

PUBLIC HEALTH STATISTICS
STATE OF
OKLAHOMA
1948



PART II
BIRTHS AND DEATHS

Oklahoma State Department of Health
Oklahoma City, Oklahoma

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PUBLIC HEALTH STATISTICS OF OKLAHOMA

BIRTHS AND DEATHS

1948

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Population	

In this, the sixth annual publication of Public Health Statistics of Oklahoma, an effort has been made to summarize the principal happenings in vital statistics in Oklahoma for the year 1948. A publication of this sort must of necessity be selective in the choice of material which is to be included. For this reason it will be found that most of the tables, charts and graphs are of a general nature, rather than a specific one. These major tables provide a source from which more detailed, or specific information may be taken. Included are tables, graphs, and charts which reflect the current trends in natality and mortality experience. The information concerning the year 1936 and those years prior to that time was obtained from Bureau of the Census publications. All of the data subsequent to 1936 were obtained from the records on file in the State Department of Health. The figures have been allocated by place of residence. The major tables in this publication remain unchanged in form as it is believed that they will be of more value for comparison with tables of previous years which appear in the same form in earlier publications.

A narrative interpretation of the tables, graphs and charts dealing with population, births, deaths, principal causes of death, deaths due to acute communicable diseases, accidental, maternal, infant and neonatal deaths, will be found in the first sections of this volume. Immediately following this will be found a four-page table which pictures births, deaths, stillbirths, and deaths due to specific causes for the past twenty years. Similar tables enumerate the number of deaths by important causes in relation to the rate, and by race, age, and sex for resident deaths.

The fifth revision of the International List of Causes of Death and the Manual of Joint Causes of Death, along with the Vital Statistics Instruction Manual which was prepared by the National Office of Vital Statistics, were used in classifying causes of death. When there was doubt as to the proper classification or the cause of death because of insufficient or indefinite information on the death certificate, query procedures necessitating the cooperation of the attending physician were used to clarify the cause of death. Supplemental information on the factors involved in fatal motor vehicle accidents was obtained from the Department of Public Safety.

The further one becomes removed from a basic point of reference, the greater becomes the probability of error. Such is the case in an estimate of the population. The task of such an estimation is complicated, of course, by the change in population resulting from World War II. This change was not exclusively concerned with service personnel, but also with the many who moved to industrial areas to work in defense plants. Many of those who fall in the latter group have since been integrated into rural or urban communities.

In approaching the task of estimating the population there were four rather accurate measures of population groups: (1) 1940 census, (2) 1945 Registration Book IV registration, (3) school census, (4) increase in births over deaths from records on file in the State Office of Vital Statistics. The 1948 estimate was based on net increases in the populations from the excess in resident live births over resident deaths during 1948. The new totals were adjusted for migration on the basis of change in the number of children aged 6-21 years as enumerated in the annual scholastic census.

By the above method, a total estimate for the State of 2,334,455, as of July 1, 1948, was made. The estimate for the Negro population was computed by the same method used for estimating county populations. The estimate for Indians was based on the 1940 census enumeration since population changes for this group were not known; the estimate for the White population was then determined by subtracting the population for the other two racial groups from the estimate for the State as a whole. The percentage distribution according to race was as follows: White 90.41 per cent, Negro 6.89 per cent, Indian 2.70 per cent. In previous years it has been found that the number of people classified in "other races" such as Chinese and Japanese, was so small that these were included in the White population group. The 1948 population estimate was used in computing the rates enumerated in this bulletin.

Residence Allocation

Heretofore copies of birth and death certificates for residents of Oklahoma were not received from all States as they were not active in the residence reallocation program. Nationwide reallocation was achieved in 1948, with the entrance of the State of Texas into this program. This made it possible to include reallocated birth, death and stillbirth certificates from all of the States. The entrance of Texas in the reallocation program will doubtless be reflected in birth and death rate changes in many of the southern border counties of Oklahoma. The criterion of allocation is established by the usual residence designated on the birth, death or stillbirth certificates. Residence of one or more years is taken as the permanent residence even though another is specified as such.

Table 1

Residence Allocation, Oklahoma, 1948

	Non-Resident Certificates Excluded	Resident Transcripts Included
Births	1,251	1,921
Deaths	457	896

Table 1 indicates the number of non-resident birth and death certificates which were excluded and also the number of similar certificates of Oklahoma residents which were included. It is to be noted that there was a slight decline in the number of certificates which were excluded but a

sharp increase in those which were included. This change was expected with the entrance of the State of Texas into the residence allocation reciprocal agreement. Of the counties bordering Texas, six showed an increase in the number of births over that of 1947. This occurred despite the fact that the State as a whole showed a substantial decrease. An increase of 846 certificates from other states was included over 1947; of these, 710 were received from Texas. From 1946 through 1948 there has been a substantial increase in the number of transcripts which have been exchanged. The number exchanged was (1946) 3,057, (1947) 3,744, (1948) 4,555. Table 2 lists the States in which the majority of Oklahoma resident births and deaths occurred. Thirty-eight States, Hawaii and Washington, D. C. reported resident Oklahoma births whereas thirty-seven States, Canada and Washington, D. C. reported resident Oklahoma deaths.

Table 2

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

1948

State	Number Births	Number Deaths
Total	1,921	896
Arizona	30	41
Arkansas	524	134
California	51	26
Colorado	24	24
Florida	19	3
Illinois	4	8
Kansas	419	188
Kentucky	17	6
Mississippi	15	2
Missouri	115	101
New Mexico	63	46
Tennessee	28	8
Texas	483	227
Virginia	22	2
Washington	27	6
Wyoming	11	5
All others	69	69

The major portion of the charts, graphs and tables which follow will be using resident births and deaths, as it is believed that these figures more properly picture the true status of vital statistics events. Recorded figures represent the number of births or deaths according to the location

where the events occurred. Table B gives recorded births, stillbirths, deaths, infant and neonatal deaths by county. In cases of accidental death, the place of occurrence is often beneficial in establishing the various foci for accident prevention campaigns. With this in mind, figures have been used in Table VII which enumerate by counties the place in which the accidents resulting in death occurred. Principal among accidental deaths were those resulting from automobile accidents. Every effort has been made to gain a true picture in these cases. With the cooperation of the Department of Public Safety, more accurate and complete coverage of this particular type of accident has been obtained.

Live Births

The number of resident live births for 1948 showed a decline of slightly more than 2,000 from that reported in 1947. The birth rate has shown also a significant decrease. As can be seen in Table 3, this decrease was in the White and Indian populations. The Colored population showed an increase in both the number and rate over those reported in 1947. It should be pointed out that in the year 1947 the greatest number of births ever recorded in Oklahoma was reached.

Table 3

Live Births, Number and Rate*, by Race
Oklahoma, 1947 - 1948

Year	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1947	52,691	22.8	47,440	22.7	3,529	21.9	1,722	27.3
1948	50,428	21.6	45,083	21.4	3,639	22.6	1,706	27.0

* Rates represent number per 1,000 estimated population.

The artificially inflated birth rates in evidence in Cleveland and Payne Counties were more pronounced in 1948 than in 1947. This was expected since a peak enrollment of Oklahoma University and Oklahoma Agricultural and Mechanical College was reached in 1948. In making population estimates by counties, the student enrolments of the two state schools having the largest enrollment were not included in the counties in which the colleges are located. Live birth certificates for children born to student families, however, usually gave Cleveland or Payne County as the place of residence since the parents had established residence for the years during which they would be in school. Cleveland County showed a rate of 30.8 births per 1,000 estimated population as compared to 30.7 in 1947. Payne County showed the larger increase, with a rate of 31.3 for 1948 as compared with 30.5 for 1947.

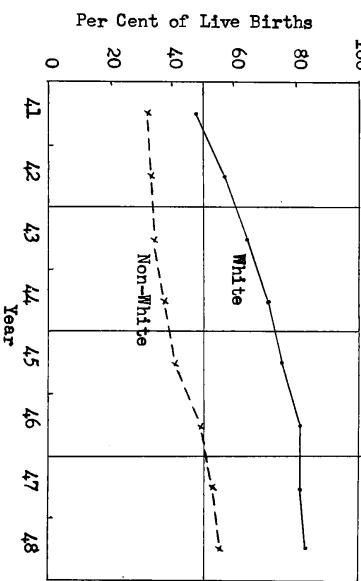
For the first time since records of vital statistics data have been kept in the State of Oklahoma, over 80 per cent of all live births occurred in hospitals. This trend has been constant since 1941 as shown in Chart 1. In 1948 of the 50,428 resident live births, 40,545 or 80.4 per cent were delivered in hospitals. Chart V, page 19, which shows the maternal death rates for each year since 1920, is largely a function of this trend. The percentage of patients being delivered by midwives and others has not changed significantly in the past six years. In 1943, 1,556 or 3.3 per cent of all live births were attended by persons other than physicians as compared with 1948 when 1,657 or 2.9 per cent of all live births were delivered by persons other than physicians. Upon examining Table 4, it may be seen that 927 Negro births were delivered by midwives or others. This is 63.6 per cent of the births in this category for the three racial groups. The number of births delivered by physicians in the home has diminished in all racial classifications, in keeping with past trends.

Table 4

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent						
Total	50,428	100.0	45,083	99.9	3,639	100.0	1,706	100.0
Physician in hospital	40,545	80.4	37,570	83.3	1,597	43.9	1,378	80.8
Physician in home	8,426	16.7	7,130	15.8	1,115	30.6	181	10.6
Midwife and other	1,457	2.9	383	0.8	927	25.5	147	8.6

Live Birth Attendance by Race, Oklahoma, 1948
by Race, Oklahoma, 1941 - 1948

Chart 1



The per cent of mothers being delivered in hospitals has continued to increase through 1948. The per cent of urban mothers being delivered in hospitals has not changed significantly; however, in the rural population a definite increase may be noted. This increase was greatest in the rural Negro population, 6.3 per cent more rural Negro mothers were delivered in hospitals in 1948 than in 1947. No significant difference in the percentage of White and Indian mothers delivered in hospitals was noted. Table 5 shows that the White and Indian races corresponded rather closely in the percentage of urban and rural mothers delivered by physicians as well as those delivered in hospitals. The Indian and White races as a group contrasted rather sharply with the Negro group which showed the lowest percentage for any group.

The racial group differences in percentages of mothers delivered by physicians were not great; however, the number of Negro mothers delivered by physicians was lower than that shown for the White and Indian races.

Table 5

Percentages of Live Births Delivered in Hospitals and by Physicians, by Urban or Rural Residence of Mother, by Race, Oklahoma, 1948

Attendance at Birth	Total	White	Negro	Indian
	Urban	Rural	Urban	Rural
Per cent delivered in hospitals	94.1	72.4	97.2	75.4
Per cent delivered by physicians	98.2	96.5	99.8	98.8
Per cent delivered in hospitals	66.3	21.3	94.4	78.4
Per cent delivered by physicians	84.2	64.8	99.6	90.0

In grouping births into the quarter of occurrence, it may be seen the greatest percentage occurred in the first quarter, 27.4 per cent and the lowest percentage 22.8 per cent in the third or summer quarter. The percentages for the second and fourth quarters were 24.4 and 25.4 respectively.

Immature Births

For the first time, data on immaturity could be tabulated from the live birth records. The 1948 revision of the standard certificate included an item for birth weight, and about 93 per cent of the birth certificates reported this information. Infants weighing less than five and one-half pounds were classified as immature. As shown in Table 6, the percentage of Negro premature births was higher than for the White and Indian races. The difference between the White and Indian percentages was too small to be significant.

Table 6

Percentage of Immature Births, by Race Oklahoma, 1948

Live births with birth weight specified	Total	White	Negro	Indian
Birth weight less than 5½ pounds	46,741 2,526 5.4	41,909 2,325 5.3	3,223 213 6.6	1,599 78 4.9

For the year 1948 the standard certificate of stillbirth was used for the first time. Formerly both birth and death certificates were required in cases of stillbirth. By the adoption of the new certificate, additional information relating specifically to stillbirths has been obtained.

A sharp decrease in the number of stillbirths reported for 1948 as compared to 1947 was noted. A total of 1,043 stillbirths was reported in 1947 as compared with 914 for 1948. The rate of stillbirths per 1,000 live births dropped from 12.8 for 1947 to 18.1 for 1948. The number of Negro stillbirths occurring in hospitals was much lower than for the Whites and Indians. This was also in evidence in live births. Negroes and Indians showed a greater rate of stillbirths than did the Whites. The ratio for Negroes and Indians was higher in those cases where the stillbirth occurred in a hospital; it is thought that this high level is a true difference - one which would exhibit itself in the other places of delivery if all stillbirths were reported.

Table 7

Stillbirth Attendance by Race, Oklahoma, 1948

Attendance at Birth	Total	White	Negro	Indian
	Number	Per Cent	Number	Per Cent
Total	914	100.0	741	100.0
Physician in hospital	702	76.8	598	80.7
Physician in home	179	19.6	134	18.1
Midwife and other	33	3.6	9	1.2

Comparisons with previous years tabulations are made inadvertable because of the change in causes of stillbirth used in Table 8. The categories used in Table 8 are in accordance with the Manual for Classification of Causes of Stillbirth as approved by the Committee on Research and Standards of the American Public Health Association. The percentage of

certificates received which listed unknown or ill defined conditions dropped from 61.4 per cent in 1947 to 32.0 per cent in 1948. This sizable increase in the amount of usable information is partly attributable to the increased interest and cooperation on the part of physicians, and then also to the use of the Standard Certificate of Stillbirth which was used for the first time for the year 1948. Conditions in the foetus, placenta or cord were listed as causes on 61.4 per cent of the certificates with acceptable causes, as compared with the remaining 38.6 per cent of the acceptable certificates which listed causes as determined in the mother, or related to pregnancy. Of these two major subdivisions, the principal cause in the former was "placental and cord conditions", which was responsible for 282 or 30.9 per cent of all stillbirths; in the later subdivision, "difficult labor" resulted in the greatest number of stillbirths, with 109 cases reported or 11.9 per cent of all certificates.

