

PUBLIC HEALTH STATISTICS

STATE OF

OKLAHOMA

1961



PART II

BIRTHS AND DEATHS

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Oklahoma City, Oklahoma
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PUBLIC HEALTH STATISTICS OF OKLAHOMA
BIRTHS AND DEATHS
1961

This publication contains statistical data relating to births, deaths, and stillbirths for Oklahoma during the calendar year 1961 and for previous years. Information for 1961 is shown for the State, each county, and the two major cities, Oklahoma City and Tulsa, in seven basic tables in the Appendix. Two other tables in the Appendix give historical data for the years 1940 through 1961 for the State as a whole. The narrative portion of the bulletin, with tables and charts illustrating points of interest, presents some of the most frequently used statistics.

Tabulations in greater detail than those published are in manuscript form in the Division of Statistics of the State Department of Health and information from them is available upon request.

POPULATION

The Bureau of the Census population estimate of 2,398,000 as of July 1, 1961, for the State of Oklahoma was used for computing rates. Estimates for the counties, based on natural increase, net civilian migration, and net loss to armed forces were prepared in the Department of Agricultural Economics at Oklahoma State University. These estimates were adjusted to the Census Bureau estimate of the State total for use in this bulletin. Other independent estimates for certain population groups used are: for the white racial group, 2,177,461; for the Negro, 155,850; and for the Indian, 64,689; for Oklahoma City, 342,027; and Tulsa, 262,000.

RESIDENCE ALLOCATION

Unless otherwise specified, all data included in this publication relate to the resident population, regardless of the place of occurrence of the event. Table C in the Appendix is an exception since it shows the births, deaths, stillbirths, infant and neonatal deaths that occurred in each county during the year 1961. Birth, death, and stillbirth certificates are filed in the State in which the events occur, but a voluntary exchange of facsimiles of certificates for non-resident births and deaths between the states makes possible the reallocation of these vital events to the usual place of residence for statistical purposes. Residence reallocations were made on a county and city basis, as well as a state-wide basis.

Table 1 on the next page shows the number of births and deaths that occurred in Oklahoma to residents of other states and that were excluded, therefore, from the resident figures for this State. Comparison of these figures with the number of resident births and deaths that occurred in other states shows a net

CAUSE OF DEATH CLASSIFICATION

Table 1
Residence Allocation, Oklahoma, 1961

	Non-resident Certificates Excluded	Resident Transcripts Included
Births	743	1,510
Deaths	548	1,091

gain of both births and deaths for residence allocation. The gain of 767 births represents about 1.5 per cent of the total resident births and of 543 deaths, about 2.4 per cent of the total resident deaths.

Approximately 87.1 per cent of the resident birth transcripts and 81.2 per cent of the resident death transcripts showed the place of occurrence to be one of the six states adjoining Oklahoma. Other states in which Oklahoma resident births and deaths commonly occurred are shown in Table 2, below.

Table 2
Births and Deaths of Oklahoma Residents Occurring Outside Oklahoma,
by State in Which the Events Occurred, 1961

State	Number	
	Births	Deaths
Total	1,510	1,091
Alabama	10	4
Arizona	3	19
Arkansas	559	245
California	9	31
Colorado	45	15
Illinois	40	31
Kansas	281	169
Kentucky	22	7
Louisiana	27	12
Minnesota	2	11
Missouri	94	68
New Mexico	13	23
Tennessee	6	10
Texas	323	350
Virginia	13	2
All other	63	94

The International Statistical Classification of Diseases, Injuries, and Causes of Death (Seventh Revision of International Lists), along with the special rules and decisions recommended by the National Vital Statistics Division, has been used for selecting the underlying cause of death for statistical purposes. This revision has been in use since 1958. During the years 1949 through 1957, the Sixth Revision of the Lists was being used; the list of inclusions for some of the categories or the rules for selection of the underlying cause were slightly different from those of the Seventh Revision. Comparability ratios for the two revisions were established and should be considered when comparing rates or numbers between the two periods. Those categories that showed a comparability ratio of 2 per cent or more are listed in Table 3, below.

Table 3
Comparability Ratios for Cause of Death Categories Showing
Two Per Cent or More Change, Oklahoma, Fourth Quarter, 1957

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

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

Differences in the coding procedures established in the Sixth Revision and those in previous revisions, used prior to 1949, were greater than those in subsequent revisions. Comparability ratios based on the differences between the Fifth and Sixth Revisions are shown in Table B in the Appendix. Numbers of deaths and rates adjusted by these comparability ratios for certain categories in the years 1940-1948 are shown in the table also. The historical Table A in the Appendix gives data as originally classified by the coding rules in effect during the year concerned; these, too, can be adjusted by use of the comparability ratios in Table B when comparisons are made.

LIVE BIRTHS

During 1961, a total of 50,859 babies were born to Oklahoma residents. The crude birth rate, 21.2 per 1,000 estimated population, was the low point in an almost straight line trend started in 1948; following the all-time high peak of

23.3 in the post war year, 1947. Since that time, crude rates have varied no more than from a high of 22.6 to the new low of 21.2.

As is generally the case, the 1961 white race-specific rate was lowest, 20.1, as compared to 30.1 for the Negro and 36.1 for the Indian. The sex ratio again showed a slight margin in favor of the males, with 1,051 males per 1,000 females.

The percentages of births that occurred in hospitals, and those that had medical or non-medical attendance, for each racial group, are shown in Table 4. The proportion of hospital deliveries was slightly above the 1960 figure of 96.9. The white group had the highest rate of hospital utilization, with the Indian rate almost as high. The proportion of Negro hospital deliveries passed the 90 per cent mark for the first time. Both the white and the Indian groups reached 90 per cent of births in hospitals in 1952. The Negro rate of hospital deliveries, however, has been increasing much more rapidly than either the white or Indian rates in recent years. In 1942, only 16.4 per cent of the Negro births occurred in hospitals, as compared to 57.2 for the white and 70.0 for the Indian. The Negro rate for 1961 was about five and a half times the 1942 rate, but the white and Indian rates increased only about one and a half times during the same period. The proportion of white births in hospitals was lower than that for the Indian until 1944; since that time it has slightly exceeded the Indian.

Table 4
Live Birth Attendance by Race,
Oklahoma, 1961

Attendance	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Live Births	50,859	100.0	43,833	100.0	4,693	100.0	2,333	100.0
Physician in hospital	49,422	97.2	42,898	97.9	4,252	90.6	2,272	97.4
Physician not in hospital	1,007	2.0	805	1.8	154	3.3	48	2.1
Midwife and other	430	0.8	130	0.3	287	6.1	13	0.5

Distribution of the births by weight groups is shown in Table 5. The peak concentration of births was between 6 lbs. 10 oz. and 7 lbs. 11 oz., with 38.2 per cent of the births with weight specified at these weights. An additional 27.8 per cent of the births were between 7 lbs. 12 oz. and 8 lbs. 13 oz. These were the same groups of heaviest concentration for the white and Indian babies. For the Negro infants, only 19.1 per cent were between 7 lbs. 12 oz. and 8 lbs. 13 oz., while 25.2 per cent were between 5 lbs. 9 oz. and 6 lbs. 9 oz.; 38.3 per cent were between 6 lbs. 10 oz. and 7 lbs. 11 oz. For the three lowest weight groups, the proportion of Negro babies, 2.0 per cent, was high as compared to 0.8 and 0.5 for the white and Indian, respectively. At the other end of the scale, the 0.9 per cent of Negro infants weighing 9 lbs. 15 oz. or more was low, compared to 1.5 for the white and 2.4 for the Indian.

Table 5

Distribution of Live Births by Birth Weight, by Race
Oklahoma, 1961

Birth Weight	All Races		White	Negro	Indian
	Number	Per Cent*			
Total	50,859	100.0	43,833	4,693	2,333
1 lb., 1 oz. or less	38	0.1	27	9	2
1 lb. 2 oz. - 2 lb. 3 oz.	165	0.3	127	34	4
2 lb. 4 oz. - 3 lb. 4 oz.	270	0.5	214	50	6
3 lb. 5 oz. - 4 lb. 6 oz.	648	1.3	494	131	23
4 lb. 7 oz. - 5 lb. 8 oz.	2,390	4.7	1,947	358	85
5 lb. 9 oz. - 6 lb. 9 oz.	8,959	17.7	7,487	1,158	314
6 lb. 10 oz. - 7 lb. 11 oz.	19,253	38.2	16,640	1,764	849
7 lb. 12 oz. - 8 lb. 13 oz.	14,017	27.8	12,417	877	723
8 lb. 14 oz. - 9 lb. 14 oz.	3,941	7.8	3,507	180	254
9 lb. 15 oz. - 11 lb. 0 oz.	691	1.4	601	38	52
11 lb. 1 oz. or more	80	0.2	73	3	4
Not stated	407	-	299	91	17

*Percentages based on total number with birth weight specified.

Immature Births

Ninety-three per cent of the babies born in 1961 weighed more than five and a half pounds. The 7.0 per cent weighing less were considered immature according to the birth weight criterion. This was the fifth consecutive year that the percentage of births classified as immature was 7.0. Immaturity is an important factor for consideration in further reducing neonatal mortality since it was reported as the underlying cause of death in 29 per cent of the neonatal deaths in 1961 and was specified as a contributing factor in at least another 30 per cent of the deaths in that age group.

The very young mothers had the highest percentage of immature births, with 15.4 per cent of the births to mothers under 15 weighing five and a half pounds or less and 8 per cent of those to mothers 15-19 classified as immature by birth weight. The lowest proportions occurred in the next two age groups (and in the 45 and over), increasing at 30-34, and for the next two older groups. The figures are given in Table 6 and shown separately for the three racial groups. The proportion of immature births was highest for the Negro mothers in all age groups, except the under 15; for this age group, however, the numbers were small and the percentages were not consistent with those for the previous year. Three-year average proportions for this age group show 16.6 per cent immature births to the white mothers, 16.8 to the Negro and 9.5 to the Indian. As already indicated by the figures in Table 5, however, the Negro babies in general were smaller than the white or Indian.

Table 6
Number of Live Births and Number and Percentage Immature
by Race, by Age of Mother, Oklahoma, 1961

Race	Total	Age of Mother							
		-15	15-19	20-24	25-29	30-34	35-39	40-44	45+
Total:	50,420	91	10,194	18,801	11,360	5,876	3,144	890	64
Immature**	3,509	14	814	1,218	722	425	234	78	4
Per cent immature	7.0	15.4	8.0	6.5	6.4	7.2	7.4	8.8	6.3
White:	43,511	52	8,738	16,602	9,834	4,964	2,556	718	47
Immature**	2,808	9	629	980	600	347	179	62	2
Per cent immature	6.5	17.3	7.2	5.9	6.1	7.0	7.0	8.6	4.3
Negro:	4,596	33	1,049	1,469	981	562	385	104	13
Immature**	582	4	157	202	102	59	44	12	2
Per cent immature	12.7	12.1	15.0	13.8	10.4	10.5	11.4	11.5	15.4
Indian:	2,313	6	407	730	545	350	203	68	4
Immature**	119	1	28	36	20	19	11	4	-
Per cent immature	5.1	16.7	6.9	4.9	3.7	5.4	5.4	5.9	-

* Number with age and weight specified; 439 excluded from total because weight and/or age unspecified.

**Number with age specified; 2 excluded because age unspecified (1 white, 1 Indian).

STILLBIRTHS

Stillbirth certificates are filed for births which show no sign of life and which have developed to the twentieth week or more of gestation at the time of birth. During 1961, a total of 643 stillbirths to residents of Oklahoma were recorded, a ratio of 12.6 per 1,000 live births. Although the 12.6 ratio was a new low record, the average ratio for the previous five-year period was only 13.4; for the five-year period 1951-1955, the average was 15.2. The ratio to live births was highest for Negro stillbirths, 22.4; compared to 18.9 for the Indian and 11.3 for the white.

The underlying causes of stillbirths were selected on the basis of the sequence of events that led to the stillbirth as reported on the medical certification section of the certificates. In some instances, however, no logical sequence could be established; in these cases, if more than one cause was reported, precedence was given to those causes determined to be in the fetus, placenta, or cord over causes and conditions in the mother. The underlying causes of the stillbirths in 1961 are shown in Table 7 on the next page. About

Table 7
Resident Stillbirths, by Cause of Stillbirth
Oklahoma, 1961

Cause of Stillbirth	Number	Per Cent
Total	643	100.0
Causes Determined in the Mother, or Related to Pregnancy:		
Diabetes mellitus (Y30.2)	12	1.9
Chronic disease of genito-urinary system (Y30.4)	2	0.3
Other chronic disease (Y30.0, .1, .3, .5)	10	1.6
Acute disease in mother (Y31)	1	0.1
Toxemias of pregnancy (Y32.3, .4)	20	3.1
Infection (ante- and intra-partum) (Y32.5)	-	-
Difficulties in labor (Y34)	19	2.9
Self-induced abortion (Y32.0)	-	-
Accident or violence (Y35.0, .1)	2	0.3
Other and ill-defined causes in mother (Y32.1, .2, Y33, Y35.2, .3)	7	1.1
Causes Determined in the Fetus,		
Placenta or Cord:		
Placenta and cord conditions (Y36)	246	38.3
Birth injury (Y37)	5	0.8
Congenital malformations of fetus (Y38)	59	9.2
Erythroblastosis (Y39.2)	23	3.6
Other causes determined in the fetus (Y39.0, .1, .3)	2	0.3
Ill-defined causes (Y39.4, .5)	112	17.4
Cause unspecified (Y39.6)	123	19.1

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

19.1 per cent of the stillbirth certificates did not specify a cause. Another 17.4 per cent reported only conditions that were assigned to the category for ill-defined causes.

Only 14.0 per cent of the stillbirths with cause specified were assigned to causes or conditions in the mother, 64.4 per cent were attributed to conditions in the fetus, placenta, or cord; the other 21.6 per cent of those with some cause specified were the 112 assigned to the ill-defined cause category. Placenta and/or cord conditions were responsible for 47.3 per cent of those with causes reported. The next most frequently reported cause was congenital malformations, with 11.3 per cent allocated to this category. Erythroblastosis was responsible for another 4.4 per cent.

Table 8
Stillbirth Attendance by Race, Number and Per Cent,
Oklahoma, 1961

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent						
Total	643	100.0	494	100.0	105	100.0	44	100.0
Physician in hospital	603	93.8	469	94.9	92	87.6	42	95.5
Physician not in hosp.	36	5.6	23	4.7	11	10.5	2	4.5
Midwife	2	0.3	-	0.4	-	-	-	-
Other and unknown	2	0.3	-	-	2	1.9	-	-

The gestation period was reported on only 468, or 72.8 per cent, of the total stillbirth certificates. Of those that did report the period of gestation, 39.5 per cent (185) were full term, that is 40 weeks or over; 15.2 per cent were between 36 and 39 weeks of gestation, 13.7 between 32 and 35 weeks, 14.9 between 28 and 32 weeks, and 16.7 per cent were reported as less than 28 weeks.

The proportion of stillbirths delivered in hospitals dropped from 95.8 in 1960 to 93.8 in 1961. The 1960 figure, however, was higher than those observed in the three preceding years: 91.8, 93.5, and 92.3, respectively. Attendance at birth for the racial groups is shown in Table 8, above. The ratio of male stillbirths to females was 110 to 100.

Of the 488 certificates that reported whether or not death occurred before or during labor, 71.1 per cent stated that death occurred before labor. Almost one-fourth of the certificates did not report this information (Table 9).

Table 9
Resident Stillbirths, According To Whether Death Occurred
Before or During Labor, by Race, Number and Per Cent,
Oklahoma, 1961

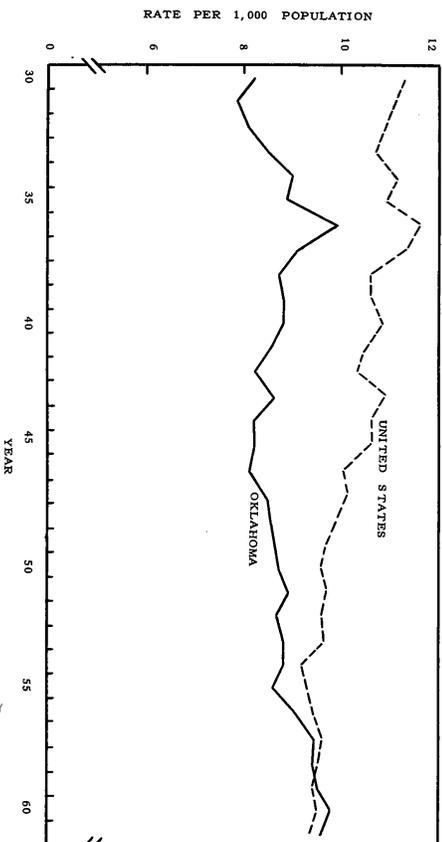
Time of Death	Total		White		Negro		Indian	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total stillbirths	643	100.0	494	100.0	105	100.0	44	100.0
Before labor	347	54.0	266	53.8	55	52.4	26	59.1
During labor	141	21.9	111	22.5	23	21.9	7	15.9
Not stated	155	24.1	117	23.7	27	25.7	11	25.0

TOTAL DEATHS

The crude death rate for 1961 was 9.6 per 1,000 population based on 22,973 deaths of residents of the State. Rates of 9.5, 11.6, and 8.7 were computed for the white, Negro, and Indian population groups, respectively. Tables I and II in the Appendix show crude death rates, as well as rates for specific causes for each racial group.

The 9.6 rate for the general population represents an increase over the 1946 rate of 8.1, the low point in the trend line for the last two decades as shown in Chart 1, below. The Oklahoma crude death rate appears to be on the increase, in contrast to the declining rate for the United States as a whole, and exceeded the United States rate during the last three years.

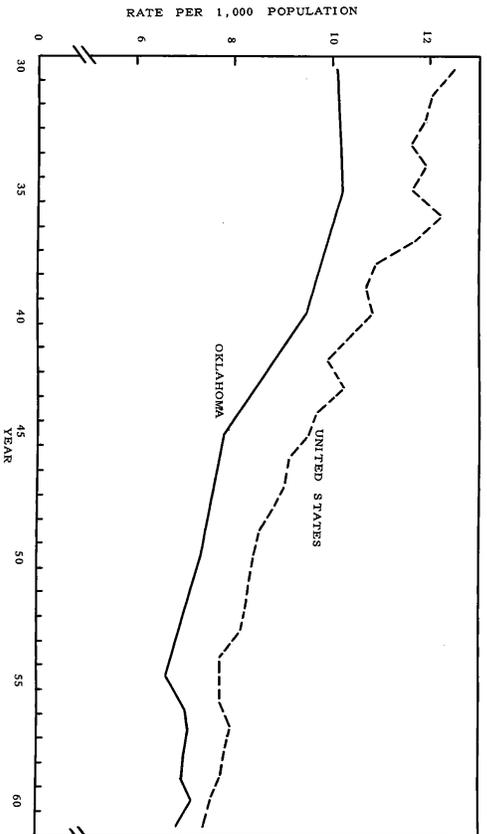
Chart 1
Crude Death Rates
Oklahoma and United States*
1930-1961



Crude death rates, however, are affected by changes in the characteristics of the population, especially the age distribution, as well as changes in health conditions. Concurrent with the reduction of mortality in the younger age groups (Chart 3, Page 11), there has been an increase in the proportion of the population in older age groups. Migration, also, can change the age distribution of the population in an area. From 1930 to 1960, the proportion of the population age 65 and over in Oklahoma increased from 4.0 per cent to 10.5 per cent; for the

Nation, the net increase was less, from 5.4 per cent to 9.2 per cent. Age adjusted death rates, which show rates that would have been experienced by a population with a standard age distribution based on the observed mortality for each age group, indicate rapid declines in mortality for both Oklahoma and the United States in the years 1930 to the 1950's, with a leveling off in recent years. The theoretical trend lines closely resemble each other, and they appear to be approaching each other. The slight increase in mortality since the low point in 1955 is still evident in the Oklahoma line.¹

Chart 2
Age-Adjusted Death Rates
Oklahoma and United States²
1930-1961



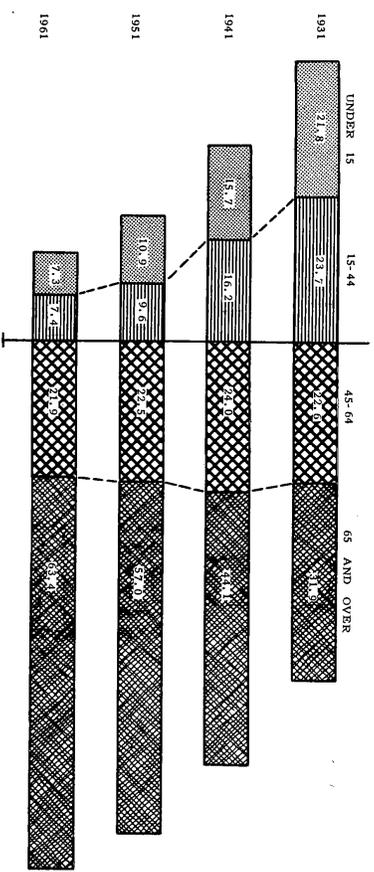
The reduction of deaths from communicable diseases and other diseases of youth has changed the percentage distribution of deaths by age as shown in Chart 3. Deaths under age 45 represented only 14.7 per cent of all deaths in 1961; in 1931 almost half (45.5 per cent) of deaths occurred in this age group. The proportion of deaths to persons over 45 in 1961 was 85.3 per cent.

DEATHS BY AGE

¹Age-adjusted rates were computed by the direct method, using a standard million population as enumerated in the 1940 census.

²References for data used in charts: Vital Statistics of the United States, 1959, Volume 1; Monthly Vital Statistics Report, Volume 10, No. 13, Annual Summary for 1961, Part 2; Vital Statistics Special Reports, Volume 43, No. 1, Death Statistics, 1960; and Special Reports, Volume 43, No. 1, Death Statistics, 1961; Health, Education, and Welfare, Public Health Service, National Office of Vital Statistics.

