

PUBLIC HEALTH STATISTICS
STATE OF
OKLAHOMA
1953



PART II
BIRTHS AND DEATHS

Oklahoma State Department of Health
Oklahoma City, Oklahoma

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PUBLIC HEALTH STATISTICS OF OKLAHOMA

BIRTHS AND DEATHS

1953

Public Health Statistics of Oklahoma, Part II, Births and Deaths is an annual publication based on data obtained from the standard certificates of live births, stillbirths, and deaths filed in the Oklahoma State Department of Health. The 1953 edition is the eleventh publication of Part II, and contains statistical data based on the vital events that occurred during that year in the State or to residents of the State of Oklahoma.

The purpose of the bulletin is to compile in accessible form data relating to vital events that may be helpful in determining health problems and needs and in evaluating progress made toward meeting the objectives of various public health programs. Other public and official agencies, related organizations, private concerns, and individuals may find the statistics useful also, and the bulletins, or data contained in them, are available upon request. Other more detailed tabulations than those published have been prepared in manuscript form and information from them is available also upon request whenever possible.

In addition to ten basic tables in the Appendix, explanation of methods used for collection or preparation of the data and discussion of some of the more important observations, along with interpretative tables and charts, are presented.

POPULATION

The 1953 estimated population for the State, 2,236,948, and estimates for the years 1940-1952 used in the bulletin, have been based on the arithmetic interpolation and projection of the 1940 and 1950 Census enumerations. Estimates for counties and cities have been computed by the same method. Population figures for the years 1930-1939 were based on the 1930 and 1940 Census data. For the racial groups, however, the 1950 enumerations for the Negro and Indian populations have been used for computing race-specific rates; the total increase for the general population has been accedited to the white population group, since that group would be less affected by errors in estimates.

RESIDENCE ALLOCATION

Most of the data in this bulletin are related to the births, deaths, and stillbirths that occurred to residents of Oklahoma, regardless of where the events occurred. Within the State, the vital events have been allocated to the county and city of residence for tabulation, also. Although certificates of births, deaths, and stillbirths are filed in the State office only for those events that occurred within the State, copies of certificates for residents of Oklahoma who were born or died outside the State were received for statistical use through a voluntary exchange of certificates between states, Alaska, Hawaii, and Canada.

through the National Office of Vital Statistics. One table in the Appendix, however, has been tabulated for total births, deaths, stillbirths, infant, and neonatal deaths by county of occurrence, since these data are sometimes needed.

Table 1

Residence Allocation, Oklahoma, 1953

	Non-resident Certificates Excluded	Resident Transcripts Included
Births	1,837	1,789
Deaths	455	1,055

During 1953, the number of births occurring in Oklahoma that specified out-of-state residence exceeded the number of births occurring in other states to residents of Oklahoma, as shown in Table 1. Deaths of Oklahoma residents that occurred in other states, however, were more than twice the number of non-resident deaths that occurred in Oklahoma.

Table 2
Births and Deaths of Oklahoma Residents Occurring
Outside Oklahoma, by State in which the Events Occurred
1953

State	Number	
	Births	Deaths
Total	1,789	1,055
Alabama	15	7
Arizona	25	27
Arkansas	447	160
California	19	48
Colorado	13	5
Florida	12	23
Illinois	27	17
Kansas	312	175
Kentucky	7	17
Louisiana	20	6
Maryland	18	19
Minnesota	2	2
Missouri	81	14
New Mexico	73	46
North Carolina	14	2
Tennessee	11	11
Texas	595	341
Virginia	30	3
Washington	76	4
All Others	82	82

Table 2 shows the states in which the largest number of births and deaths to Oklahoma residents occurred. Large numbers of births and deaths to residents of the State occurred in the bordering states, Texas, Arkansas, and Kansas, as might be expected, because of the hospital facilities in some of the cities just across the borders.

CAUSE OF DEATH CLASSIFICATION

Causes of death as reported on the death certificates were classified during 1949-1953 according to the Manual of the International Statistical Classification of Diseases, Injuries and Causes of Death (Sixth Revision of the International List), adopted in 1948 by the World Health Organization. The Sixth Revision of the International List, with the accompanying revision of the method of reporting causes of death on death certificates, and special rules for selecting primary causes of death for statistical purposes, involved considerably more change than previous revisions of the International List. For this reason, in order to maintain some comparability with statistics for previous years, the 1949 deaths were coded by using both the Fifth and Sixth revisions and comparability ratios were established for specific causes of death as listed on the 50-cause list for statistical tabulations. These ratios should be used to compute adjusted rates whenever rates for years prior to 1949 are compared with rates for recent years. No such adjustment was needed for comparison of rates for the 1930's and the 1940's since the differences between the Fourth and Fifth International Lists were not radical enough to influence the rates greatly. Adjusted rates, of course, should be computed for the years 1930-1939 also, to compare with rates in the years since 1948.

Adjusted rates for the years 1940 through 1949 for some of the more important causes that were affected by the changes in coding procedures have been published in Table B in the Appendix for ready access. Comparability ratios for forty-eight causes and for causes of infant deaths were published in Table B in the 1949 edition of this bulletin.

LIVE BIRTHS

The 1953 birth rate of 22.9, based on a total number of 51,275 resident live births, though only slightly higher than it has been for the last five years, was the highest birth rate on record, except for 1947 when a rate of 23.3 births per 1,000 population was recorded. The 1952 provisional birth rate for the United States was 24.7; the birth rate for the States ranged from a low of 20.9 in Rhode Island to a high of 32.9 in New Mexico.¹

As usual, the Negro and Indian birth rates, 27.9 and 39.9, were somewhat higher than the white birth rate of 22.1. Male births, 26,403, outnumbered the female, 21,872.

1. Vital Statistics - Special Reports, National Summaries, Summary of Natality Statistics, United States, 1952, National Office of Vital Statistics, U. S. Department of Health, Education, and Welfare, Washington, D. C.

The proportion of the live births that were delivered in hospitals was still on the upgrade, with 90.9 per cent of the births being delivered in hospitals, as compared to 89.3 per cent in 1952. About 93 per cent of the white births and 92 per cent of the Indian births occurred in hospitals as compared to 65.3 for Negro per cent. The Negro race had the highest percentage of deliveries by midwives and other persons, 18.9, as compared to 0.6 for the white and 2.8 for the Indian.

Table 3

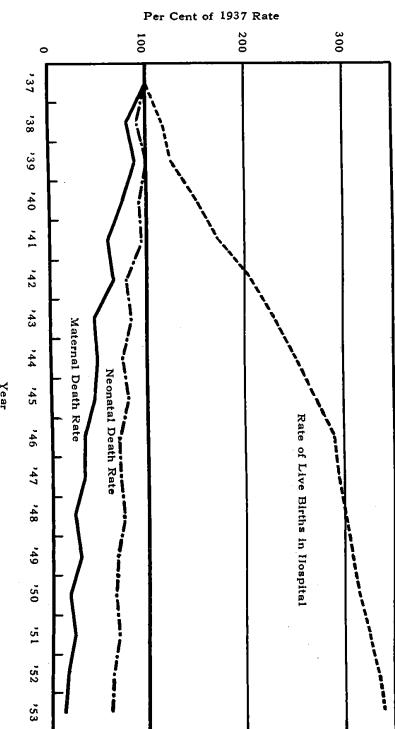
Live Birth Attendance by Race
Oklahoma, 1953

Attendance	Total	White	Negro	Indian
Number	Per Number	Per Cent	Per Number	Per Cent
Total live births	51,275	100.0	45,067	100.0
Physician in hospital	46,633	90.9	42,013	93.2
Physician in mat. home	234	0.5	219	0.5
Physician in home	3,333	6.5	2,585	5.7
Midwife and other	1,075	2.1	766	18.9

At the same time that deliveries in hospitals have been on the increase, neonatal and maternal death rates have been steadily declining. How much these death rates have been influenced by the increase in hospital deliveries is not known, but it is interesting to compare the increase in hospital deliveries of live births with the decreasing neonatal and maternal death rates as shown in Chart 1.

Chart 1

Percentage Change Since 1937 in Live Birth in Hospital,
Neonatal Death, and Maternal Death Rates Per 1,000 Live Births
Oklahoma, 1937-1953



More of the Negro live births were under five pounds nine ounces, 11.1 per cent, than of the white or Indian groups. Table 4 shows the percentage of immature live births by race.

Table 4

Percentage of Immature* Live Births, by Race
Oklahoma, 1953

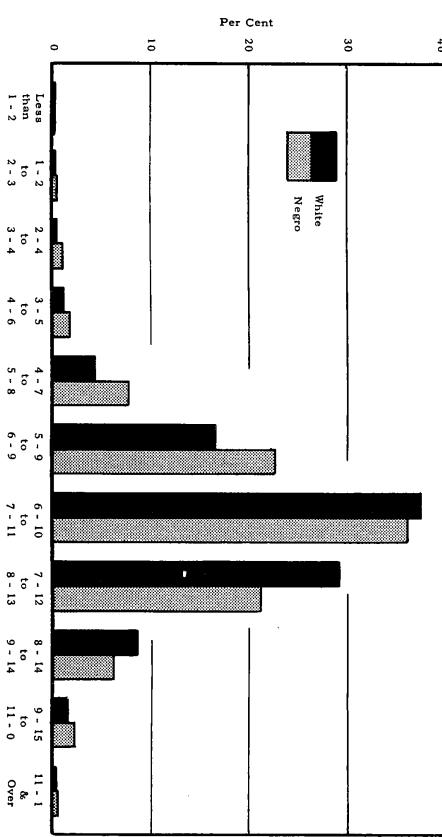
Live births with birth weight specified	Total	White	Negro	Indian
Birth weight 5½ pounds or less	50,720	44,653	3,953	2,114
Per cent	3,115	2,815	438	132
	6.7	6.4	11.1	6.2

*Based on birth weight alone.

Inmature Births
Using birth weight alone as a criterion, 6.7 per cent of the infants born in 1953 were immature, i.e., weighed five and one-half pounds or less. Chart 2 shows the percentage distribution of the white and Negro live births by birth weight for 1953. Although the weight category is expressed in pounds and ounces, the groups are approximately 500 grams each, therefore the apparent irregularity in grouping.

Chart 2

Percentage Distribution of White and Negro Live Births
by Birth Weight, Oklahoma, 1953



(Each group approximately 500 grams)

Higher percentages of the live births occurring to young mothers were immature than of births to mothers in older age groups; 17.9 per cent of the births to mothers under 15 were immature, though this represented only 11 births out of a total of 78 in that age group. The immature births by weight and age of mother are shown in Table 5.

Table 5

Immature Births by Weight and Age of Mother
Oklahoma, 1953

Birth Weight	Total	Age of Mother						45 & Over	45 & Unk.
		Under 15	15-19	20-24	25-29	30-34	35-44		
Live births with birth weight spec.	50,720	78	8,509	17,414	12,653	7,282	4,515	60	179
Total immature births	3,115	114	663	1,118	800	500	309	3	8
Per cent immature	6.7	17.9	7.8	6.4	6.3	6.9	6.8	5.0	4.5
4 lb 7 oz-5 lb 8 oz	2,303	9	441	773	533	325	217	1	4
3 lb 5 oz-4 lb 6 oz	615	3	127	203	119	103	55	1	4
2 lb 4 oz-3 lb 1 oz	213	1	57	83	72	39	21	-	-
Less than 2 lb 4 oz	194	1	38	59	46	33	16	1	-

STILLBIRTHS
Oklahoma, 1953

Stillbirth certificates are filed for births which show no signs of life and which have developed to the 20th week or more of gestation at the time of birth. Stillbirth rates have declined from an average ratio of 26.8 stillbirths per 1,000 live births in 1930-1932 to a ratio of 15.6 in 1950-1952. The ratio of 15.9 was recorded for 1953; the ratio for the white population was 11.7 as compared to 24.9 for the Negro and 24.7 for the Indian, as shown in Table 6.

Table 6

Stillbirth Attendance by Race, Number and Per Cent

Attendance at Birth	Total	Cause of Stillbirth			Number	Percent
		White	Negro	Indian		
Number	Per Cent	Number	Per Cent	Number	Per Cent	
Total						
Physician in hospital	817	100.0	663	100.1	101	100.1
Physician in mat. home	685	83.8	571	86.6	65	64.4
Physician in home	3	0.4	2	0.3	-	1
Midwife	107	13.1	81	12.2	20	19.8
Other and unknown	14	1.7	1	0.2	13	12.9
	8	1.0	5	0.8	3	3.0

The underlying causes of the stillbirths reported in 1953 are shown in Table 7. The selection of the underlying cause was based on the sequence of events that led to the stillbirth as reported on the medical certifications on the stillbirth certificates. In instances where no logical sequence could be established, however, if more than one cause was reported, precedence was given to causes determined in the fetus, placenta or cord over causes and conditions in the mother, when they were reported together on certificates.

Little over half, 51.7 per cent, of the stillbirths were attributed to causes determined in the fetus, placenta and cord; 35.9 per cent were attributed to placenta and cord conditions and congenital malformations accounted for 9.7 per cent of the stillbirths. Toxemia of pregnancy and difficulties in labor were the leading causes of stillbirths attributed to causes determined in the mother or related to pregnancy, accounting for 7.1 and 6.5 per cent, respectively, of the stillbirths. For 153 of the stillbirths, no cause was specified and for 89, the cause given was classified as ill-defined, making a total of 29.6 per cent of the stillbirths for which the cause of stillbirth was actually undetermined.

Table 7

Resident Stillbirths, by Cause of Stillbirth
Oklahoma, 1953

Causes Determined in the Mother, or Related to Pregnancy:	Cause of Stillbirth					Number	Percent
	Total	White	Negro	Indian	Number		
Diabetes mellitus (Y30.2)						9	1.1
Chronic disease of genito-urinary system (Y30.4)						-	-
Other chronic diseases (Y30.0, .1, .3, .5)						7	0.9
Acute disease in mother (Y31)						9	1.1
Toxemias of pregnancy (Y32.3, .4)						58	7.1
Infection (ante- and intra-partum) (Y32.5)						3	0.4
Difficulties in labor (Y34)						53	6.5
Self-induced abortion (Y32.0)						6	0.7
Accident or violence (Y35.0, .1)						12	1.5
Other and ill-defined causes in mother (Y32.1, .2, Y33, Y35.2, .3)						2	0.2
Causes Determined in the Fetus,							
Placenta or Cord:							
Placenta and cord conditions (Y36)						293	35.9
Birth injury (Y37)						9	1.1
Congenital malformations of fetus (Y38)						79	9.7
Erythroblastosis (Y39.2)						39	4.8
Other causes determined in the fetus (Y39.0, .1, .3)						2	0.2
Ill-defined causes (Y39.1, .5)						89	10.9
Cause unspecified (Y39.6)						153	18.7

Table 8
Resident Stillbirths, According to Whether Death Occurred
Before or During Labor, by Race, Number and Per Cent
Oklahoma, 1953

Time of Death	Total	White	Negro	Indian		
Number	Per Cent	Number	Per Cent	Number	Per Cent	
Total Stillbirths	817	100.0	663	100.0	101	100.0
Before Labor	485	59.4	391	59.0	56	55.4
During Labor	206	25.2	171	25.8	21	20.8
Not stated	126	15.4	101	15.2	24	23.8
				1	1.9	

Table 8 shows information as to whether the stillbirths occurred before or during labor and Table 9 shows data as to whether the stillbirths occurred before or during the operation if operative delivery was indicated. For those stillbirths that stated whether or not death occurred before or during labor, 70.2 per cent had occurred before labor. For those that indicated operative delivery and stated whether or not death occurred before or during the operation, 87.6 per cent had occurred before the operation.