Table 8

Resident Stillbirths by Cause of Stillbirth, Oklahoma, 1948

Cause of Stillbirth	Number	Per Cent
Total	914	100.0
Causes Determined in the Foetus,		
Placenta or Cord:		
Congenital malformations	381	41.7
Placental and cord conditions	70	7.7
Birth injury	282	30.9
Brythroblastosis foetalis	11	1.2
Other causes determined in foetus	15	1.6
Causes Determined in the Mother, or Related to Pregnancy:		
Diabetes mellitus	3	0.3
Chronic diseases of genito-urinary system	24.0	26.3
Other chronic diseases	9	1.0
Acute diseases in mother	6	0.7
Toxemias of pregnancy	4	0.4
Infection (ante- or intrapartum)	16	1.8
Infection (ante- or intrapartum)	62	6.8
Difficult labor	5	0.5
Other conditions incident to pregnancy and childbirth	109	11.9
Overexertion	7	0.8
External violence	5	0.5
Ill defined causes	17	1.9
Unknown causes	100	10.9
	193	21.1

Deaths

Total Deaths - A total 19,074 deaths occurred among Oklahoma residents during 1948 as compared to 19,101 in 1947. The rates per 1,000 estimated population for the two years were essentially the same. The Negro death rate was somewhat higher than last year, with 11.2 for 1948 as compared

with 10.5 for 1947. The Negro death rate was considerably higher than the rate 9.5 for the Indian population and 7.9 for the Whites. The number and rate with which deaths have occurred to Oklahoma residents have not varied markedly in the past twenty-year period.

Leading Causes of Death

Slightly more than three-fourths of all the resident deaths recorded during 1948 listed one of the eight conditions shown on Table IV page 28 as the cause of death. A greater per cent of White deaths were included than for any other race, 78.1 per cent, while 74.2 per cent of the Negro and 67.3 per cent of the Indian deaths were attributed to these leading causes. Heart disease led all other diseases in every race in 1947 as the cause of death. For 1948 this disease continued as the major cause of death in the White and Negro races but it fell to second in the Indian race, where tuberculosis was shown as the chief cause of death as in 1946. Cancer, the number two cause of death in the White population was the third leading cause in the Negro and Indian groups.

Heart Disease

The importance of heart disease can not be overestimated considering that it accounted for over one-fourth of all deaths in 1948; 5,189 deaths from this malady were recorded. The effects of heart disease were felt by all races, however not equally. The rate per 100,000 population was almost identical in the White and Negro races. A rate of 225.3 was found in the White race and 227.6 for the Negro race. These rates were twice as great as that obtained for the Indian race, 109.3.

The increase in deaths from heart disease over 1947 was distributed rather evenly throughout the five major classifications shown in Table 9. As in 1947, diseases of the coronary arteries and angina pectoris led the other disorders in frequency. Diseases of the myocardium followed a close second. It is significant that the per cent of men who died from heart disease was larger than that for women; of the deaths from heart disease, 65.3 per cent were men, 34.7 per cent were women.

Table 9

Heart Disease Deaths, Oklahoma, 1948

Deaths		
Type of Heart Disease		
All heart diseases	Number	Rate*
Pericarditis (except acute rheumatic)	5,189	222.3
Acute endocarditis (except rheumatic)	7	0.3
Chronic affections of the valves & endocardium	20	0.9
Diseases of the myocardium	347	14.9
Diseases of the coronary arteries and angina pectoris	1,919	82.2
Other diseases of the heart	2,165	92.7
	731	31.3

* Rates represent number per 100,000 estimated population.

Cancer

The frequency with which cancer has been reported as a cause of death has increased progressively during the past twenty years. This, no doubt, has been largely a function of the progress in techniques by which cancer can be diagnosed. Cancer is primarily a disease of the aged, even more so than heart disease. In 1948 more than one-half, 1,357, of the total deaths reported from cancer, 2,490, died after their 65th birthday. Chart 2, however, shows that larger proportions of all deaths of persons ages 45-54 and 55-64 were due to cancer than for any other ten-year age group.

Chart 2
Proportionate Mortality from Cancer
Oklahoma, 1948

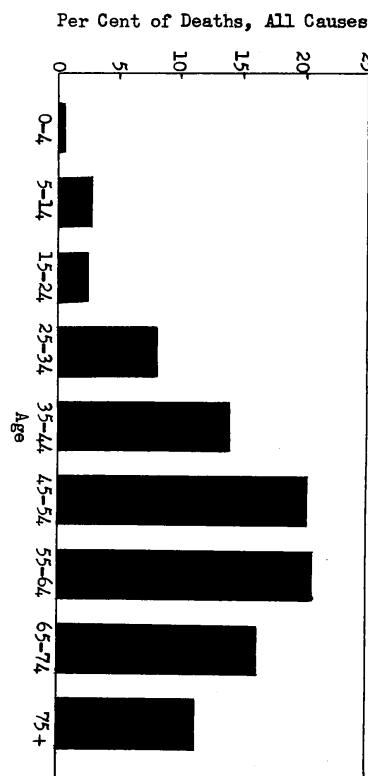


Table 10

Cancer Deaths by Primary Site, Number and Rate*,
by Sex, Oklahoma, 1948

Population		Total	Male	Female
	2,334,455	1,180,891		1,153,564
Primary Site	Number	Rate	Number	Rate
Total cancer deaths	2,490	106.7	1,235	103.9
Buccal cavity and pharynx	76	3.3	59	5.0
Digestive organs & peritoneum	1,026	44.0	550	46.3
Respiratory system	202	8.7	150	12.6
Uterus	258	11.1	-	-
Other female genital organs	64	2.7	-	-
Breast	204	8.7	4	0.3
Male genital organs	226	9.7	226	19.0
Urinary organs (male and female)	103	4.4	64	5.4
Skin	87	3.7	53	4.5
Brain and other parts of central nervous system	39	1.7	18	1.5
Other and unspecified organs	205	8.8	111	9.3

* Rates represent number per 100,000 estimated population.

Tuberculosis

In 1948, deaths from tuberculosis totaled 622, giving a rate of 26.6 per 100,000 population. The rate by race was 20.6 White, 65.3 Negro and 129.9 Indian.

Tuberculosis, unlike heart disease and cancer, is a disease of the young. The age group with the highest per cent of deaths from tuberculosis was between 25 and 34; 14.3 per cent of those who died in that age group died from tuberculosis. Race seems to play an important factor in predominance of tuberculosis as a cause of death, as may be seen by the rates quoted above.

Although the number of deaths from tuberculosis in the general population decreased in 1948, the number of deaths from this disease occurring in state-operated mental institutions did not decrease. Sixty-eight, or 10.9 per cent, of the deaths reported from tuberculosis in 1948 were reported from mental institutions, as compared to 63, or 8.9 per cent in 1947. Table 11 shows the proportionality for the general population and the mental institutions in 1948.

Table II

Proportionate Mortality from Tuberculosis in State Mental Institutions and in the General Population, by Age, Oklahoma, 1948

Age in Years	Mental Institutions*			General Population		
	Total Deaths	Tuberculosis Deaths	Per Cent	Total Deaths	Tuberculosis Deaths	Per Cent
All ages	632	68	10.8	19,074	622	3.3
Under 15	12	-	-	2,308	17	0.7
15 - 24	20	4	20.0	502	48	9.6
25 - 34	28	15	53.6	583	86	14.8
35 - 44	59	22	37.3	1,015	126	12.4
45 - 54	73	17	23.3	1,714	116	6.8
55 - 64	92	4	4.3	2,761	99	3.6
65 - 74	159	4	2.5	4,270	77	1.8
75 & over	188	2	1.1	5,906	52	0.9
Unknown	1	-	-	15	1	6.7

* State Mental Institutions

Nephritis

Nephritis deaths showed an increase during 1948, with 1,034 deaths from this cause reported. Nephritis was the sixth leading cause of death for the entire population. In the Negro race nephritis deaths were only one less than those reported for cancer, the third leading cause of death for Negroes. Nephritis was shown as the cause of death at the rate of 44.3 per 100,000 estimated population; of these 70.5 per cent occurred after reaching the age of 65.

Accidental Deaths

A total of 1,480 deaths from accidents occurred to Oklahomans during 1948. Accidents occurred at the rate of 63.4 per 100,000 population. Although this was a considerable decrease in the number and rate of accidental deaths from 1947, it was not sufficient to remove "accidental death" as the fourth leading cause of death in Oklahoma.

Of the 1,480 deaths assigned to accidental causes, 1,447 resulted from accidents which occurred in Oklahoma. This figure will be used in summarizing accidents, as it is likely to prove more beneficial from the standpoint of accident prevention. Accidents were distributed according to type as follows:

Table II

Accidents by Type
Oklahoma, 1948

Type of Accident	Number	Per Cent
All accidents	1,447	100.0
Occupational accidents	117	8.1
Home accidents	498	34.4
Motor vehicle accidents	501	34.6
Public non-motor vehicle accidents	318	22.0
Type of accidents unknown	13	0.9

Occupational accidents - 37.6 per cent of the deaths in this category occurred in agricultural operations. This was closely followed by extractive industries, excluding mines and quarries, which was quoted as the occupation in 17.9 per cent of the deaths in this classification. About 42.7 per cent of occupational accidents occurred among individuals between the ages of 25 and 44.

Home accidents - The number of home accidents in Oklahoma was only three less than that for traffic accidents, which was the leading cause of death from accidents. Home accidents occurred principally among the children and the aged. Ninety-three, or 18.7 per cent, occurred to children less than five years old. Two hundred and fifty-four, or 51.0 per cent, occurred to those 65 and over. These two age groups would be most highly affected by the two principal causes of death in home accidents, namely, falls, which was the cause in 20.4, or 41.0 per cent, of the deaths in this group, and conflagrations, burns and explosions, which caused 13.5, or 27.1 per cent, of these deaths.

Public motor vehicle - 211, or 42.1 per cent, of all motor vehicle accidents resulted from collisions with other motor vehicles; 154 deaths from accidents of the non-collision type accounted for 30.7 per cent of motor vehicle deaths. The different age groups were rather uniformly affected. The greatest number for any five-year age group, however, occurred between the ages 20 and 24; 64 deaths, or 12.8 per cent of the deaths occurred in this age group.

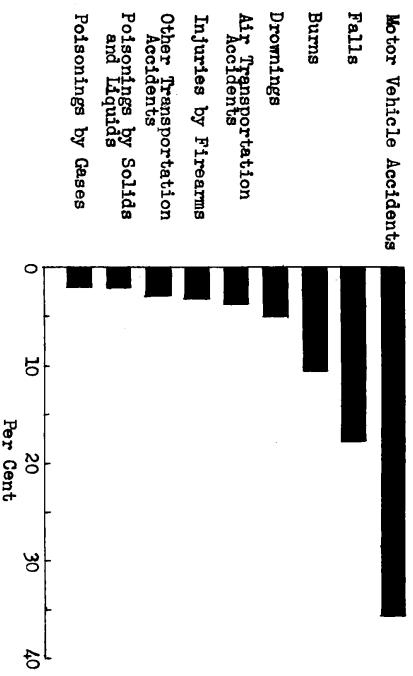
Public non-motor vehicle - Of the 318 accidents of this type occurring in Oklahoma, 100, or 31.4 per cent, occurred among individuals between 25-44 years of age. The two major causes of death were drowning, which resulted in 80, or 25.2 per cent, of the deaths, and air transportation which caused 55, or 17.3 per cent, of all public, non-motor vehicle deaths.

Unknown - Thirteen deaths occurred in which the causative type of accident was unknown.

Leading causes of the fatalities resulting from accidents occurring in Oklahoma are shown in Table VII, page 56, and Chart 3. Motor vehicle accidents were responsible for approximately 36 per cent of the total number of fatalities. Falls were second, accounting for about 18 per cent of the accidental deaths.

Chart 3

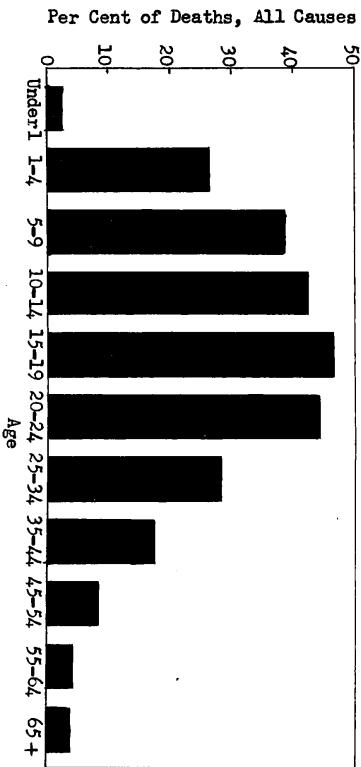
Leading Causes of Accidental Deaths
Oklahoma, 1948



Accidents were the leading cause of death among children and young adults in 1948. Accidents accounted for 33.4 per cent of the deaths among children between the ages 1 and 15, and 27.4 per cent of the deaths of adults between the ages 15 and 45. Chart 4 shows the proportionate mortality due to accidents for each age group.

Chart 4

Proportionate Mortality from Accidents
Oklahoma, 1948



Deaths from acute communicable diseases have continued in a downward trend for the past several years. Though the number of deaths from these diseases is relatively few, the constant threat which is imposed by these diseases merits the attention of those concerned with preventive medicine as well as curative medicine.

In 1948 tuberculosis and paratyphoid fever caused six deaths all of which occurred in the white population nine deaths from these diseases occurred in 1947. Sixteen deaths from diphtheria were reported, one more than in 1947, 15 of which occurred in children under ten years of age. No deaths were reported as due to scarlet fever; however, 12 deaths from Septic sore throat were reported. Mumps, which resulted in no deaths in 1947, accounted for seven deaths in 1948. One death was also reported as due to undulant fever.

The number of deaths from Meningococcus meningitis showed no increase, with 10 deaths reported from this cause in 1947 as well as in 1948. Acute poliomyelitis showed the greatest increase of all of the acute communicable diseases in 1948. Thirty-five deaths were reported as caused by this disease in 1948; this was the largest number since 1937 when 75 deaths were reported. Only two deaths were reported in 1947.

Deaths

from Whooping cough continued to be outstanding among the causes of death in infants. Of the 46 deaths from whooping cough reported in 1948, 35 were under one year of age, and only four deaths were reported from this disease in children over two years of age.

Of the other acute communicable diseases which are of particular note as causes of infant deaths, dysentery and diarrhea and enteritis deserve special attention. These two causes accounted for a total of 147 deaths. Ninety-nine of these occurred in infants under one year of age. The cause shown on 119 certificates was diarrhea or enteritis, 82 of which affected infants; the remaining 28 deaths were due to dysentery of which 17 affected infants.

Influenza resulted in the most deaths in the acute communicable disease group; 119 deaths due to influenza were reported, the infants and the aged being principally affected.

One death from Rocky Mountain spotted fever was reported, six from malaria, and three from tularemia. Deaths from tetanus totaled seven. Other acute infectious and parasitic diseases resulted in 58 deaths.