Chart 3
Percentage Distribution of Deaths, by Age
Oklahoma, 1931, 1941, 1951, 1961



Average age-specific death rates for the three years around the 1950 and 1960 censuses are given in Table D in the Appendix. Rates are shown for selected cause groups also and will be discussed in the appropriate sections of the text. The basic data used in computing the rates, numbers of deaths and population enumerations, have not been adjusted for errors in statement of age. Deaths for which the age was unknown were included in totals but were not distributed to specific age groups; the number of unknowns, however, was less than 0.2 per cent of the total deaths in both time periods.

Although the average death rate for the general population increased during the decade, specific rates for every age group shown in Table D decreased. The highest rates of decrease were, as might be expected, in the younger age groups, with the 1-4 group showing a 29.7 per cent decrease, the 5-9 a 25.6 per cent decrease and the under one a 23.1 per cent decrease. Rates for age groups 45-54 and 55-64 showed the smallest percentage decreases, 0.2 and 2.8, respectively.

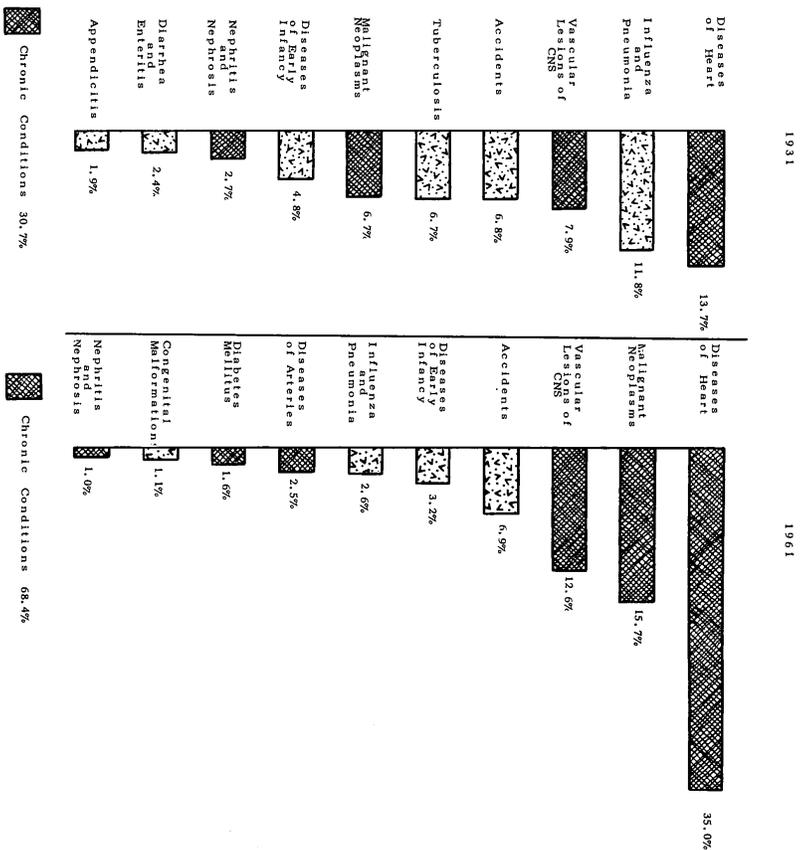
The number of deaths in older age groups increased considerably over the ten-year period; but since the population in those age groups was increasing also, rates represented decreases. The number of deaths decreased in all age groups through 44, but the numbers increased for each older age group.

During 1959-1961, the age group 10-14 experienced the lowest death rate, 51.9, but the rates increased rapidly with each successive group up to 19,036.4 deaths per 100,000 population in the 85 and over group.

LEADING CAUSES OF DEATH

The leading causes of death for 1961 are ranked for the general population and for certain age groups, by race, in Table IV in the Appendix. The method used for ranking was that recommended by the Mortality Working Group on Statistics of the Public Health Conference on Records and Statistics, with two exceptions. Due to the limitations of the 50-cause lists used for tabulations

Chart 4
Leading Causes of Death
Oklahoma, 1931 and 1961



TOTAL DEATHS 18,802

TOTAL DEATHS 22,973

in Oklahoma, the group "Nephritis and Nephrosis" was used rather than dividing into separate categories for "Acute Nephritis" and "Chronic and Unspecified Nephritis", and the category "Diseases of the Arteries" was used instead of "Arteriosclerosis" alone. The more detailed information is available for the general population, but not for age groups within the population, and is given in the narrative sections pertaining to those diseases.

During the last decade, the leading causes of death have been the same each year as those selected in 1961, with few exceptions. Tuberculosis was among the ten leading causes in 1952 and 1953 but was replaced by congenital malformations in subsequent years. In one year, 1960, the number of suicides exceeded deaths from nephritis and nephrosis for tenth place for that year. The first four causes, heart diseases, cancer, vascular lesions of central nervous system, and accidents, have remained in that rank order for the entire ten-year period. These four causes accounted for 70.2 per cent of all deaths in 1961. Death rates from these causes have been constantly increasing, with the exception of the accident death rate which has varied no more than 62.1 (1955) to 68.3 (1960) per 100,000 population during the ten-year period.

The next three leading causes, diseases of early infancy, influenza and pneumonia, and diseases of arteries, have generally been in the same rank order during the decade; only in two years, 1960 and 1957, have deaths from influenza and pneumonia exceeded deaths from diseases of early infancy. The other three leading causes vied for eighth, ninth, and tenth positions during the ten years. Thirty years ago, chronic conditions held less prominent positions among the ranked leading causes of death. Of the ten top causes in 1931 (Chart 4), only four of them were chronic conditions which generally cause death in older persons, and they accounted for only 30.7 per cent of the total deaths. By comparison, there were six chronic disease categories among the ten leading causes in 1961, accounting for 68.4 per cent of the total deaths.

Heart Diseases

Diseases of the heart was the leading cause of death thirty years ago in Oklahoma, and it still was in 1961. In 1931, however, only 13.7 per cent of the total deaths were attributed to some form of heart disease; by 1961, the proportion had increased to 35.0. (See Chart 4, page 12) The 1961 death rate, 335.2 per 100,000 population, based on 8,038 deaths, represented a 237.9 per cent increase over the rate of 99.2 (2,370 deaths) recorded in the earlier year. Much of this increase has been due to the increase in the proportionate number of older people in the population, but the percentage of deaths among older persons assigned to the heart disease categories has increased also. For persons 65 and over, the percentage of deaths attributed to these diseases increased from 21 per cent in 1931 to 41 per cent in 1961.

Average age-specific rates for the composite category for heart diseases are shown in Table D, in the Appendix. The rates were very low in the younger ages, increasing rapidly after age 45 to 7,488.9 in the 85 years and over group. Rates at the two extremes, under 1 and 85 and over, were higher than the comparable rates for the 1949-1951 period, but in general, rates were lower for other ages.

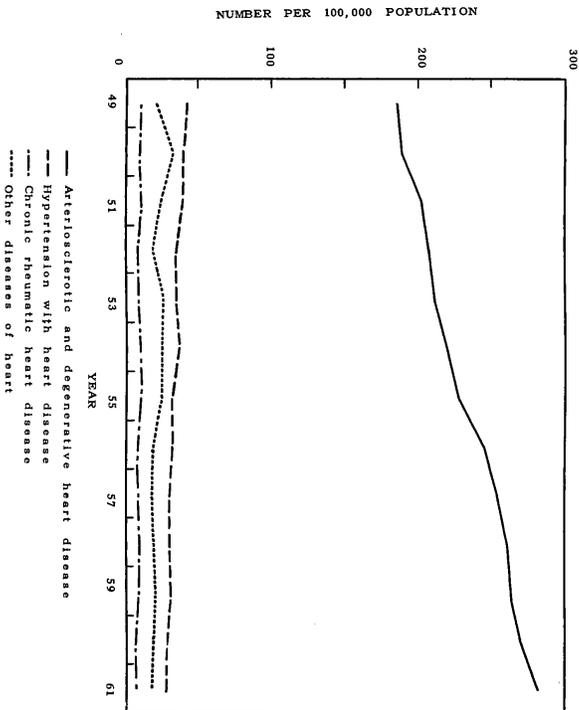
Male deaths from heart diseases exceeded female deaths in almost every age group. Average age-sex specific rates (1959-61) and the ratio of rates for males to females are shown below. At age 45, the ratio for males was considerably higher than that for females but with each successive age group, the ratio became smaller.

Age	Male	Female	Ratio Male to Female
All Ages	416.2	248.0	1.7
45-54	362.2	75.6	4.8
55-64	862.5	267.3	3.2
65-74	1,829.4	865.2	2.1
75-84	3,878.0	2,620.1	1.5
85 and Over	8,143.1	6,984.0	1.2

One cause group, arteriosclerotic and degenerative heart disease, has been entirely responsible for the increase in mortality from heart diseases in recent years, as the other component causes have either been declining or have been

Chart 5

Death Rates from Heart Disease for Major Categories
Oklahoma, 1949-1961



more or less stable, as shown in Chart 5. Included in the arteriosclerotic and degenerative category are: arteriosclerotic heart disease as such, diseases involving coronary arteries, chronic endocarditis (non-rheumatic) and other myocardial degenerations.

In addition to the deaths assigned to the heart disease category, there were 127 attributed to congenital malformations of the heart, most of them in infants under one year of age; 5 other deaths were due to active rheumatic fever with heart involvement.

Malignant Neoplasms

A total of 3,600 deaths, 15.7 per cent of all resident deaths, were attributed to malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues. The 1961 rate, 150.1 per 100,000 population was almost three times the 53.1 rate in 1931. About 59.3 per cent of the 1961 deaths from this cause were in the population 65 years of age and over.

Table 10

Resident Deaths from Malignant Neoplasms, by Primary Site, by Sex, Oklahoma, 1961

Site	Male	Female
Total, all sites	1,893	1,707
Malignant neoplasms of:		
buccal cavity and pharynx	51	19
Esophagus	32	7
Stomach	126	108
Intestines, except rectum	140	186
Rectum	43	47
Larynx	27	2
Trachea, bronchus, and lung not secondary	434	96
Breast	1	272
Cervix uteri	-	119
Other and unspecified parts of uterus	-	85
Prostate	272	-
Skin	38	29
Bone and connective tissue	37	31
Other and unspecified sites	471	553
Leukemia and aleukemia	106	80
Lymphosarcoma and other neoplasms of lymphatic and hematopoietic tissues	115	73

As for heart diseases, cancer death rates were low in younger age groups, generally increasing for each successive older age group to the highest rate at age 85 and over. The rate for the children under 5, however, was higher than for other age groups up to 25. Average age specific rates are shown in Table D in the Appendix.

The sex differential for cancer deaths was lower than for heart disease deaths in middle age groups, as shown by the age-sex specific rates for the three year period 1959-61:

Age	Male	Female	Ratio Male to Female
All Ages	163.7	136.8	1.2
45-54	144.9	169.9	0.9
55-64	395.7	289.9	1.4
65-74	786.1	487.1	1.6
75-84	1,276.9	868.7	1.5
85 and Over	1,760.1	1,241.7	1.4

Cancer of trachea, bronchus, and lung were the most frequent primary sites for the deaths among males which far outnumbered the deaths of females from cancer of these sites. Females were more frequently victims of malignant neoplasms of the breast and uterus than of other sites. Cancer of the prostate in males and intestines in females were the second most common primary sites. Distribution of the 1961 deaths among males and females as to primary site is shown in Table 10, page 15.

Vascular Lesions of the Central Nervous System

Vascular lesions of the central nervous system, third in numerical importance as a cause of death, accounted for 12.6 per cent of the 1961 deaths as compared to 7.9 per cent in 1931 (Chart 4). This 1961 rate of 121.2 deaths per 100,000 population was the lowest from these causes since 1956 when the rate was 120.9. This group of causes, like heart diseases and malignant neoplasms, takes its heaviest toll among older persons; 86.8 per cent of the 1961 deaths were in persons 65 and over. Average age-specific rates in 1959-61 were somewhat lower for the age groups between 35 and 74 than they were a decade before but higher for those 75 and over (Table D in the Appendix).

The number of deaths of males in 1961 exceeded the females in most age groups, but three-year average age-sex specific rates (1959-61) show that sex differences were not as great for this category as for heart diseases:

Age	Male	Female	Ratio Male to Female
All Ages	131.9	122.2	1.1
45-54	36.2	27.7	1.3
55-64	151.1	100.6	1.5
65-74	519.4	351.1	1.5
75-84	1,774.5	1,430.3	1.2
85 and Over	4,140.7	4,023.9	1.0

Accidents

The importance of accidents as a cause of death has changed less over the years than for the three causes which exceeded accidental deaths in number during 1961. In 1931, as in 1961, almost 7 per cent of all deaths were attributed to accidental causes. The rate of 66.0 per 100,000 population in 1961 was higher than the 1931 rate of 53.8 (adjusted by the comparability ratio referred to on page 3), but the 1931 rate was one of the lowest on record. The highest adjusted rate was 77.4 for 1936.

Accidents was the number one cause of death, however, for the population between the ages of 1 and 34. Average age-specific rates were higher in those age groups than for all other causes combined (Table D).

Motor-vehicle accidents accounted for 47.0 per cent of the fatalities in 1961, and the number of deaths resulting from motor-vehicle accidents, 743, was the highest on record. The 723 in 1957, however, were at a higher rate, 31.4 compared to 31.0 in 1961, since the population estimate for that year was less.

More detailed statistics relating to accidental deaths resulting from accidents that occurred in Oklahoma during 1961 will be published in Public Health Statistics, Part III, Accidental Deaths.

Certain Diseases of Early Infancy

This category replaced Influenza and Pneumonia, combined, as the fifth leading cause of death in 1961. The category includes birth injuries, postnatal asphyxia and atelectasis, infections of the newborn, disorders arising from maternal toxemia, immaturity, and certain other conditions peculiar to the newborn infant, but does not include congenital malformations. A total of 726 deaths, 3.2 per cent of all deaths, were assigned to this category. All deaths in this group were at less than one year of age; for this reason, these causes are discussed more fully under the section on Infant Deaths.

Influenza and Pneumonia

In 1931, these two causes combined were in second place as a numerically important cause of death, accounting for 11.8 per cent of all deaths. By 1961, Influenza and pneumonia had dropped to sixth position and only 2.6 per cent of the deaths. The rate of 24.9 per 100,000 population in 1961 was the lowest on record; the previous low was 26.2 in 1955.

Diseases of the Arteries

Deaths from diseases of the arteries, more common among elderly people, have been on the increase. The rate of 24.0, based on 575 deaths in 1961, was over three times the 1931 rate of 7.1 (adjusted for comparability). The 1931 rate was low, the 1929-31 average rate, however, was only 8.4.

Average age-specific death rates (Table D in the Appendix) are low up to age 65, jumping from 67.1 for ages 65-74 to 1,154.8 for ages 85 and over.

Out of the 575 deaths assigned to this category, 76.2 per cent (438) were specified as due to general arteriosclerosis; 15.5 per cent (89) to aortic aneurysm, nonsyphilitic, and dissecting aneurysm; 1.7 per cent (10) to gangrene of unspecified cause; and 6.6 per cent (38) were specified as due to some other arterial disease.

Diabetes Mellitus

Diabetes mellitus, another chronic disease more frequently causing death in older persons, was listed as the underlying cause of death on 379 death certificates in 1961, a rate of 15.8 per 100,000 population. In 1931, this disease was not even among the top ten causes of death and the comparability-adjusted rate, 6.8, was less than half the 1961 rate.

Few deaths occurred in the younger age groups from this disease, but age-specific rates (Table D) increased with each successive older group. In contrast to heart disease, malignant neoplasm, and vascular lesions of the central nervous system, diabetes caused death more often among women than among men. During 1950-1961, the ratio of rates for males to females was 1.4 at ages 45-54; but for each older age group, the ratio was reversed:

Age	Male	Female	Ratio Male to Female
All Ages	13.9	18.2	0.8
45-54	13.5	9.9	1.4
55-64	26.4	36.2	0.7
65-74	61.3	78.9	0.8
75-84	128.1	148.7	0.9
85 and Over	170.6	213.5	0.8

Congenital Malformations

Congenital malformations as a group accounted for 255, or 1.1 per cent, of the deaths in 1961. The rate of death was 10.6 per 100,000 population. Since 1946, the death rate from congenital malformations has varied no more than from a low of 10.2 in 1957 to a high of 12.2 in 1951. In the preceding 16-year period, the rates varied from 5.8 (1932) to 10.6 (1943 and 1944). Rates prior to 1949 have been adjusted for comparability. Almost 72 per cent of the deaths resulting from congenital malformations were in infants under one year of age, resulting conditions as a cause of death are discussed more fully in the section on Infant Deaths.

Nephritis and Nephrosis

Nephritis and nephrosis again was the tenth leading cause of death in 1961 though it had been replaced by suicides in 1960 in this rank order. The death rate of 9.4 per 100,000 population was the lowest on record; the rate has been steadily decreasing and has dropped from 22.0 in 1949, when the present revision of this category was first used. Deaths occur more frequently in older groups as shown by age-specific rates in Table D.

Approximately 57.1 per cent (129) of the 226 deaths in this category were specified as due to chronic nephritis, 8.8 per cent (20) were specified as acute, and 25.7 per cent (58) were not specified as to stage; 7.1 per cent (16) were due to nephritis with edema or nephrosis, and 1.3 per cent (3) were attributed to other renal scleroses.

Other Important Causes of Death

The suicide rate in 1961 dropped to 8.5 per 100,000 population, following a rate of 10.2 in 1960. The 10.2 rate, however, was the highest since 1937 and 1938 when rates of 11.3 and 11.2 were recorded. The all-time high was 11.6 in 1932.

Tuberculosis, in fifth rank position as a cause of death in 1931, accounted for 6.7 per cent of the deaths in that year. It had dropped down to fifteenth place by 1961, tying with intestinal obstruction, representing less than one per cent of the deaths. Among the Indian population, however, tuberculosis accounted for 20 deaths, placing it in sixth position as a cause of death for that segment of the population. It was not among the top ten numerically most important causes for either the white or Negro populations.

Hypertension without mention of heart disease was tenth among the top ten causes of death for the Negro population and homicide was in ninth position. Cirrhosis of the liver tied with diseases of early infancy for eighth position as a numerically important cause among Indians; there were as many deaths from intestinal obstructions and hernias (6) as there were from congenital malformations in tenth place among Indians.

Other causes that may have been important in some age groups and not in others are shown in Table IV in the Appendix.

COMMUNICABLE DISEASES

All the infectious diseases combined accounted for only 275 deaths during 1961. Of these, 68.7 per cent were attributed to tuberculosis (133 deaths), syphilis (29) and septicemia and pyemia (27). Although tuberculosis was the only infectious disease that appeared on the list of ten leading causes in 1931, with 1,315 deaths, a total of 1,318 (excluding influenza) other deaths were caused by other communicable diseases.

Table I in the Appendix shows the numbers and death rates for some of the more common infectious diseases. Included in the residual group for other infective and parasitic diseases were: herpes zoster, 5; mumps, 1; chickenpox, 1; other viruses, 12; food poisoning, 4; fungus infections, 13; bacterial infections, 3; and other, 3.

There were no deaths from diphtheria, typhoid fever, whooping cough, scarlet fever, or acute poliomyelitis (one death was due to late effects of poliomyelitis); by comparison there were 293, 258, 77, 55, and 19, respectively, from these same diseases in 1931.

MATERNAL DEATHS

The 1961 maternal mortality rate of 4.3 per 10,000 live births was higher than the record low of 3.6 recorded in 1958. The rate, however, has dropped 86 per cent in the last 20 years from 31.1 (adjusted for comparability) in 1942 to 4.3. The 1961 rates for each race, by cause, are shown in Table 11, below.

Table 11
Maternal Deaths by Cause, by Race, Number and Rate*, Oklahoma, 1961

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes	22	4.3	12	2.7	8	17.0	2	8.6
Sepsis of pregnancy (640, 641)	-	-	-	-	-	-	-	-
Toxemias of pregnancy (642)	3	0.6	2	0.5	1	2.1	-	-
Hemorrhage of pregnancy (643, 644)	-	-	-	-	-	-	-	-
Ectopic pregnancy without mention of sepsis (645.0)	2	0.4	1	0.2	1	2.1	-	-
Ectopic pregnancy with mention of sepsis (645.1)	-	-	-	-	-	-	-	-
Other complications of pregnancy (646-649)	2	0.4	2	0.5	-	-	-	-
Abortion without mention of sepsis or toxemia (650)	-	-	-	-	-	-	-	-
Abortion with mention of sepsis (651)	1	0.2	1	0.2	-	-	-	-
Abortion with toxemia, without mention of sepsis (652)	-	-	-	-	-	-	-	-
Delivery without specified complications (660)	2	0.4	1	0.2	-	-	-	-
Hemorrhage of childbirth (670-672)	5	1.0	1	0.2	4	8.5	1	4.3
Sepsis of childbirth and the puerperium (681, 682, 684)	2	0.4	1	0.2	-	-	1	4.3
Toxemias of the puerperium (685, 686)	1	0.2	1	0.2	-	-	-	-
Other complications of childbirth and the puerperium (673-680, 683, 687-689)	4	0.8	2	0.5	2	4.3	-	-

*Number per 10,000 live births.

Table 12 shows the age distribution of the maternal deaths for major cause groups. The numbers for any one year are very small. Five-year totals (1957-1961), however, show that 24.5 per cent of 106 maternal deaths were due to toxemias, 17.0 per cent to hemorrhages, 11.3 per cent to sepsis, and 6.6 per cent to abortions with or without sepsis. The other 40.6 per cent were attributed to other complications of pregnancy, childbirth, or the puerperium.