Table 9
Resident Stillbirths, According to Whether Death Occurred
Before or During Operation, by Race, Number and Per Cent
Oklahoma, 1953

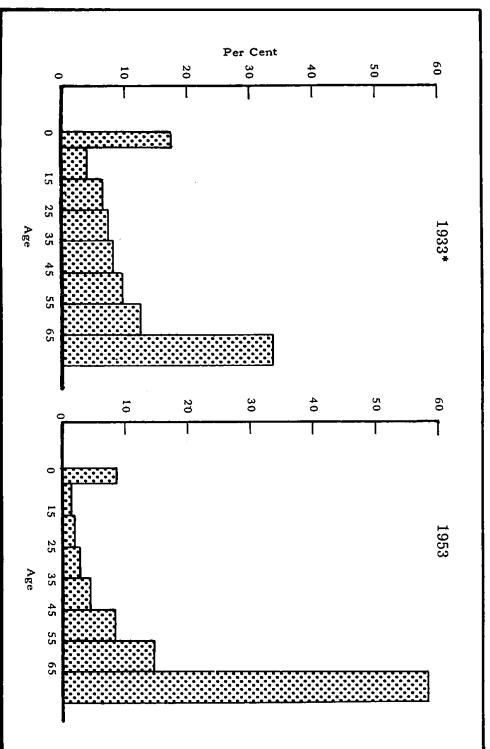
Time of Death	Total	White	Negro	Indian		
Number	Per Cent	Number	Per Cent	Number	Per Cent	
Total Operations	119	100.0	97	100.0	13	100.0
Before operation	85	71.4	68	70.1	11	84.6
During operation	12	10.1	10	10.3	—	6
Not stated	22	18.5	19	19.6	2	22.2
				1	11.1	

TOTAL DEATHS

The crude death rate in Oklahoma has shown no great change as far back as vital statistical records are available. An unusually high rate of 9.9 deaths per 1,000 population was recorded in 1936 and the lowest rate of 7.9 was shown for 1931. In general, however, the total death rate has ranged between 8 and 9 deaths per 1,000 estimated population. The 1953 death rate was 8.9 for the entire population. For the white population group the rate was 8.6, for the Negro 12.4 and for the Indian 10.8, all of which were somewhat in line with the comparable rates recorded in previous years.

Considerable change, however, has occurred in some of the specific death rates by cause of death, by age, and by sex and race groups within these classifications. Changes from year to year, of course, are usually not very apparent but become quite obvious over a long range of time. Since reliable population estimates by age groups are not available at this time, age-specific death rates, computed on the numbers of deaths reported in 1920, 1940, and 1950 and the population enumeration figures for those years, are used for comparisons.

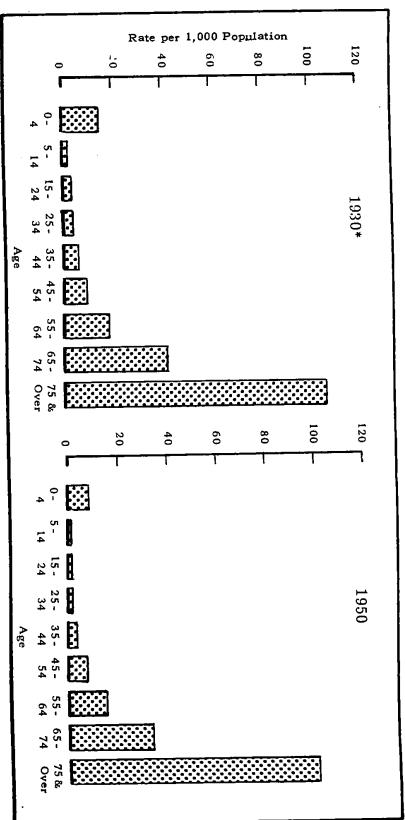
Chart 3
Percentage Distribution of Deaths by Age Groups
Oklahoma, 1933 and 1953



* Based on data from Mortality Statistics, 1953, Bureau of the Census, Department of Commerce, Washington, D. C.

Chart 3 shows that larger proportions of the deaths that occurred during 1953 were in older age groups than was the case twenty years before. In spite of this change in proportional mortality, however, Chart 4 points out that there has been an actual decrease in the age-specific death rates for each ten-year age group from 1930 to 1950.

Chart 1
Age Specific Mortality Rates
Oklahoma, 1930 and 1950



*Based on data from Mortality Statistics, 1930, Bureau of the Census, Department of Commerce, Washington, D.C.

Race and sex specific death rates for the two broad age groups 0-24 and 65 years and over, as shown in Table 10, indicate that there has been a reduction in all of the race-sex rates in both age groups, with the exception of the male white rate in the older age group which shows an increase. The percentage of reduction in the rates for the younger age group, however, has been much greater than for the group 65 and over.

Table 10
Per Cent Change in Race-Sex Specific Death Rates for Ages 0-24 and Ages 65 and Over, Oklahoma, 1930 and 1950

Race and Sex	Ages 0-24		Ages 65 and Over	
	1920*	1950	1930*	1950
All Races:				
Both Sexes	4.8	2.5	-17.9	60.9
Male	5.3	3.0	-13.4	63.7
Female	4.3	2.1	-51.2	47.7
White:				
Both Sexes	4.5	2.3	-18.9	60.5
Male	5.0	2.7	-16.0	63.3
Female	4.0	1.8	-55.0	56.9
Nonwhite:				
Both Sexes	6.9	5.1	-26.1	64.9
Male	7.1	5.4	-23.9	68.8
Female	6.6	4.7	-28.8	60.1

Rates represent number per 1,000 enumerated population.

*Based on data from Mortality Statistics, 1930, Bureau of the Census, Department of Commerce, Washington, D.C.

The inevitable result of the decline in deaths among younger persons, of course, is the proportional increase in the number of older people in the living population. The 1930 Census reported only 4.0 per cent of the population in Oklahoma was 65 years of age and over but the 1950 Census showed an increase to 8.7 per cent of this segment of the population.

LEADING CAUSES OF DEATH

Most significant from a public health standpoint are the changes in health problems that have been the cause or result of the changes in the age distribution of the surviving population. Some of the changes in health problems are pointed out in Table II below which compares the proportions of deaths from the leading causes with those of twenty years ago. In so far as possible the procedures recommended by the Mortality Working Group of the Public Health Conference on Records and Statistics have been used for ranking causes of death. Two exceptions in grouping causes for ranking were necessary to conform with the 50-cause and 150-cause lists used for tabulation. The cause "Nephritis and Nephrosis" includes International List Nos. 590-594 instead of being separated into two groups 590, 591 and 592-594 as listed in the 64-cause list designed by the National Office of Vital Statistics, and "Diseases of the Arteries" includes numbers 150-156 instead of the single title 150. Figures for the years prior to 1949 for this table and elsewhere in the discussion have been adjusted according to the comparability ratio of 1949 deaths classified by Sixth revision to 1949 deaths classified by Fifth revision of International Lists. See Table B in the Appendix, also.

Table 11
Leading Causes of Death
Oklahoma, 1931-1933 and 1951-1953

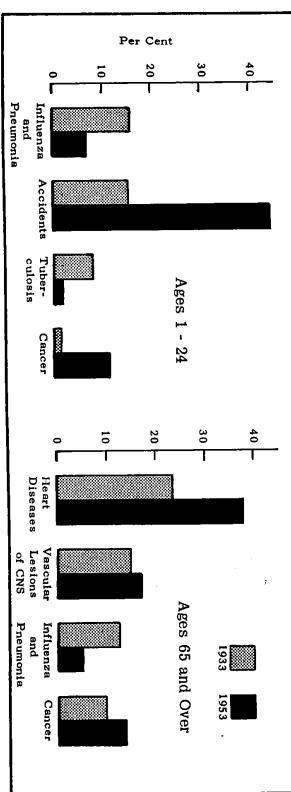
Leading Causes of Death	1931-1933			1951-1953		
	Adjusted Number*	Per Cent	Rank	Number	Percent	Rank
Deaths, all causes	58,396	14.31	1	59,547	31.45	1
Diseases of the heart	8,354	11.76	2	18,729	31.70	6
Influenza and pneumonia	6,865	2.202	2	7,433	12.50	3
Cerebral hemorrhage	4,855	8.31	3	8,822	11.82	2
Cancer	4,184	7.16	4	4,434	7.45	4
Accidents	3,980	6.82	5	987	1.66	9
Tuberculosis	3,548	6.08	6	2,611	4.38	5
Diseases of early infancy	2,748	4.71	7	1,208	2.03	8
Nephritis	1,558	2.67	8	1,502	2.57	9
Diarrhea and enteritis	1,502	2.57	9	277	0.47	10
Appendicitis	1,092	1.87	10	154	0.26	1
Diseases of the arteries	666	1.14	1	1,330	2.23	7
Diabetes	530	0.91	2	952	1.60	10

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

Diseases of the heart as a group has continued to be the leading cause of death for all ages during the twenty-year period, but in 1931-33 only 14.3 per cent of the deaths were assigned to this cause while by 1951-53 this proportion had more than doubled to 31.5 per cent of the total deaths. Influenza and pneumonia, together, was the second numerically most important cause of death in 1931-33 but had dropped down to sixth place in 1951-53 to be replaced by cancer as the second leading cause of death (fourth in 1931-33). Gastrointestinal hemorrhage or vascular lesions of the central nervous system is third in importance now as it was twenty years ago. For both cancer and cerebral hemorrhage the proportion of deaths assigned had increased considerably during the twenty-year period.

Two causes of particular importance in the 1930's, diarrhea-enteritis and appendicitis, had dropped out of the list of the ten leading causes by the 1950's - both of these generally were more common as a cause of death among the younger age groups. On the other hand, two other diseases have been added to the list of ten important causes: diseases of the arteries and diabetes, both of which seem to cause death among older persons more frequently. Tuberculosis, from ninth as a leading cause of death, has dropped considerably in mortality, from 6.1 per cent of the total deaths in 1931-33 to 1.7 in 1951-53; this cause of death also accounted for comparatively larger numbers of deaths in younger people during the earlier years.

Chart 5
Important Causes of Death, Ages 1-24 and 65 and Over
Oklahoma, 1933 and 1953



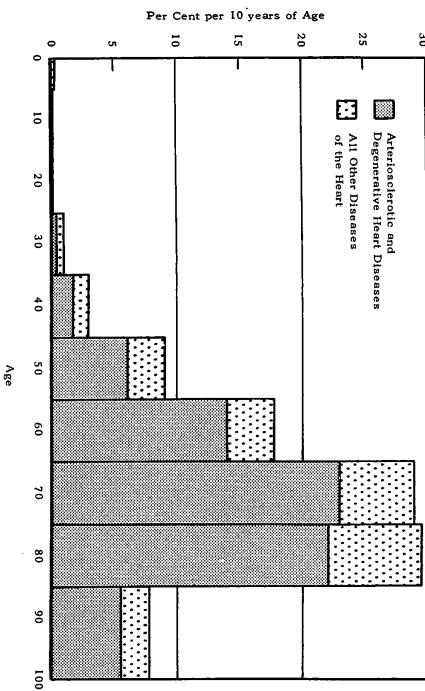
Since age and cause of death are interrelated, study of the leading causes of death for each age group is an important factor in determining health problems and needs. Table IV in the Appendix lists the numerically most important causes of death for each of seven broad age groups for the year 1953. Comparison of the leading causes of death in the population under 25 and the population 65 and over in 1933 and 1953 is shown in graphic form on Chart 5 - since the deaths that occur during the first year of life constitute such a large proportion of the deaths under 25 years of age and since the problems of this age group are in general peculiar to that age group alone, deaths under one year of age have been excluded from the figures used for this chart. Vital statistics relating to the population under one year of age will be discussed separately in this bulletin.

Heart Disease

During 1953, heart diseases accounted for 6,257 deaths, 279.7 persons out of every 100,000 population. The rate for the Negro population was highest, with 290.0 per 100,000 persons dying from heart diseases as compared to 281.3 for the white population and 189.7 for the Indian. The proportion of male deaths exceeded the female deaths in each racial group: For all races 64.3 per cent were male, for the white 64.8 per cent, Negro 58.3, and Indian 60.8.

As has already been pointed out, deaths from heart diseases have been steadily increasing and a large majority of these deaths are in older age groups. The age distribution of the deaths from heart diseases during 1953 is shown in Chart 6. Three-fourths (75.8 per cent) of the heart disease deaths were assigned to arteriosclerotic and degenerative heart diseases. In general the number of males dying from heart disease exceeded the number of females in each age group.

Chart 6
Percentage Distribution of Deaths Due to Diseases of the Heart, by Age
Oklahoma, 1953



Malignant Neoplasms

Malignant neoplasms, like heart disease, took their greatest toll from the older population, with 53.0 per cent of the deaths at ages 65 and over. For most sites, the largest number of deaths for any ten-year age group occurred in the population 65-74 years of age. Cancer of the buccal cavity and pharynx, cancer of the trachea, bronchus and lung not specified to be secondary, and cancer of the uterus caused death more frequently in the 55-64 age group, whereas cancer of the

breast struck most often in the 45-54 age group. Although the number of deaths attributed to the leukemias, to lymphosarcoma and other neoplasms of lymphatic and hematopoietic tissues, and to malignant neoplasms of the bone and connective tissues, was greater in the 65-74 age group than for any other ten-year age group, a larger proportion of these deaths occurred to persons under 45 than for the other sites - 36.0, 25.2, and 25.5 per cent, respectively. Cancer of the breast and cancer of the cervix of the uterus, together, accounted for 19 deaths among the young women under 45 years of age. The age distribution of cancer deaths by site is shown in Table 12.