Syphilis

The lowest recorded death rate for syphilis on record, 6.9 deaths per 100,000 population, was obtained in 1948; 162 certificates listed syphilis as the cause of death. Syphilis deaths have decreased significantly during the past ten years.

Communicable Diseases

Maternal Deaths

Maternal deaths for both the white and non-white races reached an all time low in 1948. A rate of 1.0 maternal deaths to every 1,000 live births was reached in the white population, and a rate of 3.4 maternal deaths to every 1,000 live births was reached in the non-white population. Of the 62 maternal deaths during 1948, 44 were of Whites, 14 of Negroes, and 4 in the Indian population. A rate of 3.8 maternal deaths per 1,000 live births occurred in the Negro population.

Toxemia of pregnancy and the puerperium resulted in 21 or 33.9 percent of all maternal deaths. Of those toxemic conditions, 13 were of the puerperium. Hemorrhage of childbirth and of the puerperium resulted in 11 deaths, the second leading cause of maternal deaths. Table 13 gives a detailed breakdown of the complications resulting in maternal deaths.

Table 13

Maternal Deaths by Cause, by Race, Number and Rate*, Oklahoma, 1948

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes (140-150) . . .	62	1.2	44	1.0	14	3.8	4	2.3
Abortion with mention of infection (140)	5	0.1	4	0.1	1	0.3	-	-
Abortion without mention of infection (141)	2	0.0	2	0.0	-	-	-	-
Ectopic gestation with mention of infection (142a)	-	-	-	-	-	-	-	-
Ectopic gestation without mention of infection (142b)	6	0.1	5	0.1	1	0.3	-	-
Hemorrhage of pregnancy (143)	1	0.0	1	0.0	-	-	-	-
Toxemias of pregnancy (144)	8	0.2	5	0.1	2	0.5	1	0.6
Other septic conditions of pregnancy (145a)	-	-	-	-	-	-	-	-
Hemorrhage of childbirth and the puerperium (146)	11	0.2	9	0.2	1	0.3	1	0.6
Infection during childbirth and the puerperium (147)	4	0.1	3	0.1	1	0.3	-	-
Puerperal toxemias (148)	13	0.3	8	0.2	4	1.1	1	0.6
Other causes (149-150)	12	0.2	7	0.2	4	1.1	1	0.6

* Number per 1,000 live births.

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Infant and Neonatal Deaths

Five more infant deaths occurred in 1948 than in 1947 for a total of 1,721 infant deaths. Infant deaths occurred in the total population at the rate of 34.1 per every 1,000 live births. The rate was unevenly distributed throughout the races. The Indian race had the highest rate with 64.5, followed closely by the Negro rate of 58.0. These combined to be almost twice that of the White race which was 31.1.

Table 14

Deaths Under One Year by Cause, by Race, Number and Rate*, Oklahoma, 1948

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Total, all cases (1-200)	1721	34.1	1400	31.1	211	58.0	110	64.5
Infectious and parasitic diseases (1-44)	101	2.0	56	1.2	22	6.0	23	13.5
Diseases of the respiratory system (104-114)	192	3.8	123	2.7	48	13.2	21	12.3
Diseases of the digestive system (115-129)	108	2.1	77	1.7	13	3.6	18	10.6
Congenital malformations (157)	220	4.4	202	4.5	13	3.6	5	2.9
Congenital deformities (158)	32	0.6	27	0.6	4	1.1	1	0.6
Premature birth (159)	625	12.4	547	12.1	60	16.5	18	10.6
Injury at birth (160)	148	2.9	127	2.8	16	4.4	5	2.9
Other diseases peculiar to first year of life (161)	137	2.7	116	2.6	13	3.6	8	4.7
Accidents (166-195)	48	1.0	39	0.9	8	2.2	1	0.6
All other defined causes	64	1.3	58	1.3	3	0.8	3	1.8
All defined and unknown (199-200)	46	0.9	28	0.6	11	3.0	7	4.1

* The number includes those under one month shown in Table 14.

Rates represent number per 1,000 live births.

Neonatal Deaths

A decrease of six deaths of infants under one month of age from 1947 gave a total of 1,184 neonatal deaths. Because of the decrease in the total number of births for the State, however, an increase in the rate

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per 1,000 live births was found; neonatal deaths occurred at the rate of 23.5 per every 1,000 live births. As with infant deaths, the rates were unequal for the various races. The rate in the Negro race was greatest, 33.3, followed by the Indian, 24.0; a White rate of 22.7 neonatal deaths per 1,000 live births was noted.

Table 15

Deaths Under One Month by Cause, by Race, Number and Rate*, Oklahoma, 1948

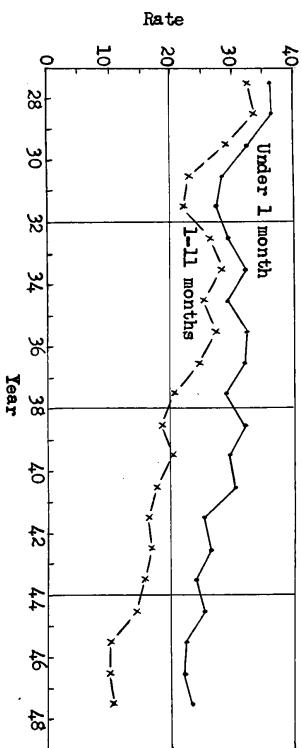
Cause of Death	Total	White	Negro	Indian				
	No.	Rate	No.	Rate	No.	Rate		
Total, all causes (1-200)	1184	23.5	1022	22.7	121	33.3	41	24.0
Infectious and parasitic diseases (1-44)	18	0.4	8	0.2	5	1.4	5	2.9
Diseases of the respiratory system (100-114)	47	0.9	33	0.7	14	3.8	-	-
Diseases of the digestive system (115-129)	16	0.3	13	0.3	2	0.5	1	0.6
Congenital malformations (157)	17	2.9	134	3.0	10	2.7	3	1.8
Congenital debility (158)	15	0.3	15	0.3	-	-	-	-
Premature birth (159)	605	12.0	538	11.9	52	14.3	15	8.8
Injury at birth (160)	145	2.9	124	2.8	16	4.4	5	2.9
Other diseases peculiar to first year of life (161)	130	2.6	113	2.5	11	3.0	6	3.5
Accidents (169-195)	13	0.3	9	0.2	3	0.8	1	0.6
All other defined causes (196-200)	22	0.4	20	0.4	8	2.2	3	1.8
All defined and unknown (190-200)	26	0.5	15	0.3	-	-	-	-

* Number per 1,000 live births.

It has been a matter of some concern that the neonatal death rate has not fallen at the same rate as that for infants over one month of age. The rates quoted above and shown in tables 14 and 15 do not show a complete picture of infant deaths. Infant deaths include all of the deaths under 12 months; this includes all neonatal deaths (those under 1 month). Using the deaths from 1 month to 12 months, then, and comparing these with neonatal deaths, the unequalness of fall in this downward trend has been revealed in Chart 5.

Chart 2

Death Rates for Infants Under One Month and from One Through Eleven Months of Age Oklahoma, 1928 - 1948



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, 1929-1948

Estimated population, July 1	1929	1930	1931	1932	1933			
Number	Rate	Number	Rate	Number	Rate			
Live Births*	39,738	16.8	42,505	17.8	43,269	18.1		
Stillbirths	3,473	1.4	3,483	1.6	3,057	1.3		
Total deaths, all causes	21,478	33.8	21,480	30.2	21,474	27.4		
Deaths under 1 year	14,511	36.5	16,572	38.2	17,797	37.9		
Typhoid, paratyphoid fevers	244	10.3	256	10.7	258	10.3		
Unlabeled fever	5	-	5	-	2	-		
Meningococcus meningitis	6	-	11	4.7	7	3.4		
Scarlet fever	10	50	2,1	4.2	1.7	0.8		
Measles	6	244	6.2	5.5	2.3	1.1		
Pneumonia	10	254	11.2	9.0	4.2	2.1		
Tuberculosis	122	28	11.6	12.3	100	4.2		
Tuberculosis, all forms	13-22	1.266	54.7	1.295	51.5	1.294		
Respiratory system	13	1,206	50.9	1,172	48.9	1,182		
Huachuca	260	-	1,292	48.5	1,295	48.2		
Dysentery	27	-	1,295	48.7	1,290	48.3		
Measles	28	-	106	13.6	105	13.2		
Syphilis	29	-	102	12.5	103	12.7		
Smallpox	30	-	105	12.5	107	12.9		
Measles	35	-	1,048	69.2	1,049	68.2		
Measles poliomyelitis and aseptic	27	1.1	123	5.8	1.0	0.5		
poliomyelitis	36	-	123	5.7	123	5.9		
Acute infectious encephalitis	37	-	33	1.4	40	1.7		
Rocky Mountain spotted fever	39	14	6	0.4	9	0.3		
Measles	41	-	8	0.3	8	0.3		
Other infectious and parasitic diseases	42	-	15	0.6	16	0.7		
Cancer	42	1,218	4.5	1,192	4.5	1,192		
Other tumors	42	1,218	5.1	1,192	5.3	1,192		
Acute rheumatic fever	59	-	1,192	5.3	1,192	5.3		
Diabetes mellitus	63	-	208	8.8	214	8.9		
Diabetes	65	-	279	11.8	300	12.5		
Other diseases of nutrition, endocrinology, and metabolism	66	-	200	12.5	240	10.0		
Diseases of the heart and blood	67	152	6.4	87	3.6	83	3.5	
Formation organs (72-76), and intoxications	68	53	2.2	123	5.1	136	5.7	
Chronic poisoning and intoxication	69	42	1.8	48	2.0	67	2.8	
Cerebral hemorrhage, embolism	70	-	27	1.1	27	1.1		
Thromboangiitis, softening	71	-	2,111	56.6	1,561	45.9		
Other diseases of nervous system	72	1,464	61.8	1,401	58.5	1,429	59.8	
Diabetes mellitus	73	-	2,129	10.9	2,129	10.9		
Other diseases of nervous system	74	-	2,129	10.9	2,129	10.9		
Disturbances of the nervous system	75	-	2,129	10.9	2,129	10.9		
Other diseases of the circulatory system	76	-	2,129	10.9	2,129	10.9		
Pneumonia, all forms (107-109)	77	-	2,129	10.9	2,129	10.9		
Other diseases of the respiratory system	78	-	2,129	10.9	2,129	10.9		
Diarrhea and enteritis under 2 yrs.	79	1,726	15.7	1,722	15.7	1,722	15.7	
Diarrhea and enteritis over 2 yrs.	80	1,726	15.7	1,722	15.7	1,722	15.7	
Hemolytic intestinal obstruction	81	-	203	8.5	164	7.5		
Gastritis of the liver (124)	82	-	103	4.3	97	4.1		
Other diseases of the digestive system (115-118, 122, 125-129)	83	627	26.5	583	24.3	533	23.8	
Nephritis (120-122)	84	-	1,190	50.2	1,211	50.6	1,095	45.8
Urinary diseases of the genito-urinary system (133-139)	85	-	176	7.5	209	8.7	235	9.8
Diarrhea and enteritis	86	-	327	8.2	292	6.9	269	6.2
Spontaneous abortion (140-142)	87	-	124	3.1	134	3.2	128	3.0
Congenital malformations, diaphragm-pelvis	88	-	1,229	51.9	1,190	49.7	1,027	43.0
Spontaneous abortion (140-142)	89	-	774	23.2	570	43.7	442	46.5
Suitcase (135-142)	90	-	198	8.4	232	9.7	265	11.1
Measles	91	-	207	10.4	266	11.0	261	11.2
Other congenital anomalies	92	-	311	12.2	422	14.2	413	19.5
Other defined causes	93	-	1,288	47.6	1,066	48.2	942	92.5
Other defined causes	94	-	1,288	47.6	1,066	48.2	942	92.5
All defined and unknown (199-200)	95	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	96	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	97	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	98	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	99	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	100	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	101	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	102	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	103	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	104	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	105	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	106	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	107	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	108	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	109	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	110	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	111	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	112	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	113	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	114	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	115	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	116	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	117	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	118	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	119	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	120	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	121	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	122	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	123	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	124	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	125	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	126	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	127	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	128	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	129	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	130	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	131	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	132	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	133	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	134	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	135	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	136	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	137	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	138	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	139	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	140	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	141	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	142	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	143	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	144	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	145	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	146	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	147	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	148	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	149	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	150	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	151	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	152	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	153	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	154	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	155	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	156	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	157	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	158	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	159	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	160	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	161	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	162	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	163	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	164	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	165	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	166	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	167	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	168	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	169	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	170	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	171	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	172	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	173	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	174	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	175	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	176	-	615	35.0	619	35.9	482	38.5
All defined and unknown (199-200)	17							

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1929-1948 - Continued

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1929-1948 - Continued

*145a not included until 1955

TABLE B. RECORDED* BIRTHS, STILLBIRTHS, DEATHS, INFANT AND NEONATAL DEATHS, NUMBER AND RATE, BY COUNTY, OKLAHOMA, 1948

STATE OR COMMUNITY		COUNTY	BIRTHS		STILLBIRTHS		DEATHS		NEONATAL DEATHS		INFANT DEATHS		
	Number		Basis**	Number	Rate*	Number	Rate*	Number	Rate*	Number	Basis**	Number	Rate*
ENTIRE STATE . . .	49,758		21.3	969	18.3	16,655	8.0	1,150	23.1	1,666	33.9		
Alaska	173	10.6	8	46.2	9%	58	—	—	—	5	37.0		
Ariz.	135	10.6	8	29.5	89	70	6.7	9	22.2	15	37.4		
Arkla.	320	10.6	8	25.0	97	50	5.9	9	28.1	16	33.4		
Bever.	181	21.3	7	35.7	50	70	3.9	9	27.1	16	33.4		
Bethel.	667	667	12	38.0	127	207	30.7	12	36.0	42.0	24.0		
Blaime.	325	18.3	13	40.0	126	7.1	24	21.5	28	27.7	29		
Blkym.	713	21.3	14	19.6	251	7.6	16	11.7	25	35.1	33.7		
Boomer.	251	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Brown.	251	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Buch.	251	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Buham.	251	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Camb.	1,655	36.6	36	24.9	61	5.6	25	21.5	28	35.1	33.7		
Camden.	606	36.6	36	24.9	61	5.6	25	21.5	28	35.1	33.7		
Carson.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	688	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	678	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cherokee.	678	33.7	13	19.2	128	7.9	18	12.7	21	46.1	27		
Chontar.	456	18.3	12	26.3	12	18.8	1.9	3.9	1	38.5	13.8		
Charron.	26	5.4	1	—	—	—	—	—	—	4	—		
Cleveland.	743	24.5	9	12.1	392	12.9	10	13.5	12	32.6	16.2		
Coalg.	92	18.3	8	21.7	47	5.4	10	21.7	13	34.5	17		
Com.	1,655	36.6	36	24.9	61	5.6	25	21.5	28	35.1	33.7		
Concord.	606	36.6	36	24.9	61	5.6	25	21.5	28	35.1	33.7		
Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	606	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	606	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	606	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	606	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
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Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
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Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
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Cook.	373	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	606	18.3	16	34.0	129	6.1	9	20.0	11	31.4	26		
Cook.	373	18.3</											

