephrosis (590-594)	1	17.8	4	39.4	-	-	-	-	4	47.4	-	-
Diabetes mellitus (260)	-	-	3	29.5	1	17.4	-	-	3	35.5	1	18.3
Congenital malformations (750-759)	1	17.8	1	9.8	-	-	1	35.8	1	11.8	-	-

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1954
(Continued)

	Holdenville		Hollis		Hominy		Hugo		Idabel		Kingfisher	
Estimated population, July 1, 1954	6,192		3,242		2,702		6,018		5,088		3,345	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	127	20.5	41	12.6	78	28.9	100	16.6	112	22.0	62	18.5
Stillbirths+	2	15.7	-	-	2	25.6	1	10.0	1	8.9	-	-
Deaths, all causes*	90	14.5	35	10.8	37	13.7	86	14.3	65	12.8	32	9.6
Infant deaths+	4	31.5	1	24.4	5	64.1	4	40.0	5	44.6	1	16.1
Neonatal deaths+	2	15.7	-	-	4	51.3	3	30.0	2	17.9	1	16.1
Maternal deaths+	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	31	500.6	13	401.0	13	481.1	23	382.2	15	294.8	11	328.8
Malignant neoplasms (140-205)	17	274.5	5	154.2	4	148.0	12	199.4	8	157.2	3	89.7
Vascular lesions affecting central nervous system (330-334)	8	129.2	10	308.5	4	148.0	11	182.8	13	255.5	5	149.5
Accidents (E800-E962)	5	80.7	-	-	1	37.0	4	66.5	5	98.3	3	89.7
Certain diseases of early infancy (760-776)	2	32.3	-	-	3	111.0	2	33.2	2	39.3	1	29.9
Influenza and pneumonia (480-493)	-	-	1	30.8	1	37.0	2	33.2	5	98.3	2	59.8
Nephritis and nephrosis (590-594)	1	16.1	1	30.8	-	-	-	-	2	39.3	2	59.8
Diabetes mellitus (260)	4	64.6	1	30.8	1	37.0	4	66.5	3	59.0	-	-
Congenital malformations (750-759)	1	16.1	-	-	1	37.0	1	16.6	-	-	-	-

	Konawa		Lawton		Lindsay		McAlester		Madill		Mangum	
Estimated population, July 1, 1954	2,920		37,656		3,544		20,207		2,876		4,305	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	29	9.9	1348	35.8	92	26.0	425	21.0	46	16.0	63	14.6
Stillbirths+	-	-	24	17.8	4	43.5	9	21.2	4	87.0	-	-
Deaths, all causes*	16	5.5	294	7.8	24	6.8	142	7.0	34	11.8	58	13.5
Infant deaths+	1	34.5	77	57.1	1	10.9	9	21.2	1	21.7	2	31.7
Neonatal deaths+	-	-	56	41.5	1	10.9	9	21.2	1	21.7	2	31.7
Maternal deaths+	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	7	239.7	83	220.4	6	169.3	43	212.8	12	417.2	17	394.9
Malignant neoplasms (140-205)	5	171.2	40	106.2	6	169.3	28	138.6	6	208.6	9	209.1
Vascular lesions affecting central nervous system (330-334)	-	-	24	63.7	2	56.4	28	138.6	4	139.1	11	255.5
Accidents (E800-E962)	1	34.2	19	50.5	3	84.7	5	24.7	4	139.1	2	46.5
Certain diseases of early infancy (760-776)	-	-	51	135.4	1	28.2	4	19.8	1	34.8	2	46.5
Influenza and pneumonia (480-493)	-	-	9	23.9	-	-	2	9.9	1	34.8	1	23.2
Nephritis and nephrosis (590-594)	-	-	4	10.6	-	-	2	9.9	-	-	-	-
Diabetes mellitus (260)	-	-	1	2.7	1	28.2	2	9.9	-	-	-	-
Congenital malformations (750-759)	-	-	10	26.6	-	-	5	24.7	-	-	-	-