Table 12
Percentage Distribution by Age at Death From Malignant Neoplasms, by Site, Oklahoma, 1953

Site	Total Number	Per Cent by Age				
		0-44	45-54	55-64	65-74	75-84
Total	2,939	10.4	14.1	22.4	26.3	21.2
Malignant neoplasms of:						5.5
Buccal cavity and pharynx	69	2.9	10.1	29.0	21.7	27.5
Esophagus	36	2.8	13.9	19.1	14.1	8.7
Stomach	316	2.8	7.3	19.3	31.6	7.9
Intestine, except rectum	237	5.9	8.0	21.5	29.1	9.3
Rectum	94	8.5	11.7	13.8	31.2	10.6
Larynx	17	-	23.5	23.5	23.5	-
Trachea, bronchus, and lung, not secondary	288	4.9	19.4	37.5	21.7	0.7
Breast	237	10.5	27.8	21.5	16.0	3.8
Cervix uteri	119	20.2	21.0	24.4	21.8	3.4
Other and unspecified						
Of uterus	111	10.8	21.6	23.4	24.3	4.5
Prostate	210	0.5	1.4	9.0	36.7	11.0
Skin	76	11.8	17.1	9.2	23.7	15.8
Bone and connective tissue	51	25.5	15.7	23.5	15.7	3.9
Other and unspecified	806	10.9	11.6	23.8	25.3	4.1
Leukemia and aleukemia	161	36.0	6.2	19.9	23.0	13.0
Lymphosarcoma and other of lymphatic and hematopoietic tissues	111	25.2	20.7	21.6	9.9	1.8

The number of males who died from malignant neoplasms was slightly more, 52.2 per cent, than the number of females during 1953. Distribution of the deaths among males and females as to the primary site of the malignant neoplasms is shown in Table 13. The classification by site in this table is the same as that used for reportable disease tabulations so they may be used for comparisons.

Digestive organs and peritoneum were the most common sites for the malignant neoplasms causing death in males - the primary site for 54.4, or 35.4 per cent, of the male cancer deaths. The second most common site of cancer deaths in males was the respiratory organs and third was male genital organs, with 17.1 per cent and 14.5 per cent, respectively, of the deaths assigned to these sites. For the female cancer deaths also, the digestive organs and peritoneum were most frequently reported to be the primary site; for 30.3 per cent of the female deaths, the breast and uterus, with 16.7 and 16.4 per cent of the deaths, were second and third in the list of most common sites of the malignant neoplasms causing death in females.

Table 13
Resident Deaths from Malignant Neoplasms, by Primary Site, by Sex, Oklahoma, 1953

Site	Male	Female
Total	1,555	1,404
Buccal cavity and pharynx	49	20
Digestive organs and peritoneum	544	126
Nose, nasal cavities, middle ear, and accessory sinuses	4	4
Other respiratory organs	258	52
Breast	2	235
Uterus	-	230
Other female genital organs	-	90
Male genital organs	223	-
Urinary organs	68	42
Skin	45	31
Brain and other parts of the central nervous system	44	27
Bone	20	19
Lymphosarcoma and reticulosarcoma	42	15
Hodgkin's disease	15	11
Leukemia and aleukemia	95	66
Other neoplasms of lymphatic and hematopoietic tissues	16	12
Other and unspecified organs	110	124

The death rate for all malignant neoplasms was higher among the Negro population, 113.6 per 100,000 population, than among the white or Indian population, 131.1 and 107.9, respectively. This relationship varied, however, for the death rates for malignant neoplasms of specific sites. Reference is made to Table I in the Appendix. The stomach was reported as the primary site most frequently for cancer deaths for the total population; rates for the white, Negro, and Indian groups were 111.1, 144.4, and 13.0. Malignant neoplasms of the trachea, bronchi and lung (primary), second numerically most important site for cancer deaths, gave specific death rates of 13.2 for the white population, 10.3 for

Negroes, and 7.4 for Indians. Death rates for cancer of the breast, uterus (except cervix), and prostate were highest among the Negroes, being 13.7 for each site. The most frequent site reported on death records for Indians was the cervix or the uterus, with a rate of 14.9 per 100,000 population.

Vascular Lesions of the

Central Nervous System

The third leading cause of death in Oklahoma was vascular lesions of the central nervous system, accounting for 12.4 per cent of the deaths during 1953. Like cancer and heart disease, vascular lesions of the central nervous system as a cause of death has been on the increase though the rate of increase has been less rapid. In 1933, the adjusted death rate for this cause was 72.6 per 100,000 estimated population. In 1943 it had increased to 92.7, and the 1953 rate was 110.2. The rate for this cause of death among the Negro population in 1953 was 156.7 as compared to 107.5 for the white population and 85.6 for the Indian. Male deaths from this cause exceeded the female deaths by only a slight majority, 52.1 per cent being of males. Over three-fourths, 70.4 per cent, of the deaths were at 65 years of age or over; in 1933 only 61.3 per cent of the deaths due to vascular lesions of the central nervous system were of persons 65 years of age and over.

Accidents

Accidents was the fourth leading cause of death for all ages in 1953 and the first leading cause of death among the population ages one to thirty-four, causing 10.4 per cent of all the deaths that occurred to persons within that age range. Because of the growing public interest in accident prevention and the need of specific data as to how, when, and where accidents most frequently occur, special study of the deaths resulting from accidents that occurred in Oklahoma has been made in Public Health Statistics, Part III, Accidental Deaths.

Accidental deaths have shown no definite trend up or down during the last twenty years but continue as a leading cause of death among all age groups. During the twenty-year period, the death rate from this cause has varied from a low rate of 51.6 deaths per 100,000 population in 1940 to a high rate of 77.3 in 1936. A rate of 61.6 was recorded in 1953. About 12 per cent of accidental deaths were due to motor-vehicle accidents. The trend line for the death rates from motor-vehicle accidents, also, has shown no indication of a continued increase or decrease, though during the war years 1942-1944 the rates were very low as result of the decrease in the number of motor vehicles and in mileage traveled. Higher accidental death rates were recorded for the Indian and Negro populations in 1953, 94.9 and 85.9, than for the white, 62.3. The male accidental deaths outnumbered the female 7 to 3.

More deaths resulted from accidents between the ages 15-34 and 75-84 than in other age groups: 11.7 per cent of the 1953 accidental deaths were between the ages 15-24, 12.3 were 25-34 and 12.5 were 75-84. Age distribution of the accidental deaths varied somewhat according to the type of accident; the age distribution for common types of accidents is shown in Table 14. A large proportion of the motor-vehicle accidents, 39.9 per cent, occurred to persons 15-34 years

of age. Deaths due to falls, however, were more frequently reported for persons 75-84, 37.4 per cent. More very young children died as a result of fire and explosions, 20 under five years of age, than persons in other age groups, and drowning was the cause of death in more children ages 5-14 than in other ages.

Table 14

Age Distribution of Accidental Deaths, by Type of Accident Oklahoma, 1953											
Type of Accident	Total	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total fatalities	1,445	129	84	212	178	148	141	117	163	180	93
Motor-vehicle	607	42	21	130	112	76	60	48	76	32	7
Other transport	43	10	28	17	14	15	7	1	5	3	1
Poisoning	273	4	3	6	5	14	18	44	102	73	-
Falls	17	-	1	1	3	2	5	2	-	-	-
Machinery	116	20	5	8	10	12	16	9	12	4	2
Fire & explosion	8	3	-	1	1	-	-	-	1	2	-
Hot substance	13	6	7	12	4	6	5	4	3	2	-
Firearms	59	21	9	2	2	8	8	3	-	-	-
Drowning	182	44	12	16	17	23	18	14	17	15	6
Other											

Certain Diseases of Early Infancy

Certain diseases of early infancy caused 872 deaths, 14.4 per cent of the total deaths, during 1953, placing this category in fifth place as a leading cause of death. Since these diseases are in general peculiar to the first year of life, discussion of the statistics for these diseases has been included in the section for Infant Deaths in this bulletin.

Influenza and Pneumonia

Twenty years ago, 1931-33, pneumonia and influenza together ranked second as a leading cause of death; in 1951-53, they ranked only in sixth place. These diseases were a leading cause of death in all age groups. Although they caused more deaths in older age groups, the proportion of deaths in each age group was as high for young age groups: 9.5 per cent of the deaths 0-4 were assigned to these causes and 5.1 per cent of the deaths 5-14 were assigned to them, placing them in third place as a cause of death in these age groups. Influenza and pneumonia accounted for 5.1 per cent of deaths ages 75-84 and 7.6 per cent of those 85 and over.

The influenza-pneumonia death rates for the racial groups varied also. In fact, for the Indian population, the death rate was three times that for the white population, the rates being 111.6 and 33.9. The Negro rate was 77.7 per 100,000 population. Influenza and pneumonia ranked second to diseases of the heart as a cause of death for the Indian population.

Table 14

Age Distribution of Accidental Deaths, by Type of Accident Oklahoma, 1953											
Type of Accident	Total	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total fatalities	1,445	129	84	212	178	148	141	117	163	180	93
Motor-vehicle	607	42	21	130	112	76	60	48	76	32	7
Other transport	43	10	28	17	14	15	7	1	5	3	1
Poisoning	273	4	3	6	5	14	18	44	102	73	-
Falls	17	-	1	1	3	2	5	2	-	-	-
Machinery	116	20	5	8	10	12	16	9	12	4	2
Fire & explosion	8	3	-	1	1	-	-	-	1	2	-
Hot substance	13	6	7	12	4	6	5	4	3	-	-
Firearms	59	21	9	2	2	8	8	3	-	-	-
Drowning	182	44	12	16	17	23	18	14	17	15	6
Other											

Diseases of the Arteries

Another group of diseases particularly common in older people is diseases of the arteries. It ranked seventh as a leading cause of death in 1953 for the total population, but was not a leading cause in any age group under 65. This group of diseases caused 101 deaths in persons 65 and over, 3.5 per cent of the total deaths in that age group. Rates for the white and Negro populations were higher than for the Indian, 20.7, 19.9, and 9.3, respectively. Male deaths from diseases of the arteries outnumbered the females with 274, 60.1 per cent, of the deaths male and 182 female.

Nephritis and Nephrosis

Deaths from nephritis and nephrosis, the eighth leading cause of death, occurred more frequently in older age groups, also, with 61.1 per cent of the deaths from this cause over 64 years of age. It was still a leading cause of death, however, in other age groups, except under five. Rates for the Negro and Indian were higher than for the white population, 40.5, 31.6, and 11.6, respectively.

Diabetes Mellitus

The death rate for diabetes mellitus has been on the increase in recent years - 7.4 per 100,000 population in 1933, 11.2 in 1943, and 15.2 in 1953. Rates for the Negro and Indian populations, 26.8 and 24.2 were higher than for the white population, 11.1. This disease also was more important as a cause of death among older people, 67.0 per cent of the deaths assigned to this cause were 65 years of age or older. It was a leading cause of death among the age groups 35-44 and 45-64, but accounted for only 1.5 and 1.8 per cent of the deaths in those age groups.

Tuberculosis

The decline in the tuberculosis death rate has been rapid. As recently as twenty years ago, 1931-33, it was still in sixth place as a leading cause of death, but in 1951-53 it was in ninth place and for the single year 1953 it was tenth. Even for the Indian population, it ranked only in sixth place as a leading cause of death, though the death rate from the disease for that racial group was 80.0 per 100,000 population as compared to 24.7 for the Negro population and 8.2 for the white population. The age distribution of tuberculosis deaths, too, has shown considerable change over the years; in 1933, 36.0 peer cent of the tuberculosis deaths were at 45 years of age and over; by 1943, 13.7 per cent of the tuberculosis deaths were 45 years and over; in this age group in 1953, were 72.9 per cent of the tuberculosis deaths.

More males died from tuberculosis, 158 (64.0 per cent of the total tuberculosis deaths) than females, 89. The females, in general, were in younger age groups, 40.4 per cent under 45 years of age as compared to 19.6 per cent of the males.

Although homicide and suicide were not leading causes of death among the general population, they were important causes of death in certain age groups. Homicide was in fourth position as a cause of death among the population 15-24 and fifth for the population groups 25-34 and 35-44, with 13, 27, and 32 deaths, respectively, in these age groups assigned to that category. Suicide ranked third in numerical importance as a cause of death in the population 15-24, was fourth for ages 25-34, and sixth for ages 35-44.

COMMUNICABLE DISEASES

Death rates from some of the other communicable diseases, as for tuberculosis, have shown very rapid declines. The death rate from typhoid fever, already down from earlier years, in 1953 was 10.3; 1953 was the first year that no deaths were assigned to this cause (only one was recorded in 1950). Diphtheria accounted for 261 deaths in 1933, 11.0 per 100,000 population, and in 1953 for the first time no deaths were attributed to that disease. Twenty-three deaths were assigned to scarlet fever in 1933, only 2 in 1953; streptococcal sore throat accounted for only 4 deaths in 1953. Whooping cough caused 82 deaths in 1933 and only 9 in 1953 - five of the deaths in 1953 were under one year of age. The death rate from measles was 2.9 per 100,000 population in 1933 and only 0.7 in 1953 - 12 of the 16 deaths in 1953 were under five years of age.

Low death rates from dysentery, 0.9, meningococcal infections, 0.4, and tetanus, 0.4, were recorded in 1953. Four deaths were due to acute infectious encephalitis. Only one death was caused by malaria.

The 1953 death rate for poliomyelitis, 0.7, was the lowest rate recorded since the all-time high rate of 4.9 in 1949. Ten of the 16 deaths recorded were under twenty years of age. Eleven of the poliomyelitis deaths were specified as bulbar or polio-encephalitis. In addition to the 16 deaths from acute poliomyelitis, 3 other deaths were specified as due to late effects of poliomyelitis.

Eighty-three deaths were classified to syphilis. The Negro rate of 11.4 per 100,000 population for this disease was higher than the rate for Indians, 7.4, and 2.8 for the white population. Three of the syphilis deaths were specified as congenital, 2 as tabes dorsalis, and 17 as general paralysis or the insane. No deaths were reported as due to gonorrhea.

More deaths from infectious hepatitis, 13, were recorded in 1953 than for any other year since it has been included as a separate category in tabulations: 8 were recorded in 1949, 5 in 1950, 11 in 1951 and 6 in 1952. The figures are too small and for too short a time to determine whether there is an actual increase in the death rate for this disease.

MATERNAL DEATHS

The maternal death rate continued its downward trend during 1953, with only one less death, however, than was recorded the year before; the number for 1953 was 37 with a rate of 0.7 per 1,000 live births, as shown in Table 15 on the following page. The Negro rate was 3.2 as compared to 1.9 for the Indian and 0.4 for the white.

Table 15
Maternal Deaths by Cause, by Race, Number and Rate*

Cause of Death	Total		White		Negro		Indian	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All maternal causes	37	0.7	20	0.4	13	3.2	4	1.9
Sepsis or pregnancy (640, 641)	-	-	-	-	-	-	-	-
Toxemias of pregnancy (642)	4	0.1	2	0.0	1	0.2	1	0.5
Hemorrhage or pregnancy (643, 644)	-	-	-	-	-	-	-	-
Ectopic pregnancy without mention of sepsis (645.0)	3	0.1	1	0.0	2	0.5	-	-
Ectopic pregnancy with mention of sepsis (645.1)	1	0.0	1	0.0	-	-	-	-
Other complications of pregnancy (646-649)	-	-	-	-	-	-	-	-
Abortion without mention of sepsis or toxemia (650)	3	0.1	2	0.0	1	0.2	-	-
Abortion with mention of sepsis (651)	-	-	-	-	-	-	-	-
Abortion with toxemia, without mention of sepsis (652)	-	-	-	-	-	-	-	-
Delivery without specified complications (660)	3	0.1	1	0.0	2	0.5	-	-
Hemorrhage of childbirth (670-672)	10	0.2	6	0.1	2	0.5	2	0.9
Sepsis of childbirth and the puerperium (681, 682, 684)	5	0.1	5	0.1	-	-	-	-
Toxemias of the puerperium (685, 686)	2	0.0	-	2	0.5	-	-	-
Other complications of childbirth and the puerperium (673-680, 683, 687-689)	6	0.1	2	0.0	3	0.7	1	0.5

*Number per 1,000 live births.