TABLE I. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1948

Estimated population, July 1, 1948		TOTAL	WHITE		NEGRO		INDIAN	
			Number	Rate	Number	Rate	Number	Rate
LIVE BIRTHS*		2,734,455	2,110,543	78.5	160,787	65,125		
Physician in hospital		50,428	21,6	1,053	3,559	22.6	1,706	27.0
Physician in home		40,545	...	37,593	21.4	1,115	1,788	...
Saintlitha, other, or unknown		8,426	...	7,130	181	...
Mother, other, or unknown		1,457	...	383	927	...	147	...
Physician in hospital		914	18.1	741	16.4	42	49	28.7
Physician in home		702	...	598	...	63	41	...
Mother, other, or unknown		393	...	334	...	42	4	44
Total under 1 month		39,333	8.2*	36,699	7.9	1,793	5874	9.5**
Deaths under 1 month		39,333	8.2*	36,699	7.9	1,793	5874	9.5**
Deaths under 1 month		1,721	3.5	1,609	3.1	50	110	24.0
Typebills, paroxysmal fevers (1-2)		1,184	1.02	1,022	22.7	121	35.3	
Hibdant fever (1)		1	0.0	1	0.0	-	-	-
Hemophilic meningitis (6)		10	0.4	10	0.5	-	-	-
Scarlet fever (8)*		-	-	14	4	-	-	-
Whooping cough (9)*		46	2.9	39	6.6	2	2.5	12
Tuberculosis (10)		7	0.3	7	1.2	-	3	4.8
Tuberculosis, all forms (15-22)		622	26.6	435	20.6	105	1.2	3.2
Respiratory system (33)		581	24.9	408	19.3	94	16.3	82
Tuberculosis (26a)		3	1	1	0.3	0.6	0.6	155.1
Dysentery (27)		28	1.2	14	0.7	1	3.1	9
Syphilis (30)		162	6.3	124	5.9	31	19.3	14.3
Malaria (33)		119	5.1	95	4.5	15	9.3	11.3
Measles (35)		7	0.3	6	0.3	-	1	1.6
Anti poliomyelitis and anti-polioencephalitis (66)		35	1.5	34	1.6	1	0.6	1.6
Anti infection encephalitis (37)		1	0.0	1	0.0	-	1	-
Hockey Mountain spotted fever (Rocky Mountain spotted fever)		Other diseases of nervous system and nerve centers	2,110,543	78.5	2,110,543	78.5	1,607,000	72.4
Diabetes mellitus (10)		52	2.2	42	2.0	7	4.4	4.8
Gonorrhoea (7)		2,416	106.7	2,011	104.8	172	107.0	82.4
Other human (5-67)		216	0.4	161	0.3	15	0.9	1.3
Acute rheumatic fever (58)		393	16.8	352	16.6	29	18.0	20.6
Diabetes mellitus (61)		38	1.6	30	1.4	3	3.7	3.2
Pellagra (69)								
Other diseases of nutrition, endocrinology, glands, and avitaminosis		54	2.3	47	2.2	6	3.7	1.6
Diseases of heart and blood vessels		187	8.0	168	8.0	15	9.3	6.3
Formation of cysts (75-6)								
Chronic poisoning and intoxication (77-79)		23	1.0	16	0.8	2	1.2	5
Other diseases of the respiratory system (107-108), including		2,014	86.3	1,794	85.0	184	11.4	36
Diarrhea, enteritis, and enterocolitis		216	9.3	190	9.0	19	11.8	10.3
Diarrhea, enteritis, and enterocolitis		5,189	22.2	4,754	22.5	266	227.6	10.6
Diseases of the afterbirth (9-67)		345	14.8	321	15.2	17	11.1	11.1
Other diseases of the circulatory system (100-101)		77	3.3	59	2.8	17	10.6	1
Neurosis, all forms (107-109)		725	31.1	564	26.7	10	68.4	8.8
Other diseases of the nervous system		1,044	39.0	900	39.0	10	60.0	1.6
Hepatitis (130-132)		127	9.3	104	9.2	17	10.6	6
Other diseases of the genito-urinary system		1,150	39.9	1,026	39.9	18	28.5	39.5
Diarrhea, enteritis, and enterocolitis		29	1.0	25	1.0	5	2.1	4.3
Anemia (118-120)		85	3.6	74	3.5	1	1.6	1.6
Hernia, intestinal obstruction (122)		5,58	111	5,33	110	9	14.3	14.3
Cirrhosis of the liver (124)		154	6.6	138	6.5	16	7.5	7.5
Other diseases of the digestive system (115-118, 123, 125-129)		308	12.2	268	12.7	28	17.4	12
Nephritis (130-132)		1,034	44.3	834	39.5	171	106.4	45.9
Other diseases of the genito-urinary system		200	8.6	181	8.6	15	9.3	6.3
Diarrhea, enteritis, and enterocolitis		62	1.2	47	1.0	4	3.8	2.3
And the amorphium (140-145)		9	0.2	47	0.2	4	4	2.3
Complicated malnutrition diseases								
Other accidents (169, 201-205)		9,90	40.3	820	38.9	97	60.3	36.4
Other defined causes (59, 151-156)		2,5	52	2,5	52	6	1.6	1.6
NIH defined and unknown (159, 200-201)		59	29	372	13.9	31.1	47.5	

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NUMBER PER 1,000 LIVE BIRTHS

umber per 1,000 estimated popula-

TABLE IV. LEADING CAUSES OF DEATH BY RACE, OKLAHOMA, 1948

	Cause of Death	Crude Rate of Mortality	
		Number of Deaths	Per Cent of Total
Total, All Races			
Heart disease	5,189	27.2	
Cancer	2,490	13.1	
Cerebral hemorrhage, embolism, thrombosis, softening	2,014	10.6	
All external malformations, diseases peculiar to first year	1,480	7.8	
Hepatitis	1,036	5.4	
Pneumonia	725	3.9	
Tuberculosis	622	3.3	
White			
Heart disease	4,754	28.5	
Cancer	2,365	13.6	
Cerebral hemorrhage, embolism, thrombosis, softening	1,794	10.8	
All accidents	1,312	7.7	
Congenital malformations, diseases peculiar to first year	1,092	6.3	
Infantile diseases	834	5.0	
Pneumonia	594	3.4	
Tuberculosis	423	2.6	
Black			
Heart disease	3,966	20.3	
Cerebral hemorrhage, embolism, thrombosis, softening	2,044	10.9	
Cancer	1,721	9.6	
Hepatitis	1,222	6.8	
All accidents	1,110	6.1	
Pneumonia	1,077	5.9	
Congenital malformation, diseases peculiar to first year	105	5.8	
Infantile diseases	105	5.8	
Male			
Heart disease	6,822	13.7	
Cancer	529	8.7	
Pneumonia	52	8.5	
All accidents	46	7.7	
Congenital malformations, diseases peculiar to first year	37	6.2	
Infantile diseases	35	6.0	
Tuberculosis	29	4.9	

TABLE V.
RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

See notes on Table

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

TABLE V.
RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND MIGRATION BY COUNTY AND RACE, OKLAHOMA, 1940

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

Estimated population, July 1, 1948	CAKTER			CHEROKEE			CHICKASAW		
	Total	White	Black	Total	White	Black	Total	White	Black
Physician in hospital	782	701	81	65	56	9	74	60	14
Physician at home	573	522	51	16	14	2	235	215	20
Physician or unknown	194	148	46	13	12	1	135	123	3
Stillbirth	20	18	2	1	1	0	12	10	2
Physician in hospital	204	184	20	13	12	1	17	15	2
Physician, other, or unknown	9	6	3	1	2	0	4	3	1
Total death, all causes ^a	357	9.0	304	50	3	1	277	225	53
Deaths under 1 year ^a	291	7.6	118	7	2	0	94	61	31
Deaths under 1 month ^a	20	4.2	17	2	1	0	15	11	4
Typhoid, paratyphoid fevers ^a	1	0	2.5	1	1	0	23	17	6
Malaria	1	0	1	0	0	0	1	0	1
Meningoencephalitis ^a	6	0	6	0	0	0	0	0	0
Scarlet fever ^a	0	0	0	0	0	0	0	0	0
Whooping cough ^a	9	0	9	0	0	0	0	0	0
Diphtheria ^a	10	0	10	0	0	0	0	0	0
Tetanus ^a	12	0	12	0	0	0	0	0	0
Tuberculosis, all forms ^a	12	30.4	10	2.2	6	0	11	46.2	6
Respiratory system ^a	12	30.4	10	2.2	6	0	10	42.0	5
Hepatitis	1	0	1	0	0	0	0	0	0
Diarrhea	27	0	27	0	0	0	0	0	0
Malaria ^a	18	0	18	0	0	0	0	0	0
Influenza ^a	3	7.6	3	2	2	0	1	3	0
Smallpox ^a	3	0	3	0	0	0	0	0	0
Measles ^a	15	0	15	0	0	0	0	0	0
Meato-polio-syphilis ^a	0	0	0	0	0	0	0	0	0
Hepatitis, acute	0	0	0	0	0	0	0	0	0
Hepatitis, chronic	0	0	0	0	0	0	0	0	0
Hepatitis, acute and chronic	0	0	0	0	0	0	0	0	0
Other infections and parasitic diseases ^a	31	7.1	25	20	5	0	28	22	6
Cancer ^a	32	38	36	39	34	5	43	37	6
Osteoarthritis ^a	2	0	2	0	0	0	0	0	0
Other tumors ^a	56	57	51	51	51	5	52	52	5
Acute myocarditis ^a	61	0	61	0	0	0	0	0	0
Pellagra ^a	62	0	62	0	0	0	0	0	0
Other diseases of nervous system ^a	62	6.8	70	21	29	0	31	10	3
Diabetes & arteriosclerosis ^a	31	32	38	36	39	3	31	10	3
Diabetes of the heart ^a	3	7.6	3	4	3	0	3	9	0
Diabetes of the arteries ^a	3	7.6	3	4	3	0	3	9	0
Other diseases of the circulatory system ^a	10	1.0	10	1	1	0	10	1.0	1
Other diseases of the respiratory system ^a	110	11.0	110	11	11	0	107	10.7	11
Diarrhea & enteritis under 2 yrs ^a	19	10.1	37	3	14	69.6	12	1	1
Diarrhea & enteritis over 2 yrs ^a	120	12.7	80	1	3	24.9	3	1	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis under 2 yrs ^a	119	12.5	12	1	1	0	118	12.2	1
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0
Other diseases of the respiratory system ^a	1	0	1	0	0	0	0	0	0
Diarrhea & enteritis over 2 yrs ^a	120	12.5	2	1	1	0	118	12.2	1
Appendicitis ^a	1	0	1	0	0	0	0	0	0
Beriberi, intestinal obstruction ^a	1	0	1	0	0	0	0	0	0
Chronic disease of the liver ^a	24	2.5	2	1	1	0	23	2.0	1
Other chronic diseases ^a	120	12.0	120	12	12	0	118	11.8	12
Other diseases of the heart ^a	1	0	1	0	0	0	0	0	0
Other diseases of the arteries ^a	1	0	1	0	0	0	0	0	0
Other diseases of the circulatory system ^a	1	0	1	0	0	0	0	0	0

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY AND MIGRANT BY COUNTY AND RACE, OCT. 1, 1940