	Marlow		Miami		Midwest City		Muskogee		Nichols Hills		Norman	
Estimated population, July 1, 1954	3,612		13,272		11,598		39,397		3,312		29,063	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	83	23.0	240	18.1	585	50.4	787	20.0	18	5.4	718	24.7
Stillbirths+	1	12.0	1	4.2	10	17.1	12	15.2	-	-	8	11.1
Deaths, all causes*	53	14.7	118	8.9	66	5.7	450	11.4	11	3.3	167	5.7
Infant deaths+	2	24.1	7	29.2	13	22.2	29	36.8	-	-	17	23.7
Neonatal deaths+	1	12.0	6	25.0	13	22.2	19	24.1	-	-	12	16.7
Maternal deaths+	-	-	-	-	-	-	3	3.8	-	-	1	1.4
Deaths from leading causes:**												
Diseases of the heart (410-443)	15	415.3	36	271.2	17	146.6	160	406.1	6	181.2	54	185.8
Malignant neoplasms (140-205)	8	221.5	16	120.6	17	146.6	56	142.1	2	60.4	14	48.2
Vascular lesions affecting central nervous system (330-334)	9	249.2	19	143.2	5	43.1	51	129.5	-	-	34	117.0
Accidents (E800-E962)	5	138.4	8	60.3	2	17.2	30	76.1	-	-	12	41.3
Certain diseases of early infancy (760-776)	-	-	6	45.2	12	103.5	14	35.5	-	-	9	31.0
Influenza and pneumonia (480-493)	3	83.1	4	30.1	-	-	8	20.3	-	-	5	17.2
Nephritis and nephrosis (590-594)	1	27.7	1	7.5	1	8.6	10	25.4	-	-	1	3.4
Diabetes mellitus (260)	-	-	-	-	1	8.6	3	7.6	-	-	3	10.3
Congenital malformations (750-759)	1	27.7	2	15.1	1	8.6	5	12.7	-	-	5	17.2

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1954
(Continued)

	Nowata		Okemah		Okla. City		Okmulgee		Pauls Valley		Pawhuska	
Estimated population, July 1, 1954	3,991		3,454		260,113		19,282		7,657		5,331	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	109	27.3	63	18.2	7230	27.8	379	19.7	214	27.9	140	26.3
Stillbirths+	2	18.3	1	15.9	108	14.9	5	13.2	5	23.4	4	28.6
Deaths, all causes*	56	14.0	39	11.3	2331	9.0	232	12.0	48	6.3	62	11.6
Infant deaths+	2	18.3	2	31.7	202	27.9	18	47.5	5	23.4	4	28.6
Neonatal deaths+	2	18.3	2	31.7	162	22.4	11	29.0	5	23.4	2	14.3
Maternal deaths+	-	-	-	-	5	0.7	1	2.6	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	23	576.3	11	318.5	711	273.3	83	430.5	13	169.8	14	262.6
Malignant neoplasms (140-205)	8	200.5	7	202.7	393	151.1	33	171.1	9	117.5	11	206.3
Vascular lesions affecting central nervous system (330-334)	6	150.3	4	115.8	321	123.4	40	207.4	5	65.3	10	187.6
Accidents (E800-E962)	3	75.2	3	86.9	134	51.5	15	77.8	3	39.2	5	93.8
Certain diseases of early infancy (760-776)	2	50.1	2	57.9	140	53.8	6	31.1	5	65.3	1	18.8
Influenza and pneumonia (480-493)	1	25.1	2	57.9	62	23.8	1	5.2	1	13.1	1	18.8
Nephritis and nephrosis (590-594)	1	25.1	-	-	30	11.5	6	31.1	2	26.1	1	18.8
Diabetes mellitus (260)	1	25.1	1	29.0	29	11.1	2	10.4	2	26.1	1	18.8
Congenital malformations (750-759)	-	-	-	-	32	12.3	4	20.7	-	-	1	18.8