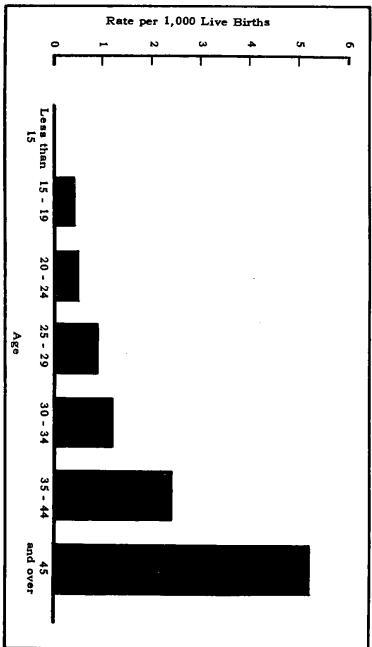
Hemorrhage of childbirth was the leading cause of maternal deaths, with 10 deaths, 27.0 per cent, attributed to this cause. For six of the deaths, sepsis was reported as the cause of death or a complication and for six other deaths, toxemia was the cause or a complication. Four ectopic pregnancies and three abortions were reported among the maternal deaths.

The age-specific maternal death rates increased with each age group. Distribution of the maternal deaths by age is shown in Table 16; age-specific rates are shown in Chart 7. Although three-year average rates have been used for the chart, the numbers are small - only 110 maternal deaths occurred in the three-year period. Only one maternal death occurred to mothers 15 and over during the three-year period, but due to the small number of births to mothers in this age group, the average rate was 5.2 per 1,000 live births.

Table 16
Maternal Deaths, by Cause, by Age

Cause of Death	Age						
	15	15-19	20-24	25-29	30-34	35-44	45+
All maternal causes	37	-	2	8	14	6	7
Sepsis of pregnancy, childbirth and the puerperium	6	-	1	1	1	-	3
Toxemias of pregnancy and the puerperium	6	-	1	-	3	1	1
Hemorrhage of pregnancy and childbirth	10	-	-	-	2	5	2
Abortion without mention of sepsis or toxemia	3	-	-	-	2	1	-
Abortion with sepsis	-	-	-	-	1	-	-
Other complications of pregnancy, childbirth, and the puerperium	12	-	-	3	4	3	2

Chart 7
Maternal Death Rate, by Age
Oklahoma, 1951-1953



INFANT DEATHS

Although the infant death rate in 1953, 28.6, was less than half what it was twenty-five years ago, 69.0 in 1928, the deaths of babies under one year of age constituted 7.4 per cent of the total deaths during the year 1953. The Negro and Indian infant death rates, 53.9 and 48.0 per 1,000 live births, were high in comparison to the rate of 25.4 for the white infant deaths.

Table 17

Deaths Under One Year, by Cause, by Race,
Number and Rate*, Oklahoma, 1953

Cause of Death	Deaths Under One Year		Deaths Under One Year		Cause of Death	Deaths Under One Year		
	Total No.	White Rate No.	Negro Rate No.	Indian Rate No.		Per Cent	Months of Age	Number Per Cent
Infant deaths, all causes	1466	28.6	1114	25.4	219	53.9	103	48.0
Syphilis and its sequelae (020-029)	3	0.1	3	0.1	-	-	-	-
Whooping cough (056)	5	0.1	1	0.0	1	0.2	3	1.4
Other infective and parasitic diseases (001-019, 031-055, 057-138)	39	0.8	21	0.5	9	2.2	9	4.2
Pneumonia (140-143, 763)	139	2.7	73	1.6	41	10.1	25	11.7
Other diseases of the respiratory system (470-475, 480-483, 500-527)	39	0.8	24	0.5	9	2.2	6	2.8
Gastro-enteritis and colitis (571, 572, 761)	42	0.8	30	0.7	11	2.7	1	0.5
Other diseases of the digestive system (530-570, 573-587)	19	0.4	14	0.3	4	1.0	1	0.5
Congenital malformations (750-759)	201	3.9	185	4.1	7	1.7	4	2.0
Injury at birth (760-761)	193	3.8	153	3.4	31	7.6	9	4.2
Postnatal asphyxia and atelectasis (762)	227	4.4	196	4.3	20	4.9	11	5.1
Hemolytic disease of newborn (erythroblastosis) (770)	32	0.6	30	0.7	2	0.5	-	-
Immaturity (774, 776)	299	5.8	256	5.7	34	8.4	9	4.2
Other certain diseases of early infancy (765-769, 771-773)	83	1.6	52	1.2	59	7	3.3	4.2
Accidents (E800-E992)	54	1.1	40	0.9	10	2.5	4	1.9
Other defined causes	52	1.0	46	1.0	4	1.0	2	0.9
Symptoms and ill-defined conditions (780-793, 795)	39	0.8	20	0.4	12	3.0	7	3.3

*Number per 1,000 live births.

The leading causes of death for this age group varied among the racial groups. Immaturity, when specified as the underlying cause of death, was responsible for 22.4 per cent of the white infant deaths. Pneumonia was the leading cause among Negro and Indian babies, with 18.7 per cent of the Negro infant deaths and 24.3 per cent of the Indian deaths attributed to this cause. The causes of death among infants of each racial group are shown in Table 17.

Since the leading causes of death in babies under one month to one year of age, the two groups are discussed separately. Table 18 shows the four leading causes in 1953 for both age groups.

Table 18

Leading Causes of Death Among Infants Under One Month through Eleven Months of Age, Oklahoma, 1953

Cause of Death	Deaths Under One Month of Age		Deaths One Month through Eleven Months of Age		
	Number	Per Cent	Cause of Death	Number	Per Cent
All Causes	1,025	100.0	All Causes	441	100.0
Immaturity	295	28.8	Pneumonia	105	23.8
Postnatal asphyxia and atelectasis	224	21.9	Congenital malformations	73	16.6
Injury at birth	190	18.5	Accidents	47	10.7
Congenital malformations	128	12.5	Gastro-enteritis and colitis	37	8.4

Deaths of Infants Under One Month of Age

Approximately 69.9 per cent of the total infant deaths occurred during the first month of life. The number of deaths and death rates for each cause for neonatal deaths are shown in Table 19.

Table 19

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

Cause of Death	Deaths Under One Month		Deaths Under One Month		Cause of Death	Deaths Under One Month		
	Total No.	White Rate No.	Negro Rate No.	Indian Rate No.	Per Cent	Months of Age	Number Per Cent	
Neonatal deaths, all causes	1025	20.0	853	18.9	130	32.0	42	19.6
Syphilis and its sequelae (020-029)	3	0.1	3	0.1	-	-	-	-
Whooping cough (056)	-	-	-	-	-	-	-	-
Other infective and parasitic diseases (001-019, 031-055, 057-138)	34	0.1	2	0.0	4	1.0	1	0.5
Pneumonia (140-143, 763)	7	0.1	23	0.5	9	2.2	2	0.9
Other diseases of the respiratory system (470-475, 480-483, 500-527)	5	0.1	1	0.0	4	1.0	-	-
Gastro-enteritis and colitis (571, 572, 761)	5	0.1	5	0.1	-	-	-	-
Other diseases of the digestive system (530-570, 573-587)	10	0.2	9	0.2	1	0.2	-	-
Congenital malformations (750-759)	128	2.5	118	2.6	5	1.2	23	3.7
Injury at birth (760-761)	190	3.7	152	3.4	30	7.4	8	3.7
Postnatal asphyxia and atelectasis (762)	224	4.4	194	4.3	20	4.9	10	4.7
Hemolytic disease of newborn (erythroblastosis) (770)	-	-	-	-	-	-	-	-
Other certain diseases of early infancy (765-769, 771-773)	295	5.8	252	5.6	34	8.4	9	4.2
Accidents (E800-E992)	60	1.2	39	0.9	16	3.9	5	2.3
Other defined causes	7	0.1	7	0.2	-	-	-	-
Symptoms and ill-defined conditions (780-793, 795)	10	0.2	10	0.2	-	-	-	-

*Number per 1,000 live births.

Immaturity, when reported as the underlying cause of death, was the leading cause for both the white and Negro neonatal deaths and the number of deaths from this cause among Indians was exceeded by only one death from the cause postnatal asphyxia and atelectasis. Postnatal asphyxia and atelectasis was the second leading cause of death for the white neonatal deaths. Injury at birth was the second most important cause of death among Negro babies under one month of age and it was third for both the white and Indian neonatal groups.

Of the 1,025 neonatal deaths, 88.6 per cent were under one week of age - 51.4 per cent under one day of age. Neonatal deaths by age in days for each cause are shown in Table 20.

Table 20
Deaths Under One Month, by Cause, by Age
Oklahoma, 1953

Cause of Death	Age in Days										Age in Months
	Under 1	1	2	3	4	5	6	7	11-21	29	
Neonatal deaths, all causes . . .	527	151	103	57	31	23	16	54	38	25	
Syphilis and its sequelae . . .	3	-	-	-	-	-	-	-	-	-	
Whooping cough . . .	-	-	-	-	-	-	-	-	-	-	
Other infective and parasitic diseases . . .	1	6	6	2	5	1	2	2	2	5	
Pneumonia . . .	-	-	-	-	-	-	-	-	-	-	
Other diseases of the respiratory system . . .	-	1	1	1	1	1	1	1	1	1	
Gastro-enteritis and colitis . . .	-	-	-	-	-	-	-	-	-	-	
Other diseases of the digestive system . . .	-	1	2	1	1	1	1	1	1	1	
Congenital malformations . . .	17	17	16	8	4	5	4	10	9	8	
Injury at birth . . .	108	30	18	13	5	5	1	6	3	1	
Postnatal asphyxia and atelectasis . . .	112	51	26	12	7	2	3	4	4	3	
Hemolytic disease of newborn (erythroblastosis) . . .	15	2	3	7	2	-	1	2	-	-	
Immaturity . . .	209	31	22	7	4	5	3	11	3	-	
Other certain diseases of early infancy . . .	26	10	4	5	-	4	1	6	2	2	
Accidents . . .	-	-	-	-	-	-	-	2	1	1	
Other defined causes . . .	3	-	1	2	1	-	1	1	1	1	
Symptoms and ill-defined conditions . . .	3	2	3	-	1	1	2	1	1	1	

Deaths of Infants One through
Eleven Months of Age

Leading causes of death for those infants who had survived the first month of life are shown in Table 21 on page 25. This table indicates that the number of deaths from all causes decreased generally with each month of age.

Table 21
Deaths at One through Eleven Months of Age,
by Cause, by Age, Oklahoma, 1953

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Infant deaths, all causes . . .	441	76	73	50	53	58	35	31	36	29
Syphilis and its sequelae . . .	-	-	-	-	-	-	-	-	-	-
Whooping cough . . .	5	-	-	1	-	1	-	1	-	2
Other infective and parasitic diseases . . .	32	6	6	2	3	4	4	3	3	1
Other diseases of the respiratory system . . .	105	18	15	6	17	16	12	6	7	8
Gastro-enteritis and colitis . . .	37	6	6	4	4	5	2	5	4	1
Other diseases of the digestive system . . .	9	-	-	3	1	2	-	1	2	2
Congenital malformations . . .	73	11	18	9	6	7	5	5	6	3
Injury at birth . . .	3	2	-	-	-	-	-	-	-	1
Postnatal asphyxia and atelectasis . . .	3	-	1	1	1	-	-	-	-	-
Hemolytic disease of newborn (erythroblastosis) . . .	-	-	-	-	-	-	-	-	-	-
Immaturity . . .	4	-	-	-	-	-	-	-	-	-
Other certain diseases of early infancy . . .	23	7	5	2	4	3	-	2	-	-
Accidents . . .	17	6	6	7	4	9	4	3	5	3
Other defined causes . . .	42	9	9	2	6	2	-	3	6	5
Symptoms and ill-defined conditions . . .	24	4	1	6	4	3	1	2	1	2

Symbols Used in Tables

- Number or rate is zero
- ** Item not applicable
- 0.0 Rate is more than 0 but less than 0.05
- Data not available

TABLE A. BIRTHS, DEATHS AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1935-1953 - Continued
Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