Table 12

Maternal Deaths, by Cause, by Age, Oklahoma, 1961

Cause of Death	Total	Age						
		-15	15-19	20-24	25-29	30-34	35-44	45+
All maternal causes	22	-	1	4	7	6	4	-
Sepsis of pregnancy, childbirth and the puerperium	2	-	-	2	-	-	-	-
Toxemias of pregnancy and the puerperium	4	-	-	-	3	-	1	-
Hemorrhage of pregnancy and childbirth	5	-	-	1	1	1	2	-
Abortion without mention of sepsis or toxemia	-	-	-	-	-	-	-	-
Abortion with sepsis	1	-	-	-	-	1	-	-
Other complications of pregnancy, childbirth, and the puerperium	10	-	1	1	3	4	1	-

Age-specific rates per 10,000 live births based on the five-year totals (1957-1961), show increasing rates with each advanced age group:

Age Group	Number	Rate	Age Group	Number	Rate
All Ages	106	4.2	25-29	23	3.9
Under 15	-	-	30-34	24	7.5
15-19	8	1.6	35-44	31	14.6
20-24	17	1.8	45 and Over	3	96.8

INFANT DEATHS

The 1961 infant death rate, 24.1 per 1,000 live births, was the same as that recorded in 1959 and lower than the 25.5 for 1960. The infant death rate is about half what it was two decades ago. A reduction has occurred for all racial groups; the decrease in infant mortality among Indians has been greater as shown by the following three-year average rates:

Year	Total	White	Negro	Indian
1939-1941	49.9	46.1	85.1	95.8
1949-1951	30.4	27.5	54.7	49.9
1959-1961	24.6	22.1	45.5	29.4

Table 13 shows infant mortality for each racial group according to underlying cause of death.

Table 13
Deaths Under One Year, by Cause, by Race,
Number and Rate*, Oklahoma, 1961

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Infant deaths, all causes	1,226	24.1	970	22.1	206	43.9	50	21.4
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-
Other infective and parasitic diseases (001-019, 030-055, 057-138)	21	0.4	13	0.3	4	0.9	4	1.7
Pneumonia (490-493, 763)	93	1.8	61	1.4	25	5.3	7	3.0
Other diseases of the respiratory system (470-475, 480-483, 500-527)	26	0.5	23	0.5	3	0.6	-	-
Gastro-enteritis and colitis (571, 572, 764)	47	0.9	31	0.7	12	2.6	4	1.7
Other diseases of the digestive system (530-570, 573-587)	14	0.3	12	0.3	1	0.2	1	0.4
Congenital malformations (750-759)	83	3.6	162	3.7	16	3.4	5	2.1
Injury at birth (760-761)	99	1.9	86	2.0	13	2.8	-	-
Postnatal asphyxia and atelectasis (762)	67	3.3	130	3.0	33	7.0	4	1.7
Hemolytic diseases of the newborn (erythroblastosis) (770)	25	0.5	24	0.5	1	0.2	-	-
Immaturity (774, 776)	263	5.2	200	4.6	11	11.7	8	3.4
Other certain diseases of early infancy (765-769, 771-773)	33	2.6	109	2.5	20	4.3	4	1.7
Accidents (E800-E962)	57	1.1	44	1.0	8	1.7	5	2.1
Other defined causes	50	1.0	43	1.0	5	1.1	2	0.9
Symptoms and ill-defined conditions (780-793, 795)	48	0.9	32	0.7	10	2.1	6	2.6

* Number per 1,000 live births.

Deaths of Infants
Under One Month of Age

Approximately 72 per cent of the infant deaths in 1961 occurred during the first twenty-seven days of life. Tables 14 and 15 give breakdowns of these by cause, race, and age group. Over half, 53.7 per cent, of the neonatal deaths occurred during the first twenty-four hours of life, with immaturity and postnatal asphyxia and atelectasis reported as the underlying cause on 57 per cent of the certificates for these infants. Only 15.9 per cent of the neonatal deaths occurred during the second day of life and 9.1 in the third--the proportion continuing to decrease with each day of survival.

Table 14
Deaths Under One Month by Cause, by Race,
Number and Rate*, Oklahoma, 1961

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Neonatal deaths, all causes	882	17.3	718	16.4	141	30.0	23	9.9
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-
Other infective and parasitic diseases (001-019, 030-055, 057-138)	5	0.1	4	0.1	1	0.2	-	-
Pneumonia (490-493, 763)	28	0.6	23	0.5	5	1.1	-	-
Other diseases of the respiratory system (470-475, 480-483, 500-527)	6	0.1	5	0.1	1	0.2	-	-
Gastro-enteritis and colitis (571, 572, 764)	10	0.2	5	0.1	5	1.1	-	-
Other diseases of the digestive system (530-570, 573-587)	7	0.1	6	0.1	1	0.2	-	-
Congenital malformations (750-759)	121	2.4	106	2.4	12	2.6	3	1.3
Injury at birth (760-761)	99	1.9	86	2.0	13	2.8	-	-
Postnatal asphyxia and atelectasis (762)	162	3.2	129	2.9	29	6.2	4	1.7
Hemolytic disease of newborn (erythroblastosis) (770)	25	0.5	24	0.5	1	0.2	-	-
Immaturity (774, 776)	260	5.1	199	4.5	54	11.5	7	3.0
Other certain diseases of early infancy (765-769, 771-773)	128	2.5	106	2.4	19	4.0	3	1.3
Accidents (E800-E962)	9	0.2	6	0.1	-	-	3	1.3
Other defined causes	15	0.3	15	0.3	-	-	-	-
Symptoms and ill-defined conditions (780-793, 795)	7	0.1	4	0.1	-	-	3	1.3

* Number per 1,000 live births.

were 266 others for which immaturity was reported as a contributory factor. Postnatal asphyxia and atelectasis accounted for 18.4 per cent of the deaths, injuries at birth for 11.2, and hemolytic disease of the newborn for 2.8. The 128 deaths included in the residual group for the major category "Certain Diseases of Early Infancy" were distributed as follows: neonatal disorders arising from certain diseases of the mother, 14; hemorrhagic diseases of newborn, 7; nutritional maladjustment, 1; sepsis of newborn (excluding pneumonia and diarrhea), 5; and ill-defined causes, 101. Pneumonia of the newborn, 27, and diarrhea of the newborn, 10, were included in other groups in the text tables.

Table 15
Deaths Under One Month, by Cause, by Age,
Oklahoma, 1961

Cause of Death	Age in Days										
	Under 1	1	2	3	4	5	6	7-13	14-20	21-27	15
Neonatal deaths, all causes.	474	140	80	37	24	21	14	57	20	15	
Syphilis and its sequelae.	-	-	-	-	-	-	-	-	-	-	-
Whooping cough.	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic diseases.	-	-	-	-	-	-	-	-	-	-	-
Pneumonia.	5	7	6	3	1	1	1	2	1	1	
Other diseases of the respiratory system.	2	1	-	-	-	-	-	-	-	-	
Gastro-enteritis and colitis	-	-	-	-	-	-	-	-	-	-	
Other diseases of the digestive system.	-	-	-	-	-	-	-	-	-	-	
Congenital Malformations.	55	23	9	7	6	3	1	10	4	3	
Injury at birth.	62	18	11	2	3	2	-	-	1	-	
Postnatal asphyxia and atelectasis.	102	30	19	4	-	2	1	4	-	-	
Hemolytic disease of newborn (erythroblastosis).	13	2	3	3	2	-	1	1	-	-	
Immaturity.	168	36	13	9	7	6	6	13	2	-	
Other certain diseases of early infancy.	63	21	16	5	3	3	2	13	1	1	
Accidents.	-	-	-	-	-	-	-	-	2	3	
Other defined causes.	2	1	-	1	-	3	-	3	3	2	
Symptoms and ill-defined conditions.	2	-	2	-	-	-	1	2	-	-	

Following immaturity and postnatal asphyxia and atelectasis, congenital malformations was the third numerically most important cause of the neonatal deaths. While congenital malformations can cause death at any age, the 121 deaths in the neonatal period represented about 47 per cent of the 255 deaths assigned to this category. Malformations of the heart were reported on 46 of the medical certifications and 14 others reported other malformations of the circulatory system. Other malformations reported as causes of neonatal deaths were: malformations of the digestive system, 12; monstrosity, 8; spina bifida and meningocele, 6; malformations of the muscles, 6; hydrocephalus, 5; malformations of the nervous system and sense organs, 4; malformations of respiratory system, 4; and all other, 16.

The overall neonatal death rate per 1,000 live births has decreased 18.4 per cent during the last decade. The decrease has varied considerably according to cause as shown by these average rates for two time periods:

Cause	1949-1951	1959-1961	Percentage Decrease
All causes	21.7	17.7	18.4
Immaturity	7.2	4.8	33.3
Asphyxia and atelectasis	3.8	3.5	7.9
Injury at birth	3.1	2.1	32.3
Congenital malformations	2.7	2.3	14.8

Deaths of Infants One Through Eleven Months of Age

For infants who survive the first twenty-seven days of life, the probability of dying decreases and the most likely causes of death change. Of the 344 deaths

Table 16
Deaths at One Through Eleven Months of Age,
by Cause, by Age, Oklahoma, 1961

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Infant deaths, all causes.	344	68	74	54	33	27	22	16	23	27
Syphilis and its sequelae.	-	-	-	-	-	-	-	-	-	-
Whooping cough.	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic diseases.	16	2	2	3	-	2	1	1	3	2
Pneumonia.	65	13	11	6	11	4	6	2	10	2
Other diseases of the respiratory system.	20	2	8	2	2	2	-	2	-	2
Gastro-enteritis and colitis	37	5	8	6	4	2	3	3	3	3
Other diseases of the digestive system.	7	1	1	2	1	-	-	1	-	1
Congenital malformations.	62	18	15	11	6	2	2	2	1	5
Injury at birth.	-	-	-	-	-	-	-	-	-	-
Postnatal asphyxia and atelectasis.	5	2	2	1	-	-	-	-	-	-
Hemolytic disease of newborn (erythroblastosis).	-	-	-	-	-	-	-	-	-	-
Immaturity.	3	-	2	-	-	-	1	-	-	-
Other certain diseases of early infancy.	5	1	2	1	1	1	-	-	-	-
Accidents.	48	6	10	8	3	4	7	3	2	5
Other defined causes.	35	10	2	7	2	5	1	1	3	4
Symptoms and ill-defined conditions.	41	8	13	6	3	5	1	1	1	3

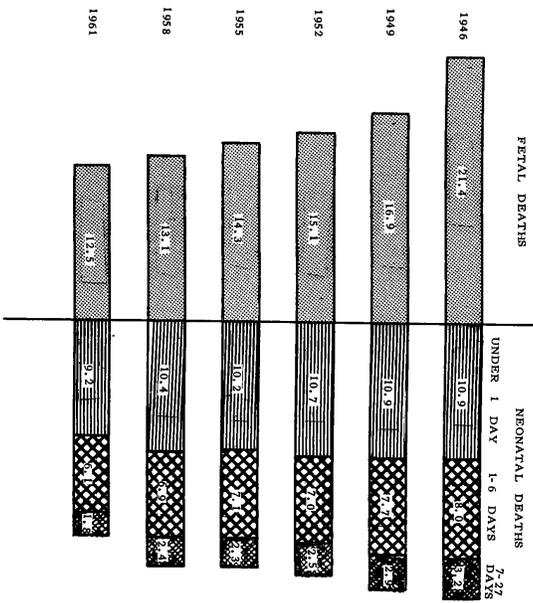
between the ages of 28 days through 11 months in 1961, 19 per cent were attributed to pneumonia, 18 per cent to congenital malformations, 14 per cent to accidents, and 11 per cent to gastro-enteritis and colitis. These were the four numerically most important causes of death for that age group. Deaths for the age group, by cause, and month of age are shown in Table 16, page 25.

Reduction in the death rate for this age group in the last decade, based on three-year average rates of 8.7 for 1949-1951 and 6.9 for 1959-1961, was 20.7 per cent as compared to the 18.4 per cent reduction of the neonatal death rate.

PERINATAL MORTALITY

In 1961, there were 643 deaths of fetuses of 20 weeks gestation or more and 882 deaths of infants occurring in the first 28 days of life. These perinatal deaths occurred at the rate of 29.6 per 1,000 total births (five births plus fetal deaths). Reduction in mortality rates since 1946 is shown graphically in Chart 6, below.

Chart 6
Reduction in Perinatal Mortality Rates
Oklahoma, 1946-1961



Since 1946, the total perinatal mortality rate has decreased 32.1 per cent. Mortality of infants under 1 day of life during the fifteen-year period decreased less than for other age groups:

Total perinatal period	Decrease in Mortality Rate
Fetal deaths	32.1 %
Deaths under one day	41.6 %
Deaths 1-6 days	15.6 %
Deaths 7-27 days	23.8 %
	43.8 %

The greatest proportion of perinatal deaths occurred immediately around the time of birth or full term pregnancy. As already pointed out in the respective sections on stillbirths and neonatal deaths, 54.7 per cent of the fetal deaths occurred at 36 weeks and over of gestation and 53.7 per cent of the neonatal deaths occurred within the first twenty-four hours after birth. Combined, these represent 54.1 per cent of the total perinatal deaths, excluding the fetal deaths for which the period of gestation was not reported.

The perinatal mortality rate during 1961 for Negro deliveries, 51.3, exceeded that for both the white and Indian, 27.3 and 28.2, respectively.

Symbols Used in Appendix 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, 1940-1961
 Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

Cause of Death	1940		1941		1942		1943		1944	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Estimated population, July 1	2,323,569		2,313,241		2,302,933		2,292,625		2,282,317	
Live births*	44,358	19.0	42,313	18.3	40,277	17.3	38,241	16.7	36,205	15.8
Physician not in hospital	17,726	20,939	20,939	20,939	20,939	20,939	20,939	20,939	20,939	20,939
Midwife, other, or unknown	25,216	1,637	1,637	1,637	1,637	1,637	1,637	1,637	1,637	1,637
Mortality	1,298	29.3	1,252	27.6	1,206	26.7	1,160	25.8	1,114	24.7
Physician in hospital	583	535	535	535	535	535	535	535	535	535
Midwife, other, or unknown	96	51	51	51	51	51	51	51	51	51
Deaths under 1 year*	20,418	8.8	20,097	8.6	19,785	8.5	19,473	8.4	19,161	8.3
Total deaths, all causes*	1,319	50.4	1,273	48.1	1,227	46.2	1,181	44.3	1,135	42.5
Deaths under 1 month**	30	2.4	35	1.5	38	1.6	41	1.8	44	1.9
Typhoid, paratyphoid fevers (1, 2),	12	0.5	5	0.2	10	0.4	15	0.6	20	0.9
Scarlet fever (8),	7	0.3	5	0.2	3	0.1	5	0.2	4	0.2
Diphtheria (10),	57	2.4	62	2.7	68	2.9	74	3.2	80	3.5
Whooping cough (9),	72	3.1	67	2.9	62	2.7	57	2.5	52	2.3
Respiratory system (13),	1,125	48.2	1,063	45.7	1,001	43.5	939	41.4	877	38.9
Paratyphoid fever (1), 2),	1,001	44.2	972	41.8	943	41.3	914	40.5	885	39.2
Dysentery (27),	5	0.2	3	0.1	4	0.2	5	0.2	6	0.3
Shigellosis, all forms (13-22),	73	3.1	58	2.5	44	1.9	30	1.3	17	0.7
Bacterial dysentery (28),	22	0.9	25	1.1	21	0.9	18	0.8	15	0.7
Shigellosis, all forms (13-22),	22	0.9	25	1.1	21	0.9	18	0.8	15	0.7
Influenza (33),	589	25.2	541	23.3	527	22.9	514	22.5	501	22.1
Smallpox (34),	3	0.1	20	0.9	89	3.8	4	0.2	34	1.5
Measles (35),	3	0.1	20	0.9	89	3.8	4	0.2	34	1.5
Acute poliomyelitis and acute paralytic poliomyelitis (36),	30	0.9	15	0.6	15	0.6	33	1.4	6	0.3
Acute hemorrhagic conjunctivitis (37),	12	0.5	11	0.5	2	0.1	2	0.1	2	0.1
Rocky Mountain spotted fever (39),	2	0.1	3	0.1	2	0.1	2	0.1	2	0.1
Other infectious and parasitic diseases (3, 4, 7, 11, 23-25, 26b, 29, 31-32, 38, 39a, 39b, 39d, 40-44),	82	3.9	86	3.6	64	2.8	77	3.3	57	2.5
Cancer (45-52),	1,962	84.6	1,960	84.6	1,925	83.6	1,905	83.1	1,886	82.6
Other tumors (56-57),	97	4.2	120	5.2	117	5.1	108	4.7	105	4.6
Acute rheumatic fever (58),	39	1.7	26	1.1	22	1.0	25	1.1	23	1.0
Diabetes mellitus (61),	331	14.2	342	14.7	334	14.6	382	16.6	327	14.3
Pellagra (69),	32	2.2	38	2.5	59	2.6	48	2.1	49	2.1
Other diseases of nutrition, endocrine system, and toxicoses (60-68, 70-71),	70	3.0	61	2.6	74	3.2	77	3.3	80	3.5
Diseases of the blood and blood forming organs (72-76),	122	5.2	150	6.5	141	6.1	165	7.2	134	5.8
Chronic poisoning and intoxication (77-79),	1,892	81.1	1,814	78.1	1,922	83.1	2,041	88.6	1,856	81.0
Chronic poisoning, alcoholism, strychnine, arsenic, cyanide, emulsions, stimulants, narcotics (80-82),	375	16.1	290	12.5	276	11.9	238	10.4	264	11.5
Diseases of the heart (90-95),	3,860	165.4	4,235	182.3	4,137	178.8	4,322	189.8	4,255	185.6
Other diseases of the circulatory system (100-102),	511	22.3	277	11.9	306	13.2	357	15.5	319	13.9
Pneumonia, all forms (107-109),	56	2.4	37	1.6	38	1.6	63	2.7	62	2.7
Other diseases of the respiratory system (104-106, 110-114),	209	9.0	199	8.6	212	9.2	226	9.8	247	10.8
Diabetes (107),	112	4.8	66	2.8	52	2.2	75	3.2	101	4.4
Diarrhea and enteritis over 2 years (120),	302	12.9	257	11.1	182	7.9	164	7.1	156	6.8
Hemiplegia, incanal obstruction (122),	223	9.6	186	8.0	173	7.5	178	7.7	180	7.9
Hemiplegia of the liver (124),	119	5.1	96	4.1	103	4.5	115	5.0	85	3.7
Other diseases of the genitourinary system (111a, 123, 125-29),	446	19.1	410	17.6	425	18.4	408	17.7	444	19.4
Nephritis (130-132),	1,467	62.9	1,316	56.6	1,161	50.2	1,238	54.6	1,168	50.1
Other diseases of the genitourinary system (133-139),	265	11.4	239	10.3	245	10.6	229	9.9	246	10.7
Disease of pregnancy, childbirth, and the puerperium (140-142),	162	36.6	134	29.6	145	32.0	109	22.8	112	23.9
Septicemia (140, 142a, 147)**	36	12.7	26	5.7	25	5.0	15	3.1	35	7.5
Congenital malformations, diseases peculiar to first year of life (157-161),	1,277	54.7	1,360	58.5	1,093	47.2	1,290	56.3	1,155	50.4
Smellie (162),	488	20.9	450	19.4	556	24.0	612	26.6	495	21.6
Stillborn (163-166),	147	6.4	137	5.9	168	7.3	151	6.6	149	6.5
Motor-vehicle accidents (170),	476	20.3	511	22.0	343	14.8	331	14.6	331	14.6
Other accidents (169, 171-195),	869	37.2	942	40.5	1,110	48.0	1,117	48.5	1,040	45.4
Other defined causes (59, 151-156, 196-198) (111-defined and unknown (199, 200),	50	2.1	52	2.3	64	2.8	84	3.6	81	3.5
	26,7	1.1	32	1.4	49	2.1	57	2.5	35	1.5

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

TABLE A. DEATHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1940-1961
 Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death
 (Continued)

	1945	1946	1947	1948	1949
Estimated population, July 1	2,282,317	2,272,009	2,261,701	2,251,393	2,241,085
Live births*	43,105	42,000	42,300	42,300	42,300
Physician in hospital	19.0	22.0	23.0	22.4	22.3
Physician not in hospital	10,729	10,729	10,729	10,729	10,729
Malaria, other, or unknown	1,462	1,462	1,462	1,462	1,462
Stillsbirths*	1,970	1,970	1,970	1,970	1,970
Physician in hospital	139	139	139	139	139
Physician not in hospital	1,831	1,831	1,831	1,831	1,831
Malaria, other, or unknown	18,211	18,211	18,211	18,211	18,211
Deaths under 1 year*	29.8	32.8	32.6	32.6	32.6
Deaths under 1 month	1,121	1,121	1,121	1,121	1,121
Tuberculosis, all forms (13-22)	12	12	12	12	12
Undulant fever (51)	0.0	0.0	0.0	0.0	0.0
Meningococcal meningitis (6)	25	25	25	25	25
Scarlet fever (9)	7	7	7	7	7
Whooping cough (9)	47	47	47	47	47
Diphtheria (12)	5	5	5	5	5
Tuberculosis, all forms (13-22)	823	704	707	682	549
Respiratory system (13)	770	653	664	581	509
Measles (085)	1	1	1	1	1
Scarlet fever (9)	32	32	32	32	32
Whooping cough (9)	13	13	13	13	13
Diphtheria (12)	173	182	176	162	146
Smallpox (33)	225	190	202	182	176
Measles (085)	4	4	4	4	4
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	13	13	13	13	13
Respiratory system (13)	13	13	13	13	13
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
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Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
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Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
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Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1	1	1
Scarlet fever (9)	1	1	1	1	1
Whooping cough (9)	1	1	1	1	1
Diphtheria (12)	1	1	1	1	1
Tuberculosis, all forms (13-22)	1	1	1	1	1
Respiratory system (13)	1	1	1	1	1
Measles (085)	1	1	1</		