	Pawnee		Perry		Picher		Ponca City		Poteau		Pryor	
Estimated population, July 1, 1954	2,912		5,175		3,951		21,621		5,099		5,332	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	74	25.4	115	22.2	74	18.7	596	27.6	98	19.2	113	21.2
Stillbirths+	1	13.5	4	34.8	3	40.5	4	6.7	2	20.4	-	-
Deaths, all causes*	41	14.1	65	12.6	51	12.9	179	8.3	45	8.8	54	10.1
Infant deaths+	4	54.1	4	34.8	2	27.0	13	21.8	2	20.4	2	17.7
Neonatal deaths+	3	40.5	3	26.1	1	13.5	11	18.5	2	20.4	2	17.7
Maternal deaths+	1	13.5	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	11	377.7	22	425.1	20	506.2	74	342.3	20	392.2	19	356.3
Malignant neoplasms (140-205)	5	171.7	10	193.2	6	151.9	23	106.4	5	98.1	7	131.3
Vascular lesions affecting central nervous system (330-334)	6	206.0	6	115.9	6	151.9	19	87.9	7	137.3	10	187.5
Accidents (E800-E962)	5	171.7	7	135.3	1	25.3	15	69.4	2	39.2	4	75.0
Certain diseases of early infancy (760-776)	2	68.7	3	58.0	-	-	9	41.6	2	39.2	1	18.8
Influenza and pneumonia (480-493)	2	68.7	2	38.6	2	50.6	1	4.6	1	19.6	1	18.8
Nephritis and nephrosis (590-594)	-	-	2	38.6	1	25.3	6	27.8	-	-	-	-
Diabetes mellitus (260)	-	-	1	19.3	-	-	6	27.8	-	-	-	-
Congenital malformations (750-759)	1	34.3	2	38.6	-	-	3	13.9	-	-	1	18.8

	Purcell		Sallisaw		Sand Springs		Sapulpa		Sayre		Seminole	
Estimated population, July 1, 1954	3,729		3,204		7,360		13,363		3,502		11,999	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	93	24.9	53	16.5	221	30.0	297	22.2	61	17.4	228	19.0
Stillbirths+	1	10.8	-	-	4	18.1	5	16.8	-	-	2	8.8
Deaths, all causes*	32	8.6	36	11.2	82	11.1	137	10.3	32	9.1	72	6.0
Infant deaths+	2	21.5	4	75.5	8	36.2	10	33.7	2	32.8	7	30.7
Neonatal deaths+	2	21.5	3	56.6	5	22.6	3	10.1	2	32.8	4	17.5
Maternal deaths+	-	-	-	-	-	-	1	3.4	-	-	-	-
Deaths from leading causes:**												
Diseases of the heart (410-443)	9	241.4	11	343.3	28	380.4	41	306.8	7	199.9	20	166.7
Malignant neoplasms (140-205)	5	134.1	5	156.1	12	163.0	25	187.1	9	257.0	13	108.3
Vascular lesions affecting central nervous system (330-334)	4	107.3	5	156.1	9	122.3	20	149.7	3	85.7	11	91.7
Accidents (E800-E962)	2	53.6	2	62.4	6	81.5	10	74.8	1	28.6	4	33.3
Certain diseases of early infancy (760-776)	2	53.6	3	93.6	4	54.3	3	22.5	2	57.1	3	25.0
Influenza and pneumonia (480-493)	1	26.8	-	-	2	27.2	5	37.4	6	171.3	5	41.7
Nephritis and nephrosis (590-594)	-	-	2	62.4	3	40.8	4	29.9	-	-	-	-
Diabetes mellitus (260)	-	-	1	31.2	-	-	2	15.0	-	-	2	16.7
Congenital malformations (750-759)	-	-	-	-	1	13.6	-	-	-	-	1	8.3

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1954
(Continued)