Estimated population, July 1	1935	1936	1937	1938	1939	1940
	2,364,447	2,351,965	2,352,826	2,340,865	2,340,905	2,331,857
Live Births*						
Stillbirths*						
Total deaths, all causes ^b	13,691	18,5	14,915	17,7	14,223	17,5
Deaths under 1 year ^b	1,269	22,0	1,182	28,3	1,170	28,4
Deaths under 1 month ^b	2,361	8,9	2,350	9,9	2,359	9,1
Stillbirths ^b	2,367	51,6	2,367	60,0	2,359	57,1
Tuberculosis, pulmonary, severe (1, 2)	107	7,9	131	12,7	132	10,2
Malaria (6)	67	2,8	51	10,0	52	11,4
Southern forms (9)	22	9,9	33	14,4	19	12,8
Whooping cough (9)	357	6,6	411	1,7	362	1,6
Diphtheria (10)	113	6,0	89	0,5	6,6	1,2
Tetanus (22)	1,526	1,1	1,248	0,8	1,189	0,6
Hemorrhoids, all forms (1, 2)	1,535	1,2	1,229	0,8	1,193	0,5
Neoplasms, system (1, 2)	1,535	1,2	1,229	0,8	1,193	0,5
Breast cancer (26)	92	3,9	118	6,3	65	2,8
Malaria (48)	139	5,9	286	12,1	260	11,1
Scabies (20)	267	3,6	377	12,7	372	11,5
Influenza (33)	776	28,7	1,165	49,4	905	11,9
Tuberculosis, all forms (1, 2)	1,575	42,5	1,235	60,2	1,135	53,2
Deaths under 1 month ^b	14	1,9	1,1	0,6	1,1	0,3
Acute rheumatic fever (58)	10	0,4	36	1,5	75	3,2
Hepatitis (67)	8	0,3	38	1,0	74	0,2
Other infections and parasitic diseases (193)	308	5,4	368	15,6	380	13,6
Arthritis, gout and arthridities (69)	96	4,2	116	1,9	55	2,3
Diarrhea, enteritis (9, 10, 11)	134	5,7	217	6,2	219	6,3
Chronic bronchitis and tuberculosis (77-9)	48	2,0	52	2,2	54	2,3
General, hemorrhage, embolism, etc. (78)	1,708	78,2	1,782	75,5	1,666	70,4
Other diseases of the heart (9, 10, 11)	415	17,5	269	16,6	312	12,9
Diseases of the heart (9, 10, 11)	3,121	13,0	3,162	16,8	3,113	12,8
Other diseases of the circulatory system (10-13)	150	2,1	52	2,2	34	1,4
Pneumonia, all forms (10-13)	1,591	81,2	4,213	96,0	1,080	67,7
Other diseases, not elsewhere classified (10-13)	20	10,5	217	9,3	225	9,6
Hypertension (10-13)	210	10,9	218	9,3	10,0	10,0
Barriers and excretions (11-13)	339	5,9	387	16,4	337	11,3
Over 2 years (120)	112	4,7	151	6,4	116	6,2
Septicemia (120)	253	10,9	230	10,5	233	12,7
Hemolytic jaundice (120)	110	2,1	208	3,0	206	3,5
Glycosuria (120)	110	4,7	115	6,9	98	4,2
Other diseases of the digestive system (11-15)	562	23,8	536	22,7	517	22,0
Hepatitis (130-142)	319	55,8	1,067	62,2	1,079	67,1
Other diseases of the genito-urinary system (120-142)	212	13,2	371	15,7	236	10,0
Barriers and excretions (120)	263	13,2	267	14,9	215	9,2
Septicemia (120)	256	5,9	259	6,2	200	4,9
Congenital malformations, diseases peroxal (no. 140-149)	135	3,0	10	4,7	167	5,9
Other diseases of the liver (120)	110	4,7	78	3,3	93	4,3
Other diseases of the digestive system (15-16)	1,085	15,9	1,138	50,1	1,204	53,2
Sulfuric acid (2)	359	17,7	364	50,1	359	40,6
Household acids (2)	251	22,5	235	50,7	200	40,0
Household accidents (10)	661	15,9	639	61,3	557	57,4
Other accidents (169, 17-193)	1,040	18,0	1,267	53,7	910	60,0
Other defined causes (159, 155-156)	110	10	4,7	110	4,7	110
Unspecified and unknown (129, 260)	380	36,1	361	23,3	675	48,6
Total deaths, all causes (per 10,000 estimated population)	4,213	5,6	4,213	4,6	4,213	4,6
Deaths per 1,000 live births (per 100,000 estimated population)	12,5	17,2	11,3	22,1	15,6	17,4
Sources: 1935 through 1953 - Vital Statistics of the United States, Bureau of the Census annual publications; 1937 through 1953 - Oklahoma State Department of Health records, by place of residence.						

TABLE A. BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1935-1953 - Continued
Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

Estimated population, July 1	1940	1941	1942	1943	1944
	2,323,914	2,323,914	2,323,914	2,323,914	2,323,914
Live Births*					
Stillbirths*					
Total deaths, all causes ^b	14,223	17,5	14,223	17,5	14,223
Deaths under 1 year ^b	1,170	1,170	1,170	1,170	1,170
Stillbirths ^b	2,359	51,6	2,359	51,6	2,359
Tuberculosis, pulmonary, severe (1, 2)	107	7,9	131	12,7	132
Malaria (48)	139	5,9	286	12,1	260
Scabies (20)	267	3,6	377	12,7	372
Influenza (33)	776	28,7	1,165	49,4	905
Tuberculosis, all forms (1, 2)	1,525	42,5	1,235	60,2	1,135
Deaths under 1 month ^b	14	1,9	1,1	0,6	1,1
Acute rheumatic fever (58)	10	0,4	36	1,5	75
Hepatitis (67)	8	0,3	38	1,0	74
Other infections and parasitic diseases (193)	308	5,4	368	15,6	380
Arthritis, gout and arthridities (69)	96	4,2	116	1,9	55
Diarrhea, enteritis (9, 10, 11)	134	5,7	217	6,2	219
Chronic bronchitis and tuberculosis (77-9)	48	2,0	52	2,2	54
Other diseases of the heart (9, 10, 11)	1,708	78,2	1,782	75,5	1,666
Other diseases of the heart (9, 10, 11)	3,121	13,0	3,162	16,8	3,113
Other diseases of the circulatory system (10-13)	150	2,1	52	2,2	34
Pneumonia, all forms (10-13)	1,591	81,2	4,213	96,0	1,080
Other diseases, not elsewhere classified (10-13)	20	10,5	217	9,3	225
Hypertension (10-13)	210	10,9	218	9,3	10,0
Barriers and excretions (11-13)	339	5,9	387	16,4	337
Over 2 years (120)	112	4,7	151	6,4	116
Septicemia (120)	253	10,9	230	10,5	233
Hemolytic jaundice (120)	110	2,1	208	3,0	206
Other diseases of the digestive system (11-15)	562	23,8	536	22,7	517
Hepatitis (130-142)	319	55,8	1,067	62,2	1,079
Other diseases of the genito-urinary system (120-142)	212	13,2	371	15,7	236
Barriers and excretions (120)	263	13,2	267	14,9	215
Septicemia (120)	256	5,9	259	6,2	200
Congenital malformations, diseases peroxal (no. 140-149)	135	3,0	10	4,7	167
Other diseases of the liver (120)	110	4,7	78	3,3	93
Other diseases of the digestive system (15-16)	1,085	15,9	1,138	50,1	1,204
Sulfuric acid (2)	359	17,7	364	50,1	359
Household acids (2)	251	22,5	235	50,7	200
Household accidents (10)	661	15,9	639	61,3	557
Other accidents (169, 17-193)	1,040	18,0	1,267	53,7	910
Other defined causes (169, 155-156)	110	10	4,7	110	4,7
Unspecified and unknown (129, 260)	380	36,1	361	23,3	675
Total deaths, all causes (per 10,000 estimated population)	4,213	5,6	4,213	4,6	4,213
Deaths per 1,000 live births (per 100,000 estimated population)	12,5	17,2	11,3	22,1	15,6
Sources: 1935 through 1953 - Vital Statistics of the United States, Bureau of the Census annual publications; 1937 through 1953 - Oklahoma State Department of Health records, by place of residence.					

TABLE A. DEATHS, DEATS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATES, OKLAHOMA, 1925-1953 - Continued

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

TABLE A. DEATHS, DEATS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATES, OKLAHOMA, 1925-1953

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

(Continued)

Estimated population, July 1	1945	1946	1947	1948	1949	
	2,282,317	2,272,009	2,265,701	2,251,393	2,245,055	
Number	Rate	Number	Rate	Number	Rate	
Live Births*	15,105	19.0	15,043	22.0	14,691	23.3
Physician in hospital	13,174	2.0	13,184	1.9	13,048	2.1
Physician in home	3,925	5.3	3,776	4.0	3,754	3.9
Husband, other, or unknown	1,357	2.1	1,375	1.7	1,365	1.7
Physician in hospital	1,297	2.1	1,093	2.1	1,063	1.9
Physician in home	1,779	2.2	1,796	2.0	1,796	2.1
Husband, other, or unknown	339	1.0	756	1.0	860	1.2
Total deaths, all causes ^{**}	16,734	6.2	16,420	6.7	17,074	7.4
Deaths under 1 year ^{***}	1,507	1.0	1,681	1.2	1,574	1.1
Deaths under 1 month ^{***}	1,327	0.6	1,325	0.8	1,325	0.8
Total under 1 year ^{***}	2,834	1.8	2,981	2.0	3,000	2.1
Infant deaths, first year ^{***}	2,798	1.2	2,946	1.2	3,000	1.2
Meningoencephalitis (6)	25	0.1	11	0.5	12	0.1
Scarlet fever (8)	27	0.3	11	0.4	10	0.1
Whooping cough (9)	47	2.1	35	1.1	41	1.0
Diphtheria (10)	31	1.2	31	0.9	15	0.6
Tonsillitis (11)	32	1.3	36	1.1	37	0.9
Bronchitis (12)	2,179	7.9	1,701	6.2	1,719	7.5
Bronchitis system (13)	770	2.7	763	2.7	766	2.7
Trachea (14)	74	0.2	61	0.2	53	0.1
Tracheobronchitis (15)	53	2.1	16	0.6	12	0.1
Tonsillitis, acute (16)	173	6.0	111	3.9	102	4.2
Suppurative tonsillitis (17)	202	7.3	163	5.9	155	6.1
Tonsillitis, chronic (18)	202	9.9	160	8.1	162	8.9
Tonsillitis, acute (19)	-	-	7	-	31	1.1
Acute poliomyelitis and acute poliomyelitis (20)	13	0.6	34	1.5	2	0.1
Acute infectious encephalitis (21)	14	0.2	15	0.2	1	0.0
Other diseases of nervous system, not elsewhere classified (22)	14	0.4	15	0.2	10	0.4
Spina bifida (23)	60	2.6	65	2.7	52	2.3
Cancer (24-25)	2,122	96.9	2,181	97.9	1,901	91.2
Other tumors (26-27)	2,122	3.8	1,744	3.8	1,696	2.4
Tumors (28)	16	0.2	11	0.2	10	0.2
Uterine cancer (29)	356	15.3	356	15.6	356	15.8
Pallor (30)	29	1.3	25	1.1	36	1.1
Other diseases of nutrition, endocrinology, glands, and excretions (31-32)	79	3.5	62	2.7	52	2.3
Diabetes (33)	171	7.5	159	7.0	179	8.3
Chronic constipation and intoxication (34)	16	0.7	25	1.1	23	1.0
Cerebral hemorrhage (embolism) (35)	1,921	83.7	1,921	87.6	2,018	89.5
Other diseases as a complicating factor (36)	234	10.3	272	12.0	216	9.6
Other diseases of heart, endocrine, and excretory (37-38)	4,287	197.8	4,521	199.0	4,960	215.3
Diseases of the heart (39-55)	4,287	197.8	4,521	199.0	4,960	215.3
Other diseases of the circulatory system (56-60)	865	3.7	766	3.3	768	3.0
Other diseases of the respiratory system (61-65)	248	10.9	215	10.8	257	11.4
Diarrhea and enteritis (66-72)	113	5.0	61	2.7	57	2.5
Other diseases (73-139)	14	1.8	29	1.3	34	1.5
Over 2 years (140-205)	32	1.5	36	1.6	35	1.5
Appendicitis (212)	135	5.9	96	4.1	89	3.9
Hernia, intestinal obstruction (132)	195	8.6	161	7.1	151	6.7
Gastritis of the liver (126)	101	4.4	12	5.6	6.8	6.3
Other diseases of the digestive system (146-151)	396	15.9	362	13.6	369	13.7
Diarrhea (152-157)	1,114	48.8	1,019	44.9	1,011	46.7
Other diseases of the genital urinary system (133-139)	214	9.4	211	9.2	200	8.9
Diabetes and pregnancy (148-150)	32	1.5	28	1.3	31	1.5
Spina bifida (156-157)	32	1.4	29	1.3	31	1.4
Congenital malformations (158-167)	1,055	46.2	1,151	51.1	1,165	50.5
Ocular to first year of life (157-161)	215	10.5	163	10.5	170	10.6
Senility (168-171)	133	5.9	12	5.9	17	5.7
Neuritis (169-170)	129	5.8	126	5.5	127	5.7
Other accidents (171-172)	112	10.8	531	23.4	940	24.0
Motor vehicle accidents (173-175)	107	4.7	125	5.2	167	5.5
Other accidents (176-179)	121	8.7	96	4.0	104	4.4
All other accidents (180-205)	1,122	50.8	1,127	52.2	1,067	51.9
All other deaths (180-205)	1,122	50.8	1,127	52.2	1,067	51.9
All deaths (180-205)	1,122	50.8	1,127	52.2	1,067	51.9
1100	50.0	50.0	50.0	50.0	50.0	50.0