TABLE V. RESIDENT BIRTHS, DEATHS AND DEATHS BY DEPARTMENT CITIES NUMBER AND PERCENT

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RATE, OKLAHOMA, 1948

Estimated population, July 1, 1948	TOTAL			INDEX			BILLS			GORE FIELD		
	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Live Births*	10,880	Wh.	Ind.	7,892	Wh.	Ind.	42,712	Wh.	Ind.	42,712	Wh.	Ind.
Physician in hospital	169	15.5	157	12	142	18.0	142	11.0	22.3	1,073	31	4
Physician in home	38	3.3	38	12	5	3.3	5	3.5	3.5	35	32	1
Midwife, other, or unknown	5	0.5	295	5	2	24.1	2	2	2	8	1	1
Physician in hospital	14	1.4	14	1	1	1	1	1	1	1	1	1
Physician in home	1	0.1	1	1	1	1	1	1	1	1	1	1
Midwife, other, or unknown	1	0.1	1	1	1	1	1	1	1	1	1	1
Total deaths, all causes	101	9.3	95	6	62	7.9	62	4.2	8.7	421	42	19
Deaths under 1 month	5	0.5	5	5	35.2	5	35.2	5	5	36.9	35	1
Typhoid, paratyphoid fevers (1,2)	4	0.4	4	4	28.2	4	28.2	4	4	36.4	35	1
Urticaria (5)	1	0.1	1	1	1	1	1	1	1	1	1	1
Meningoencephalitis (6)	1	0.1	1	1	1	1	1	1	1	1	1	1
Sarcoid, fever (9)	1	0.1	1	1	1	1	1	1	1	1	1	1
Diphtheria (10)	1	0.1	1	1	1	1	1	1	1	1	1	1
Tetanus (12)	1	0.1	1	1	1	1	1	1	1	1	1	1
Tuberculosis, all forms (1,2-22)	1	0.9	1	1	1	1	1	1	1	1	1	1
Respiratory system (13)	1	0.9	1	1	1	1	1	1	1	1	1	1
Nitrohematoxis (24a)	1	0.9	1	1	1	1	1	1	1	1	1	1
Diarrhea (27)	1	0.9	1	1	1	1	1	1	1	1	1	1
Urticaria (27)	1	0.9	1	1	1	1	1	1	1	1	1	1
Meningoencephalitis (6)	1	0.9	1	1	1	1	1	1	1	1	1	1
Sarcoid, fever (9)	1	0.9	1	1	1	1	1	1	1	1	1	1
Smallpox (32)	1	0.9	1	1	1	1	1	1	1	1	1	1
Measles (35)	1	0.9	1	1	1	1	1	1	1	1	1	1
Acute poliomyelitis and acute poliomyelitis and acute poliomyelitis (36)	1	0.9	1	1	1	1	1	1	1	1	1	1
Acute infectious mononucleosis (37)	1	0.9	1	1	1	1	1	1	1	1	1	1
Hepatitis, acute (38)	1	0.9	1	1	1	1	1	1	1	1	1	1
Other human spotted fever (39c)	1	0.9	1	1	1	1	1	1	1	1	1	1
Encephalitis (40-43)	2	1.9	2	1	1	1	1	1	1	1	1	1
Cancer (40-49)	12	110.3	12	1	1	1	1	1	1	1	1	1
Oncocytoma (45-55)	1	9.2	1	1	1	1	1	1	1	1	1	1
Acute rheumatic fever (58)	1	9.2	1	1	1	1	1	1	1	1	1	1
Diabetes mellitus (61)	1	9.2	1	1	1	1	1	1	1	1	1	1
Pellagra (69)	1	9.2	1	1	1	1	1	1	1	1	1	1
Other diseases of metabolism, endocrinology, and nutrition (69-71)	1	9.2	1	1	1	1	1	1	1	1	1	1
Diseases of the blood and blood vessels (72-76)	2	18.4	2	1	1	1	1	1	1	1	1	1
Chronic poisoning and intoxication (77-79)	1	9.2	1	1	1	1	1	1	1	1	1	1
Cerebral hemorrhage, embolism, thrombosis, and embolism (80-87)	14	128.7	14	7	88.7	7	41	82.4	37	4	12.9	4
Other diseases of the heart (88-90)	1	9.2	1	1	1	1	1	1	1	1	1	1
Diseases of the heart (90-95)	31	284.9	30	1	1	1	1	1	1	1	1	1
Diseases of the arteries (96-99)	1	9.2	1	1	1	1	1	1	1	1	1	1
Other diseases of the circulatory system (100-107)	1	9.2	1	1	1	1	1	1	1	1	1	1
Promiscuity, all forms (108-109)	1	9.2	1	1	1	1	1	1	1	1	1	1
Other diseases of the respiratory system (110-116)	1	9.2	1	1	1	1	1	1	1	1	1	1
Diarrhea & enteritis, acute (117-120)	1	9.2	1	1	1	1	1	1	1	1	1	1
Diarrhea & enteritis, over 2 years (120)	1	9.2	1	1	1	1	1	1	1	1	1	1
Gastritis, intestinal obstruction (122)	1	9.2	1	1	1	1	1	1	1	1	1	1
Other diseases of the digestive system (123-129)	4	36.8	4	1	1	1	1	1	1	1	1	1
Appendicitis (129-133)	6	55.1	5	1	3	58.0	3	20	20.1	9	1	1
Other diseases of the digestive system (133-136)	1	9.2	1	1	1	1	1	1	1	1	1	1
Diarrhea or persistent diarrhea (137-140)	2	18.4	2	1	1	1	1	1	1	1	1	1
Diseases of the gallbladder, liver, and the pancreas (140-150)	1	5.9	1	1	1	1	1	1	1	1	1	1
Septicemia (150-157)	1	5.9	1	1	1	1	1	1	1	1	1	1
Congenital malformations, diseases peculiar to fetus or of birth (156-161)	4	36.8	4	3	38.0	3	36	72.4	36	1	1	1
Schistosomiasis (162-164)	2	18.4	2	1	1	1	1	1	1	1	1	1
Scabies (165-167)	1	9.2	1	1	1	1	1	1	1	1	1	1
Motor vehicle accidents (168-170)	1	9.2	1	1	1	1	1	1	1	1	1	1
Other accidents (170-175)	9	82.7	9	2	25.3	2	2	18.2	15	4.0	2	1
III defined and unknown (176-191)	3	27.6	2	1	1	1	1	1	1	1	1	1
III defined and unknown (192-200)	3	27.6	2	1	1	1	1	1	1	1	1	1

See notes on Table I

Estimated population, July 1, 1948	GARVIN			GRADY			GRANT		
	No.	No.	No.	No.	No.	No.	No.	No.	No.
Live Births*	31,028	Wh.	Ind.	40,249	Wh.	Ind.	11,590	Wh.	Ind.
Physician in hospital	697	22.5	676	17	4	773	33	2	205
Physician in home	628	2	622	2	2	581	1	1	177
Midwife, other, or unknown	4	10.0	5	14	1	190	1	1	177
Stalibirth	4	10.0	5	14	1	190	1	1	177
Physician in hospital	7	10.0	5	17	2	22.0	13	4	177
Physician in home	7	10.0	5	17	2	22.0	13	4	177
Midwife, other, or unknown	7	10.0	5	17	2	22.0	13	4	177
Total deaths, all causes	201	6.6	185	11	14	379	6.4	318	21
Deaths under 1 month	20	2.7	18	1.1	14	28	2.5	23	1.4
Typhoid, paratyphoid fevers (1,2)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Urticaria (27)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Meningoencephalitis (6)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Sarcoid, fever (9)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Smallpox (32)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Measles (35)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Acute poliomyelitis and acute poliomyelitis and acute poliomyelitis (36)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Acute infectious mononucleosis (37)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Hepatitis, acute (38)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Other human spotted fever (39c)	1	0.1	1	0.1	1	0.1	1	0.1	0.1
Encephalitis (40-43)	31	32.3	31	11	22.1	11	10	25.3	29
Fever, organic (44-46)	31	32.3	31	11	22.1	11	10	25.3	29
Chronic poisoning and intoxication (47-49)	3	3.0	3	1	1	1	1	3.0	29
Other diseases of the circulatory system (50-52)	1	3.2	1	1	1	1	1	3.2	29
Chronic poisoning and intoxication (53-56)	3	9.7	3	1	1	1	1	8.6	1
Cerebral hemorrhage, embolism, thrombosis, and embolism (57)	1	3.2	1	1	1	1	1	3.2	1
Pellagra (69)	1	3.2	1	1	1	1	1	3.2	1
Other diseases of nutrition, endocrinology, and metabolism (69-71)	1	3.2	1	1	1	1	1	3.2	1
Diseases of the kidneys (72-74)	1	3.2	1	1	1	1	1	3.2	1
Diseases of the arteries (75-78)	4	14.8	4	4	4	4	4	14.8	4
Other diseases of the circulatory system (79-82)	4	14.8	4	4	4	4	4	14.8	4
Pneumonia, all forms (107-109)	9	29.0	8	1	1	1	1	28.9	1
Other diseases of the respiratory system (109-116)	9	29.0	8	1	1	1	1	29.0	1
Pneumonia (116-126), II-IIa, IIa-IIb	2	6.4	2	1	1	1	1	6.4	1
Bacterial septicemia, II-IIa, IIa-IIb	1	3.2	1	1	1	1	1	3.2	1
Appendicitis (122)	46	14.8	43	1	10	7	17.3	25.3	9
Hernia, intestinal obstruction (125)	4	14.8	4	4	4	4	4	14.8	4
Other diseases of the digestive system (125-129)	4	14.8	4	4	4	4	4	14.8	4
Pneumonia (115-118), I-II, II-IIa	2	6.4	2	1	1	1	1	6.4	1
Other diseases of the digestive system (115-118), I-II, II-IIa	2	6.4	2	1	1	1	1	6.4	1
Hemorrhoids (120-121)	1	3.2	1	1	1	1	1	3.2	1
Diarrhea and intestinal obstruction (125)	1	3.2	1	1	1	1	1	3.2	1
Other diseases of the digestive system (125-129)	1	3.2	1	1	1	1	1	3.2	1
Other diseases of the digestive system (115-118), I-II, II-IIa	4	12.9	4	4	4	4	4	12.9	4
Hemorrhoids (120-121)	9	29.0	6	2	13.2	12	12	29.0	8
Diarrhea and intestinal obstruction (125)	1	3.2	1	1	1	1	1	3.2	1
Other diseases of the digestive system (125-129)	1	3.2	1	1	1	1	1	3.2	1
Septicemia (109-110), I-II, II-IIa	1	14.4	1	1	1	1	1	14.4	1
Congenital malformations (116-119), I-II, II-IIa	16	51.6	15	3	28	14.9	25	3	51.6
Schistosomiasis (116-119)	16	51.6	15	3	28	14.9	25	3	51.6
Schistosomiasis (116-119), I-II, II-IIa	16	51.6	15	3	28	14.9	25	3	51.6
Schistosomiasis (116-119), I-II, II-IIa	16	51.6	15	3	28	14.9	25	3	51.6
Schistosomiasis (116-119), I-II, II-IIa	16	51.6	15	3	28	14.9			

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE

BY COUNTY, AND NUMBER BY COUNTY AND RACE, OREGON, 1948

Estimated population, July 1, 1948	OBER			HARVEY			HARPER			
	Total No.	Rate No.	Rate Ind.	Total No.	Rate No.	Rate Ind.	Total No.	Rate No.	Rate Ind.	
Live Births*	12,556	19.0	232	7	155	35.5	147	9	124	20.2
Physician in hospital	239	26.6	4	114	33	9	98	26	—	
Physician at home	33	37.7	8	1	3	19.2	2	16.1	2	
Mother, other, or unknown	9	—	—	1	2	—	1	—	—	
Stillbirths	1	—	—	1	1	—	1	—	—	
Physician in hospital	1	—	—	1	1	—	1	—	—	
Physician at home	1	—	—	1	1	—	1	—	—	
Mother, other, or unknown	1	—	—	1	1	—	1	—	—	
Total deaths, all causes ¹	118	9.4	109	9	59	55.9	59	47	47	
Deaths under 1 year ²	1	4.2	1	3	30.2	3	4	32.3	4	
Deaths under 1 month ²	1	—	—	1	—	—	1	—	—	
Typhoid, paratyphoid fevers (1-2)	1	—	—	1	—	—	1	—	—	
Influenza, pneumonia, and related (6)	1	—	—	1	—	—	1	—	—	
Scarlet fever (8)	1	—	—	1	—	—	1	—	—	
Pneumonia (9)	1	—	—	1	—	—	1	—	—	
Diphtheria (10)	1	—	—	1	—	—	1	—	—	
Tuberculosis (12)	1	—	—	1	—	—	1	—	—	
Rheumatism, all forms (13-20)	1	—	—	1	—	—	1	—	—	
Diarrhea (21)	1	—	—	1	—	—	1	—	—	
Pyrexia (22)	1	—	—	1	—	—	1	—	—	
Urinary tract infections and inflammations (23)	1	—	—	1	—	—	1	—	—	
Other infections and parasympathetic diseases (31-34)	1	—	—	1	—	—	1	—	—	
Cancer (35-45)	19	15.1	18	10	99.2	10	—	—	—	
Other tumors (46-57)	1	—	—	1	—	—	1	—	—	
Acute rheumatic fever (58)	1	2	1	1	—	—	1	—	—	
Diabetes mellitus (61)	1	8.0	1	1	9.9	1	—	—	—	
Diabetes mellitus, all forms (61-62)	1	—	—	1	—	—	1	—	—	
Arteriosclerosis, atherosclerosis, and related (63-66)	1	—	—	1	—	—	1	—	—	
Arteritis, vasculitis, and related (67-70)	1	8.0	1	1	9.9	1	—	—	—	
Chronic bronchitis and intoxication (72-76)	1	—	—	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the blood and blood-forming organs (72-76)	5	39.0	5	1	—	—	1	—	—	
Chronic bronchitis and intoxication (72-76)	1	—	—	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)	5	39.0	5	1	—	—	1	—	—	
Other diseases of the circulatory system (100-103)	1	—	—	1	—	—	1	—	—	
Pneumonia, all forms (104-107)	2	15.5	2	1	—	—	1	—	—	
Other diseases of the respiratory system (108-111)	1	8.0	1	1	9.9	1	—	—	—	
Diarrhea, enteritis, and related (112-115)	3	23.9	3	1	9.9	1	—	—	—	
Diseases of the heart (10-42, 46-57)	25	39.8	23	1	20	198.5	20	120.0	8	
Diseases of the arteries (43-59)										