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1940-1961
 Figures in Parentheses Refer to Sixth and Seventh Revisions of International Lists of Causes of Death

Estimated population, July 1	1954		1955		1956		1957		1958	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live births*	51,457	22.6	50,556	22.2	51,694	22.6	51,349	22.3	50,552	21.9
Physician not in hospital	3,289	...	2,596	...	4,222	...	4,765	...	4,466	...
Physician in hospital	909	...	780	...	692	...	1,655	...	1,612	...
Middle, other, or unknown	787	15.3	732	14.5	720	13.9	665	13.0	671	13.3
Stillbirths*	696	...	660	...	659	...	614	...	627	...
Physician in hospital	20	...	17	...	18	...	3	...	3	...
Middle, other, or unknown	676	...	643	...	641	...	611	...	624	...
Total deaths, all causes*	20,121	8.8	19,705	8.6	20,954	9.1	21,568	9.4	21,812	9.4
Deaths under 1 year*	1,394	27.1	1,338	26.4	1,376	26.5	1,568	25.5	1,373	27.2
Deaths under 1 month*	1,011	19.6	1,006	19.9	971	18.7	994	18.2	1,008	19.9
Neonatal deaths (under 1 month)	222	0.5	175	0.3	181	0.3	152	0.3	155	0.3
Infant deaths (1-11 months)	789	1.5	831	1.6	796	1.5	842	1.6	853	1.7
Synphysis and its sequelae (020-029)	80	0.1	41	0.0	44	0.0	56	0.1	35	0.0
Typhoid fever (040)	3	0.0	2	0.0	-	-	1	0.0	1	0.0
Dysentery, all forms (045-048)	12	0.0	12	0.0	5	0.0	11	0.0	5	0.1
Scarlet fever and streptococcal sore throat	6	0.0	4	0.0	2	0.0	7	0.0	3	0.2
Diphtheria (055)	3	0.0	1	0.0	3	0.0	1	0.0	3	0.1
Whooping cough (056)	6	0.0	11	0.0	6	0.0	7	0.0	3	0.1
Meningococcal infections (057)	10	0.0	11	0.0	12	0.0	12	0.0	10	0.4
Acute poliomyelitis (080)	23	0.0	6	0.0	3	0.0	6	0.0	6	0.3
Acute poliomyelitis (080)	5	0.0	4	0.0	16	0.0	3	0.1	6	0.3
Smallpox (085)	1	0.0	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	1	0.0	-	-	2	0.0	1	0.0	2	0.1
Malaria (110-117)	-	-	-	-	-	-	-	-	2	0.1
All other diseases classified as infective and parasitic (118-139)	84	3.7	81	3.5	87	3.8	98	4.3	85	3.7
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-209)	3,003	13.8	3,122	13.6	3,232	14.0	3,207	13.6	3,222	13.9
Benign neoplasms (210-239)	63	2.8	71	3.1	83	3.4	97	3.6	46	2.0
Diseases mellitus (260)	316	13.9	315	13.8	283	12.3	316	13.7	277	12.0
Anemia (290-293)	52	2.3	55	2.4	44	2.0	44	1.9	58	2.5
Vascular lesions affecting central nervous system (330-339)	2,607	11.4	2,396	10.4	2,771	12.0	2,795	12.1	2,843	12.3
Nontraumatic cerebrovascular disease (400-422)	13	0.0	19	0.0	22	0.0	16	0.0	32	1.4
Rheumatic fever (400-402)	186	8.2	186	8.1	171	7.5	169	7.5	117	7.4
Chronic rheumatic heart disease (410-416)	186	8.2	186	8.1	171	7.5	169	7.5	117	7.4
Arteriosclerotic and degenerative heart disease (420-422)	4,921	21.6	5,202	22.7	5,612	24.4	5,827	25.1	5,980	25.8
Other diseases of heart (430-439)	575	25.3	540	23.7	549	23.9	528	22.9	517	23.0
Hyperextension with heart disease (440-443)	874	37.6	749	32.8	770	32.9	757	31.0	717	31.0
Hyperextension without mention of heart (444-447)	182	8.0	157	6.9	186	8.1	173	7.5	198	8.6
Influenza (480-483)	539	23.7	537	23.5	595	26.0	648	28.1	653	28.3
Pneumonia (480-493)	539	23.7	537	23.5	595	26.0	648	28.1	653	28.3
Nontraumatic pneumonia (490-492)	9	0.0	12	0.0	44	1.9	34	1.5	39	1.7
Ulcer of stomach and duodenum (540, 541)	42	1.8	44	1.9	35	1.5	32	1.4	32	1.4
Appendicitis (530-533)	154	6.8	122	5.3	145	6.3	134	5.8	155	6.7
Intestinal obstruction and hernia (560, 561, 570)	154	6.8	122	5.3	145	6.3	134	5.8	155	6.7
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (583, 571, 572)	107	4.7	75	3.3	105	4.6	113	4.9	83	3.6
Cirrhosis of liver (581)	151	6.6	129	5.6	138	6.0	163	7.1	172	7.5
Nephritis and nephrosis (590-594)	369	16.2	268	11.7	312	13.6	310	13.5	270	11.7
Hypertonia of prostate (610)	107	4.7	111	4.9	99	4.3	86	3.7	101	4.4
Complications of pregnancy, childbirth and puerperium (640-689)	239	7.4	256	10.9	19	0.0	25	0.2	18	0.6
Conjunctival melanomas (730-739)	39	0.5	39	0.5	272	11.9	235	10.2	235	10.9
Birth injuries, postnatal asphyxia and asphyxia (760-762)	360	15.8	331	14.5	301	13.1	343	14.9	319	13.8
Other diseases of the newborn (763-769)	433	19.0	440	19.3	419	18.3	355	15.4	456	19.7
Deficiency without mention of psychosis, ill-defined and unknown causes (780-795)	650	28.6	569	24.9	704	30.7	810	35.2	861	37.2
All other diseases (800-802)	1,650	72.6	1,622	71.3	1,711	74.0	1,726	75.4	1,831	79.2
All other accidents (800-802)	608	26.7	542	21.7	690	30.1	725	31.4	666	30.1
Self-inflicted injury (893)	692	31.2	790	34.9	799	34.8	819	35.3	819	35.4
Suicide and self-inflicted injury (893)	166	7.3	214	9.4	171	7.5	184	8.0	205	8.9
Homicide and operations of war (894, 895, 896-899)	103	4.5	102	4.5	104	4.5	101	4.4	118	5.1

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1940-1961
 Figures in Parentheses Refer to Seventh Revision of International List of Causes of Death

Estimated population, July 1	1959		1960		1961	
	Number	Rate	Number	Rate	Number	Rate
Live births*	51,161	22.0	50,900	21.9	50,850	21.2
Physician not in hospital	49,311	...	49,318	...	49,422	...
Physician in hospital	1,262	...	1,268	...	1,007	...
Middle, other, or unknown	568	13.4	495	...	1,007	...
Stillbirths*	684	...	686	...	630	...
Physician in hospital	628	...	620	...	602	...
Middle, other, or unknown	56	...	66	...	28	...
Total deaths, all causes*	21,996	9.5	22,932	9.8	22,973	9.6
Deaths under 1 year*	1,235	24.1	1,297	25.5	1,226	24.1
Deaths under 1 month*	887	17.3	939	18.4	882	17.3
Neonatal deaths (under 1 month)	16	0.0	9	0.0	15	0.6
Infant deaths (1-11 months)	871	17.3	930	18.4	867	17.3
Synphysis and its sequelae (020-029)	48	0.1	32	0.0	29	0.1
Typhoid fever (040)	1	0.0	-	-	-	-
Dysentery, all forms (045-048)	5	0.0	10	0.4	6	0.3
Scarlet fever and streptococcal sore throat	2	0.0	2	0.0	2	0.1
Diphtheria (055)	4	0.0	3	0.0	2	0.0
Whooping cough (056)	3	0.0	3	0.0	3	0.0
Meningococcal infections (057)	3	0.0	3	0.0	1	0.0
Acute poliomyelitis (080)	6	0.0	9	0.1	9	0.0
Acute poliomyelitis (080)	8	0.0	9	0.1	9	0.0
Smallpox (085)	5	0.0	7	0.1	4	0.2
Typhus and other rickettsial diseases (100-108)	1	0.0	-	-	1	0.0
Malaria (110-117)	2	0.0	-	-	1	0.0
All other diseases classified as infective and parasitic (118-139)	96	4.1	101	4.3	99	4.1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-209)	3,418	14.7	3,463	14.8	3,600	15.0
Benign neoplasms (210-239)	61	2.6	62	2.7	60	2.5
Diseases mellitus (260)	344	14.8	398	17.1	379	15.8
Anemia (290-293)	45	1.9	45	1.9	54	2.3
Vascular lesions affecting central nervous system (330-339)	2,996	12.6	3,038	13.0	2,906	12.1
Nontraumatic cerebrovascular disease (400-422)	9	0.0	13	0.0	5	0.2
Rheumatic fever (400-402)	182	7.0	133	5.7	123	5.1
Chronic rheumatic heart disease (410-416)	182	7.0	133	5.7	123	5.1
Arteriosclerotic and degenerative heart disease (420-422)	6,049	26.0	6,256	26.7	6,702	27.5
Other diseases of heart (430-439)	589	2.6	699	3.0	651	2.7
Hyperextension with heart disease (440-443)	259	1.1	259	1.1	271	1.1
Hyperextension without mention of heart (444-447)	194	8.4	160	6.9	166	6.9
Influenza (480-483)	48	2.1	127	5.5	35	1.5
Pneumonia (480-493)	517	24.9	687	29.5	563	23.5
Nontraumatic pneumonia (490-492)	118	5.1	126	5.4	152	6.3
Ulcer of stomach and duodenum (540, 541)	27	1.2	36	1.5	32	1.3
Appendicitis (530-533)	169	7.3	120	5.2	133	5.3
Intestinal obstruction and hernia (560, 561, 570)	169	7.3	120	5.2	133	5.3
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (583, 571, 572)	103	4.4	104	4.5	106	4.4
Cirrhosis of liver (581)	143	6.2	178	7.6	182	7.6
Nephritis and nephrosis (590-594)	237	11.1	228	9.8	226	9.4
Hypertonia of prostate (610)	94	4.0	86	3.7	79	3.3
Complications of pregnancy, childbirth and puerperium (640-689)	22	4.3	19	3.7	22	4.3
Conjunctival melanomas (730-739)	256	11.0	252	10.8	255	10.6
Birth injuries, postnatal asphyxia and asphyxia (760-762)	317	13.7	293	12.6	267	11.1
Other diseases of the newborn (763-769)	49	2.1	50	2.1	43	1.8
Deficiency without mention of psychosis, ill-defined and unknown causes (780-795)	917	39.5	1,002	43.0	1,019	42.5
All other diseases (800-802)	1,878	80.9	1,986	85.3	1,994	81.2
All other accidents (800-802)	864	37.2	903	36.8	899	35.0
Self-inflicted injury (893)	211	9.1	238	10.2	205	8.5
Suicide and self-inflicted injury (893)	119	5.1	133	5.7	106	4.4
Homicide and operations of war (894, 895, 896-899)	119	5.1	133	5.7	106	4.4

TABLE D. AVERAGE AGE-SPECIFIC DEATH RATES FOR SELECTED CAUSES, OKLAHOMA, 1959-1961 AND 1949-1951

	All Ages	Under 1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over
1959-1961													
All causes	972.1	2,551.1	119.6	53.2	51.9	118.5	157.6	288.1	690.2	1,479.2	3,240.2	7,904.9	19,036.4
Diseases of the heart	330.9	<u>11.5</u>	<u>1.7</u>	<u>1.4</u>	<u>0.8</u>	3.6	12.8	58.0	214.8	553.0	1,314.6	3,188.7	7,488.9
Malignant neoplasms	150.1	<u>6.8</u>	<u>1.7</u>	<u>6.5</u>	<u>7.0</u>	8.2	21.2	59.7	157.8	340.7	625.5	1,053.2	1,443.9
Vascular lesions of CNS	127.0	<u>5.9</u>	<u>0.9</u>	<u>1.1</u>	<u>0.5</u>	2.1	3.8	11.5	31.8	124.8	429.5	1,385.9	4,074.8
Accidents	67.1	<u>113.6</u>	<u>38.6</u>	<u>22.6</u>	<u>25.9</u>	70.3	53.8	53.5	71.2	73.8	97.0	214.7	712.0
Influenza and pneumonia	29.2	162.2	12.6	1.7	1.8	2.5	2.9	5.1	9.3	24.5	70.5	253.4	943.9
Diseases of the arteries	24.2	-	0.2	-	-	0.1	0.6	2.0	3.8	14.7	67.1	289.0	1,154.8
Diabetes mellitus	16.0	<u>2.0</u>	<u>0.2</u>	<u>0.3</u>	<u>0.9</u>	0.7	2.4	4.5	11.6	31.5	70.7	139.4	194.8
Nephritis and nephrosis	10.2	<u>1.0</u>	<u>0.1</u>	<u>0.2</u>	<u>0.2</u>	0.3	3.6	3.8	8.4	13.1	25.8	88.6	261.1
Suicide	9.4	-	-	-	-	3.9	9.9	15.3	18.0	17.7	19.3	17.4	<u>16.1</u>
Hypertension, without mention of heart	7.4	-	-	-	-	-	<u>1.3</u>	2.5	5.6	7.9	25.4	67.2	237.0
Cirrhosis of the liver	7.2	-	-	-	-	0.2	2.4	5.3	16.5	18.8	24.1	21.8	<u>32.1</u>
Tuberculosis	6.2	<u>1.4</u>	<u>0.7</u>	<u>0.4</u>	<u>0.2</u>	2.9	3.1	9.2	15.3	19.1	19.1	35.2	24.7
Intestinal obstruction and hernia	6.0	<u>15.6</u>	<u>0.3</u>	-	<u>0.2</u>	0.5	0.6	1.9	3.7	9.7	18.6	56.6	124.5
Ulcer of stomach and duodenum	5.7	<u>2.7</u>	-	-	-	<u>0.3</u>	<u>1.3</u>	2.4	7.3	12.5	20.5	42.8	48.2
Gastritis, duodenitis, enteritis, and colitis, except diarrhea of the newborn	4.5	77.4	3.3	0.4	0.3	0.5	0.2	0.6	1.6	4.0	8.7	25.8	50.2
1949-1951													
All causes	878.5	3,315.9	170.2	71.5	63.8	135.1	168.3	313.6	691.3	1,521.6	3,413.8	8,461.4	20,359.1
Diseases of the heart	271.5	<u>5.0</u>	<u>1.0</u>	<u>1.9</u>	<u>1.2</u>	5.8	14.0	57.2	220.5	588.6	1,344.7	3,240.9	6,956.0
Malignant neoplasms	120.6	<u>9.4</u>	<u>14.6</u>	<u>5.2</u>	<u>4.3</u>	6.8	18.7	61.3	142.6	311.6	552.4	1,058.3	1,555.5
Vascular lesions of CNS	104.2	<u>12.3</u>	<u>0.7</u>	<u>0.3</u>	<u>0.4</u>	1.4	3.4	10.3	49.5	158.2	538.0	1,544.8	3,161.8
Accidents	64.6	<u>115.4</u>	<u>48.7</u>	<u>28.3</u>	<u>27.3</u>	64.7	50.8	50.4	56.7	61.2	93.1	300.3	1,155.7
Influenza and pneumonia	31.4	263.9	20.1	3.9	2.8	2.9	2.8	6.3	12.1	28.4	81.0	321.3	1,312.0
Diseases of the arteries	19.4	-	0.3	0.3	-	0.3	0.9	1.7	5.6	16.9	65.5	453.1*	1,635.5
Diabetes mellitus	13.7	-	0.3	0.3	1.1	1.7	2.3	4.1	9.0	31.1	82.8	135.7	163.5
Nephritis and nephrosis	20.7	<u>4.3</u>	<u>2.2</u>	<u>1.6</u>	<u>1.1</u>	4.1	3.4	9.1	16.0	33.7	86.1	279.9*	18.2
Suicide	8.3	-	-	-	-	3.7	7.3	11.9	15.1	19.1	21.1	19.8	385.2
Hypertension, without mention of heart	9.6	-	-	-	-	-	0.7	2.0	6.0	16.4	35.6	141.7	385.2
Cirrhosis of the liver	6.0	<u>2.2</u>	<u>0.3</u>	<u>0.3</u>	<u>0.3</u>	0.9	3.9	9.5	15.8	26.0	43.8	58.1	58.1
Tuberculosis	21.6	<u>12.8</u>	<u>7.4</u>	<u>2.1</u>	<u>2.1</u>	10.5	13.7	25.3	32.8	46.1	59.1	63.1	61.8
Intestinal obstruction and hernia	6.9	<u>35.3</u>	<u>2.6</u>	<u>2.2</u>	-	0.4	1.1	1.1	2.8	6.9	11.3	55.9	116.3
Ulcer of stomach and duodenum	4.4	<u>3.6</u>	-	-	-	0.3	0.8	4.4	8.5	11.9	18.3	22.2	10.9
Gastritis, duodenitis, enteritis, and colitis, except diarrhea of the newborn	4.5	95.2	5.3	0.5	-	0.6	0.3	1.1	1.1	3.6	9.5	21.0	65.4

Note: Rates based on fewer than 20 deaths during the period are underscored.
* Data not available for age group 75-84 separately.

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1961

Cause	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total deaths, all causes*	2,398,000		2,177,461		155,850		64,689	
Tuberculosis of respiratory system (001-008)	22,973	9.6	20,604	9.5	1,804	11.6	565	8.7
Tuberculosis of meninges and central nervous system (010)	118	4.9	87	4.0	15	9.6	16	24.7
Tuberculosis of intestines, peritoneum and pleura (011-013)	4	0.2	2	0.1	2	1.3	-	-
Tuberculosis of bones and joints (014-019)	1	0.0	1	0.1	-	-	1	1.5
Tuberculosis, all other forms (014-019)	8	0.3	2	0.1	3	1.9	3	4.6
Genital syphilis (020)	-	-	-	-	-	-	-	-
Early syphilis (021)	-	-	-	-	-	-	-	-
Late syphilis (022)	-	-	-	-	-	-	-	-
General paralysis of insane (023)	-	-	-	-	-	-	-	-
All other syphilis (022, 023, 024-029)	29	1.2	22	1.0	7	4.5	-	-
Genococcal infections (030-035)	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-
Paratyphoid fever and other salmonella infections (041-043)	-	-	-	-	-	-	-	-
Cholera (043)	-	-	-	-	-	-	-	-
Bacillary dysentery (044)	-	-	-	-	-	-	-	-
Dysentery, all forms (044-049)	6	0.3	1	0.0	2	1.3	3	4.6
Scarlet fever (050)	-	-	-	-	-	-	-	-
Scarlet fever, all forms (045-049)	-	-	-	-	-	-	-	-
Epidemic typhus (051)	-	-	-	-	-	-	-	-
Epidemic typhus (052)	2	0.1	24	1.1	-	-	-	-
Sepsicemia and pyemia (053)	27	1.1	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-
Bacterial meningitis (057)	-	-	-	-	-	-	-	-
Nonbacterial meningitis (058)	-	-	-	-	-	-	-	-
Leptospirosis (059)	-	-	-	-	-	-	-	-
Leptospirosis, all forms (059-060)	-	-	-	-	-	-	-	-
Leptospirosis (060)	-	-	-	-	-	-	-	-
Leptospirosis (061)	6	0.3	5	0.2	1	0.6	-	-
Relapsing fever (062)	-	-	-	-	-	-	-	-
Acute poliomyelitis (063)	5	0.2	5	0.2	-	-	-	-
Chronic poliomyelitis (064)	-	-	-	-	-	-	-	-
Acute infectious encephalitis and meningitis (065-069)	2	0.1	2	0.1	-	-	-	-
Smallpox (068)	-	-	-	-	-	-	-	-
Measles (069)	4	0.2	3	0.1	-	-	1	1.5
Scarlet fever (070)	14	0.6	13	0.6	-	-	1	1.5
Scarlet fever (071)	-	-	-	-	-	-	-	-
Scarlet fever (072)	-	-	-	-	-	-	-	-
Scarlet fever (073)	-	-	-	-	-	-	-	-
Scarlet fever (074)	-	-	-	-	-	-	-	-
Scarlet fever (075)	-	-	-	-	-	-	-	-
Scarlet fever (076)	-	-	-	-	-	-	-	-
Scarlet fever (077)	-	-	-	-	-	-	-	-
Scarlet fever (078)	-	-	-	-	-	-	-	-
Scarlet fever (079)	-	-	-	-	-	-	-	-
Scarlet fever (080)	-	-	-	-	-	-	-	-
Scarlet fever (081)	-	-	-	-	-	-	-	-
Scarlet fever (082)	-	-	-	-	-	-	-	-
Scarlet fever (083)	-	-	-	-	-	-	-	-
Scarlet fever (084)	-	-	-	-	-	-	-	-
Scarlet fever (085)	-	-	-	-	-	-	-	-
Scarlet fever (086)	-	-	-	-	-	-	-	-
Scarlet fever (087)	-	-	-	-	-	-	-	-
Scarlet fever (088)	-	-	-	-	-	-	-	-
Scarlet fever (089)	-	-	-	-	-	-	-	-
Scarlet fever (090)	-	-	-	-	-	-	-	-
Scarlet fever (091)	-	-	-	-	-	-	-	-
Scarlet fever (092)	-	-	-	-	-	-	-	-
Scarlet fever (093)	-	-	-	-	-	-	-	-
Scarlet fever (094)	-	-	-	-	-	-	-	-
Scarlet fever (095)	-	-	-	-	-	-	-	-
Scarlet fever (096)	-	-	-	-	-	-	-	-
Scarlet fever (097)	-	-	-	-	-	-	-	-
Scarlet fever (098)	-	-	-	-	-	-	-	-
Scarlet fever (099)	-	-	-	-	-	-	-	-
Scarlet fever (100)	-	-	-	-	-	-	-	-
Scarlet fever (101)	-	-	-	-	-	-	-	-
Scarlet fever (102)	-	-	-	-	-	-	-	-
Scarlet fever (103)	-	-	-	-	-	-	-	-
Scarlet fever (104)	-	-	-	-	-	-	-	-
Scarlet fever (105)	-	-	-	-	-	-	-	-
Scarlet fever (106)	-	-	-	-	-	-	-	-
Scarlet fever (107)	-	-	-	-	-	-	-	-
Scarlet fever (108)	-	-	-	-	-	-	-	-
Scarlet fever (109)	-	-	-	-	-	-	-	-
Scarlet fever (110)	-	-	-	-	-	-	-	-
Scarlet fever (111)	-	-	-	-	-	-	-	-
Scarlet fever (112)	-	-	-	-	-	-	-	-
Scarlet fever (113)	-	-	-	-	-	-	-	-
Scarlet fever (114)	-	-	-	-	-	-	-	-
Scarlet fever (115)	-	-	-	-	-	-	-	-
Scarlet fever (116)	-	-	-	-	-	-	-	-
Scarlet fever (117)	-	-	-	-	-	-	-	-
Scarlet fever (118)	-	-	-	-	-	-	-	-
Scarlet fever (119)	-	-	-	-	-	-	-	-
Scarlet fever (120)	-	-	-	-	-	-	-	-
Scarlet fever (121)	-	-	-	-	-	-	-	-
Scarlet fever (122)	-	-	-	-	-	-	-	-
Scarlet fever (123)	-	-	-	-	-	-	-	-
Scarlet fever (124)	-	-	-	-	-	-	-	-
Scarlet fever (125)	-							