** 1950 not included until 1945.

Estimated population, July 1	1949	1950	1951	1952	1953	
	2,241,005	2,233,352**	2,231,730	2,235,339	2,236,918	
Number	Rate	Number	Rate	Number	Rate	
Live births*	19,076	22.3	19,976	22.5	20,142	22.6
Physician in hospital	17,601	22.5	17,557	22.6	17,646	22.4
Physician in home	1,386	1.5	1,392	1.5	1,380	1.5
Husband, other, or unknown	665	17.2	669	16.3	661	15.1
Physician in hospital	665	17.2	669	16.3	661	15.1
Physician in home	303	3.6	303	3.6	303	3.6
Husband, other, or unknown	303	3.6	303	3.6	303	3.6
Total deaths, all causes	19,730	86.6	19,331	86.7	20,082	90.0
Deaths under 1 year ^{***}	1,490	6.1	1,607	6.5	1,621	6.7
Deaths under 1 month ^{***}	1,160	0.5	1,162	0.5	1,160	0.5
Deaths under 1 year ^{***}	2,162	1.1	2,173	1.1	2,184	1.1
Deaths under 1 month ^{***}	2,162	1.1	2,173	1.1	2,184	1.1
Deaths under 1 year ^{***}	2,361	1.2	2,372	1.2	2,383	1.2
Deaths under 1 month ^{***}	2,361	1.2	2,372	1.2	2,383	1.2
Deaths under 1 year ^{***}	2,453	1.2	2,464	1.2	2,475	1.2
Deaths under 1 month ^{***}	2,453	1.2	2,464	1.2	2,475	1.2
Deaths under 1 year ^{***}	2,645	1.2	2,656	1.2	2,667	1.2
Deaths under 1 month ^{***}	2,645	1.2	2,656	1.2	2,667	1.2
Deaths under 1 year ^{***}	2,837	1.2	2,848	1.2	2,859	1.2
Deaths under 1 month ^{***}	2,837	1.2	2,848	1.2	2,859	1.2
Deaths under 1 year ^{***}	3,029	1.2	3,040	1.2	3,051	1.2
Deaths under 1 month ^{***}	3,029	1.2	3,040	1.2	3,051	1.2
Deaths under 1 year ^{***}	3,221	1.2	3,232	1.2	3,243	1.2
Deaths under 1 month ^{***}	3,221	1.2	3,232	1.2	3,243	1.2
Deaths under 1 year ^{***}	3,413	1.2	3,424	1.2	3,435	1.2
Deaths under 1 month ^{***}	3,413	1.2	3,424	1.2	3,435	1.2
Deaths under 1 year ^{***}	3,605	1.2	3,616	1.2	3,627	1.2
Deaths under 1 month ^{***}	3,605	1.2	3,616	1.2	3,627	1.2
Deaths under 1 year ^{***}	3,797	1.2	3,808	1.2	3,819	1.2
Deaths under 1 month ^{***}	3,797	1.2	3,808	1.2	3,819	1.2
Deaths under 1 year ^{***}	4,127	1.2	4,138	1.2	4,149	1.2
Deaths under 1 month ^{***}	4,127	1.2	4,138	1.2	4,149	1.2
Deaths under 1 year ^{***}	4,319	1.2	4,330	1.2	4,341	1.2
Deaths under 1 month ^{***}	4,319	1.2	4,330	1.2	4,341	1.2
Deaths under 1 year ^{***}	4,511	1.2	4,522	1.2	4,533	1.2
Deaths under 1 month ^{***}	4,511	1.2	4,522	1.2	4,533	1.2
Deaths under 1 year ^{***}	4,693	1.2	4,704	1.2	4,715	1.2
Deaths under 1 month ^{***}	4,693	1.2	4,704	1.2	4,715	1.2
Deaths under 1 year ^{***}	4,985	1.2	5,096	1.2	5,107	1.2
Deaths under 1 month ^{***}	4,985	1.2	5,096	1.2	5,107	1.2
Deaths under 1 year ^{***}	5,277	1.2	5,388	1.2	5,399	1.2
Deaths under 1 month ^{***}	5,277	1.2	5,388	1.2	5,399	1.2
Deaths under 1 year ^{***}	5,569	1.2	5,680	1.2	5,691	1.2
Deaths under 1 month ^{***}	5,569	1.2	5,680	1.2	5,691	1.2
Deaths under 1 year ^{***}	5,851	1.2	5,962	1.2	5,973	1.2
Deaths under 1 month ^{***}	5,851	1.2	5,962	1.2	5,973	1.2
Deaths under 1 year ^{***}	6,143	1.2	6,254	1.2	6,265	1.2
Deaths under 1 month ^{***}	6,143	1.2	6,254	1.2	6,265	1.2
Deaths under 1 year ^{***}	6,435	1.2	6,546	1.2	6,557	1.2
Deaths under 1 month ^{***}	6,435	1.2	6,546	1.2	6,557	1.2
Deaths under 1 year ^{***}	6,727	1.2	6,838	1.2	6,849	1.2
Deaths under 1 month ^{***}	6,727	1.2	6,838	1.2	6,849	1.2
Deaths under 1 year ^{***}	7,019	1.2	7,130	1.2	7,141	1.2
Deaths under 1 month ^{***}	7,019	1.2	7,130	1.2	7,141	1.2
Deaths under 1 year ^{***}	7,301	1.2	7,412	1.2	7,423	1.2
Deaths under 1 month ^{***}	7,301	1.2	7,412	1.2	7,423	1.2
Deaths under 1 year ^{***}	7,593	1.2	7,704	1.2	7,715	1.2
Deaths under 1 month ^{***}	7,593	1.2	7,704	1.2	7,715	1.2
Deaths under 1 year ^{***}	7,885	1.2	8,096	1.2	8,107	1.2
Deaths under 1 month ^{***}	7,885	1.2	8,096	1.2	8,107	1.2
Deaths under 1 year ^{***}	8,177	1.2	8,388	1.2	8,399	1.2
Deaths under 1 month ^{***}	8,177	1.2	8,388	1.2	8,399	1.2
Deaths under 1 year ^{***}	8,469	1.2	8,680	1.2	8,691	1.2
Deaths under 1 month ^{***}	8,469	1.2	8,680	1.2	8,691	1.2
Deaths under 1 year ^{***}	8,751	1.2	8,962	1.2	8,973	1.2
Deaths under 1 month ^{***}	8,751	1.2	8,962	1.2	8,973	1.2
Deaths under 1 year ^{***}	9,043	1.2	9,254	1.2	9,265	1.2
Deaths under 1 month ^{***}	9,043	1.2	9,254	1.2	9,265	1.2
Deaths under 1 year ^{***}	9,335	1.2	9,546	1.2	9,557	1.2
Deaths under 1 month ^{***}	9,335	1.2	9,546	1.2	9,557	1.2
Deaths under 1 year ^{***}	9,627	1.2	9,838	1.2	9,849	1.2
Deaths under 1 month ^{***}	9,627	1.2	9,838	1.2	9,849	1.2
Deaths under 1 year ^{***}	9,919	1.2	10,130	1.2	10,141	1.2
Deaths under 1 month ^{***}	9,919	1.2	10,130	1.2	10,141	1.2
Deaths under 1 year ^{***}	10,201	1.2	1			

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

Cause of Death	International List						Adjusted Deaths					
	5th Revision Number	6th Revision Number	Comparative Ratio**	1940 Rate	1941 Rate	1942 Rate	1943 Rate	1944 Rate	Number	Rate	Number	Rate
Tuberculosis, all forms	(13-28)	(001-415)	0.9617	1.082	1.024	1.023	111.0	936	105	894	36.8	850
	(13)	(003-408)	0.9627	993	12.5	936	104.3	873	31.7	824	35.8	37.4
Tuberculosis, respiratory system												
Syphilis	(30)	(020-029)	0.8921	295	9.6	191	8.2	116	6.3	179	7.8	15.8
Influenza	(33)	(140-143)	1.2105	713	30.6	655	28.2	287	18.1	358	15.5	127
Cancer	(15-55)	(110-125)	1.0355*	1,928	85.4	1,953	86.1	1,977	86.3	2,085	91.0	
Acute rheumatic fever	(58)	(100-102)	1.0460	212	2.4	290	1.6	32	1.4	37	1.6	31
Cerebral hemorrhage, embolism, thrombosis, softening, etc..	(61)	(260)	0.6727	223	9.6	230	9.9	225	9.7	257	11.2	220
Diseases of the heart	(83)	(330-334)	1.0168	1,778	Blu.8	1,697	81.6	2,010	86.9	2,335	92.7	1,941
Pneumonia, all forms	(107-109)	(107-109)	0.8688	1,505	98.1	1,596	107.3	4,490	139.1	1,791	206.0	4,244
Appendicitis	(121)	(550-551)	0.9594	281	18.0	239	16.3	169	7.3	152	6.6	145
Gastritis or the liver	(124)	(561)	0.6099	96	4.1	78	3.4	83	3.6	93	4.0	69
Nephritis	(130-132)	(150-154)	0.4530	679	29.1	659	26.2	538	23.3	582	25.3	23.2
Conventional malformations, disease peculiar to first year of life	(157-161)	(750-776)	1.0261	1,310	56.1	1,395	60.0	1,121	48.5	1,283	55.7	1,185
Accidents	(169-175)	(800-826)	0.9180	1,271	54.6	1,377	59.3	1,377	59.5	1,398	56.1	1,299
	International List						Adjusted Deaths					
	5th Revision Number	6th Revision Number	Comparative Ratio**	1945	1946	1947	1948	1949	Number	Rate	Number	Rate
Tuberculosis, all forms	(13-28)	(001-415)	0.9617	792	34.7	577	29.8	680	30.1	598	26.6	523
Tuberculosis, respiratory system	(13)	(001-008)	0.9827	712	38.5	629	27.7	639	28.3	559	21.8	470
Syphilis	(30)	(020-029)	0.8921	147	6.1	163	7.2	150	6.5	138	6.1	121
Influenza	(33)	(140-143)	1.2105	272	11.9	230	10.1	244	10.6	184	6.4	92
Cancer	(15-55)	(110-125)	1.0355*	1,924	98.1	2,020	107.3	2,529	112.3	2,595	118.1	
Acute rheumatic fever	(58)	(100-102)	1.4667	25	1.1	22	1.0	12	0.5	13	0.6	22
Diabetes mellitus	(61)	(260)	0.6727	239	10.5	231	10.2	237	10.5	264	11.7	298
Cerebral hemorrhage, embolism, thrombosis, softening, etc..	(83)	(330-334)	1.0168	1,499	87.6	2,083	91.7	2,111	93.3	2,107	93.6	2,197
Diseases of the heart	(90-95)	(110-143)	1.0852	4,256	203.8	4,906	215.9	5,383	236.0	5,631	250.1	5,855
Pneumonia, all forms	(107-109)	(140-152)	0.8682	752	32.9	667	27.4	684	30.2	629	27.9	550
Appendicitis	(121)	(550-551)	0.9594	126	5.5	87	3.8	83	3.7	79	3.5	34.5
Gastritis or the liver	(124)	(561)	0.8099	82	3.6	107	9.7	92	4.1	125	5.6	115
Nephritis	(130-132)	(150-154)	0.4530	516	22.6	472	20.8	468	20.7	479	21.3	494
Conventional malformations, disease peculiar to first year of life	(157-161)	(750-776)	1.0261	1,310	56.1	1,395	60.0	1,377	59.3	1,398	56.1	1,299
Accidents	(169-175)	(800-826)	0.9180	1,271	54.6	1,377	59.3	1,377	59.5	1,398	56.1	1,299
	Ratio of 1949 deaths classified by sixth revision (including leukemia) to 1949 deaths classified by fifth revision of International List.						Ratio of 1949 deaths classified by fifth revision of International List.					

*Ratio of 1949 deaths classified by sixth revision (including leukemia) to 1949 deaths classified by fifth revision of International List.

**Ratios represent number per 1,000 estimated population.

All figures in this table are per place of occurrence.

TABLE C. RECORDED BIRTHS, STILLBIRTHS, DEATHS, INFANT AND NEONATAL DEATHS, NUMBER AND RATE, BY COUNTY, OKLAHOMA, 1953

County	BIRTHS	STILLBIRTHS	DEATHS	INFANT DEATHS	NEONATAL DEATHS	INFANT RATE*	NEONATAL RATE*	
Number	Rate**	Number	Rate**	Number	Rate**	Number	Rate**	
EMERSON STATE	51,323	22.9	865	16.2	19,220	8.6	1,012	1.97
Adair	170	11.4	2	11.8	161	11.0	3	17.6
Alewife	116	12.1	6	10.0	62	11.2	2	17.2
Atoka	140	14.0	6	50.0	46	5.7	3	13.3
Beverly	98	14.0	3	30.6	30	3.1	2	20.0
Bethel	596	27.8	8	11.4	20	9.0	7	11.7
Bessemer	254	18.3	5	19.7	21	7.5	2	15.0
Bethune	566	17.4	12	23.7	76	7.7	21	17.4
Benton	171	11.3	5	28.0	193	5.9	2	15.9
Bernard	306	11.3	11	20.5	165	6.6	2	16.8
Bethany	874	21.0	11	21.0	91	9.7	2	21.4
Cherokee	571	30.1	12	24.3	165	9.1	2	26.3
Choctaw	445	21.0	12	16.2	165	9.1	2	21.5
Clayton	92	18.0	2	21.7	91	9.1	2	21.4
Cleveland	660	14.4	11	22.7	111	9.0	2	16.8
Cochran	213	16.8	3	22.7	63	8.3	2	20.8
Comanche	216	16.5	3	22.7	67	6.7	2	20.8
Custer	218	16.3	3	22.7	67	6.5	2	20.8
Delaware	57	3.9	6	105.3	92	6.2	1	17.5
Dewey	16	2.1	4	44.4	10	1.1	1	16.5
Garfield	136	12.6	2	12.7	75	10.6	3	22.1
Graves	213	16.3	3	22.7	75	6.7	2	20.8
Harrison	216	16.3	3	22.7	75	6.5	2	20.8
Harmon	151	13.9	2	13.2	87	6.9	2	11.2
Haskell	83	11.1	3	31.2	61	7.4	2	19.9
Hearne	111	8.5	3	36.1	38	6.4	2	30.5
Jackson	362	16.2	2	10.0	10	1.0	1	10.0
Jefferson	102	20.4	1	9.8	10	9.1	1	10.0
Kingfisher	210	13.1	1	9.8	10	9.1	1	9.8
Kosciusko	308	17.4	1	9.8	10	9.1	1	9.8
Lawton	321	13.1	11	21.7	10	7.0	7	12.0
Lawrence	390	18.0	6	10.0	35	6.0	6	20.1
Leflore	57	7.6	1	17.7	21	3.7	1	17.7
McGowen	238	16.5	7	22.7	22	9.2	2	22.2
Mahaska	77	7.7	6	24.6	22	7.0	2	24.6
Maitland	263	14.7	9	34.2	115	7.3	2	34.2
Mauritanian	149	10.4	1	10.4	46	1.1	1	10.4
Mayes	124	16.0	2	15.3	60	7.3	1	15.3
McCracken	203	18.4	1	10.0	30	10.0	1	10.0
Muskogee	1,363	13.9	3	23.0	110	7.0	3	23.0
Newcastle	157	13.9	1	10.7	30	8.0	1	10.7
Nowata	197	13.5	3	23.0	107	8.4	6	20.5
Oktaha	195	13.5	3	23.0	107	8.4	6	20.5
Oklahoma	1075	20.9	142	13.1	3,142	3.6	262	2.7
Oklahoma City	264	19.0	1	10.4	392	9.2	30	33.8
Oklahoma River	261	19.7	1	10.4	392	9.2	30	33.8
Ottawa	164	12.7	1	12.7	229	7.6	1	12.7
Pawnee	267	16.6	3	23.7	194	6.9	1	23.7
Pottawatomie	1,182	23.7	23	19.5	290	12.5	13	21.4
Pittsburg	257	25.9	12	19.5	363	9.4	6	21.4
Poteau	720	23.3	13	18.1	291	11.1	12	22.4
Pottawatomie	987	24.7	10	21.0	396	9.9	19	24.5
Rainbow Hills	116	9.7	1	8.6	69	5.7	1	8.6
Rogers	605	13.0	26	20.5	37	5.9	4	20.5
Seminole	610	17.9	11	20.0	72	6.2	1	19.6
Sequoyah	387	15.5	5	16.3	20	10.6	2	21.8
Stephens	992	20.3	9	21.4	259	10.3	10	21.4
Talihwa	257	16.4	4	15.6	78	5.0	6	14.1
Taney	203	17.1	3	15.5	115	6.9	2	15.5
Teej	161	16.3	2	15.0	2,377	21.6	165	28.9
Wagoner	984	14.4	15	10.9	110	7.3	11	22.7
Washington	982	21.4	11	22.5	1,142	12.0	12	14.2
Washita	910	16.0	11	15.9	160	7.2	7	14.2
Woodward	295	20.8	5	16.9	105	10.5	4	12.6
	356	20.8	1	10.5	198	10.5	4	12.6

TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES
NUMBER AND RATE, BY RACE, OKLAHOMA, 1953