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE

Estimated population, July 1, 1943	KINGMAN			KOBRA			LATTNER						
	Total	Native	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race	
15,059	No.	No.	No.	No.	22,800	Wh. Neg.	No.	No.	9,692	Wh. Neg.	No.	No.	
Live Births*	230	221	42	5	457	21.0	405	23	29	207	21.4	183	3
Physician in hospital	230	221	42	5	457	21.0	405	23	29	207	21.4	183	3
Attendant, other, or unknown	3	3	1	2	5	4.03	366	8	29	126	...	115	3
Stillbirths	3	3	1	2	5	3.77	37	2	15	126	...	115	3
Physician in hospital	1	1	1	1	4	8.8	3	1	5	24.2	...	21	5
Physician at home	1	1	1	1	4	8.8	3	1	5	24.2	...	21	5
Home delivery	1	1	1	1	4	8.8	3	1	5	24.2	...	21	5
Total deaths, all causes	121	8.0	17	1	164	7.8	151	8	5	81	8.4	76	3
Deaths under 1 month	8	28.3	7	1	11	24.1	10	1	2	8	38.6	8	1
Typhoid, paratyphoid fevers	1	2	—	—	—	—	—	—	—	—	—	—	—
Unlabeled fevers	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningoencephalitis (5)	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet fever	6	—	—	—	—	—	—	—	—	—	—	—	—
Measles	9	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria	10	—	—	—	—	—	—	—	—	—	—	—	—
Tetanus	12	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis, all forms	33-22	—	—	—	—	—	—	—	—	—	—	—	—
Respiratory system (13)	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis (26)	—	—	—	—	—	—	—	—	—	—	—	—	—
Bronchitis	27	—	—	—	—	—	—	—	—	—	—	—	—
Hilaria	28	—	—	—	—	—	—	—	—	—	—	—	—
Syphilis (30)	—	—	—	—	—	—	—	—	—	—	—	—	—
Leishmaniasis (33)	—	—	—	—	—	—	—	—	—	—	—	—	—
Schistosomiasis	34	—	—	—	—	—	—	—	—	—	—	—	—
Measles	35	—	—	—	—	—	—	—	—	—	—	—	—
Autochthonous wild and exotic	—	—	—	—	—	—	—	—	—	—	—	—	—
poliomyelitis (36)	—	—	—	—	—	—	—	—	—	—	—	—	—
Arbovirus encephalitis (37)	—	—	—	—	—	—	—	—	—	—	—	—	—
Hairy Mountain spotted fever (38)	—	—	—	—	—	—	—	—	—	—	—	—	—
Other infections and parasites (41)	—	—	—	—	—	—	—	—	—	—	—	—	—
Insects (34, 71, 112-125, 256-259, 261-264, 270-272, 274-276, 281-283, 285-287, 290-292, 294-296, 298-299, 301-303, 305-307, 309-311, 313-315, 317-319, 321-323, 325-327, 329-331, 333-335, 337-339, 341-343, 345-347, 349-351, 353-355, 357-359, 361-363, 365-367, 369-371, 373-375, 377-379, 381-383, 385-387, 389-391, 393-395, 397-399, 401-403, 405-407, 409-411, 413-415, 417-419, 421-423, 425-427, 429-431, 433-435, 437-439, 441-443, 445-447, 449-451, 453-455, 457-459, 461-463, 465-467, 469-471, 473-475, 477-479, 481-483, 485-487, 489-491, 493-495, 497-499, 501-503, 505-507, 509-509, 511-513, 515-517, 519-521, 523-525, 527-529, 531-533, 535-537, 539-541, 543-545, 547-549, 551-553, 555-557, 559-561, 563-565, 567-569, 571-573, 575-577, 579-581, 583-585, 587-589, 591-593, 595-597, 599-601, 603-605, 607-609, 611-613, 615-617, 619-621, 623-625, 627-629, 631-633, 635-637, 639-641, 643-645, 647-649, 651-653, 655-657, 659-661, 663-665, 667-669, 671-673, 675-677, 679-681, 683-685, 687-689, 691-693, 695-697, 699-701, 703-705, 707-709, 711-713, 715-717, 719-721, 723-725, 727-729, 731-733, 735-737, 739-741, 743-745, 747-749, 751-753, 755-757, 759-761, 763-765, 767-769, 771-773, 775-777, 779-781, 783-785, 787-789, 791-793, 795-797, 799-801, 803-805, 807-809, 811-813, 815-817, 819-821, 823-825, 827-829, 831-833, 835-837, 839-841, 843-845, 847-849, 851-853, 855-857, 859-861, 863-865, 867-869, 871-873, 875-877, 879-881, 883-885, 887-889, 891-893, 895-897, 899-901, 903-905, 907-909, 911-913, 915-917, 919-919, 921-923, 925-927, 929-929, 931-933, 935-937, 939-939, 941-943, 945-947, 949-949, 951-953, 955-957, 959-959, 961-963, 965-967, 969-969, 971-973, 975-977, 979-979, 981-983, 985-987, 989-989, 991-993, 995-997, 999-999, 1001-1003, 1005-1007, 1009-1009, 1011-1013, 1015-1017, 1019-1019, 1021-1023, 1025-1027, 1029-1029, 1031-1033, 1035-1037, 1039-1039, 1041-1043, 1045-1045, 1047-1047, 1049-1049, 1051-1053, 1055-1055, 1057-1057, 1059-1059, 1061-1063, 1065-1065, 1067-1067, 1069-1069, 1071-1071, 1073-1073, 1075-1075, 1077-1077, 1079-1079, 1081-1081, 1083-1083, 1085-1085, 1087-1087, 1089-1089, 1091-1091, 1093-1093, 1095-1095, 1097-1097, 1099-1099, 1101-1101, 1103-1103, 1105-1105, 1107-1107, 1109-1109, 1111-1111, 1113-1113, 1115-1115, 1117-1117, 1119-1119, 1121-1121, 1123-1123, 1125-1125, 1127-1127, 1129-1129, 1131-1131, 1133-1133, 1135-1135, 1137-1137, 1139-1139, 1141-1141, 1143-1143, 1145-1145, 1147-1147, 1149-1149, 1151-1151, 1153-1153, 1155-1155, 1157-1157, 1159-1159, 1161-1161, 1163-1163, 1165-1165, 1167-1167, 1169-1169, 1171-1171, 1173-1173, 1175-1175, 1177-1177, 1179-1179, 1181-1181, 1183-1183, 1185-1185, 1187-1187, 1189-1189, 1191-1191, 1193-1193, 1195-1195, 1197-1197, 1199-1199, 1201-1201, 1203-1203, 1205-1205, 1207-1207, 1209-1209, 1211-1211, 1213-1213, 1215-1215, 1217-1217, 1219-1219, 1221-1221, 1223-1223, 1225-1225, 1227-1227, 1229-1229, 1231-1231, 1233-1233, 1235-1235, 1237-1237, 1239-1239, 1241-1241, 1243-1243, 1245-1245, 1247-1247, 1249-1249, 1251-1251, 1253-1253, 1255-1255, 1257-1257, 1259-1259, 1261-1261, 1263-1263, 1265-1265, 1267-1267, 1269-1269, 1271-1271, 1273-1273, 1275-1275, 1277-1277, 1279-1279, 1281-1281, 1283-1283, 1285-1285, 1287-1287, 1289-1289, 1291-1291, 1293-1293, 1295-1295, 1297-1297, 1299-1299, 1301-1301, 1303-1303, 1305-1305, 1307-1307, 1309-1309, 1311-1311, 1313-1313, 1315-1315, 1317-1317, 1319-1319, 1321-1321, 1323-1323, 1325-1325, 1327-1327, 1329-1329, 1331-1331, 1333-1333, 1335-1335, 1337-1337, 1339-1339, 1341-1341, 1343-1343, 1345-1345, 1347-1347, 1349-1349, 1351-1351, 1353-1353, 1355-1355, 1357-1357, 1359-1359, 1361-1361, 1363-1363, 1365-1365, 1367-1367, 1369-1369, 1371-1371, 1373-1373, 1375-1375, 1377-1377, 1379-1379, 1381-1381, 1383-1383, 1385-1385, 1387-1387, 1389-1389, 1391-1391, 1393-1393, 1395-1395, 1397-1397, 1399-1399, 1401-1401, 1403-1403, 1405-1405, 1407-1407, 1409-1409, 1411-1411, 1413-1413, 1415-1415, 1417-1417, 1419-1419, 1421-1421, 1423-1423, 1425-1425, 1427-1427, 1429-1429, 1431-1431, 1433-1433, 1435-1435, 1437-1437, 1439-1439, 1441-1441, 1443-1443, 1445-1445, 1447-1447, 1449-1449, 1451-1451, 1453-1453, 1455-1455, 1457-1457, 1459-1459, 1461-1461, 1463-1463, 1465-1465, 1467-1467, 1469-1469, 1471-1471, 1473-1473, 1475-1475, 1477-1477, 1479-1479, 1481-1481, 1483-1483, 1485-1485, 1487-1487, 1489-1489, 1491-1491, 1493-1493, 1495-1495, 1497-1497, 1499-1499, 1501-1501, 1503-1503, 1505-1505, 1507-1507, 1509-1509, 1511-1511, 1513-1513, 1515-1515, 1517-1517, 1519-1519, 1521-1521, 1523-1523, 1525-1525, 1527-1527, 1529-1529, 1531-1531, 1533-1533, 1535-1535, 1537-1537, 1539-1539, 1541-1541, 1543-1543, 1545-1545, 1547-1547, 1549-1549, 1551-1551, 1553-1553, 1555-1555, 1557-1557, 1559-1559, 1561-1561, 1563-1563, 1565-1565, 1567-1567, 1569-1569, 1571-1571, 1573-1573, 1575-1575, 1577-1577, 1579-1579, 1581-1581, 1583-1583, 1585-1585, 1587-1587, 1589-1589, 1591-1591, 1593-1593, 1595-1595, 1597-1597, 1599-1599, 1601-1601, 1603-1603, 1605-1605, 1607-1607, 1609-1609, 1611-1611, 1613-1613, 1615-1615, 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1799-1799, 1801-1801, 1803-1803, 1805-1805, 1807-1807, 1809-1809, 1811-1811, 1813-1813, 1815-1815, 1817-1817, 1819-1819, 1821-1821, 1823-1823, 1825-1825, 1827-1827, 1829-1829, 1831-1831, 1833-1833, 1835-1835, 1837-1837, 1839-1839, 1841-1841, 1843-1843, 1845-1845, 1847-1847, 1849-1849, 1851-1851, 1853-1853, 1855-1855, 1857-1857, 1859-1859, 1861-1861, 1863-1863, 1865-1865, 1867-1867, 1869-1869, 1871-1871, 1873-1873, 1875-1875, 1877-1877, 1879-1879, 1881-1881, 1883-1883, 1885-1885, 1887-1887, 1889-1889, 1891-1891, 1893-1893, 1895-1895, 1897-1897, 1899-1899, 1901-1901, 1903-1903, 1905-1905, 1907-1907, 1909-1909, 1911-1911, 1913-1913, 1915-1915, 1917-1917, 1919-1919, 1921-1921, 1923-1923, 1925-1925, 1927-1927, 1929-1929, 1931-1931, 1933-1933, 1935-1935, 1937-1937, 1939-1939, 1941-1941, 1943-1943, 1945-1945, 1947-1947, 1949-1949, 1951-1951, 1953-1953, 1955-1955, 1957-1957, 1959-1959, 1961-1961, 1963-1963, 1965-1965, 1967-1967, 1969-1969, 1971-1971, 1973-1973, 1975-1975, 1977-1977, 1979-1979, 1981-1981, 1983-1983, 1985-1985, 1987-1987, 1989-1989, 1991-1991, 1993-1993, 1995-1995, 1997-1997, 1999-1999, 2001-2001, 2003-2003, 2005-2005, 2007-2007, 2009-2009, 2011-2011, 2013-2013, 2015-2015, 2017-2017, 2019-2019, 2021-2021, 2023-2023, 2025-2025, 2027-2027, 2029-2029, 2031-2031, 2033-2033, 2035-2035, 2037-2037, 2039-2039, 2041-2041, 2043-2043, 2045-2045, 2047-2047, 2049-2049, 2051-2051, 2053-2053, 2055-2055, 2057-2057, 2059-2059, 2061-2061, 2063-2063, 2065-2065, 2067-2067, 2069-2069, 2071-2071, 2073-2073, 2075-2075, 2077-2077, 2079-2079, 2081-2081, 2083-2083, 2085-2085, 2087-2087, 2089-2089, 2091-2091, 2093-2093, 2095-2095, 2097-2097, 2099-2099, 2101-2101, 2103-2103, 2105-2105, 2107-2107, 2109-2109, 2111-2111, 2113-2113, 2115-2115, 2117-2117, 2119-2119, 2121-2121, 2123-2123, 2125-2125, 2127-2127, 2129-2129, 2131-2131, 2133-2133, 2135-2135, 2137-2137, 2139-2139, 2141-2141, 2143-2143, 2145-2145, 2147-2147, 2149-2149, 2151-2151, 2153-2153, 2155-2155, 2157-2157, 2159-2159, 2161-2161, 2163-2163, 2165-2165, 2167-2167, 2169-2169, 2171-2171, 2173-2173, 2175-2175, 2177-2177, 2179-2179, 2181-2181, 2183-2183, 2185-2185, 2187-2187, 2189-2189, 2191-2191, 2193-2193, 2195-2195, 2197-2197, 2199-2199, 2201-2201, 2203-2203, 2205-2205, 2207-2207, 2209-2209, 2211-2211, 2213-2213, 2215-2215, 2217-2217, 2219-2219, 2221-2221, 2223-2223, 2225-2225, 2227-2227, 2229-2229, 2231-2231, 2233-2233, 2235-2235, 2237-2237, 2239-2239, 2241-2241, 2243-2243, 2245-2245, 2247-2247, 2249-2249, 2251-2251, 2253-2253, 2255-2255, 2257-2257, 2259-2259, 2261-2261, 2263-2263, 2265-2265, 2267-2267, 2269-2269, 2271-2271, 2273-2273, 2275-2275, 2277-2277, 2279-2279, 2281-2281, 2283-2283, 2285-2285, 2287-2287, 2289-2289, 2291-2291, 2293-2293, 2295-2295, 2297-2297, 2299-2299, 2301-2301, 2303-2303,													

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY AND NUMBER BY COUNTY AND RACE. OKLAHOMA, 1938

Estimated population, July 1, 1948	LONG												MCGRAWHILL												
	Total				Rate				Total				Rate				Total				Rate				
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	
Live Births*	173	19.4	161	7	5	298	16.6	290	7	1	798	22.8	50	176	82	1	247	195	6	195	105	6	195	105	
Physician in hospital	62	...	102	6	3	83	...	82	3	1	195	...	36	106	25	1	195	...	3	106	25	1	106	25	
Physician in home	110	...	2	1	1	6	2	3	1	1	195	...	39	106	25	1	195	...	3	106	25	1	106	25	
Midwife, other or unknown	2	11.6	2	1	2	20.1	6	2	3	1	201	...	6	106	25	1	201	...	5	105	25	1	105	25	
Stillbirths†	1	...	2	1	1	5	...	5	1	1	201	...	5	106	25	1	201	...	4	105	25	1	105	25	
Physician in hospital	2	...	2	1	1	5	...	5	1	1	201	...	5	106	25	1	201	...	4	105	25	1	105	25	
Physician in home	2	...	2	1	1	5	...	5	1	1	201	...	5	106	25	1	201	...	4	105	25	1	105	25	
Midwife, other or unknown	61	6.8	55	4	2	104	5.8	102	2	1	280	8.0	220	52	18	1	280	8.0	220	52	18	1	280	8.0	
Total deaths all causes*	4	23.1	3	10.7	4	2	104	5.8	102	2	16.8	5	25	31.3	10	5	3	16.8	5	25	31.3	10	5	16.8	5
Deaths under 1 year	3	10.7	3	10.7	3	2	10.7	6.7	2	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Infant mortality rate	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Neonatal mortality rate	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Stillbirth rate	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Postneonatal mortality rate	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Diagnoses (10)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Tetanus (12)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Tuberculosis, all forms (13-22)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Respiratory system (13)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Diseases of heart (13)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Diabetes (13)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Influenza (13)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Smallpox (24)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Measles (35)	1	11.2	1	1	1	4	22.3	4	4	1	12	34.3	7	1	4	12	34.3	7	1	4	12	34.3	7	1	12
Acute poliomyelitis and acute	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Acute enteric encephalitis	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Acute enteritis	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other infections and parasitic diseases	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other infections and parasitic diseases	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other tumors (56-57)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Cancer (45-58)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other tumors (56-64)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other tumors (56-64)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other tumors (56-64)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Acute rheumatic fever (58)	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium	1	...	1	...	1	...	1	...	1	...	4	...	4	...	1	...	4	...	1	...	4	...	1	...	
Other diseases of heart and pericardium																									