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

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasm of all other and unspecified sites (150-203)	1,024	42.7	932	42.8	65	41.7	27	41.7
Lung (150-203)	186	7.8	177	8.1	8	5.1	1	1.5
Lymphoecarcinoma and other neoplasms of lymphatic and hematopoietic system (200-203)	188	7.8	178	8.2	6	3.8	4	6.2
Neoplasms and neoplasms of unspecified nature (210-239)	60	2.5	56	2.6	3	1.9	1	1.5
Non-toxic goiter (250, 251)	4	0.2	2	0.1	2	1.3	1	1.5
Thyrotoxicosis with or without goiter (252)	379	15.8	357	15.0	35	22.5	17	26.3
Diabetes mellitus (260)	26	1.1	22	1.0	3	1.9	1	1.5
Diabetes insipidus and other deficiency states (280-286)	54	2.3	49	2.3	3	1.9	2	3.1
Anemia (290-293)	153	6.4	138	6.3	11	7.1	4	6.2
Allergic disorders; all other endocrine, metabolic and blood diseases (300-324)	30	1.3	29	1.3	1	0.6	4	6.2
Psychoses (300-309)	28	1.2	21	1.0	3	1.9	4	6.2
Psychoneuroses and disorders of personality (310-324, 326)	8	0.3	8	0.4	1	0.6	4	6.2
Mental deficiency (325)	2,906	121.2	2,664	121.4	205	131.5	57	88.1
Vascular lesions affecting central nervous system (330-339)	33	1.4	30	1.4	3	1.9	1	1.5
Nonmeningeococcal meningitis (340)	12	0.5	10	0.5	1	0.6	2	3.1
Multiple sclerosis (345)	25	1.0	22	1.0	1	0.6	1	1.5
Epilepsy (353)	1	0.0	1	0.0	1	0.6	1	1.5
Infectious diseases of eye (370-379)	1	0.0	1	0.0	1	0.6	1	1.5
Cataract (382)	1	0.0	1	0.0	1	0.6	1	1.5
Glaucoma (387)	1	0.0	1	0.0	1	0.6	1	1.5
All other diseases of the nervous system and sense organs (341-344, 350-352, 354-369, 380-384, 388-390, 394-398)	148	6.2	136	6.2	11	7.1	1	1.5
Rheumatoid arthritis (710)	123	5.1	115	5.3	5	3.2	3	4.6
Chronic rheumatic heart disease (410-416)	6,702	279.5	6,301	289.4	311	199.6	90	138.1
Atherosclerotic and degenerative heart disease (420-422)	562	23.4	496	22.8	49	31.6	17	26.3
Other diseases of heart (420-434)	631	27.1	544	25.0	95	61.0	12	18.6
Hypertension with heart disease (430-443)	166	6.9	136	6.2	30	19.2	5	7.7
Hypertension without heart disease (440-443)	575	24.0	528	24.2	42	28.9	5	7.7
Diseases of arteries (450-456)	127	5.3	105	4.8	17	10.9	5	7.7
Other diseases of circulatory system (460-468)	7	0.3	6	0.3	1	0.6	1	1.5
Acute (470-475)	35-	1.5	30	1.4	4	2.6	1	1.5
Influenza (480-483)	88	3.7	73	3.4	11	7.1	4	6.2
Labor pneumonia (490)	278	11.5	253	11.6	11	7.1	12	18.6
Bronchopneumonia (491)	199	8.3	161	7.6	25	16.0	13	20.1
Pneumonia (492, 493)	10	0.4	10	0.5	-	-	-	-
Bronchitis, chronic and unspecified (501, 502)	30	1.3	26	1.2	4	2.6	-	-
Hypertrophy of tonsils and adenoids (510)	8	0.3	8	0.4	-	-	-	-
All other respiratory diseases (511-517, 520, 522-527)	306	12.8	292	13.4	9	5.8	5	7.7
Disease of tracheal supporting structures (540)	73	3.0	69	3.2	2	1.3	2	3.1
Ulcer of duodenum (541)	79	3.3	75	3.4	4	2.6	1	1.5
Gastritis and duodenitis (542)	9	0.4	8	0.4	1	0.6	1	1.5
Appendicitis (550-553)	32	1.3	24	1.1	6	3.8	2	3.1
Intestinal obstruction and hernia (560-569)	133	5.5	116	5.3	11	7.1	6	9.3
Gastro-enteritis and colitis, except diarrhea of the newborn (571, 572)	97	4.0	80	3.7	12	7.7	5	7.7
Cirrhosis of liver (581)	182	7.6	150	6.9	16	10.3	16	24.7
Cholangitis and cholecystitis (584, 585)	73	3.0	63	2.9	4	2.6	6	9.3

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

	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Other diseases of digestive system (536-539, 542, 544, 545, 573-580, 582, 583, 586, 587)	153	6.4	135	6.2	16	10.3	2	3.1
Acute hepatitis (580)	20	0.8	18	0.8	5	3.2	1	1.5
Chronic hepatitis and unspecified hepatitis (591-594)	206	8.6	161	7.4	34	21.8	11	17.0
Infections of kidney (600)	164	6.8	137	6.3	16	10.3	11	17.0
Calculi of urinary system (602, 604)	13	0.5	12	0.6	1	0.6	1	1.5
Hyperplasia of prostate (610)	79	3.1	74	3.4	4	2.6	1	1.5
Other diseases of genito-urinary system (601, 603, 605-609, 611-617, 622-637)	43	1.8	38	1.7	5	3.2	-	-
Septic of pregnancy, childbirth and the puerperium (640, 641, 681, 682, 684)	2	0.1	1	0.0	-	-	1	1.5
Toxemia of pregnancy and the puerperium (643, 644, 670-672)	4	0.2	3	0.1	1	0.6	-	-
Hemorrhage of pregnancy and the puerperium (643, 644, 670-672)	5	0.2	1	0.0	4	2.6	-	-
Abortion without mention of sepsis or toxemia (650)	1	0.0	1	0.0	-	-	-	-
Abortion (650)	1	0.0	1	0.0	-	-	-	-
Other diseases of pregnancy, childbirth and the puerperium (645-649, 660, 673-680, 683, 687-689)	10	0.4	6	0.3	3	1.9	1	1.5
Infections of skin and subcutaneous tissue (690-698)	12	0.5	9	0.4	3	1.9	3	4.6
Infections of skin and subcutaneous tissue (700-725)	36	1.4	29	1.3	2	1.3	-	-
Meningitis and peritonitis (730)	1	0.0	1	0.0	-	-	-	-
Meningitis and peritonitis (730)	1	0.0	1	0.0	-	-	-	-
Unspecified (726, 727)	1	0.0	1	0.0	-	-	-	-
Osteomyelitis and periostitis (730)	1	0.0	1	0.0	1	0.6	-	-
Amputations and acquired musculoskeletal deformities (737, 738)	1	0.0	1	0.0	-	-	-	-
All skeletal system (700-716, 731-735, 738-744)	38	1.6	34	1.6	3	1.9	1	1.5
Sphenoid and meningococcal (731)	10	0.4	9	0.4	1	0.6	1	1.5
Congenital malformations of circulatory system (750)	142	5.9	127	5.8	12	7.7	3	4.6
All other congenital malformations (750)	103	4.3	93	4.3	13	8.3	3	4.6
Birth injuries (760, 761)	168	7.0	150	7.0	34	21.8	4	6.2
Postnatal asphyxia and atelectasis (762)	25	1.0	24	1.1	1	0.6	-	-
Infections of the newborn (770)	25	1.0	24	1.1	1	0.6	-	-
All other defined diseases of early infancy (769, 771, 772)	24	1.0	16	0.7	6	3.8	2	3.1
Ill-defined diseases peculiar to early infancy, and immature unqualified (780-793, 795)	367	15.3	288	13.2	69	44.3	10	15.5
Senility without mention of psychosis (794)	129	5.4	110	5.1	18	11.5	1	1.5
Ill-defined and unknown causes of mortality (780-793, 795)	990	37.1	700	32.1	154	98.8	36	55.7
Motor-vehicle accidents (800-802)	840	31.0	697	30.2	38	24.4	48	74.2
Other motor-vehicle accidents (800-802)	56	2.3	50	2.3	4	2.6	2	3.1
Accidental poisoning (870-893)	44	1.8	37	1.7	7	4.5	4	6.2
Accidental falls (890-894)	275	11.5	260	11.9	11	7.1	4	6.2
Accident caused by machinery (8912)	35	1.5	34	1.6	1	0.6	-	-
Accident caused by explosion or explosion of gas (8916)	119	5.0	94	4.3	23	14.8	2	3.1
Accident caused by hot substance, corrosive liquid, steam, and radiation (8917, 8918)	6	0.3	5	0.2	1	0.6	-	-
Accident caused by firearm (8919)	52	2.2	42	1.9	3	1.9	3	4.6
Accidental drowning and suffocation (8920)	58	2.4	52	2.4	3	1.9	3	4.6
All other accidents (8921-8929)	194	8.1	169	7.8	18	11.5	7	10.8
Suicide and self-inflicted injury (8935)	205	8.5	199	9.1	3	1.9	3	4.6
E970-E979)	106	4.4	71	3.3	31	19.9	4	6.2
Bleeds and injury purposely inflicted by other persons (code in war) (E984, E985)	-	-	-	-	-	-	-	-
Injury resulting from operations of war (E990-E999)	-	-	-	-	-	-	-	-

TABLE II. RESIDENT BIRTHS, DEATHS, AND DEATHS BY INTERNATIONAL, ABBREVIATED LIST OF 50 CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1961

Cause of Death	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Live births	50,899	21.2	43,833	20.1	4,693	30.1	2,333	36.1
Physician in hospital	49,422	...	42,898	...	156	...	48	...
Physician not in hospital	1,007	...	805	...	287	...	13	...
Malaria (100-117)	430	...	130	...	105	...	44	...
Syphilis and its sequelae (020-029)	643	12.6	496	11.3	102	22.4	44	18.9
Typhoid fever (040)	36	...	22	...	12	...	2	...
Scarlet fever and streptococcal sore throat	4	...	2	...	2	...	2	...
Diphtheria (050)	22,973	9.6	20,604	9.5	1,804	11.6	565	8.7
Meningococcal infections (057)	882	17.3	970	22.1	206	30.0	50	21.4
Whooping cough (060)	15	...	78	16.4	141	40.9	23	9.9
Measles (085)	6	...	6	...	15	3.2	16	26.7
Trichinosis (090)	29	1.2	22	1.0	7	4.5	4	6.2
Tuberculosis, other forms (100-108)	6	0.3	1	0.0	2	1.3	3	4.6
Diphtheria (051)	2	0.1	2	0.1	-	-	-	-
Whooping cough (056)	1	0.0	1	0.0	-	-	-	-
Meningococcal infections (057)	1	0.0	1	0.0	-	-	-	-
Scarlet fever and streptococcal sore throat	4	0.2	3	0.1	-	-	-	-
Measles (085)	1	0.0	1	0.0	-	-	-	-
Typhus and other rickettsial diseases (100-108)	1	0.0	1	0.0	-	-	-	-
Malaria (100-117)	-	-	-	-	-	-	-	-
All other diseases classified as ineffective	99	4.1	89	4.1	6	3.8	4	6.2
Multiple neoplasms, including neoplasms of lymphatic and hematopoietic tissues (200-209)	3,600	150.1	3,278	150.5	248	159.1	74	114.4
Benign and unspecified neoplasms (210-239)	60	2.5	56	2.6	17	26.3	17	26.3
Diabetes mellitus (250)	379	15.8	327	15.0	35	22.5	17	26.3
Alzheimer's disease (290)	54	2.3	49	2.3	3	1.9	2	3.1
Paralysis (330-359)	2,906	121.2	2,644	121.4	205	131.5	57	88.1
Nonmeningococcal meningitis (340)	5	0.2	5	0.4	3	1.9	3	4.6
Rheumatic fever (400-402)	123	5.1	115	5.3	5	3.2	3	4.6
Chronic rheumatic heart disease (410-416)	6,702	279.5	6,301	289.4	311	199.6	90	139.1
Arteriosclerotic and degenerative heart disease (420-422)	562	23.4	496	22.8	49	31.4	17	26.3
Hypertension with heart disease (440-443)	671	27.1	544	25.0	95	61.0	12	18.6
Hypertension without mention of heart disease (444-447)	166	6.9	136	6.2	30	19.2	1	1.5
Influenza (480-483)	35	1.5	30	1.4	4	2.6	29	44.8
Bronchitis (500-502)	583	23.5	487	22.4	47	30.2	6	9.3
Ulcer of stomach and duodenum (540, 541)	152	6.3	146	6.6	6	3.8	2	3.1
Appendicitis (530-533)	32	1.3	24	1.1	6	3.8	2	3.1
Intestinal obstruction and hernia (560, 561, 570)	133	5.5	116	5.3	11	7.1	6	9.3
Uterine cancer (630-633)	106	4.4	88	4.0	13	8.3	5	7.7
Cervix of the uterus (634)	182	7.6	150	6.9	16	10.3	16	24.7
Nephritis and nephrosis (590-594)	226	9.4	175	8.0	39	25.0	12	18.6
Hypertensive disease (610)	79	3.3	74	3.4	4	2.6	1	1.5
Diabetes mellitus (250)	22	4.3	12	2.7	8	17.0	2	3.1
Other diseases of the newborn (750-759)	255	10.6	229	10.5	20	12.8	6	9.3
Birth injuries, postnatal asphyxia and congenital malformations (760-769)	267	11.1	216	9.9	47	30.2	4	6.2
Accidents (800-899)	43	1.8	34	1.6	9	5.8	4	6.2
Accidents (800-899)	46	1.9	38	1.8	7	4.6	12	18.6
Immunuity unaffiliated (760-769)	1,019	42.5	810	37.2	172	110.4	37	57.2
All other diseases (800-899)	1,994	83.2	1,791	81.2	152	97.5	51	78.8
Motor-vehicle accidents (880-883)	839	35.0	757	30.2	38	24.4	48	74.2
All other accidents (890-892, 894-896, 897-899)	205	8.5	199	9.1	19	12.8	23	35.6
Homeicide and operations of war (E904, E905, E906-999)	106	4.4	71	3.3	3	1.9	3	4.6

See notes on Table A.

TABLE III. RESIDENT DEATHS BY INTERNATIONAL, ABBREVIATED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1961

Cause of Death	All Ages*						White		Under 1 Year	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths all causes	12,116	8,435	965	839	294	271	557	413	150	86
Tuberculosis of respiratory system (001-008)	62	25	10	5	6	10	-	-	-	-
Syphilis and its sequelae (020-029)	16	6	3	4	1	2	-	-	-	-
Typhoid fever (040)	1	-	1	1	1	1	-	-	-	-
Diphtheria (050)	2	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat	2	-	-	-	-	-	-	-	-	-
Whooping cough (060)	1	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	1	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	2	-	-	-	-	-	-	-	-	-
Diphtheria (051)	1	-	-	-	-	-	-	-	-	-
Measles (085)	1	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	1	-	-	-	-	-	-	-	-	-
Malaria (100-117)	1	-	-	-	-	-	-	-	-	-
All other diseases classified as ineffective	50	39	3	3	4	4	7	4	2	1
Multiple neoplasms, including neoplasms of lymphatic and hematopoietic tissues (200-209)	1,763	1,335	118	130	32	42	2	2	-	-
Benign and unspecified neoplasms (210-239)	34	22	8	7	1	1	-	-	-	-
Diabetes mellitus (250)	144	183	8	27	7	10	-	-	-	-
Alzheimer's disease (290)	20	29	1	1	1	1	-	-	-	-
Paralysis (330-359)	1,380	1,264	96	109	30	27	2	1	1	1
Nonmeningococcal meningitis (340)	17	13	1	2	-	-	5	1	1	1
Rheumatic fever (400-402)	2	2	2	3	1	2	-	-	-	-
Chronic rheumatic heart disease (410-416)	56	59	2	1	1	2	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	4,044	2,257	162	149	57	33	1	1	-	-
Hypertension with heart disease (440-443)	304	192	16	20	12	5	-	-	-	-
Hypertension without mention of heart disease (444-447)	256	288	41	54	7	5	-	-	-	-
Influenza (480-483)	64	72	14	16	1	1	-	-	-	-
Bronchitis (500-502)	279	208	29	18	17	12	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	108	36	5	3	1	1	-	-	-	-
Appendicitis (530-533)	13	11	1	1	1	1	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	56	60	7	4	3	3	-	-	-	-
Uterine cancer (630-633)	39	49	6	7	2	3	-	-	-	-
Cervix of the uterus (634)	143	183	5	8	4	8	-	-	-	-
Nephritis and nephrosis (590-594)	74	85	23	16	1	1	-	-	-	-
Hypertensive disease (610)	22	22	4	4	1	1	-	-	-	-
Diabetes mellitus (250)	193	135	48	28	9	3	193	135	48	28
Other diseases of the newborn (750-759)	556	254	111	61	22	15	22	10	8	2
Birth injuries, postnatal asphyxia and congenital malformations (760-769)	556	780	89	63	36	36	15	20	2	1
Accidents (800-899)	1,011	716	278	28	14	4	4	4	4	4
Motor-vehicle accidents (880-883)	467	190	26	12	30	18	4	2	4	4
All other accidents (890-892, 894-896, 897-899)	160	160	3	3	3	3	-	-	-	-
Homeicide and operations of war (E904, E905, E906-999)	51	20	27	4	4	4	-	-	-	-

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

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1961 (Continued)

Cause of Death	1-4 Years						5-9 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	104	81	16	11	4	6	65	43	6	3	1	2
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Striae fever and streptococcal sore throat (049)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (086)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
Amoebiasis (030-039)	-	-	-	-	-	-	-	-	-	-	-	-
Ascariasis (040-049)	-	-	-	-	-	-	-	-	-	-	-	-
Yaws (050-059)	-	-	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	4	1	-	-	-	-	1	1	-	-	-	-
Benign and unspecified neoplasms (210-239)	13	9	-	-	-	-	9	4	1	-	-	-
Diabetes mellitus (260)	2	1	-	-	-	-	-	-	-	-	-	-
Amnesia (290-295)	-	-	-	-	-	-	-	-	-	-	-	-
Yasargi (300-334)	1	1	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	1	4	-	-	-	-	2	2	1	1	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	1	2	-	-	-	-	4	1	1	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart disease (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	2	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (490-493)	1	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (500-502)	13	7	1	-	-	-	1	1	1	-	-	-
Bronchitis (500-502)	1	3	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (530-533)	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 574, 575, 581)	3	2	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	1	1	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	1	1	-	-	-	-	-	-	-	-	-	-
Hypertrophy of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-649)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	10	12	-	-	-	-	4	3	1	-	-	-
Birth injuries, postnatal asphyxia and asphyxia (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to newborn (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the newborn (777-789)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	4	1	4	-	-	-	-	-	-	-	-	-
All other diseases (Residual)	12	1	2	-	-	-	1	1	1	-	-	-
Motor-vehicle accidents (8810-8835)	15	6	1	-	-	-	10	15	-	-	-	-
All other accidents (8800-8802, 8840-8962)	20	20	5	7	-	-	21	5	-	-	-	-
Suicide and self-inflicted injury (8963, 8970-8979)	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (8984, 8985, 8990-8999)	1	1	-	-	-	-	2	1	-	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1961 (Continued)