Estimated population, July 1, 1953	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Total deaths, all causes*	2,226,918	8.9	17,132	8.6	1,008	12.4	560	10.8
Tuberculosis of respiratory system (010-019)	23,200	10.3	1,62	8.0	33	22.7	36	67.0
Respiratory system (010-019), central nervous system (019-020)	23,200	10.3	1,62	8.0	33	22.7	36	67.0
Tuberculous of intestine, peritoneum and mesenteric glands (011)	7	0.3	2	0.1	1	0.7	4	7.4
Tuberculosis of bone and joints (012, 013)	1	0.0	1	0.0	—	—	1	1.9
Congenital syphilis (020)	1	0.0	1	0.1	2	1.4	2	3.7
Early syphilis (021)	3	0.1	3	0.1	—	—	—	—
Tubes dorsalis (024)	2	0.1	2	0.1	—	—	—	—
General paralysis of insane (025-026)	21	0.9	14	0.8	22	1.4	21	3.9
All other syphilis (027-029)	63	2.7	44	2.0	27	1.7	33	5.6
Diphtheria, laryngitis, tracheobronchitis (030-035)	—	—	—	—	—	—	—	—
Parotitis, fever and other Salmonella infections (036, 037)	2	0.1	1	0.0	—	—	1	1.9
Cholera (043)	—	—	—	—	—	—	—	—
Brucellosis (undulant fever) (044)	—	—	—	—	—	—	—	—
Dysentery, all forms (045-046)	20	0.9	12	0.6	5	3.4	3	5.6
Streptococcal sore throat (051)	20	0.9	14	0.8	—	—	—	—
Escherichia coli (052)	1	0.1	1	0.0	—	—	—	—
Salmonella and typhimurium (053)	19	0.8	15	0.7	3	2.1	2	3.7
Diphtheria (054)	—	—	—	—	—	—	—	—
Whooping cough (056)	9	0.4	6	0.4	2	1.4	7	7.4
Hepatitis (057)	—	—	—	—	—	—	—	—
Phage (058)	—	—	—	—	—	—	—	—
Impetigo (060)	—	—	—	—	—	—	—	—
Tetanus (061)	20	0.9	7	0.3	3	2.1	—	—
Antitoxin (062)	—	—	—	—	—	—	—	—
Acute poliomyelitis (060)	16	0.7	14	0.7	2	1.4	—	—
Late effects of acute poliomyelitis and acute infectious encephalitis (061, 063)	4	0.2	3	0.1	1	0.7	—	—
Malaria (100-107)	3	0.1	3	0.1	—	—	—	—
Schistosomiasis (123)	—	—	—	—	—	—	—	—
Lymphatic diseases (125)	16	0.7	11	0.5	5	9.3	—	—
Filarials (127)	—	—	—	—	—	—	—	—
Amyloidosis (129)	—	—	—	—	—	—	—	—
Other diseases due to helminths (146, 148, 149, 150)	13	0.6	11	0.5	7	1.9	—	—
All nontraumatic diseases as defined by the International Classification of Diseases, 1950 Revision (100-199)	1,000	4.4	740	3.3	450	3.2	370	6.5
Malignant neoplasm of skin (190-199)	63	0.6	63	0.5	36	3.0	36	5.6
Malignant neoplasm of breast (190)	59	0.5	59	0.5	30	2.6	30	5.3
Malignant neoplasm of stomach (191)	36	1.6	29	1.4	21	1.4	21	3.7
Malignant neoplasm of intestine, except rectum (192-195)	36	1.1	28	1.1	20	1.0	20	3.5
Malignant neoplasm of rectum (196)	29	1.0	25	1.1	11	1.9	11	1.9
Malignant neoplasm of liver (197)	16	0.6	16	0.6	7	4.8	3	5.6
Malignant neoplasm of bone and connective tissue (198, 199)	17	0.8	17	0.8	—	—	—	—
Malignant neoplasm of oral cavity and secondary (190-199)	69	3.1	59	2.9	20	6.9	—	—
Malignant neoplasm of esophagus (190)	36	1.4	29	1.4	7	7.0	120	—
Malignant neoplasm of other and unspecified parts of uterus (197-199)	111	5.0	86	4.2	20	13.7	5	9.3
Malignant neoplasm of prostate (197)	76	3.4	75	3.7	1	0.7	4	7.4
Malignant neoplasm of bone and connective tissue (198, 199)	51	2.3	48	2.4	1	0.7	2	3.7

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

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TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES
NUMBER AND RATE, BY RACE, OKLAHOMA, 1953
(continued)

Number	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasm of all other and unspecified sites (190-199)	806	36.0	737	36.2	50	34.4	19	35.3
Laryngeal carcinoma (090-094)	161	7.2	152	7.5	8	54.5	1	1.9
Esophageal carcinoma (140-144)	111	5.0	103	5.1	7	4.8	1	1.9
Bronchogenic carcinoma (160-164)	253	11.4	227	10.5	21	2.1	—	—
Breast carcinoma (170-174)	52	2.3	43	2.1	7	4.8	2	3.7
Prostatic carcinoma (250-254)	17	0.8	12	0.7	2	1.4	1	1.9
Thyroid carcinoma with or without goiter (262)	310	15.2	288	14.1	36	26.8	13	41.2
Mammary carcinoma and other deficiency states (280-285)	26	1.2	21	2.1	3	2.1	2	3.7
Kidney carcinoma (290-294)	64	2.9	54	2.7	7	4.8	3	5.6
All other carcinomas, all other endocrine (295-300)	32	1.4	27	1.3	4	2.7	—	—
Neurofibromatosis (300-304)	18	0.8	18	0.9	—	—	—	—
Psychoneuroses and disorders of personality (310-326)	54	2.4	49	2.4	5	3.4	—	—
Mental deficiency (345)	1	0.0	1	0.0	—	—	—	—
Mental retardation (346)	—	—	—	—	—	—	—	—
Mental lesions affecting central nervous system (347-352)	—	—	—	—	—	—	—	—
Nonhemangioblastic meningitis (348)	—	—	—	—	—	—	—	—
Multiple sclerosis (345)	—	—	—	—	—	—	—	—
Inflammation, diseases of eye (370-379)	—	—	—	—	—	—	—	—
Other diseases of eye (380-387)	—	—	—	—	—	—	—	—
Otitis media and mastoiditis (390-393)	—	—	—	—	—	—	—	—
All other diseases of ear, nose and throat (394-399)	—	—	—	—	—	—	—	—
Hypertension (390-399)	132	5.9	111	5.4	18	12.4	3	5.6
Rheumatic fever (390-400)	11	0.5	116	0.5	15	2.7	1	1.9
Chronic rheumatic heart disease (410-416)	157	7.0	138	6.8	10	20.3	7	7.4
Arteriosclerosis and degenerative heart disease (420-422)	4,713	212.0	4,431	217.5	210	165.6	122	32.0
Other diseases of heart (340-349)	575	25.7	531	25.2	35	35.7	16	33.5
Perforation with heart disease (420-433)	782	35.0	763	32.0	111	11.1	18	35.3
Hypertension (430-439)	166	7.4	154	7.6	26	17.9	5	9.2
Diabetes or arteriosclerosis (430-436)	202	9.0	173	8.5	26	17.9	3	9.2
Other diseases of circulatory system (440-460)	156	8.4	204	20.7	29	19.2	21	39.1
Acute upper respiratory infections (470-475)	54	2.4	46	2.3	6	4.1	2	3.7
Influenza (470-483)	19	0.8	18	0.8	1	0.7	—	—
Lobar pneumonia (490)	166	7.2	132	10.9	24	22.0	13	28.6
Bronchopneumonia (491)	199	8.9	154	10.6	10	10.0	17	35.3
Primary atypical, other and unspecified pneumonia (492-497)	232	10.4	193	9.0	28	19.2	21	39.1
Asthma, chronic and unqualified (500-502)	103	0.3	5	0.2	—	—	—	—
Hepatitis of tonsil, adenoids (500)	27	1.2	24	1.2	3	2.1	—	—
Hepatitis and abscess of lung (501, 521)	14	0.6	11	0.5	3	2.7	—	—
Pneumonia and bronchitis (502)	1	0.0	1	0.0	—	—	—	—
All other respiratory diseases (511-517)	127	5.7	118	5.6	8	5.5	1	1.9
Diseases of teeth and supporting structures (520-525)	3	0.1	3	0.1	—	—	—	—
Diseases of skin (500-504)	27	1.2	24	1.2	4	2.7	1	1.9
Diseases of mucous membranes (540-544)	45	1.9	45	2.1	4	2.7	—	—
Hypertension of tonsil, adenoids (520)	7	0.3	7	0.3	—	—	—	—
Infectious abortion and hemorrhage (550-554)	42	1.9	36	1.8	5	3.4	1	1.9
Gastro-enteritis and colitis, acute	124	5.5	107	5.3	14	9.6	3	5.6
Diarrhea of the newborn (571, 572)	81	3.6	65	3.2	12	8.2	4	7.4
Cholera and cholera-typhus (500-505)	130	5.8	113	5.5	5	3.4	12	22.3
Typhus (555)	78	3.4	69	3.4	4	7.4	—	—

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TABLE I. RESIDENT DEATHS BY INTERNATIONAL INTERMEDIATE LIST OF 150 CAUSES

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	Nonwhite		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Other diseases of digestive system (534-539, 542-544, 545-549)	120	54.4	103	5.1	13	8.9	4	74
Acute nephritis (540)	20	0.9	-	-	3	2.1	3	54
Chronic, other and unspecified nephritis (551-554)	153	15.8	203	13.9	56	38.5	14	26.0
Infection of kidney (600)	13	1.9	37	1.6	4	2.7	2	3.7
Infection of urinary system (601-604)	12	5.5	12	5.0	14	9.6	1	1.9
Pyelonephritis or pyuria (601)	112	5.0	97	4.6	-	-	-	-
Other diseases of kidney (605-607)	-	-	-	-	-	-	-	-
Other diseases of bladder (608-610)	-	-	-	-	-	-	-	-
Other diseases of ureters (611-617)	59	2.6	54	2.7	4	2.7	1	1.9
Spasmodic or paroxysmal, obstrutive, etc., of the urinary tract (618-620)	5	0.2	5	0.2	-	-	-	-
Toxemia of pregnancy and the puerperium (621-625, 625-626)	6	0.3	2	0.1	3	2.1	1	1.9
Hemorrhage of pregnancy and childbirth (623, 624, 626-627)	10	0.4	6	0.3	2	1.4	2	3.7
Abortion without mention of sepsis or toxemia (628)	3	0.1	2	0.1	1	0.7	-	-
Abortion, main lesions (629)	-	-	-	-	-	-	-	-
Other complications of pregnancy, childbirth and puerperium (629-631, 634-672-684)	13	0.6	5	0.2	7	4.8	1	1.9
Infections of skin and subcutaneous tissue (690-699)	13	0.6	5	0.2	7	4.8	1	1.9
Arthritis and periarthritis (720-725)	8	0.4	5	0.2	3	2.1	-	-
Muscular rheumatism and rheumatism, unspecified (726-727)	63	2.8	58	2.0	3	2.7	1	1.9
Osteoarthritis and periarthritis (730)	1	0.2	3	0.1	1	0.7	-	-
Angiitis and acquired musculoskeletal deformities (731-735)	1	0.0	1	0.0	-	-	-	-
All other diseases of skin and mucous membrane, systemic (736-738)	2	0.1	2	0.1	-	-	-	-
Skin, teeth, ear, nose, eye, etc. (739-751)	25	1.1	22	1.1	3	2.1	-	-
Congenital malformation of external eye and brain (752-754)	26	1.2	24	1.2	-	-	3.7	-
All other congenital malformations (750- 753, 755-759)	108	4.8	100	4.9	5	3.4	3	5.6
Birth injuries (760-763)	111	5.0	99	4.9	7	4.8	5	9.3
Postnatal anapxia and tetanus (762)	87	4.7	154	7.6	31	21.9	9	16.7
Infections of the newborn (765-768)	27	1.6	196	9.6	20	13.7	11	20.5
Hemolytic disease of newborn (770-771)	12	1.6	29	2.0	8	5.7	4	7.4
All other specific diseases of early infancy (775-778)	32	1.4	30	1.5	2	1.4	1	1.4
Infantile disease peculiar to early infancy (779-782) and immaturity, unspecified (783-786)	42	1.9	24	1.2	15	10.3	3	5.6
Semiflary without mention of condition (791)	36	15.0	282	13.8	13	22.6	11	20.5
ILI-defined and unknown causes of mortality	186	7.5	146	7.2	20	12.7	3	3.7
Motor vehicle accidents (810-815)	159	20.5	363	17.8	65	34.7	31	57.7
Other transport accidents (810-820)	607	27.5	532	26.1	50	34.4	25	46.5
EDB (820-826)	97	4.3	85	4.2	5	3.4	7	13.0
Accidental poisoning (820-825)	43	1.9	37	1.0	3	2.1	1	1.9
All other accidental and nonfatal injuries (826-834)	273	12.2	255	12.5	13	8.9	5	9.3
Accident caused by machinery (831-832)	17	0.8	25	0.8	1	0.7	-	-
Accidents caused by fire and explosion or concealed manner (830-831)	16	5.2	85	4.2	29	19.9	2	3.7
Accident caused by nonintentional fire (830-831)	8	0.4	6	0.3	2	1.4	-	-
Accidents caused by fire (832-833)	13	1.6	42	2.0	1	0.7	1	1.9
All other social and nonsocial injuries (834-839)	59	2.6	53	2.6	4	2.7	3	7.7
Suicide and self-inflicted injury (840- 849, 850-859)	82	3.6	159	7.8	17	11.7	6	11.2
Homocide and injury purposely inflicted by other person (not in war) (850-855)	105	8.7	190	9.3	1	0.7	4	7.4
Injury resulting from operations of war (850-859)	118	5.3	55	2.7	50	34.4	13	24.2
Injury resulting from operations of war (850-859)	3	0.1	3	0.1	-	-	-	-

TABLE II. RESIDENT BIRTHS, DEATHS, AND DEATHS BY INTENATIONAL ABERRATION FROM OR TO SAIGON

Estimated population, July 1, 1953	Total		White		Negro		Indian
	Number	Rate	Number	Rate	Number	Rate	
Live births*	2,235,910	2,031,676	215,303	53,169			
Physician in hospital	22,9	15,007	22,1	6,063	27,9	3,105	39,2
Physician in private home	45,253	42,521	42,013	10,651	42,12	5,966	39,3
Midwife, other, or unknown	3,333	2,550	3,333	850	3,333	422	3,333
Stillbirths**	1,075	15,9	1,055	2,850	1,077	1,595	117
Physician in hospital	605	57	603	57	605	57	59
Physician in nonprivate home	103	10	97	9	105	10	105
Midwife, other, or unknown	2,922	2,822	2,822	20	2,922	20	2,922
Total deaths, all causes	39,822	38,675	38,675	10,132	39,822	10,132	39,822
Deaths under 1 month	1,065	28,0	1,065	8,0	1,065	8,0	1,065
Tuberculosis of respiratory system (001-008)	1,025	231	1,023	83	1,025	120	1,025
Tuberculosis, other forms (010-019)	161	103	162	33	161	19	161
Syphilis and its sequelae (020-029)	83	37	58	2,8	83	2,8	83
Spina bifida (030-039)	20	9	12	0,6	20	1,14	20
Hereditary, all forms (040-049)	231	11	231	1	231	1	231
Scabies, all forms (050-059)	6	0,3	5	0,2	6	1	6
Diarrhea and enterocolitis, acute	1,025	32,0	1,025	8,0	1,025	8,0	1,025
Measles (055)	9	0,4	2	0,1	9	1,9	9
Measles, congenital (056)	10	0,4	2	0,1	10	1,9	10
Measles, infantile (057)	16	0,7	11	0,7	16	3,7	16
Acute poliomyelitis (080)	16	0,7	11	0,5	16	3,7	16
Smallpox (090)	16	0,7	11	0,5	16	3,7	16
Pneumonia (095)	1	0,0	—	—	1	1,9	1
Other diseases of heart and blood vessels (100-199)	1	0,0	—	—	1	1,9	1
All other diseases classified as heart disease	1	0,0	—	—	1	1,9	1
All paroxysms (100-199), 001, 002, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 199, 200, 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1120, 1120, 1121, 1121, 1122, 1122, 1123, 1123, 1124, 1124, 1125, 1125, 1126, 1126, 1127, 1127, 1128, 1128, 1129, 1129, 1130, 1130, 1131, 1131, 1132, 1132, 1133, 1133, 1134, 1134, 1135, 1135, 1136, 1136, 1137, 1137, 1138, 1138, 1139, 1139, 1140, 1140, 1141, 1141, 1142, 1142, 1143, 1143, 1144, 1144, 1145, 1145, 1146, 1146, 1147, 1147, 1148, 1148, 1149, 1149, 1150, 1150, 1151, 1151, 1152, 1152, 1153, 1153, 1154, 1154, 1155, 1155, 1156, 1156, 1157, 1157, 1158, 1158, 1159, 1159, 1160, 1160, 1161, 1161, 1162, 1162, 1163, 1163, 1164, 1164, 1165, 1165, 1166, 1166, 1167, 1167, 1168, 1168, 1169, 1169, 1170, 1170, 1171, 1171, 1172, 1172, 1173, 1173, 1174, 1174, 1175, 1175, 1176, 1176, 1177, 1177, 1178, 1178, 1179, 1179, 1180, 1180, 1181, 1181, 1182, 1182, 1183, 1183, 1184, 1184, 1185, 1185, 1186, 1186, 1187, 1187, 1188, 1188, 1189, 1189, 1190, 1190, 1191, 1191, 1192, 1192, 1193, 1193, 1194, 1194, 1195, 1195, 1196, 1196, 1197, 1197, 1198, 1198, 1199, 1199, 1200, 1200, 1201, 1201, 1202, 1202, 1203, 1203, 1204, 1204, 1205, 1205, 1206, 1206, 1							