See notes on Table I

TABLE V.
RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OREGON, 1948

Estimated population, July 1, 1948	OREGON			PAPERS			PAYS		
	Total	Rate	Total	Total	Rate	Total	Rate	Total	Rate
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Live Births*	846	24.7	819	27	287	6	27	1172	31.3
Physician in hospital	659	621	198	18	288	28	2	1044	28
Midwife, other, or unknown	205	1	1	1	1	1	1	1	1
Stillbirths /	11	13.0	11	1	6.3	2	—	13	11.1
Physician in hospital	9	9	2	2	1	1	1	12	10.1
Midwife, other, or unknown	1	—	—	—	—	—	—	1	—
Total deaths, all causes	361	10.5	355	16	160	10.7	12	285	7.7
Deaths under 1 year /	22	22	21	16	16	16	16	265	18
Deaths under 5 years /	24.8	21	16	16	16	16	16	24	15.4
Total deaths, all forms	102	—	102	—	102	—	102	—	102
Unnatural death (6)	—	—	—	—	—	—	—	—	—
Meningoencephalitis (6)	—	—	—	—	—	—	—	—	—
Scarlet fever (6)	—	—	—	—	—	—	—	—	—
Whooping cough (9)	—	—	—	—	—	—	—	—	—
Diphtheria (10)	—	—	—	—	—	—	—	—	—
Tetanus (12)	—	—	—	—	—	—	—	—	—
Measles (13)	34	99.3	34	3	19.6	2	4	20.7	3
Influenza (26)	—	—	—	—	—	—	—	—	—
Dysentery (27)	—	—	—	—	—	—	—	—	—
Malaria (28)	—	—	—	—	—	—	—	—	—
Syphilis (30)	6	10.5	6	1	6.5	1	1	2.7	1
Influenza (33)	2.9	—	—	—	—	—	—	—	—
Smallpox (34)	—	—	—	—	—	—	—	—	—
Measles (35)	—	—	—	—	—	—	—	—	—
Influenza (36)	—	—	—	—	—	—	—	—	—
Other infectious encephalitis (37)	—	—	—	—	—	—	—	—	—
Rocky Mountain spotted fever (39)	—	—	—	—	—	—	—	—	—
Other infectious and parasitic diseases (3, 4, 7, 11, 23-25, 26b, 29)	—	—	—	—	—	—	—	—	—
Cancer (42-55)	31-32	38.3	36.9	39.6	40.4	41	11.8	39	36
Ocular tumors (56-57)	—	—	—	—	—	—	—	—	—
Acute rheumatic fever (58)	—	—	—	—	—	—	—	—	—
Brucellosis (59)	—	—	—	—	—	—	—	—	—
Other diseases of the heart and blood vessels (60-63, 66-68, 70-71)	1	2.9	1	—	—	—	—	—	—
Formation organs (72-76)	4	11.7	4	—	—	—	—	—	—
Concave poisoning and intoxication (77-79)	—	—	—	—	—	—	—	—	—
Cardiac embolism (80)	—	—	—	—	—	—	—	—	—
Thrombophlebitis, aortocaval (81)	—	—	—	—	—	—	—	—	—
Other diseases of the nervous system (82)	31	90.6	31	18	117.4	17	1	27	72.1
Other diseases of the eye, ear, nose, and throat (83-85)	—	—	—	—	—	—	—	—	—
Diseases of the heart (90-95)	1	1.6	5	1	6.5	1	4	10.7	4
Diseases of the arteries (96-99)	—	—	—	—	—	—	—	—	—
Other diseases of the circulatory system (100-103)	—	—	—	—	—	—	—	—	—
Other diseases of the respiratory system (104-106)	11	32.1	11	2	33.0	1	5	33.2	5
Diarrhea & enteritis under 2 years (109)	2.9	1	1	1	6.5	1	1	2.7	1
Diarrhea & enteritis over 2 years (120)	1	2.9	1	1	6.5	1	1	5.7	1
Hernia, intestinal obstruction (122)	3	8.8	3	2	13.0	1	2	5.3	1
Chromona of the liver (124)	5.8	—	—	—	—	—	—	—	—
Other intestinal diseases (125-129)	—	—	—	—	—	—	—	—	—
Hemorrhage (125-128)	2	5.8	2	2	13.0	2	2	5.7	2
Other diseases of the genital urinary system (130-139)	—	—	—	—	—	—	—	—	—
Diseases of pregnancy, childbirth, and the puerperium (140-150)	—	—	—	—	—	—	—	—	—
Congenital anomalies (150-159)	—	—	—	—	—	—	—	—	—
Congenital malformations (150-160)	20	58.4	20	10	12.5	2	10	12.5	10
Other anomalies (161-164)	16	46.7	16	6	39.1	5	6	48.0	6
Stroke (165-168)	7	20.4	7	2	16.5	1	2	16.7	2
Motor vehicle accidents (170)	7	20.4	7	2	13.0	2	2	22.6	1
Other accidents (171-185)	12	35.1	12	3	19.6	3	5	24.2	2
Other defined causes (186-191)	7	20.4	7	2	19.6	2	2	21.3	1
Other undefined causes (192-195)	1	2.9	1	1	5.3	2	1	2.7	1
All undefined and unknown (196-200)	2	5.8	2	1	13.0	2	1	5.3	1

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OREGON, 1948

Estimated population, July 1, 1948	PITTSBURG			PORTLAND			POTTERYATONE		
	Total	Race	Total	Total	Race	Total	Total	Race	
No.	No.	No.	No.	No.	No.	No.	No.	No.	
Live Births*	901	19.9	807	76	74	22.9	695	27	22
Physician in hospital	657	609	34	14	629	604	10	15	959
Physician in home	190	168	20	12	113	91	16	66	870
Midwife, other, or unknown	17	16.9	15	12	12	10	2	2	40
Stillbirths /	13	11.1	12	1	1	1	1	1	1
Physician in hospital	12	11.1	12	1	1	1	1	1	1
Physician in home	12	11.1	12	1	1	1	1	1	1
Midwife, other, or unknown	2	2.0	2	1	2	2	1	1	2
Total deaths, all causes	357	7.9	329	3	259	8.0	239	10	433
Deaths under 1 year /	16	4.1	16	1	17	4.1	16	4.0	410
Deaths under 5 years /	11	3.1	11	1	12	2.8	10	3.1	113
Total deaths, all forms	12	2.6	11	1	11	3.1	10	2.9	102
Respiratory system (13)	11	24.3	10	1	10	30.8	9	9	19.2
Pneumonia (26)	2	2.2	2	1	2	2.1	1	1	2.1
Measles (28)	2	2.2	2	1	2	2.1	1	1	2.1
Smallpox (32)	2	2.2	2	1	2	2.1	1	1	2.1
Measles (33)	1	—	—	—	—	—	—	—	—
Measles (34)	—	—	—	—	—	—	—	—	—
Autistic polyneuritis and acute poliomyelitis (36)	2	4.4	2	1	3.1	1	1	2.1	1
Acute infection, unspecified (37)	—	—	—	—	—	—	—	—	—
Other infectious diseases (38-41)	—	—	—	—	—	—	—	—	—
Diseases of the blood and blood-forming organs (42-45)	31-32	36.3	36.9	39.6	40.4	41	10.5	10.8	46
Cancer (45-55)	48	105.8	46	2	35	107.6	2	2	8.5
Other tumors (56-57)	41	2.2	41	1	35	3.1	1	2	4.5
Other pneumonia (58)	17	3.4	17	1	17	3.1	1	1	2.1
Brucellosis (59)	17	3.4	17	1	17	3.1	1	1	2.1
Other diseases of the heart and blood vessels (60-63, 66-68, 70-71)	1	—	—	—	—	—	—	—	—
Diseases of the heart (90-95)	2	4.4	2	1	2	4.5	1	1	4.5
Diseases of the arteries (96-99)	3	6.6	3	2	6	6.7	2	2	6.7
Other diseases of the circulatory system (100-103)	25	11.0	24	4	24	12.3	15	1	18
Pneumonia, all forms (107-109)	25	12.9	24	4	24	12.3	15	1	14
Other diseases of the respiratory system (110-112)	30	6.1	26	4	36	11.0	33	2	4.0
Other diseases of the genitourinary system (113-115)	4	8.8	3	1	2	8.5	1	1	8.5
Other diseases of the genitourinary system (116-118)	4	8.8	3	1	2	6.2	2	1	6.2
Diarrhea & enteritis over 2 years (120)	1	2.2	1	1	1	3.1	1	1	2.1
Appendicitis (121)	1	2.2	1	1	1	3.1	1	1	2.1
Hernia, intestinal obstruction (122)	7	15.4	7	2	4	12.3	2	2	12.3
Chromona of the liver (124)	2	4.4	2	1	2	4.3	1	1	4.3
Other diseases of the liver (125-127)	9	19.4	9	1	9	19.2	1	1	19.2
Other diseases of the digestive system (128-130)	9	19.8	9	1	9	20.6	1	1	20.6
Diarrhea & enteritis under 2 years (130)	1	2.2	1	1	1	3.1	1	1	2.1
Appendicitis (131)	1	2.2	1	1	1	3.1	1	1	2.1
Hernia, intestinal obstruction (132)	7	15.4	7	2	4	12.3	2	2	12.3
Chromona of the liver (134)	2	4.4	2	1	2	4.3	1	1	4.3
Other diseases of the digestive system (135-137)	9	19.4	9	1	9	19.2	1	1	19.2
Diarrhea & enteritis under 2 years (138)	1	2.2	1	1	1	3.1	1	1	2.1
Other diseases of the digestive system (139-141)	6	13.2	6	1	6	12.6	1	1	12.6
Diseases of pregnancy, childbirth, and the puerperium (140-147)	—	—	—	—	—	—	—	—	—
Congenital malformations (148-150)	12	26.5	10	1	9	27.9	1	1	27.9
Congenital malformations (151-153)	13	26.5	11	2	14	22.3	3	2	22.3
Syphilis (154-156)	3	6.6	3	1	5	6.6	2	1	6.6
Bordetella (157-158)	3	6.6	3	1	5	6.6	2	1	6.6
Motor vehicle accidents (170)	12	35.1	12	3	15.7	15.7	7	1	15.7
Other accidents (171-185)	7	20.4	7	2	13.0	13.0	5	1	13.0
Other defined causes (186-191)	21	46.3	15	6	24.6	24.6	18	1	24.6
Other undefined and unknown (192-195)	1	2.2	1	1	5.3	5.3	2	1	5.3
All undefined and unknown (196-200)	18	39.7	17	1	5	15.4	5	1	15.4

See notes on Table I

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TABLE V.
RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY AND JURISDICTION, OKLAHOMA, 1940

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE

See notes on Table I

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

Estimated population, July 1, 1948	TEXAS			TULSA			TULSA		
	Total	Race	Total	Race	Total	Race	Total	Race	
No.	No.	No.	No.	No.	No.	No.	No.	No.	
Live Births*	340	255	339	-	1	264	182	300	63
Physician in hospital	128	128	-	-	1	79	79	41	20
Physician in home	211	210	-	-	1	21	21	17	12
Mother, other, or unknown	1	1	-	-	1	2	2	1	1
Stillbirths	118	14	-	-	6	24	5	15	17
Physician in hospital	4	4	-	-	5	14	14	12	2
Physician in home	2	2	-	-	1	4	4	2	2
Mother, other, or unknown	2	2	-	-	1	1	1	1	1
Total deaths all causes*	92	6.9	92	-	189	9.5	183	35	1
Deaths under 1 year	4	11.8	4	-	18	4.9	8	5	1
Deaths under 1 month	3	8.8	3	-	10	2.7	4	1	1
Typhoid, paratyphoid fevers (1,2)	-	-	-	-	-	-	-	-	-
Urticaria (5)	-	-	-	-	-	-	-	-	-
Wentleococcus meningitis (6)	-	-	-	-	-	-	-	-	-
Scarlet fever (9)	-	-	-	-	-	-	-	-	-
Diphtheria (10)	-	-	-	-	-	-	-	-	-
Tuberculosis all forms (13-32)	-	-	-	-	-	-	-	-	-
Tularemia (2,6)	-	-	-	-	-	-	-	-	-
Dysentery (27)	-	-	-	-	-	-	-	-	-
Hockey Mountain spotted fever (36)	-	-	-	-	-	-	-	-	-
Other acute infectious diseases (20-25)	-	-	-	-	-	-	-	-	-
Cancer (45-56)*	392	34.7	392	29	11	82.6	11	26	19.1
Other tumors (56-57)	-	-	-	-	-	-	-	-	-
Diabetes mellitus (61)	-	-	-	-	-	-	-	-	-
Pellagra (69)	-	-	-	-	-	-	-	-	-
Other diseases of nutrition, elim-	-	-	-	-	-	-	-	-	-
(60-62, 66-72)	-	-	-	-	-	-	-	-	-
Diseases of the blood and blood-	-	-	-	-	-	-	-	-	-
forming organs (72-76)	-	-	-	-	-	-	-	-	-
Chronic poisoning and intoxication	-	-	-	-	-	-	-	-	-
(77-79)	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage, embolism,	-	-	-	-	-	-	-	-	-
thrombosis, softening (83)	-	-	-	-	-	-	-	-	-
Other diseases of nervous system	-	-	-	-	-	-	-	-	-
(60-62, 66-72)	-	-	-	-	-	-	-	-	-
Other diseases of the heart (63-69)	-	-	-	-	-	-	-	-	-
Pneumonia, all forms (107-109)	5	37.5	5	-	10	50.0	7	10	4.0
Other diseases of the respiratory	-	-	-	-	-	-	-	-	-
system (110-111)	-	-	-	-	-	-	-	-	-
Diarrhea enteric, under 1 year	1	1	1	-	1	1	1	1	1
Diarrhea enteric, under 1 year (20)	-	-	-	-	-	-	-	-	-
Anthrax (121)	-	-	-	-	-	-	-	-	-
Sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Globlets of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive	-	-	-	-	-	-	-	-	-
system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary	-	-	-	-	-	-	-	-	-
urinary system (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
Other diseases of the genito-urinary	-	-	-	-	-	-	-	-	-
and the peritoneal (136-140)	-	-	-	-	-	-	-	-	-
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Sentinel (142)	-	-	-	-	-	-	-	-	-
Other diseases of the digestive	1	22.5	3	-	10	50.0	5	14	3.6
system (115-118)	2	22.5	3	-	2	20.0	2	13	3.3
Nephritis (130-132)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the genito-urinary	12	90.1	12	-	13	102	4.2	39	3.7
and the peritoneal (136-140)	5	37.5	5	-	5	45.0	4	19	3.8
Other defined causes (59, 151-156)	-	-	-	-	-	-	-	-	-
Other undefined and unknown (196-198)	-	-	-	-	-	-	-	-	-
III defined and unknown (199, 200)	-	-	-	-	-	-	-	-	-