Cause of Death	10-14 Years						15-19 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	54	37	4	7	3	1	110	66	5	9	8	6
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Striae fever and streptococcal sore throat (049)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections (057)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (086)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-108)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
Amoebiasis (030-039)	-	-	-	-	-	-	-	-	-	-	-	-
Ascariasis (040-049)	-	-	-	-	-	-	-	-	-	-	-	-
Yaws (050-059)	-	-	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	1	1	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	5	6	-	-	-	-	10	9	-	-	-	-
Benign and unspecified neoplasms (210-239)	2	1	-	-	-	-	1	1	-	-	-	-
Diabetes mellitus (260)	1	2	-	-	-	-	-	-	-	-	-	-
Amnesia (290-295)	-	-	-	-	-	-	-	-	-	-	-	-
Yasargi (300-334)	1	1	-	-	-	-	-	-	-	-	-	-
Nonmeningococcal meningitis (340)	1	1	-	-	-	-	1	1	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic degenerative heart disease (420-422)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of heart (430-434)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension with heart disease (440-443)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension without mention of heart disease (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	2	4	-	-	-	-	-	-	-	-	-	-
Typhoid fever (490-493)	2	-	-	-	-	-	-	-	-	-	-	-
Pneumonia (500-502)	4	2	-	-	-	-	3	2	-	-	-	-
Bronchitis (500-502)	1	1	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	1	1	-	-	-	-	1	1	-	-	-	-
Appendicitis (530-533)	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 574, 575, 581)	-	-	-	-	-	-	-	-	-	-	-	-
Cirrhosis of liver (581)	-	-	-	-	-	-	-	-	-	-	-	-
Nephritis and nephrosis (590-594)	2	1	-	-	-	-	1	2	-	-	-	-
Hypertrophy of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-649)	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (750-759)	1	4	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and asphyxia (760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to newborn (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the newborn (777-789)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	3	3	1	2	-	-	6	8	2	2	-	-
All other diseases (Residual)	19	6	1	1	-	-	51	27	1	1	-	-
Motor-vehicle accidents (8810-8835)	18	1	-	-	-	-	22	5	-	-	-	-
All other accidents (8800-8802, 8840-8962)	-	-	-	-	-	-	-	-	-	-	-	-
Suicide and self-inflicted injury (8963, 8970-8979)	-	-	-	-	-	-	-	-	-	-	-	-
Homicide and operations of war (8984, 8985, 8990-8999)	1	1	-	-	-	-	1	1	-	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1961 (Continued)

Cause of Death	20-24 Years						25-24 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	107	51	8	5	11	4	240	115	41	30	9	15
Tuberculosis of respiratory system (001-008)	-	-	-	-	-	-	2	1	1	-	1	3
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis and its sequelae (020-029)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever, other forms (045-046)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	1	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (060)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles and other rickettsial diseases (085)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 045, 052-054, 059-074, 081-083, 086-096, 120-128)	2	1	-	-	-	-	2	2	-	-	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	5	4	-	1	-	-	18	30	1	3	-	2
Benign and unspecified neoplasms (210-239)	1	-	-	-	-	-	1	1	-	-	-	-
Anemia (290-293)	-	-	-	-	-	-	2	1	-	1	-	-
Vascular lesions affecting central nervous system (330-334)	1	-	-	-	-	-	7	2	-	2	-	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-415)	2	1	-	-	-	-	1	3	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	-	-	-	-	-	-	13	6	5	1	1	1
Other diseases of heart (430-440)	1	1	-	-	-	-	1	3	3	-	-	-
Hyperextension without mention of heart (444-447)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	-	-	-	-	-	-	2	3	1	1	-	-
Pneumonia (490-493)	1	-	-	-	-	-	2	3	1	1	-	-
Bronchitis (500-502)	-	-	-	-	-	-	-	-	-	-	-	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	6	-	-	1	-	-
Appendicitis (550-553)	-	-	-	-	-	-	-	-	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	-	-	-	-	-	2	-	1	-	-	-
Gas, except diarrhea of the newborn (543, 571, 572)	1	1	-	-	-	-	-	1	-	-	-	-
Cirrhosis of liver (581)	1	-	-	-	-	-	4	6	1	1	2	2
Nephritis and nephrosis (590-596)	1	-	-	-	-	-	4	6	1	1	1	2
Hypertasia of prostate (610)	1	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	2	-	-	1	-	-	3	2	1	3	-	1
Congenital malformations (750-759)	2	3	-	-	-	-	9	9	1	-	-	1
Birth injuries, postnatal asphyxia and other diseases of the newborn (763-769)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-769)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-799)	2	6	1	2	1	1	8	10	3	2	4	2
All other diseases (800-899)	54	19	2	-	9	2	70	13	7	4	2	3
Motor-vehicle accidents (8810-8835)	28	8	1	-	9	2	42	6	1	1	1	-
All other accidents (8800-8802, 8840-8962)	4	5	1	-	1	-	18	6	4	3	1	-
Suicide and self-inflicted injury (8905)	1	1	2	-	-	-	10	7	10	2	-	-
Homicide and operations of war (8964, 8965, 8980-8999)	-	-	-	-	-	-	-	-	-	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1961 (Continued)

Cause of Death	35-44 Years						45-54 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	467	264	50	41	21	21	1,163	482	86	76	37	28
Tuberculosis of respiratory system (001-008)	1	-	1	-	2	1	8	2	1	2	1	1
Tuberculosis, other forms (010-019)	1	-	1	-	1	1	1	1	1	1	-	-
Syphilis and its sequelae (020-029)	2	-	1	-	-	-	1	1	2	1	-	-
Typhoid fever (040)	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever, other forms (045-046)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (060)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles and other rickettsial diseases (085)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 045, 052-054, 059-074, 081-083, 086-096, 120-128)	2	2	-	-	-	-	4	5	-	1	-	-
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	71	91	6	10	2	3	176	215	7	19	6	6
Benign and unspecified neoplasms (210-239)	1	2	-	-	-	-	8	1	1	5	1	2
Anemia (290-293)	2	-	-	-	-	-	14	1	1	-	-	-
Vascular lesions affecting central nervous system (330-334)	6	18	4	1	-	-	49	16	3	9	3	3
Nonmeningococcal meningitis (340)	1	-	-	-	-	-	1	-	-	-	-	-
Rheumatic fever (400-402)	15	11	1	-	-	-	6	7	-	1	1	-
Chronic rheumatic heart disease (410-415)	113	20	4	1	-	-	423	50	9	8	7	1
Arteriosclerotic and degenerative heart disease (420-422)	9	3	1	2	-	-	26	16	7	4	2	1
Other diseases of heart (430-440)	1	2	1	2	-	-	10	5	4	2	-	-
Hyperextension without mention of heart (444-447)	1	2	-	-	-	-	5	2	2	-	-	-
Influenza (480-483)	4	2	-	-	-	-	10	1	2	-	-	-
Pneumonia (490-493)	4	2	-	-	-	-	12	9	2	1	-	-
Bronchitis (500-502)	5	2	-	-	-	-	12	9	2	1	-	-
Ulcer of stomach and duodenum (540, 541)	5	2	-	-	-	-	12	9	2	1	-	-
Appendicitis (550-553)	1	2	1	1	1	-	5	1	-	-	-	-
Intestinal obstruction and hernia (560, 561, 570)	1	-	-	-	-	-	6	1	-	-	-	-
Gas, except diarrhea of the newborn (543, 571, 572)	2	6	1	4	1	3	5	11	2	3	2	2
Cirrhosis of liver (581)	1	1	1	4	-	-	32	11	2	2	3	2
Nephritis and nephrosis (590-596)	5	3	4	-	-	-	6	3	4	1	-	-
Hypertasia of prostate (610)	3	-	-	-	-	-	3	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)	1	3	-	-	-	-	8	2	-	-	-	-
Congenital malformations (750-759)	2	3	-	-	-	-	8	2	-	-	-	-
Birth injuries, postnatal asphyxia and other diseases of the newborn (763-769)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-769)	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases peculiar to early infancy, and immaturity unqualified (769-776)	-	-	-	-	-	-	-	-	-	-	-	-
Senility without mention of psychosis, ill-defined and unknown causes (780-799)	24	14	4	3	4	3	89	20	23	5	2	1
All other diseases (800-899)	66	23	5	3	2	3	68	53	4	11	5	5
Motor-vehicle accidents (8810-8835)	39	8	6	2	4	1	72	24	6	3	4	1
All other accidents (8800-8802, 8840-8962)	30	8	1	-	-	-	60	18	3	2	1	1
Suicide and self-inflicted injury (8905)	8	1	1	1	1	-	39	8	1	1	-	-
Homicide and operations of war (8964, 8965, 8980-8999)	12	4	5	1	1	-	16	1	6	-	-	-

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABSTRACTED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OULTONMA, 1964 (Continued)

Cause of Death	5-64 Years						65-74 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	1,925	876	138	127	45	38	2,912	1,703	204	190	64	58
Tuberculosis of respiratory system (001-008)	16	5	2	1	2	3	22	4	3	1	1	1
Tuberculosis, other forms (010-019)	1	1	1	1	1	1	1	1	1	1	1	1
Sputilla and its sequelae (020-029)	5	1	1	1	1	1	3	1	2	2	1	1
Typhoid fever (040)	1	1	1	1	1	1	1	1	1	1	1	1
Dysentery, all forms (045-048)	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet fever and streptococcal sore throat (050, 051, 052)	1	1	1	1	1	1	1	1	1	1	1	1
Diphtheria (053)	1	1	1	1	1	1	1	1	1	1	1	1
Whooping cough (056)	1	1	1	1	1	1	1	1	1	1	1	1
Hemolytic streptococcal infections (057)	1	1	1	1	1	1	1	1	1	1	1	1
Acute poliomyelitis (080)	1	1	1	1	1	1	1	1	1	1	1	1
Smallpox (085)	1	1	1	1	1	1	1	1	1	1	1	1
Typhus and other rickettsial diseases (100-108)	1	1	1	1	1	1	1	1	1	1	1	1
Malaria (110-117)	1	1	1	1	1	1	1	1	1	1	1	1
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	6	4	2	2	2	2	8	6	6	6	6	6
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	375	287	20	22	5	12	530	389	42	35	10	13
Benign and unspecified neoplasms (210-239)	9	4	2	1	1	1	4	4	2	1	2	3
Diabetes mellitus (260)	24	25	2	5	1	4	41	70	7	1	1	1
Amenorrhea (290-293)	1	1	1	1	1	1	1	1	1	1	1	1
Vascular (330-334)	135	80	11	15	5	5	134	242	28	33	6	12
Nonhematopoietic meningitis (340)	1	2	1	1	1	1	1	1	1	1	1	1
Rheumatic fever (400-402)	16	14	1	1	1	1	7	10	1	1	1	1
Chronic rheumatic heart disease (410-416)	769	207	31	26	14	6	1,145	556	43	44	17	8
Arteriosclerotic and degenerative heart disease (420-422)	46	11	7	7	2	1	73	27	5	5	4	4
Other diseases of heart (430-434)	25	22	7	10	2	2	56	59	13	17	5	1
Hypertension with heart disease (440-443)	3	3	3	4	1	1	10	17	3	7	1	1
Hypertension without mention of heart disease (444-447)	1	1	1	1	1	1	2	2	2	2	2	2
Influenza (480-483)	20	11	2	2	1	1	65	22	3	1	3	2
Pneumonia (490-493)	3	3	3	3	3	3	7	7	7	7	7	7
Bronchitis (500-502)	25	2	2	2	2	2	30	9	2	1	1	1
Ulcer of stomach and duodenum (540, 541)	4	4	1	1	1	1	4	1	1	1	1	1
Appendicitis (530-553)	8	3	1	2	1	1	8	15	1	1	1	1
Intestinal obstruction and hernia (560, 561, 570)	4	5	1	2	1	1	4	6	2	2	2	2
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 574, 575, 581)	28	16	4	4	1	1	24	12	2	1	2	2
Nephritis and nephrosis (590-594)	8	13	1	2	1	1	15	13	3	3	2	2
Hypertrophia of prostate (610)	2	1	1	1	1	1	15	1	1	1	1	1
Complications of pregnancy, childbirth and the puerperium (640-689)	3	1	1	1	1	1	2	2	2	2	2	2
Congenital malformations (750-759)	118	22	21	14	2	2	127	52	19	11	4	2
Birth injuries, postnatal asphyxia and atelectasis (760-762)	142	79	12	10	3	3	137	137	23	6	2	2
Infections of the newborn (783-788)	1	1	1	1	1	1	1	1	1	1	1	1
Other diseases of the newborn (789-795)	1	1	1	1	1	1	1	1	1	1	1	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	46	24	2	2	4	4	36	18	4	4	1	1
All other diseases (Residual)	52	16	10	10	4	4	42	21	4	4	2	2
Motor-vehicle accidents (E810-E835)	26	6	1	1	1	1	25	3	1	1	1	1
All other accidents (E800-E802, E840-E862)	5	3	2	2	1	1	5	1	1	1	1	1
Suicide and self-inflicted injury (E963, E970-E979)	1	1	1	1	1	1	1	1	1	1	1	1
Homicide and operations of war (E984, E985, E990-E999)	1	1	1	1	1	1	1	1	1	1	1	1

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABSTRACTED LIST OF 50 CAUSES, BY RACE, SEX, AND AGE, OULTONMA, 1964 (Continued)

Cause of Death	75-84 Years						85 Years and Over					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes	3,086	2,698	194	157	45	47	1,377	1,671	87	95	18	22
Tuberculosis of respiratory system (001-008)	12	12	1	1	1	1	1	1	1	1	1	1
Tuberculosis, other forms (010-019)	1	1	1	1	1	1	1	1	1	1	1	1
Sputilla and its sequelae (020-029)	4	3	1	1	1	1	1	1	1	1	1	1
Typhoid fever (040)	1	1	1	1	1	1	1	1	1	1	1	1
Dysentery, all forms (045-048)	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet fever and streptococcal sore throat (050, 051, 052)	1	1	1	1	1	1	1	1	1	1	1	1
Diphtheria (053)	1	1	1	1	1	1	1	1	1	1	1	1
Whooping cough (056)	1	1	1	1	1	1	1	1	1	1	1	1
Hemolytic streptococcal infections (057)	1	1	1	1	1	1	1	1	1	1	1	1
Acute poliomyelitis (080)	1	1	1	1	1	1	1	1	1	1	1	1
Smallpox (085)	1	1	1	1	1	1	1	1	1	1	1	1
Typhus and other rickettsial diseases (100-108)	1	1	1	1	1	1	1	1	1	1	1	1
Malaria (110-117)	1	1	1	1	1	1	1	1	1	1	1	1
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-138)	11	4	1	1	1	1	2	7	2	2	2	2
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	408	364	30	31	8	6	125	125	9	9	9	9
Benign and unspecified neoplasms (210-239)	6	6	1	1	1	1	1	1	1	1	1	1
Diabetes mellitus (260)	39	60	1	1	1	1	14	17	3	3	1	1
Amenorrhea (290-293)	1	1	1	1	1	1	1	1	1	1	1	1
Vascular (330-334)	585	531	35	24	11	9	269	370	14	20	5	3
Nonhematopoietic meningitis (340)	1	1	1	1	1	1	1	1	1	1	1	1
Rheumatic fever (400-402)	7	5	1	1	1	1	8	8	1	1	1	1
Chronic rheumatic heart disease (410-416)	1,102	901	49	40	13	11	477	513	21	29	4	5
Arteriosclerotic and degenerative heart disease (420-422)	97	74	9	9	4	4	42	53	3	3	1	1
Other diseases of heart (430-434)	104	109	11	12	4	4	60	88	1	9	1	2
Hypertension with heart disease (440-443)	28	20	2	4	1	1	17	26	3	3	1	1
Hypertension without mention of heart disease (444-447)	1	1	1	1	1	1	1	1	1	1	1	1
Influenza (480-483)	71	6	6	6	4	4	6	67	4	4	3	4
Pneumonia (490-493)	4	3	3	3	3	3	3	3	3	3	3	3
Bronchitis (500-502)	22	6	1	1	1	1	7	7	5	1	1	1
Ulcer of stomach and duodenum (540, 541)	1	1	1	1	1	1	1	1	1	1	1	1
Appendicitis (530-553)	22	18	3	3	1	1	9	13	1	1	1	1
Intestinal obstruction and hernia (560, 561, 570)	9	16	1	1	1	1	3	4	1	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 574, 575, 581)	6	3	5	5	1	1	2	2	1	1	1	1
Nephritis and nephrosis (590-594)	31	20	3	7	1	1	18	20	1	1	1	1
Hypertrophia of prostate (610)	36	3	3	3	3	3	21	21	1	1	1	1
Complications of pregnancy, childbirth and the puerperium (640-689)	1	1	1	1	1	1	1	1	1	1	1	1
Congenital malformations (750-759)	95	67	15	10	2	2	67	67	14	14	3	1
Birth injuries, postnatal asphyxia and atelectasis (760-762)	287	247	20	13	1	1	126	174	14	8	2	6
Infections of the newborn (783-788)	1	1	1	1	1	1	1	1	1	1	1	1
Other diseases of the newborn (789-795)	1	1	1	1	1	1	1	1	1	1	1	1
Senility without mention of psychosis, ill-defined and unknown causes (780-795)	22	12	3	2	1	1	2	2	2	2	2	2
All other diseases (Residual)	56	64	3	2	1	1	35	91	1	1	1	1
Motor-vehicle accidents (E810-E835)	11	11	1	1	1	1	1	1	1	1	1	1
All other accidents (E800-E802, E840-E862)	1	1	1	1	1	1	1	1	1	1	1	1
Suicide and self-inflicted injury (E963, E970-E979)	1	1	1	1	1	1	1	1	1	1	1	1
Homicide and operations of war (E984, E985, E990-E999)	2	1	1	1	1	1	1	1	1	1	1	1

TABLE IV. LEADING CAUSES OF DEATH, NUMBER AND PER CENT, BY AGE, SEX, BY AGE GROUP, OKLAHOMA, 1961

Cause of Death	All Races		White		Negro		Indian	
	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total
All Ages	22,972	100.0	20,604	100.0	1,806	100.0	565	100.0
Diseases of the heart (410-443)	8,038	35.0	7,456	35.2	212	25.5	122	21.6
Malignant neoplasms (140-205)	3,600	15.7	3,278	15.9	248	13.7	74	13.1
Vascular lesions of CNS (330-334)	2,906	12.6	2,644	12.8	205	11.4	57	10.1
Accidents (880-992)	1,226	5.3	1,178	5.7	112	6.2	11	2.0
Influenza and pneumonia (480-493)	988	4.3	978	4.7	51	2.8	30	5.3
Diseases of the respiratory system (470-479)	575	2.5	528	2.6	42	2.3	5	0.9
Diabetes mellitus (260) (750-759)	225	1.0	225	1.1	25	1.3	17	3.0
Neoplasms of the digestive system (150-159)	226	1.0	175	0.8	39	2.2	2	0.4
Neoplasms of the genitourinary system (180-189)	1,448	6.3	1,155	5.6	233	12.9	60	10.6
Accidents (880-992)	726	3.2	579	2.8	131	7.3	15	2.7
Non-hematopoietic neoplasms (140)	206	0.9	184	0.9	17	1.0	5	0.9
Accidents (880-992)	18	0.08	18	0.08	1	0.05	8	1.4
Gastritis, duodenitis, enteritis, and colitis, except distention of the stomach (570-579)	42	0.2	30	0.1	2	0.1	5	0.9
Non-hematopoietic neoplasms (140)	21	0.09	19	0.09	2	0.1	1	0.2
Bronchitis (500-502)	11	0.05	9	0.04	2	0.1	1	0.2
All Ages 5 - 14								
Accidents (880-992)	226	100.0	199	100.0	20	100.0	7	100.0
Malignant neoplasms (140-205)	104	46.0	99	49.7	2	10.0	1	14.3
Influenza and pneumonia (480-493)	17	7.5	16	7.8	1	5.0	1	14.3
Diseases of the heart (410-443)	8	3.5	7	3.5	1	5.0	1	14.3
Neoplasms of the respiratory system (470-479)	5	2.2	5	2.5	1	5.0	1	14.3
Neoplasms of the digestive system (150-159)	5	2.2	5	2.5	1	5.0	1	14.3
Neoplasms of the genitourinary system (180-189)	4	1.8	3	1.5	2	10.0	1	14.3
Menstrual (080)	4	1.8	3	1.5	2	10.0	1	14.3
All Ages 15 - 24								
Accidents (880-992)	390	100.0	324	100.0	27	100.0	1	100.0
Diseases of the heart (410-443)	262	67.2	228	69.4	6	22.2	24	82.8
Diabetes (260) (750-759)	20	5.1	18	5.4	1	3.7	1	3.4
Stroke (330-334)	13	3.3	13	4.0	1	3.7	1	3.4
Diseases of the heart (410-443)	13	3.3	13	4.0	1	3.7	1	3.4
Influenza and pneumonia (480-493)	7	1.8	7	2.1	1	3.7	1	3.4
Neoplasms of the respiratory system (470-479)	7	1.8	7	2.1	1	3.7	1	3.4
Neoplasms of the digestive system (150-159)	7	1.8	7	2.1	1	3.7	1	3.4
Neoplasms of the genitourinary system (180-189)	5	1.3	5	1.5	2	7.4	1	3.4
Congenital malformations (750-759)	5	1.3	2	0.6	2	7.4	1	3.4
All Ages 25 - 34								
Accidents (880-992)	490	100.0	335	100.0	71	100.0	24	100.0
Malignant neoplasms (140-205)	132	33.8	129	36.2	18	25.4	2	8.3
Stroke (330-334)	36	9.2	35	10.0	4	5.6	2	8.3
Diabetes (260) (750-759)	29	7.4	28	8.2	1	1.4	1	4.2
Neoplasms of the respiratory system (470-479)	29	7.4	28	8.2	1	1.4	1	4.2
Neoplasms of the digestive system (150-159)	26	6.6	24	6.8	1	1.4	1	4.2
Neoplasms of the genitourinary system (180-189)	13	3.3	12	3.5	1	1.4	1	4.2
Neoplasms of the respiratory system (470-479)	12	3.0	11	3.1	1	1.4	1	4.2
Neoplasms of the digestive system (150-159)	11	2.7	9	2.5	3	4.2	1	4.2
Neoplasms of the genitourinary system (180-189)	11	2.7	10	2.8	1	1.4	1	4.2
All Ages 35 - 44								
Diseases of the heart (410-443)	864	100.0	721	100.0	91	100.0	42	100.0
Malignant neoplasms (140-205)	188	21.8	174	23.8	11	12.1	3	7.1
Stroke (330-334)	133	15.3	122	16.6	16	17.6	5	11.9
Diabetes (260) (750-759)	103	11.9	95	13.1	10	11.1	1	2.4
Neoplasms of the respiratory system (470-479)	39	4.5	38	5.2	5	5.5	1	2.4
Neoplasms of the digestive system (150-159)	29	3.4	24	3.3	5	5.5	1	2.4
Neoplasms of the genitourinary system (180-189)	29	3.4	24	3.3	5	5.5	1	2.4
Neoplasms of the respiratory system (470-479)	17	2.0	16	2.2	1	1.1	1	2.4
Neoplasms of the digestive system (150-159)	17	2.0	16	2.2	1	1.1	1	2.4
Neoplasms of the genitourinary system (180-189)	15	1.7	13	1.8	2	2.2	2	4.8
All Ages 45 - 54								
Diseases of the heart (410-443)	5,071	100.0	4,446	100.0	427	100.0	148	100.0
Malignant neoplasms (140-205)	1,806	36.0	1,655	37.1	113	26.5	38	25.7
Stroke (330-334)	1,186	23.4	1,051	23.6	68	15.9	29	19.6
Diabetes (260) (750-759)	329	6.5	280	6.3	38	8.9	17	11.2
Cirrhosis of the liver (580)	329	6.5	280	6.3	38	8.9	17	11.2
Cirrhosis of the liver (581)	97	1.9	87	2.0	4	0.9	6	4.1
Neoplasms of the respiratory system (470-479)	89	1.8	86	1.9	15	3.5	5	3.4
Neoplasms of the digestive system (150-159)	89	1.8	86	1.9	15	3.5	5	3.4
Neoplasms of the genitourinary system (180-189)	53	1.1	49	1.1	2	0.5	2	1.4
Neoplasms of the respiratory system (470-479)	53	1.1	49	1.1	2	0.5	2	1.4
Neoplasms of the digestive system (150-159)	53	1.1	49	1.1	2	0.5	2	1.4
Neoplasms of the genitourinary system (180-189)	41	0.8	37	0.8	2	0.5	2	1.4
All Ages 55 and over								
Diseases of the heart (410-443)	14,588	100.0	13,377	100.0	927	100.0	254	100.0
Malignant neoplasms (140-205)	4,130	28.3	3,571	26.7	327	34.9	109	42.9
Stroke (330-334)	2,921	20.0	2,721	19.6	154	16.6	46	18.1
Diabetes (260) (750-759)	2,134	14.6	1,961	14.5	156	16.8	37	14.6
Diseases of the respiratory system (470-479)	1,426	9.8	1,311	9.8	105	11.3	32	12.6
Influenza and pneumonia (480-493)	426	2.9	400	2.9	19	2.0	7	2.8
Neoplasms of the respiratory system (470-479)	419	2.9	381	2.8	21	2.3	17	6.7
Neoplasms of the digestive system (150-159)	268	1.8	241	1.8	20	2.2	7	2.8
Neoplasms of the genitourinary system (180-189)	268	1.8	241	1.8	19	2.0	5	2.0