	Shawnee		Stillwater		Sulphur		Tahlequah		Tonkawa		Tulsa	
Estimated population, July 1, 1954	23,331		22,423		4,389		5,481		3,834		199,987	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	640	27.4	501	22.3	108	24.6	131	23.9	64	16.7	5860	29.3
Stillbirths+	3	4.7	3	6.0	4	37.0	-	-	-	-	117	20.0
Deaths, all causes*	263	11.3	129	5.8	79	18.0	57	10.4	42	11.0	1975	9.9
Infant deaths+	18	28.1	14	27.9	4	37.0	1	7.6	4	62.5	179	30.5
Neonatal deaths+	15	23.4	9	18.0	4	37.0	1	7.6	4	62.5	140	23.9
Maternal deaths+	1	1.6	-	-	-	--	1	7.6	-	-	4	0.7
Deaths from leading causes:**												
Diseases of the heart (410-443)	86	368.6	29	129.3	22	501.3	18	328.4	19	495.6	608	304.0
Malignant neoplasms (140-205)	34	145.7	22	98.1	8	182.3	9	164.2	5	130.4	298	149.0
Vascular lesions affecting central nervous system (330-334)	38	162.9	10	44.6	22	501.3	10	182.4	7	182.6	226	113.0
Accidents (E800-E962)	21	90.0	13	58.0	3	68.4	4	73.0	2	52.2	149	74.5
Certain diseases of early infancy (760-776)	13	55.7	9	40.1	3	68.4	1	18.2	3	78.2	109	54.5
Influenza and pneumonia (480-493)	11	47.1	3	13.4	2	45.6	1	18.2	-	-	54	27.0
Nephritis and nephrosis (590-594)	1	4.3	2	8.9	1	22.8	3	54.7	-	-	42	21.0
Diabetes mellitus (260)	2	8.6	4	17.8	2	45.6	1	18.2	-	-	24	12.0
Congenital malformations (750-759)	5	21.4	2	8.9	-	-	-	-	1	26.1	30	15.0

	Vinita		Wagoner		Walters		Watonga		Weatherford		Wewoka		Woodward	
Estimated population, July 1, 1954	5,518		4,761		2,960		3,428		3,967		6,747		6,132	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	124	22.5	92	19.3	65	22.0	67	19.5	64	16.1	152	22.5	139	22.7
Stillbirths+	-	-	1	10.9	3	46.2	1	14.9	-	-	1	6.6	5	36.0
Deaths, all causes*	81	14.7	60	12.6	36	12.2	43	12.5	41	10.3	63	9.3	69	11.3
Infant deaths+	6	48.4	3	32.6	4	61.5	2	29.9	5	78.1	3	19.7	1	7.2
Neonatal deaths+	4	32.3	3	32.6	3	46.2	1	14.9	5	78.1	3	19.7	1	7.2
Maternal deaths+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Deaths from leading causes:**														
Diseases of the heart (410-443)	20	362.5	23	483.1	8	270.3	12	350.1	18	453.7	16	237.1	28	456.6
Malignant neoplasms (140-205)	16	290.0	13	273.1	3	101.4	7	204.2	3	75.6	8	118.6	10	163.1
Vascular lesions affecting central nervous system (330-334)	15	271.8	4	84.0	8	270.3	6	175.0	6	151.2	6	88.9	8	130.5
Accidents (E800-E962)	8	145.0	3	63.0	3	101.4	5	145.9	3	75.6	5	74.1	4	65.2
Certain diseases of early infancy (760-776)	3	54.4	3	63.0	3	101.4	1	29.2	4	100.8	1	14.8	1	16.3
Influenza and pneumonia (480-493)	1	18.1	-	-	1	33.8	-	-	-	-	1	14.8	2	32.6
Nephritis and nephrosis (590-594)	1	18.1	1	21.0	-	-	-	-	3	75.6	2	29.6	-	-
Diabetes mellitus (260)	2	36.2	2	42.0	2	67.6	-	-	1	25.2	1	14.8	1	16.3
Congenital malformations (750-759)	2	36.2	-	-	-	-	-	-	1	25.2	1	14.8	1	16.3