See notes on Table I

TABLE VI. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

Estimated population, July 1, 1948	WAGNER			WASHINGTON			WASHINGTON		
	Total	Race	Total	Race	Total	Race	Total	Race	
No.	No.	No.	No.	No.	No.	No.	No.	No.	
Live Births*	340	255	339	-	1	264	182	300	63
Physician in hospital	128	128	-	-	1	79	79	41	20
Physician in home	211	210	-	-	1	21	21	17	12
Mother, other, or unknown	1	1	-	-	1	2	2	1	1
Stillbirths	118	14	-	-	6	24	5	15	17
Physician in hospital	4	4	-	-	5	14	14	12	2
Physician in home	2	2	-	-	1	4	4	2	2
Mother, other, or unknown	2	2	-	-	1	1	1	1	1
Total deaths all causes*	92	6.9	92	-	189	9.5	183	35	1
Deaths under 1 year	4	11.8	4	-	18	4.9	8	5	1
Deaths under 1 month	3	8.8	3	-	10	2.7	4	1	1
Typhoid, paratyphoid fevers (1,2)	-	-	-	-	-	-	-	-	-
Urticaria (5)	-	-	-	-	-	-	-	-	-
Wentleococcus meningitis (6)	-	-	-	-	-	-	-	-	-
Scarlet fever (8)	-	-	-	-	-	-	-	-	-
Diphtheria (10)	-	-	-	-	-	-	-	-	-
Tuberculosis all forms (13-32)	-	-	-	-	-	-	-	-	-
Tularemia (2,6)	-	-	-	-	-	-	-	-	-
Dysentery (27)	-	-	-	-	-	-	-	-	-
Hockey Mountain spotted fever (36)	-	-	-	-	-	-	-	-	-
Spinaitis (30)	-	-	-	-	-	-	-	-	-
Influenza (33)	-	-	-	-	-	-	-	-	-
Smallpox (34)	-	-	-	-	-	-	-	-	-
Measles (35)	-	-	-	-	-	-	-	-	-
Autoimmune polyarthritid	-	-	-	-	-	-	-	-	-
Polymyelitis (36)	-	-	-	-	-	-	-	-	-
Acute infantile encephalitis (37)	-	-	-	-	-	-	-	-	-
Rocky Mountain spotted fever (36)	-	-	-	-	-	-	-	-	-
Other infections and parasitic diseases (34, 35, 36, 37, 38, 39, 40-44)	-	-	-	-	-	-	-	-	-
Other diseases of the heart (63-69)	-	-	-	-	-	-	-	-	-
Other diseases of the circulatory system (100-103)	5	37.5	5	-	10	40.0	7	10	4.0
Other diseases of the respiratory system (107-109)	-	-	-	-	-	-	-	-	-
Other diseases of the digestive system (110-111)	-	-	-	-	-	-	-	-	-
Diarrhea enteric, under 1 year	1	1	1	-	1	1	1	1	1
Diarrhea enteric, under 1 year (20)	-	-	-	-	-	-	-	-	-
Anthrax (121)	-	-	-	-	-	-	-	-	-
Sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Globlets of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2	-	2	10.0	2	13	5.3
sentinel, intestinal obstruction (122)	-	-	-	-	-	-	-	-	-
Other diseases of the liver (124)	1	7.5	1	-	1	5.0	1	1	1
Other diseases of the digestive system (115-118)	2	15.0	6	-	3	15.0	1	1	1
Nephritis (130-132)	-	-	-	-	-	-	-	-	-
Other diseases of the genito-urinary and the peritoneal (133-135)	2	15.0	2						

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1948

TABLE VI. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE
OKLAHOMA CITY AND TULSA, 1948

Estimated population, July 1, 1948	OKLAHOMA CITY			TULSA		
	Total	White	Non-White	Total	White	Non-White
Live Births**	24,139	23,599	539	24,058	22,9	359
Physician in hospital	5,598	5,020	578	4,958	4,63	354
Physician in home	1,05	53	52	110	...	35
Midwife, other, or unknown	18,5	16,2	93	16,5	16,5	11
Physician in hospital	8	6	2	5	3	2
Physician in home	2	2	0	3	1	2
Total deaths, all causes	1,860	1,636	222	1,422	8,0	1,210
Deaths under 1 year	167	29,3	135	11,3	105	21
Deaths under 1 month	114	88	1	96	23,7	1
Urticaria, paroxysmal fever	1	0,4	1	1	0,6	1
Urticaria, fever	1	0,4	1	2	1,1	1
Sarcoid, fever	1	1	0	1	0,6	1
Diphtheria	1	0,4	1	1	0,6	1
Tetanus (12)	1	0,4	1	1	0,6	1
Tuberculosis, all forms (13-22)	58	24,0	15	50	24,8	9
Tuberculosis, pulmonary (26a)	5	2,1	1	4	2,1	1
Diphthery (27)	1	2,1	1	1	1	1
Malaria (28)	22	9,6	13	20	11,3	14
Scabies (29)	6	2,5	6	5	2,8	5
Measles (30)	—	—	—	—	—	—
Acute poliomyelitis and acute poliomyelitis (36)	5	2,1	5	1	0,6	1
Acute infectious encephalitis (37)	—	—	—	—	—	—
Rocky Mountain spotted fever (38a)	—	—	—	—	—	—
Other infections and parasitic diseases (39)	—	—	—	—	—	—
Influenza (40-47), 11,23-25, 26b, 29	10	4,1	8	2	3,4	0
Cancer (48-55)	230	95,1	210	216	121,8	6
Other tumors (56-57)	35	15	20	15	8,5	14
Acute rheumatic fever (58)	—	—	—	1	0,5	1
Diabetes mellitus (61)	39	16,1	32	29	16,4	25
Pellagra (69)	4	1,7	3	1	0,6	1
Other diseases of nutrition, endocrine glands, and avitaminosis (69-72)	5	2,1	5	5	2,8	5
Diabetes of the mother (73-76)	18	7,4	17	16	9,0	13
Fatty degeneration of the liver (77-79)	2	0,8	2	4	2,3	4
Other diseases of the respiratory system (100-106, 108-112)	189	78,2	170	129	72,8	116
Diarrhea, enteritis, and enterocolitis	16	6,6	14	14	7,9	12
Diseases of the heart (93-95, 98-99)	568	23,4	517	373	13,2	34
Diseases of the blood (96-98)	36	14,9	31	38	21,4	34
Obstruction of the circulatory system (100-103)	2	2	0	8	6	2
Pneumonia, all forms (107-109)	53	21,9	39	50	28,5	30
Other diseases of the respiratory system (110-113, 121-125-129)	21	8,7	20	1	15	12
Diarrhea, enteritis, and enterocolitis	23	9,5	22	1	3	1
Diarrhea, enteritis, and enterocolitis over 2 years (120)	2	0,8	1	1	2,8	2
Appendicitis (121)	10	4,1	9	4	2,3	4
Ovarian, uterine, and breast cancer (122)	9	3,7	8	8	4,5	20
Other diseases of the digestive system (123-126)	119	49,2	96	23	21	1
Hepatitis (127-130)	29	12,0	28	1	23	33
Nephritis (130-132)	90	37,2	66	44,6	46	33
Other diseases of the genito-urinary system (133-139)	23	9,5	20	8	4,5	8
Diseases of pregnancy, childbirth, and the puerperium (140-150)	4	0,7	3	5	1,2	4
Other diseases of the female reproductive system (151-153)	119	49,2	96	104	58,7	14
Smelliness (155)	—	—	—	15	8,5	8
Scabies (156-164)	12	5,0	7	16	9,0	7
Motor vehicle accidents (170)	57	55	2	33	38,6	30
Other accidents (165-179)	82	33,9	72	10	5	1
Other defined causes (180-184)	4	1,7	4	1	1	1
All undefined and unknown (191-199, 200)	25	10,3	—	33	18,7	2

See notes on Table 1

TABLE VII. DEATHS FROM ACCIDENTAL CAUSES BY TYPE OF ACCIDENT, BY COUNTY OF OCCURRENCE OF ACCIDENT, OKLAHOMA, 1948

County	Total		Type of Accident									
	Number	Rate*	Motor Vehicle	Air Transportation	Other Transportation	Poisonings (Except Gas)	Poisonous Gases	Conflagration & Burns	Drowning	Firearms	Falls	All Other Accidents
ENTIRE STATE	1,447	62.0	516	55	44	32	30	155	73	48	257	237
Adair	3	18.4	2	-	-	-	-	-	1	-	-	-
Alfalfa	8	62.7	6	-	-	-	-	-	-	1	1	1
Atoka	10	68.7	4	-	-	-	-	2	1	1	-	-
Beaver.	1	11.8	-	-	-	-	-	-	1	-	1	1
Beckham	17	88.0	9	1	-	-	-	-	-	1	5	1
Blaine.	9	50.7	1	-	-	1	1	1	1	-	2	1
Bryan	19	57.3	8	-	-	1	-	1	-	-	3	4
Caddo	26	66.2	5	-	-	1	-	1	1	-	3	14
Canadian.	19	66.0	9	-	-	1	-	3	1	1	2	3
Carter.	29	73.4	11	-	-	1	1	-	1	1	3	8
Cherokee.	10	49.7	3	2	-	-	-	2	-	1	1	1
Choctaw.	13	54.6	3	-	-	1	-	2	2	-	1	2
Cimarron.	6	123.9	1	-	-	-	-	1	1	-	7	1
Cleveland.	24	79.2	9	-	-	2	-	2	2	-	-	2
Coal.	3	34.3	2	-	-	-	-	-	-	-	1	2
Comanche.	25	46.2	12	-	-	2	2	1	1	2	-	-
Cotton.	14	118.5	6	2	-	-	2	1	1	2	-	-
Craig.	16	83.2	4	2	-	-	1	2	-	1	4	8
Creek.	50	116.1	21	-	3	-	1	-	5	3	2	2
Custer.	12	52.5	5	-	-	-	-	-	-	-	1	6
Delaware.	12	75.8	1	-	-	1	2	-	1	-	1	1
Dewey	9	82.7	2	1	-	-	-	1	1	-	3	2
Ellis	3	38.0	1	-	-	-	-	-	-	-	7	2
Garfield.	29	58.3	13	4	-	-	1	1	1	-	5	8
Garvin.	24	77.3	5	-	-	1	-	1	1	-	3	3
Grady.	31	76.8	16	2	3	-	1	1	-	-	2	2
Grant.	7	60.4	2	-	-	-	-	1	1	-	1	1
Greer.	6	47.8	1	-	-	-	1	1	1	-	-	1
Harmon.	3	29.8	3	-	-	-	-	-	-	-	2	1
Harper.	4	65.0	-	-	-	-	1	-	-	-	1	2
Haskell.	4	28.0	-	-	-	-	-	1	-	1	3	9
Hughes.	22	93.2	2	-	-	2	1	-	3	-	1	4
Jackson.	18	85.2	4	-	-	2	-	-	1	1	1	4
Jefferson.	11	83.4	4	-	-	1	-	-	1	1	1	4
Johnston.	13	110.6	4	-	-	1	-	-	2	-	4	6
Kay	20	39.1	4	1	1	-	-	1	1	-	6	3
Kingfisher.	7	46.5	2	-	-	-	-	-	1	1	1	2
Kiowa.	12	55.0	5	-	-	1	-	-	2	-	1	1
Latimer.	8	82.5	3	-	-	1	-	-	1	-	2	1
LeFlore	15	35.5	3	2	1	1	1	-	1	1	-	1
Lincoln.	24	100.7	11	1	-	-	-	4	2	-	3	3
Logan.	23	89.5	9	2	-	-	-	4	2	-	-	-
Love.	5	56.0	3	-	-	-	-	-	-	-	2	4
McClain.	6	33.4	4	-	-	-	-	-	2	-	1	7
McCurtain.	23	65.8	9	-	-	-	-	4	1	2	-	3
McIntosh.	17	84.3	3	-	-	1	1	-	2	2	-	1
Major.	4	33.9	1	-	-	-	-	1	1	-	3	1
Marshall.	3	32.2	1	-	-	-	-	1	-	4	-	1
Mayes.	12	53.6	2	1	-	-	-	-	2	3	5	4
Murray.	6	47.5	-	-	-	-	-	-	1	3	3	7
Muskogee.	58	85.4	25	1	3	2	-	11	-	2	1	1
Noble.	12	87.7	5	2	-	-	-	-	1	2	2	1
Nowata.	16	115.0	6	1	-	-	-	-	1	1	3	3
Okfuskee.	14	68.6	5	-	-	-	-	1	3	-	1	4
Oklahoma.	181	55.5	73	1	5	4	11	25	2	4	36	20
Okmulgee.	29	64.6	13	-	3	1	-	1	3	1	2	5
Osage.	21	61.8	8	-	1	-	-	2	1	-	3	6
Ottawa.	18	52.6	9	2	1	-	-	3	-	-	-	3
Pawnee.	13	84.8	4	3	-	-	-	1	1	-	7	3
Payne.	17	45.4	2	-	1	1	1	-	1	1	4	4
Pittsburg.	34	75.0	14	-	1	1	-	6	1	4	3	7
Pontotoc.	19	58.4	4	-	2	1	-	1	-	-	11	5
Pottawatomie.	26	55.6	8	-	2	1	-	3	-	-	2	3
Pushmataha.	8	59.2	2	-	-	-	-	-	-	-	-	1
Roger Mills.	1	11.9	-	-	-	-	-	-	-	-	-	1
Rogers.	23	108.2	9	-	-	-	-	3	1	2	4	3
Seminole.	22	48.9	8	-	-	-	-	1	1	2	3	3
Sequoyah.	20	84.4	1	11	1	-	-	-	2	-	2	3
Stephens.	19	60.0	7	-	1	-	-	3	-	-	4	4
Texas.	14	105.1	9	1	-	-	-	-	-	-	1	3
Tillman.	11	55.0	6	-	-	-	-	-	-	-	1	2
Tulsa.	106	42.9	38	5	3	2	2	14	5	1	30	5
Wagoner.	5	25.2	1	2	-	1	-	2	-	1	1	7
Washington.	26	81.4	7	-	-	-	-	-	1	1	5	1
Washita.	6	30.8	2	1	-	-	-	-	1	-	2	1
Woods.	13	93.6	3	-	-	-	-	-	-	-	6	2
Woodward.	20	125.7	8	4	1	-	-	1	-	-	1	3

* Number per 100,000 estimated population.