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEPARTS BY IMPORTANT CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1961

Cause of Death	Total		AMER		Race		Total		ASIAN		Race		Total		AFRO		Race		
	No.	Rate	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	No.	Rate	Wh.	Neg.	No.	Rate	
Live births*	320	22.1	162	15.6	158	14.8	112	12.0	113	11.3	186	18.5	159	21	12	178	18.5	159	21
Physician in hospital	312	21.6	156	15.2	156	14.8	112	12.0	113	11.3	186	18.5	159	21	12	178	18.5	159	21
Physician not in hospital	4	0.3	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4
Midwife, other, or unknown	4	0.3	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4
Strikethrough	4	0.3	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4
Physician not in hospital	4	0.3	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4
Midwife, other, or unknown	4	0.3	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4	0.4	4
Deaths under 1 year*	164	11.8	118	11.8	46	4.6	109	11.6	109	11.6	119	11.9	105	9	5	119	11.9	105	9
Deaths under 1 month	11	34.4	8	25.0	3	1.0	8	8.8	8	8.8	8	43.0	7	1	1	8	43.0	7	1
Deaths under 1 week	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Tuberculosis, other forms (000-019)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Syphilis and its sequelae (020-029)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Typhoid fever (040)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Dysentery, all forms (045-048)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Scarlet fever (050-051)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Diphtheria (055)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Whooping cough (056)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Measles (060)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Scarlet fever (050-051)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2	6.3	2
Measles (060)	6	43.2	2	6.3	4	12.5	2	6.3	2	6.3	2	6.3	2	6.3					

TABLE V. RESIDENT DEATHS, DEATHS AND DEATHS BY REPORTABLE CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY COUNTY AND RACE, OMAHA, 1961 (Continued)

Estimated population, July 1, 1961	CONAHE						COTTON						CRANE					
	Total		Race		Total		Race		Total		Race		Total		Race			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
Live births	2,954	31.3	2,535	30.9	110	120	15.2	108	4	8	227	13.0	204	15	8	8		
Physician in hospital	2,924	31.1	2,523	30.9	110	117	15.2	106	4	8	224	13.0	204	15	8	8		
Physician not in hospital	17	0.2	12	0.1	1	1	0.1	1	0	0	3	0.1	1	0	0	0		
Physician in or out of hospital	38	0.4	34	0.4	2	2	0.2	2	0	0	7	0.3	6	0	0	0		
Physician in hospital	38	0.4	34	0.4	2	2	0.2	2	0	0	7	0.3	6	0	0	0		
Physician not in hospital	1	0.0	1	0.0	0	0	0.0	0	0	0	0	0.0	0	0	0	0		
Midwife, other, or unknown	506	5.4	432	5.3	57	96	12.2	90	3	3	183	10.5	174	5	4	4		
Deaths under 1 year	67	0.7	22	0.3	12	3	0.3	1	1	1	13	0.7	12	0	0	0		
Deaths under 1 month	52	0.6	17	0.2	5	1	0.1	1	1	1	4	0.2	4	0	0	0		
Rheumatoid, other forms (001-008)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Rheumatoid, other forms (001-008)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Syphilis and Treponema (050-059)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Dysentery, all forms (045-048)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Scarlet fever and streptococcal sore throat (050, 051)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Diphtheria (053)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Whooping cough (056)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Measles (057)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Acute poliomyelitis (080)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Smallpox (084)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Heatstroke (085)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Dyspepsia and other rickety diseases (100-109)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Maleria (110-117)	1	0.0	1	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-189)	2	0.0	2	0.0	1	1	0.1	1	0	0	1	0.0	1	0	0	0		
Lymphatic and hematopoietic tissues (140-205)	69	0.7	65	0.8	3	16	20.3	15	1	1	18	10.2	17	1	1	1		
Benign and unspecified neoplasms (210-239)	4	0.0	4	0.0	4	4	0.0	4	0	0	4	0.0	4	0	0	0		
Diphtheria (053)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Whooping cough (056)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Measles (057)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Acute poliomyelitis (080)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Smallpox (084)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Heatstroke (085)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Dyspepsia and other rickety diseases (100-109)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
Maleria (110-117)	2	0.0	2	0.0	2	2	0.0	2	0	0	2	0.0	2	0	0	0		
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-189)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Lymphatic and hematopoietic tissues (140-205)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Benign and unspecified neoplasms (210-239)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Diphtheria (053)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Whooping cough (056)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Measles (057)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Acute poliomyelitis (080)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Smallpox (084)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Heatstroke (085)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Dyspepsia and other rickety diseases (100-109)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
Maleria (110-117)	11	0.1	11	0.1	11	11	0.1	11	0	0	11	0.1	11	0	0	0		
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-189)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Lymphatic and hematopoietic tissues (140-205)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Benign and unspecified neoplasms (210-239)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Diphtheria (053)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Whooping cough (056)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Measles (057)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Acute poliomyelitis (080)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Smallpox (084)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Heatstroke (085)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Dyspepsia and other rickety diseases (100-109)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Maleria (110-117)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-189)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Lymphatic and hematopoietic tissues (140-205)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Benign and unspecified neoplasms (210-239)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Diphtheria (053)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Whooping cough (056)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Measles (057)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Acute poliomyelitis (080)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Smallpox (084)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Heatstroke (085)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Dyspepsia and other rickety diseases (100-109)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Maleria (110-117)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-189)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Lymphatic and hematopoietic tissues (140-205)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Benign and unspecified neoplasms (210-239)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Diphtheria (053)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Whooping cough (056)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Measles (057)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Acute poliomyelitis (080)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Smallpox (084)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Heatstroke (085)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Dyspepsia and other rickety diseases (100-109)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
Maleria (110-117)	137	1.4	123	1.5	14	24	29.4	24	1	1	43	24.5	43	1	1	1		
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 120-189)	137																	

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY PROMINENT CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY RACE, OKLAHOMA, 1961
(Continued)

Estimated population, July 1, 1961	DEWEY						ELLIS						GARFIELD									
	Total		Race		Race		Total		Race		Race		Total		Race		Race					
	No.	Rate	Wh.	Neg.	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.	No.	Rate	Wh.	Neg.				
Live births*	95	15.3	88	6	77	13.4	72	1,140	21.5	1,077	57	6	1,140	21.5	1,077	57	6	1,140	21.5	1,077	57	6
Physician in hospital	16	2.6	13	3	11	1.8	5	6	1.0	6	1	1	6	1.0	6	1	1	6	1.0	6	1	1
Midwife, other, or unknown	3	0.5	3	0	3	0.5	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0
Stillbirths†	3	0.5	3	0	3	0.5	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0
Physician in hospital	2	0.3	2	0	2	0.3	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0
Physician not in hospital	1	0.2	1	0	1	0.2	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0
Midwife, other, or unknown	0	0.0	0	0	0	0.0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0
Stillbirths†	0	0.0	0	0	0	0.0	0	0	0.0	0	0	0	0	0.0	0	0	0	0	0.0	0	0	0
Deaths under 1 year*	87	14.0	86	1	65	11.3	65	529	10.0	514	13	2	529	10.0	514	13	2	529	10.0	514	13	2
Deaths under 1 month	17	3.0	17	0	17	3.0	0	10	1.8	10	0	0	10	1.8	10	0	0	10	1.8	10	0	0
Respiratory system (001-008)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Heart disease (010-019)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Stroke (020-029)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Diabetes (030-039)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Neoplasms, other forms (040-049)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Scarlet fever and streptococcal sore throat (050-051)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Diphtheria (052)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Whooping cough (056)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Acute poliomyelitis (057)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Smallpox (064)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Measles (085)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Scarlet fever and streptococcal sore throat (086)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
Malaria (110-117)	1	0.2	1	0	1	0.2	0	1	0.2	1	0	0	1	0.2	1	0	0	1	0.2	1	0	0
All other diseases classified as infectious and parasitic (090-099, 041, 042, 044, 045, 035-039, 059-074, 081-083, 084-090, 120, 130)	2	0.3	2	0	2	0.3	0	2	0.3	2	0	0	2	0.3	2	0	0	2	0.3	2	0	0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-203)	13	20.2	13	0	15	26.1	15	98	18.5	98	0	0	98	18.5	98	0	0	98	18.5	98	0	0
Brain and unspecified neoplasms (210-239)	1	1.6	1	0	1	1.6	0	1	1.6	1	0	0	1	1.6	1	0	0	1	1.6	1	0	0
Neoplasms (290-293)	1	1.6	1	0	1	1.6	0	1	1.6	1	0	0	1	1.6	1	0	0	1	1.6	1	0	0
Vascular lesions affecting central nervous system (330-334)	16	25.3	16	0	6	10.4	6	66	12.4	66	0	0	66	12.4	66	0	0	66	12.4	66	0	0
Nonmeningeal meningitis (340)	1	1.6	1	0	1	1.6	0	1	1.6	1	0	0	1	1.6	1	0	0	1	1.6	1	0	0
Menstrual fever (400-402)	1	1.6	1	0	1	1.6	0	1	1.6	1	0	0	1	1.6	1	0	0	1	1.6	1	0	0
Arteriosclerotic and degenerative heart disease (420-422)	22	35.4	21	1	14	24.4	14	177	33.4	169	7	1	177	33.4	169	7	1	177	33.4	169	7	1
Other diseases of heart (430-434)	8	12.8	8	0	5	8.7	5	14	26.5	14	0	0	14	26.5	14	0	0	14	26.5	14	0	0
Hypertension with heart disease (440-443)	5	8.0	5	0	6	10.4	6	15	28.3	14	1	0	15	28.3	14	1	0	15	28.3	14	1	0
Other diseases without mention of heart (444-447)	4	6.4	4	0	2	3.4	2	3	5.7	2	1	0	3	5.7	2	1	0	3	5.7	2	1	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	8	15.1	8	0	0	8	15.1	8	0	0	8	15.1	8	0	0
Pneumonia (480-483)	4	6.4	4	0	3	5.7	3	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Bronchitis (500-502)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Other diseases of respiratory system (540, 541)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (860-869)	4	6.4	4	0	1	1.7	1	2	3.4	2	0	0	2	3.4	2	0	0	2	3.4	2	0	0
Intentional self-inflicted injury (8																						

TABLE V. RESTRICTED BIRTHS, DEATHS, AND DEATHS BY IMPROPER CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1961 (Continued)

Estimated population, July 1, 1961	GREER				HARMON				HARTER			
	Total		Race		Total		Race		Total		Race	
	No.	Rate	No.	Ind.	No.	Rate	No.	Ind.	No.	Rate	No.	Ind.
Live births	9,282	14.8	134	11	5,425	25.6	113	23	5,992	21.6	128	1
Physician in hospital	145	1.5	134	11	139	2.6	106	18	129	2.6	126	1
Physician not in hospital	3	0.03	0	0	8	0.15	4	2	6	0.12	2	0
Stillbirths	3	0.03	3	0	6	0.12	4	1	2	0.04	1	0
Physician in hospital	3	0.03	3	0	5	0.1	4	1	1	0.02	1	0
Physician not in hospital	0	0	0	0	1	0.02	1	0	1	0.02	0	0
Midwife, other, or unknown	115	1.2	111	4	176	3.2	67	5	56	1.1	56	1
Deaths under 1 year	6	0.06	6	1	8	0.15	3	1	6	0.12	6	0
Deaths under 1 month	6	0.06	6	1	4	0.08	3	1	6	0.12	6	0
Respiratory system (000-008)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Pneumonia, other forms (000-019)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Pharyngitis, all forms (000-029)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Scarlet fever and streptococcal sore throat (000, 011)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Diphtheria (000, 012)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Whooping cough (065)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Acute poliomyelitis (057)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Smallpox (084)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Measles (085)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Typhus and other rickettsial diseases (100-109)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Relapsing fever (100-117)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 046, 052-054, 059-074, 081-083, 086-096, 100-109)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-203)	19	0.2	18	1	9	0.17	9	1	9	0.17	9	1
Benign and unspecified neoplasms (210-239)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Brain and meninges (240)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Neuromuscular system (250-283)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Vascular lesions affecting central nervous system (330-334)	21	0.22	20	1	7	0.13	7	1	11	0.21	11	1
Nonmalignant meningitis (340)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Rheumatic fever (400-402)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Chorea (400-403)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Arteriosclerotic and degenerative heart disease (420-422)	41	0.44	40	1	27	0.5	26	1	11	0.21	11	1
Other diseases of heart (430-434)	3	0.03	3	0	3	0.06	3	0	2	0.04	2	0
Hypertension with heart disease (440-443)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Hypertension without mention of heart disease (440-447)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Intestinal obstruction and hernia (560-561, 570)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-571, 572)	1	0.01	1	0	3	0.06	3	0	1	0.02	1	0
Neuritis and neuritis (590-596)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Hypertrophy of prostate (610)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Complications of pregnancy, childbirth and the puerperium (640-689)	1	0.01	1	0	1	0.02	1	0	3	0.06	3	0
Congenital malformations (750-759)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Blindness (760-762)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Deafness of the newborn (763-768)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Other diseases peculiar to early infancy and immaturely unqualified (769-776)	3	0.03	3	0	2	0.04	2	0	2	0.04	2	0
Scarlet fever and streptococcal sore throat (000, 011)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Whooping cough (065)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Acute poliomyelitis (057)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Smallpox (084)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Measles (085)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Typhus and other rickettsial diseases (100-109)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Relapsing fever (100-117)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 046, 052-054, 059-074, 081-083, 086-096, 100-109)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-203)	21	0.22	19	1	29	0.55	24	3	2	0.04	2	0
Benign and unspecified neoplasms (210-239)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Brain and meninges (240)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Neuromuscular system (250-283)	19	0.2	16	2	26	0.48	19	3	4	0.07	4	0
Vascular lesions affecting central nervous system (330-334)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Nonmalignant meningitis (340)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Rheumatic fever (400-402)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Chorea (400-403)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Arteriosclerotic and degenerative heart disease (420-422)	25	0.26	24	1	68	1.25	65	3	3	0.06	3	0
Other diseases of heart (430-434)	8	0.08	8	0	4	0.08	4	0	1	0.02	1	0
Hypertension with heart disease (440-443)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Hypertension without mention of heart disease (440-447)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Intestinal obstruction and hernia (560-561, 570)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-571, 572)	1	0.01	1	0	3	0.06	3	0	1	0.02	1	0
Neuritis and neuritis (590-596)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Hypertrophy of prostate (610)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Complications of pregnancy, childbirth and the puerperium (640-689)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Congenital malformations (750-759)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Blindness (760-762)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Deafness of the newborn (763-768)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Other diseases peculiar to early infancy and immaturely unqualified (769-776)	2	0.02	2	0	2	0.04	2	0	2	0.04	2	0
Scarlet fever and streptococcal sore throat (000, 011)	4	0.04	4	0	4	0.08	4	0	4	0.08	4	0
Whooping cough (065)	6	0.06	6	0	6	0.12	6	0	6	0.12	6	0
Acute poliomyelitis (057)	4	0.04	4	0	4	0.08	4	0	4	0.08	4	0
Smallpox (084)	4	0.04	4	0	4	0.08	4	0	4	0.08	4	0
Measles (085)	4	0.04	4	0	4	0.08	4	0	4	0.08	4	0
Typhus and other rickettsial diseases (100-109)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Relapsing fever (100-117)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 046, 052-054, 059-074, 081-083, 086-096, 100-109)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-203)	21	0.22	19	1	29	0.55	24	3	2	0.04	2	0
Benign and unspecified neoplasms (210-239)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Brain and meninges (240)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Neuromuscular system (250-283)	19	0.2	16	2	26	0.48	19	3	4	0.07	4	0
Vascular lesions affecting central nervous system (330-334)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Nonmalignant meningitis (340)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Rheumatic fever (400-402)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Chorea (400-403)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Arteriosclerotic and degenerative heart disease (420-422)	25	0.26	24	1	68	1.25	65	3	3	0.06	3	0
Other diseases of heart (430-434)	8	0.08	8	0	4	0.08	4	0	1	0.02	1	0
Hypertension with heart disease (440-443)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Hypertension without mention of heart disease (440-447)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Intestinal obstruction and hernia (560-561, 570)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-571, 572)	1	0.01	1	0	3	0.06	3	0	1	0.02	1	0
Neuritis and neuritis (590-596)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Hypertrophy of prostate (610)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Complications of pregnancy, childbirth and the puerperium (640-689)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Congenital malformations (750-759)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Blindness (760-762)	1	0.01	1	0	1	0.02	1	0	1	0.02	1	0
Deafness of the newborn (763-768)	1	0.01	1	0	1							

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY RACE, OKLAHOMA, 1961 (Continued)

Estimated population, July 1, 1961	KENTON						MAJOR						MARSHALL					
	Total		Race		Total		Race		Total		Race		Total		Race			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
Live births*	225	17.2	160	3.4	31	119	14.5	118	131	17.8	116	5	10	10	10	10		
Physician not in hospital	188	14.4	144	3.1	31	117	14.5	116	116	17.8	116	2	10	10	10	10		
Physician in hospital	33	2.6	15	1.8	1	2	2.6	2	9	13.6	10	2	10	10	10	10		
Midwife, other, or unknown	4	0.3	1	0.1	1	2	2.6	2	4	6.2	3	1	1	1	1	1		
Stillbirths	2	0.2	1	0.1	1	2	2.6	2	7.6	11.6	1	1	1	1	1	1		
Physician not in hospital	2	0.2	1	0.1	1	1	1.3	1	1	1.5	1	1	1	1	1	1		
Midwife, other, or unknown	129	9.9	105	2.4	7	76	9.3	76	102	13.9	97	3	2	2	2	2		
Total deaths, all causes*	4	0.3	2	0.2	2	16.8	2	16.8	2	2.8	2	1	1	1	1	1		
Deaths under 1 year	2	1.5	1	0.1	1	16.8	2	16.8	2	2.8	2	1	1	1	1	1		
Deaths under 1 month	2	1.5	1	0.1	1	16.8	2	16.8	2	2.8	2	1	1	1	1	1		
Ruberculosis, other forms (010-019)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Rheumatoid arthritis (010-029)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Syphilis and its sequelae (020-029)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Typhoid fever (040)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Dysentery, all forms (045-048)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Dysentery, unspecified (045-048)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Diphtheria (055)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Whooping cough (056)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Meningococcal infections (057)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Acute poliomyelitis (080)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Scarlet fever (085)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Typhus and other rickettsial diseases (100-108)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Malaria (110-117)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
All other diseases, unspecified (120-138)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
All other diseases, unspecified (120-138)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues*	22	16.8	16	5	1	11	13.4	11	15	20.4	14	1	1	1	1	1		
Benign and unspecified neoplasms (210-239)	5	3.8	3	2	2	24.4	2	24.4	2	2.7	2	2	2	2	2	2		
Diabetes mellitus (260)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Anemia (290-293)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Vascular lesions affecting central nervous system (330-336)	24	18.3	21	2	1	7	8.5	7	19	25.8	19	1	1	1	1	1		
Neuritis, unspecified (340)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Rheumatic fever (400-402)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Chronic rheumatic heart disease (410-416)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Arteriosclerotic and degenerative heart disease (420-422)	36	27.1	32	1	3	27	32.8	27	42	57.6	42	1	1	1	1	1		
Other diseases of heart disease (440-443)	3	2.2	3	1	1	1	12.2	2	1	1.3	1	1	1	1	1	1		
Hypertension without mention of heart (444-447)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Influenza (480-483)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Pneumonia (500-502)	4	3.0	3	1	1	13.6	1	13.6	1	1.6	1	1	1	1	1	1		
Pneumonia, unspecified (500-502)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Ulcer of stomach and duodenum (540, 541)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Appendicitis (550-553)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Intestinal obstruction and hernia (560, 561, 570)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Other unspecified diseases of the stomach (571, 572)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Cirrhosis of liver (581)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Nephritis and nephrosis (590-594)	3	2.2	2	1	1	12.2	1	12.2	1	1.3	1	1	1	1	1	1		
Hypertrophy of prostate (610)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Other unspecified diseases of the urinary system (640-689)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Congenital malformations (750-759)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Infections of the newborn (780-788)	1	0.8	1	0.1	1	7.6	1	7.6	1	1.5	1	1	1	1	1	1		
Birth injuries, postnatal asphyxia and atelectasis (760-762)	1	0.8	1	0.1	1	7.6	1	7.6	1									

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

Estimated population, July 1, 1961	NOBLE				NOWATA				OKFUSKEE			
	Total		Race		Total		Race		Total		Race	
	No.	Rate	No.	Ind.	No.	Rate	No.	Ind.	No.	Rate	No.	Ind.
Live births*	224	20.3	199	6	19	18.3	171	17	221	17.8	149	38
Physician in hospital	206	184	17	1	187	170	17	207	16.1	146	34	
Physician not in hospital	17	1.5	1	1	1	1	1	6	0.5	2	0.5	
Midwife, other, or unknown	4	0.4	3	1	3	16.0	2	2	0.2	1	0.2	
Physician in hospital	4	0.4	3	1	3	16.0	2	2	0.2	1	0.2	
Physician not in hospital	4	0.4	3	1	3	16.0	2	2	0.2	1	0.2	
Midwife, other, or unknown	12	1.1	11	2	11	10.2	13	13	1.0	10	0.8	
Deaths under 1 year*	4	0.4	2	1	2	16.0	2	2	0.2	1	0.2	
Deaths under 1 month	2	0.2	1	1	1	9.7	1	1	0.1	1	0.1	
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	
Respiratory system (001-008)	-	-	-	-	-	-	-	-	-	-	-	
Spinal fever (060)	-	-	-	-	-	-	-	-	-	-	-	
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	
Diphtheria (035)	-	-	-	-	-	-	-	-	-	-	-	
Whooping cough (045)	-	-	-	-	-	-	-	-	-	-	-	
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	
Typhus and other rickettsial diseases (100-109)	-	-	-	-	-	-	-	-	-	-	-	
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 099-139)	-	-	-	-	-	-	-	-	-	-	-	
Lymphatic and hematopoietic tissues (140-205)	23	2.08	23	-	27	262.3	21	6	27	217.0	17	3
Benign and unspecified neoplasms (210-239)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-
Diabetes mellitus (260)	3	0.3	2	1	4	38.2	4	-	4	3.1	4	-
Other diseases of the circulatory system (330-334)	15	1.35	15	-	15	145.7	14	-	15	120.5	12	-
Nonmenstrual meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	-	-	-	-	-	-	-	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis and degenerative diseases (420-422)	34	3.07	34	-	33	320.6	30	-	48	385.7	38	-
Other diseases of heart (430-434)	4	0.4	3	1	3	29.1	3	-	12	96.4	8	-
Hypertension with heart disease (440-443)	4	0.4	3	1	2	19.4	1	-	2	16.1	1	-
Hypertension without mention of heart disease (460-463)	-	-	-	-	-	-	-	-	-	-	-	-
Influenza (480-483)	2	0.2	2	-	2	19.4	2	-	1	8.0	1	-
Pneumonia (490-493)	18	1.6	18	-	18	173.1	18	-	18	143.1	18	-
Bronchitis (500-502)	2	0.2	2	-	2	19.4	2	-	3	24.1	2	-
Ulcer of stomach and duodenum (540, 541)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis (530-532)	-	-	-	-	-	-	-	-	-	-	-	-
Peritonitis (540-542)	-	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and hernia (560, 561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-
Cirrhosis and other diseases of the liver (570-574)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-
Nephritis and nephrosis (580-596)	-	-	-	-	-	-	-	-	-	-	-	-
Hypertension of prostate (610)	-	-	-	-	-	-	-	-	-	-	-	-
Complications of pregnancy, childbirth and the puerperium (640-689)**	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (730-739)	-	-	-	-	-	-	-	-	-	-	-	-
Retrolental fibroplasia (separate and included in 760-762)	-	-	-	-	-	-	-	-	-	-	-	-
Infections of the newborn (763-768)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-
Other diseases peculiar to early infancy and immaturely unqualified (769-776)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-
Senility without mention of psychosis, 111-113	10	0.9	9	1	9	86.6	5	-	9	72.3	6	-
All other diseases (Residual) (800-835)	11	0.9	11	-	11	106.9	10	-	16	128.6	11	-
Motor-vehicle accidents (E810-E835)	3	0.3	3	-	3	28.6	3	-	3	24.1	3	-
All other accidents (E800-E809, E840-E862)	5	0.5	4	1	4	48.6	5	-	4	32.1	4	-
Suicide and self-inflicted injury (E895)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-
Homicide and execution of war (E896, E965, E980-E999)	1	0.1	1	-	1	9.7	1	-	1	0.1	1	-

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

Estimated population, July 1, 1961	OKMULGEE				OSAGE			
	Total		Race		Total		Race	
	No.	Rate	No.	Ind.	No.	Rate	No.	Ind.
Live births*	463	70.5	463	705	11,282	24.3	9,479	1,574
Physician in hospital	428	65.5	428	655	11,222	24.3	9,428	1,565
Physician not in hospital	24	3.6	24	37	24	0.3	24	0.3
Midwife, other, or unknown	11	1.6	11	16	138	12.2	100	35
Physician in hospital	11	1.6	11	16	132	12.2	95	34
Physician not in hospital	11	1.6	11	16	11	0.1	4	0.1
Midwife, other, or unknown	3,563	52.1	3,141	392	3,563	52.1	3,141	392
Deaths under 1 year*	23	3.4	23	34	23	0.3	23	0.3
Deaths under 1 month	18	2.6	18	27	18	0.2	18	0.2
Tuberculosis, other forms (010-019)	1	0.1	1	1	1	0.01	1	0.01
Respiratory system (001-008)	1	0.1	1	1	1	0.01	1	0.01
Spinal fever (060)	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-
Diphtheria (035)	-	-	-	-	-	-	-	-
Whooping cough (045)	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-109)	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-
All other diseases classified as infectious and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 099-139)	12	1.7	12	18	12	0.1	12	0.1
Lymphatic and hematopoietic tissues (140-205)	562	81.7	509	764	562	6.2	509	7.2
Benign and unspecified neoplasms (210-239)	1	0.1	1	1	1	0.01	1	0.01
Diabetes mellitus (260)	30	4.3	30	44	30	0.3	30	0.3
Other diseases of the circulatory system (330-334)	6	0.9	6	9	6	0.07	6	0.07
Nonmenstrual meningitis (340)	407	57.5	381	546	407	4.6	381	5.3
Rheumatic fever (400-402)	10	1.4	10	14	10	0.1	10	0.1
Chronic rheumatic heart disease (410-416)	17	2.3	17	24	17	0.2	17	0.2
Arteriosclerosis and degenerative diseases (420-422)	848	116.5	815	1,164	848	9.5	815	11.1
Other diseases of heart (430-434)	73	10.0	73	103	73	0.8	73	1.0
Hypertension with heart disease (440-443)	85	11.7	85	118	85	0.9	85	1.1
Hypertension without mention of heart disease (460-463)	19	2.6	19	26	19	0.2	19	0.2
Influenza (480-483)	2	0.3	2	3	2	0.02	2	0.02
Pneumonia (490-493)	75	10.3	75	103	75	0.8	75	1.0
Bronchitis (500-502)	2	0.3	2	3	2	0.02	2	0.02
Ulcer of stomach and duodenum (540, 541)	32	4.4	31	43	32	0.4	31	0.4
Appendicitis (530-532)	4	0.5	4	6	4	0.04	4	0.05
Peritonitis (540-542)	18	2.4	18	25	18	0.2	18	0.2
Appendicitis and hernia (560, 561, 570)	9	1.2	9	12	9	0.1	9	0.1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	9	1.2	9	12	9	0.1	9	0.1
Cirrhosis and other diseases of the liver (570-574)	7	0.9	7	9	7	0.08	7	0.09
Nephritis and nephrosis (580-596)	37	5.0	37	50	37	0.4	37	0.5
Hypertension of prostate (610)	7	0.9	7	9	7	0.08	7	0.09
Complications of pregnancy, childbirth and the puerperium (640-689)**	7	0.9	7	9	7	0.08	7	0.09
Congenital malformations (730-739)	61	8.3	54	74	61	0.7	54	0.7
Retrolental fibroplasia (separate and included in 760-762)	71	9.6	55	74	71	0.8	55	0.7
Infections of the newborn (763-768)	15	2.0	15	20	15	0.1	15	0.2
Other diseases peculiar to early infancy and immaturely unqualified (769-776)	92	12.5	88	118	92	1.0	88	1.1
Senility without mention of psychosis, 111-113	390	52.4	361	487	390	4.4	361	4.8
All other diseases (Residual) (800-835)	116	15.7	100	134	116	1.3	100	1.3
Motor-vehicle accidents (E810-E835)	143	19.3	127	168	143	1.6	127	1.6
All other accidents (E800-E809, E840-E862)	34	4.6	33	44	34	0.4	33	0.4
Suicide and self-inflicted injury (E895)	7	0.9	7	9	7	0.08	7	0.09
Homicide and execution of war (E896, E965, E980-E999)	20	2.7	12	16	20	0.2	12	0.1

TABLE V. RESIDING PATIENTS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY RACE, OKLAHOMA, 1961 (Continued)

Estimated population, July 1, 1961	TEXAS			TULSA			TULSA		
	Total			Total			Total		
	No.	Rate	Ind.	No.	Rate	Ind.	No.	Rate	Ind.
Live births*	16,092	19.6	313	15,787	21.0	332	345,138	22.4	489
Physician in hospital	313	0.2	313	352	0.2	352	7,728	0.01	773
Physician not in hospital	313	0.2	313	352	0.2	352	6,709	0.01	671
Midwife, other, or unknown	2	0.0	2	2	0.0	2	47	0.0	47
Stillbirths*	2	0.0	2	9	0.0	9	11	0.0	11
Physician in hospital	2	0.0	2	7	0.0	7	70	0.0	70
Physician not in hospital	2	0.0	2	3	0.0	3	19	0.0	19
Midwife, other, or unknown	2	0.0	2	3	0.0	3	67	0.0	67
Total deaths, all causes*	127	0.8	127	188	1.2	188	2,890	1.8	2,890
Deaths under 1 year*	7	0.0	7	165	1.0	165	8,422	5.2	8,422
Deaths under 1 month	6	0.0	6	18.1	0.1	18.1	145	0.9	145
Tuberculosis of respiratory system (001-008)	6	0.0	6	12.0	0.0	12.0	14	0.0	14
Phthisis and its sequela (010-019)	5	0.0	5	2	0.0	2	4	0.0	4
Spontaneous bacterial empyema (020-029)	5	0.0	5	2	0.0	2	5	0.0	5
Dysentery, all forms (045-048)	5	0.0	5	1.4	0.0	1.4	3	0.0	3
Scarlet fever and streptococcal sore throat (050, 051)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (055)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (060)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poliomyelitis (080)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Smallpox (086)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Measles (088)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Scarlet fever and streptococcal sore throat (090, 091)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Diphtheria (095)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Whooping cough (098)	5	0.0	5	1.4	0.0	1.4	2	0.0	2
Acute poli									

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1961 (Continued)

Estimated population, July 1, 1961	MOORE						MORFORD					
	Total		Race		Race		Total		Race		Race	
	No.	Rate	Wh.	Neg.	Wh.	Neg.	No.	Rate	Wh.	Neg.	Wh.	Neg.
Live births*	243	18.5	243	-	277	20.3	277	20.3	277	-	277	-
Physician in hospital	242	...	242	-	271	...	271	...	271	-	271	-
Physician not in hospital	1	...	1	-	6	...	6	...	6	-	6	-
Physician under 1 year*	2	...	2	-	5	...	5	...	5	-	5	-
Stillbirths*	2	8.2	2	-	3	10.8	3	10.8	3	-	3	-
Physician in hospital	2	...	2	-	3	...	3	...	3	-	3	-
Physician not in hospital	...	...	...	-	...	...	...	...	...	-	...	-
Midwife, other, or unknown	13	10.0	13	-	15	11.0	15	11.0	15	-	15	-
Deaths under 1 month	3	20.6	3	-	4	14.4	4	14.4	4	-	4	-
Deaths under 1 year*	5	12.3	5	-	4	14.4	4	14.4	4	-	4	-
Tuberculosis, other forms (010-019)	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis, other forms (001-008)	-	-	-	-	-	-	-	-	-	-	-	-
Pharyngitis, other forms (000-029)	-	-	-	-	-	-	-	-	-	-	-	-
Pharyngitis, other forms (000-029)	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, all forms (045-048)	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (052)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Typhus and other rickettsial diseases (100-109)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 099, 102)	1	7.6	1	-	-	-	-	-	-	-	-	-
Neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	17	129.5	17	-	19	139.4	19	139.4	19	-	19	-
Benign and unspecified neoplasms (210-239)	1	7.6	1	-	3	22.0	3	22.0	3	-	3	-
Brain and meninges (240)	4	30.5	4	-	3	22.0	3	22.0	3	-	3	-
Neuritis (242-252)	1	7.6	1	-	1	7.3	1	7.3	1	-	1	-
Neuropathies affecting central nervous system (330-334)	8	69.9	8	-	23	168.8	23	168.8	23	-	23	-
Nonmeningococcal meningitis (340)	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic fever (400-402)	-	-	-	-	1	7.3	1	7.3	1	-	1	-
Chronic rheumatic heart disease (410-416)	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerotic and degenerative heart disease (420-422)	43	327.5	43	-	37	271.5	37	271.5	37	-	37	-
Other diseases of heart (430-434)	8	60.9	8	-	4	29.3	4	29.3	4	-	4	-
Hypertension with heart disease (440-443)	3	22.8	3	-	4	29.3	4	29.3	4	-	4	-
Hypertension without mention of heart disease (444-447)	4	30.5	4	-	1	7.3	1	7.3	1	-	1	-
Influenza (480-483)	2	15.2	2	-	3	22.0	3	22.0	3	-	3	-
Pneumonia (490-493)	1	7.6	1	-	3	22.0	3	22.0	3	-	3	-
Bronchitis (500-502)	1	7.6	1	-	1	7.3	1	7.3	1	-	1	-
Ulcer of stomach and duodenum (540, 541)	1	7.6	1	-	1	7.3	1	7.3	1	-	1	-
Appendicitis (530-533)	-	-	-	-	1	7.3	1	7.3	1	-	1	-
Intestinal obstruction and hernia (560-561, 570)	-	-	-	-	-	-	-	-	-	-	-	-
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 571, 572)	2	15.2	2	-	2	14.7	2	14.7	2	-	2	-
Cirrhosis of liver (581)	1	7.6	1	-	3	22.0	3	22.0	3	-	3	-
Nephritis and nephrosis (590-594)	1	7.6	1	-	3	22.0	3	22.0	3	-	3	-
Hypertrophy of prostate (610)	1	7.6	1	-	2	14.7	2	14.7	2	-	2	-
Complications of pregnancy, childbirth and the puerperium (640-689)**	-	-	-	-	-	-	-	-	-	-	-	-
Congenital malformations (730-759)	-	-	-	-	-	-	-	-	-	-	-	-
Birth injuries, postnatal asphyxia and other diseases of the newborn (760-776)	1	7.6	1	-	2	14.7	2	14.7	2	-	2	-
Infections of the newborn (760-776)	2	15.2	2	-	2	14.7	2	14.7	2	-	2	-
Other diseases peculiar to early infancy and immaturity unclassified (780-785)	14	106.6	14	-	23	168.8	23	168.8	23	-	23	-
All other diseases (8810-8835)	5	38.1	5	-	8	58.7	8	58.7	8	-	8	-
Motor-vehicle accidents (8800-8802, 8840-8862)	11	83.8	11	-	1	7.3	1	7.3	1	-	1	-
All other accidents (8800-8802, 8840-8862)	1	7.6	1	-	-	-	-	-	-	-	-	-
Self-inflicted injury (8900)	-	-	-	-	-	-	-	-	-	-	-	-
Suicide and self-inflicted injury (8900, 8970-8979)	1	7.6	1	-	-	-	-	-	-	-	-	-
Homicide and operations of war (8984, 8985, 8980-8999)	-	-	-	-	-	-	-	-	-	-	-	-

TABLE VI. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA CITY AND TULSA, 1961

Estimated population, July 1, 1961	OKLAHOMA CITY						TULSA					
	Total		Race		Race		Total		Race		Race	
	No.	Rate	Wh.	Neg.	Wh.	Neg.	No.	Rate	Wh.	Neg.	Wh.	Neg.
Live births*	362,027	26.4	7,422	1,411	202	6,009	22.9	5,130	783	106	106	106
Physician in hospital	8,935	...	7,389	1,404	202	5,932	...	5,080	747	105	105	105
Physician not in hospital	25	...	18	7	2	26	...	20	11	5	5	5
Physician under 1 year*	42	...	36	16	7	46	...	31	14	1	1	1
Midwife, other, or unknown	121	13.4	116	36	3	71	11.8	54	15	2	2	2
Deaths under 1 month	116	...	80	33	3	64	...	52	10	2	2	2
Deaths under 1 year*	3,034	8.9	2,687	316	25	2,413	7.1	2,123	277	2	2	2
Tuberculosis, other forms (010-019)	235	26.0	157	65	3	167	26.5	123	12	2	2	2
Tuberculosis, other forms (001-008)	174	19.3	124	49	1	111	40.2	92	7	4	4	4
Pharyngitis, other forms (000-029)	16	4.7	11	4	1	11	4.2	7	2	2	2	2
Pharyngitis, other forms (000-029)	1	0.3	1	1	-	1	1.1	1	2	2	2	2
Dysentery, all forms (045-048)	2	0.5	2	2	-	2	1.9	3	3	3	3	3
Scarlet fever and streptococcal sore throat (050, 051)	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (052)	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	-	-	-	-	-	-	-	-	-	-	-	-
Acute poliomyelitis (080)	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox (084)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (085)	1	0.3	1	1	-	1	...	-	-	-	-	-
Typhus and other rickettsial diseases (100-109)	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (030-039, 041, 042, 044, 049, 052-054, 059-074, 081-083, 086-096, 099, 102)	-	-	-	-	-	-	-	-	-	-	-	-
Neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	8	2.3	8	3	12	4.6	12	4.6	12	8	8	8
Benign and unspecified neoplasms (210-239)	473	138.3	431	39	3	419	129.9	388	31	5	5	5
Brain and meninges (240)	9	2.5	7	1	1	7	3.4	9	9	9	9	9
Neuritis (242-252)	48	12.3	37	5	1	42	11.1	10	1	1	1	1
Neuropathies affecting central nervous system (330-334)	5	1.3	4	1	-	4	4.2	10	10	10	10	10
Nonmeningococcal meningitis (340)	348	101.7	327	21	-	327	106.1	239	37	2	2	2
Rheumatic fever (400-402)	8	2.3	5	3	-	7	2.7	7	7	7	7	7
Chronic rheumatic heart disease (410-416)	16	4.7	16	3	-	19	7.3	19	19	19	19	19
Arteriosclerotic and degenerative heart disease (420-422)	724	211.7	698	26	-	688	202.6	636	51	1	1	1
Other diseases of heart (430-434)	59	17.3	48	11	-	39	14.9	35	4	8	8	8
Hypertension with heart disease (440-443)	74	21.6	60	14	-	27	10.3	19	8	8	8	8
Hypertension without mention of heart disease (444-447)	17	5.0	13	4	-	19	7.2	14	5	5	5	5
Influenza (480-483)	2	0.6	1	1	-	1	0.4	1	1	1	1	1
Pneumonia (490-493)	65	19.0	56	7	2	62	23.7	59	3	1	1	1
Bronchitis (500-502)	1	0.3	1	1	-	1	2.7	6	6	6	6	6
Ulcer of stomach and duodenum (540, 541)	27	7.9	27	3	-	19	7.3	18	1	1	1	1
Appendicitis (530-533)	3	0.9	3	3	-	4	1.5	2	2	2	2	2
Intestinal obstruction and hernia (560-561, 570)	17	5.0	13	4	-	16	6.1	13	3	3	3	3
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580, 571, 572)	8	2.3	6	2	-	12	4.6	9	3	3	3	3
Cirrhosis of liver (581)	38	9.3	37	1	-	23	8.6	20	3	3	3	3
Nephritis and nephrosis (590-594)	29	8.5	21	8	-	29	10.3	20	3	3	3	3
Hypertrophy of prostate (610)	7	2.0	6	1	-	6	3.4	9	9	9	9	9
Complications of pregnancy, childbirth and the puerperium (640-689)**	6	6.6	3	2	-	3	3.0	37	2	2	2	2
Congenital malformations (730-759)	50	14.6	43	7	-	46	17.6	31	15	1		