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSES
BY RACE, SEX, AND AGE, OKLAHOMA, 1953

(Continued)

Cause of Death	All Ages*				Under 1 Year				
	White	Negro	Indian	White	Negro	Indian	White	Negro	Indian
Total deaths, all causes	10,341	6,936	1,009	799	326	133	86	58	15
Tuberculosis of respiratory system (001-008)	111	21	17	16	20	16	—	—	—
Tuberculosis, other forms (010-019)	4	2	3	3	4	3	—	—	—
Syphilis and its sequelae (020-029)	16	12	15	6	4	3	—	—	—
Typhoid fever (040)	6	6	5	—	2	1	3	4	2
Brucellosis, all forms (051-060)	—	—	—	—	—	—	—	—	—
Sore throat, laryngeal and tracheobronchial sore throat (061-070)	3	2	—	—	1	1	—	—	—
Diphtheria (071)	—	—	—	—	—	—	—	—	—
Whooping cough (076)	5	3	2	2	2	1	1	2	1
Meningoencephalitis (077)	—	—	—	—	—	—	—	—	—
Acute poliomyelitis (080)	—	8	6	—	—	2	—	—	—
Influenza (081)	—	3	6	—	—	1	—	—	—
Pneumonia, other, pleuropneumonia (082)	—	—	—	—	—	—	—	—	—
Malaria (110-117)	—	—	—	—	—	—	—	—	—
All other diseases classified as infective and parasitic (090-099, 011, 012, 013, 014, 015, 016, 017-019, 051-059, 059-070, 081-083, 086-096)	1,438	1,254	91	115	23	35	2	2	—
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (110-205)	1,192	1,24	1	16	2	2	—	—	—
Breast and unspecified neoplasms (206-239)	1,12	10	29	5	8	2	1	—	—
Diabetes mellitus (240-249)	23	31	—	—	—	—	—	—	—
Vascular conditions affecting central nervous system (250-259)	1,139	1,092	113	115	32	21	5	6	2
Meningoencephalitis (260)	132	12	3	—	—	—	—	—	—
Arteriosclerosis and degenerative heart diseases (260-272)	1,125	1,16	10	29	2	2	1	—	—
Rheumatic fever (300-304)	74	64	10	3	2	2	—	—	—
Chronic rheumatic heart disease (310-315)	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart diseases (320-322)	—	—	—	—	—	—	—	—	—
Other diseases of heart (330-349)	2,911	1,160	101	147	24	1	1	—	—
Hypertension, essential hypertension (350-359)	267	306	26	53	7	11	—	—	—
Hypertension, other, including malignant hypertension (360-369)	—	—	—	—	—	—	—	—	—
Influenza (360-363)	119	85	13	13	2	7	6	2	1
Phthisis (364-365)	23	23	14	9	2	1	4	2	1
Bronchitis (366-367)	227	242	53	28	27	20	19	33	15
Inflammation of trachea and bronchium (368-369)	76	16	3	2	1	—	—	—	—
Treatment of tuberculosis and syphilis (370-379)	26	10	3	2	1	—	—	—	—
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (380-389)	61	46	4	10	1	2	4	3	2
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (390-399)	—	—	—	—	—	—	—	—	—
Infection of the newborn (390-399)	11	27	8	8	1	3	18	7	6
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (400-409)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (410-419)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (420-429)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (430-439)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (440-449)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (450-459)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (460-469)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (470-479)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (480-489)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (490-499)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (500-509)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (510-519)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (520-529)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (530-539)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (540-549)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (550-559)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (560-569)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (570-579)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (580-589)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (590-599)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (600-609)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (610-619)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (620-629)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (630-639)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (640-649)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (650-659)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (660-669)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (670-679)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (680-689)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (690-699)	11	12	2	7	1	3	4	2	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (700-709)	11	12	2	7	1	3	4	2	1
All other diseases (residual)	815	581	97	10	16	21	9	3	4
All other accidents (280-289, 340-349, 350-359, 370-379, 380-389, 390-399, 400-409, 410-419, 420-429, 430-439, 440-449, 450-459, 460-469, 470-479, 480-489, 490-499, 500-509, 510-519, 520-529, 530-539, 540-549, 550-559, 560-569, 570-579, 580-589, 590-599, 600-609, 610-619, 620-629, 630-639, 640-649, 650-659, 660-669, 670-679, 680-689, 690-699)	—	—	—	—	—	—	—	—	—

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

TABLE III. RESIDENT DEATHS BY INTERNATIONAL ABBREVIATED LIST OF 50 CAUSESSES BY RACE, SEX, AND AGE, OKLAHOMA, 1953

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TABLE IV. LEADING CAUSES OF DEATH, NUMBER AND PER CENT, BY RACE, BY AGE GROUP, OKLAHOMA, 1953

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OLAHOMA, 1953

Estimated population, July 1, 1953	WHITE			ASIANA			BLACK		
	Total	No.	Race	Total	No.	Race	Total	No.	Race
LIVE BIRTHS*	11,918	No.	Race	9,504	No.	Race	11,269	No.	Race
Physician in hospital	273	224	205	334	177	177	111	131	131
Physician in home	144	162	-	111	176	165	107	206	205
Midwife, other, or unknown	17	15	10	9	1	1	23	29	28
Stillbirths*	35	2	4	1	1	1	6	7	7
Physician in hospital	1	1	1	1	1	1	1	1	1
Physician in home	1	1	1	1	1	1	1	1	1
Total deaths, all causes	119	106	104	96	102	98	75	66	74
Deaths under 1 year	119	106	104	96	102	98	75	66	74
Tuberculosis of respiratory system (001-009)	6	10.2	6	6	22.6	4	3	11.2	3
Tuberculous, other forms (010-019)	2	1.4	2	1	10.4	1	1	2.1	1
Syphilis and its sequelae (020-029)	1	1	1	1	1	1	1	1	1
Spina bifida, anencephaly, hydrocephalus (050-059)	1	1	1	1	1	1	1	1	1
Diphtheria (055)	1	4	-	1	1	1	1	1	1
Whooping cough (065)	1	6.7	-	1	1	1	1	1	1
Meningococcal infections (057)	1	1	-	1	1	1	1	1	1
Knot poliomyelitis (060)	1	1	-	1	1	1	1	1	1
Smallpox (060)	1	1	-	1	1	1	1	1	1
Tuberculosis, other intestinal diseases (100-108)*	1	6.7	-	1	1	1	1	1	1
Malaria (110-117)	-	-	-	-	-	-	-	-	-
All other diseases classified as infectious and parasitic (00-039, 069-074, 081-083, 086-096, 097-109)	1	6.7	1	-	1	104	1	-	-
Measles (000-009), including rubeola and rubella	17	11.0	15	2	11.1	11	15	10.1	11
Bridge and unspecified neoplasms (210-229)	3	20.1	1	2	20.9	2	2	21.0	2
Diabetes mellitus (260)	1	1	-	1	1	1	1	1	1
Varicella (350-359)	12	86.7	7	5	16.6	9	16	98.1	10
Herpes simplex (350-359)	1	6.7	1	1	10.1	1	1	1	1
Rhinomatous fever (400-409)	1	6.7	1	-	1	104	1	-	-
Chronic rheumatic heart disease (410-460)	1	6.7	1	-	1	104	1	-	-
Arteriosclerotic and degenerative heart disease (410-422)	31	207.8	25	6	34.9	34	30	133.2	37
Other diseases of heart (410-424)	8	53.5	8	1	20.4	2	1	53.0	7
Hypertension with heart disease (430-434)	1	6.7	1	1	20.9	1	1	56.1	1
Hypertension without mention of heart	1	6.7	3	1	2.1	1	1	2.1	1
Influenza (500-509)	5	33.5	3	2	10.4	2	2	1.2	1
Pneumonia (500-503)	1	1	1	1	1	1	1	1	1
Ulcer of stomach and duodenum (510, 511)	-	-	-	1	1	1	1	1	1
Appendicitis (510-513)	-	-	-	1	1	1	1	1	1
Intestinal obstruction and hernia (520-529)	2	13.4	2	-	2	20.9	2	-	-
All other diseases, not elsewhere classified, on the 100-999 decimal, not elsewhere specified (513)	-	-	-	2	20.9	2	2	21.0	1
Inflammation of liver (570-579)	2	13.4	2	1	2	2	1	2.1	1
Gastritis and ulcers of liver (580)	2	13.4	2	1	1	1	1	1	1
Hepatitis and nephritis (590-594)	2	13.4	2	1	1	1	1	1	1
Complications of pregnancy, childbirth, and the puerperium (600-609)	1	3.0	1	1	1	1	1	1	1
Other complications of pregnancy, childbirth, and the puerperium (600-609)	1	6.7	1	1	1	1	1	1	1
Birth, stillbirth, and fetal death (610-620)	1	6.7	1	1	20.9	2	1	7.0	1
Infant mortality (650-659)	1	6.7	1	1	2	20.9	2	1	1
Injuries of the human (750-759)	1	6.7	1	1	2	20.9	2	1	1
Other diseases peculiar to early infancy and childhood (750-776)	3	20.1	3	2	20.9	2	2	28.5	2
Smellily without mention of pregnancy, all causes (760-769)	5	33.5	1	1	10.4	2	2	14.7	1
All other diseases, not elsewhere specified, on the 100-999 decimal (760-799)	11	25.7	8	2	21.0	2	2	14.7	2
Nephritis and nephrosis (770-779)	10	66.7	8	2	21.0	2	2	17.2	1
All other conditions, not elsewhere specified (780-789)	7	16.7	6	1	11.7	4	1	10.7	1
Sutlade and self-limiting injury (800-809)	2	13.4	2	1	11.7	2	1	8.7	1
Household and operations of war (850-859)	1	6.7	-	1	1	1	1	2.1	1
Household and operations of war (850-859)	1	6.7	-	1	1	1	1	2.1	1

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OLAHOMA, 1953
(Continued)

Estimated population, July 1, 1953	BEAVER			BERGER			BLAME		
	Total	No.	Race	Total	No.	Race	Total	No.	Race
LIVE BIRTHS*	7,008	No.	Race	21,152	No.	Race	13,915	No.	Race
Physician in hospital	190	191	131	120	120	110	10	1	301
Physician in home	1	1	1	1	1	1	1	1	267
Midwife, other, or unknown	1	1	1	1	1	1	1	1	22.6
Stillbirths*	4	4	4	4	4	4	4	4	19.8
Physician in hospital	3	21.9	2	3	21.9	2	3	21.6	19
Physician in home	1	1	1	1	1	1	1	1	19.9
Midwife, other, or unknown	5	11.9	5	5	11.9	5	5	11.9	5
Total deaths, all causes	100	102	104	109	102	104	107	86	108
Deaths under 1 year	95	98	102	97	100	102	97	87	102
Tuberculosis of respiratory system (001-009)	1	1	1	3	22.4	3	1	7.4	1
Tuberculosis, other forms (010-019)	1	1	1	1	1	1	1	1	1
Syphilis and its sequelae (020-029)	1	1	1	1	1	1	1	1	1
Diphtheria (055)	1	1	1	1	1	1	1	1	1
Whooping cough (066)	1	1	1	1	1	1	1	1	1
Meningococcal infections (057)	1	1	1	1	1	1	1	1	1
Acute post-pneumonia (060)	1	1	1	1	1	1	1	1	1
Smallpox (060)	1	1	1	1	1	1	1	1	1
Tuberculosis, other, and hematopoietic tissues (100-108)*	1	6.7	1	1	10.1	1	1	7.2	1
Malaria (110-117)	-	-	-	-	-	-	-	-	-
All other diseases classified as infectious and parasitic (00-039, 069-074, 081-083, 086-096, 097-109)	-	-	-	-	-	-	-	-	-
Herpangitis and hepatitis, including hepatitis of pregnancy, and hemoptoeptotic tissue (120-129)	5	71.3	5	3	23.7	5	3	7.2	1
Diabetes mellitus (260)	1	1	1	1	1	1	1	1	1
Varicella (350-359)	1	98.1	10	1	28.7	2	1	8.7	2
Herpes simplex (350-359)	1	3.0	3	1	1.2	2	1	1.2	2
Rhinomatous fever (400-409)	1	6.7	1	1	10.4	1	1	7.2	1
Chronic rheumatic heart disease (410-460)	1	6.7	1	1	10.4	1	1	7.2	1
Arteriosclerotic and degenerative heart disease (410-422)	31	207.8	25	6	34.9	34	17	12.6	17
Other diseases of heart (410-424)	8	53.5	8	1	20.4	2	1	12.6	1
Hypertension with heart disease (430-434)	1	6.7	1	1	20.9	1	1	12.6	1
Hypertension without mention of heart	1	6.7	3	1	2.1	1	1	2.1	1
Infant mortality (500-509)	5	33.5	3	2	10.4	2	2	12.6	10
Pneumonia (500-503)	1	1	1	1	1	1	1	1	1
Ulcer of stomach and duodenum (510, 511)	1	1	1	1	1	1	1	1	1
Appendicitis (510-513)	1	1	1	1	1	1	1	1	1
Intestinal obstruction and hernia (520-529)	2	13.4	2	-	2	20.9	2	-	-
All other diseases, not elsewhere specified (513)	-	-	-	2	20.9	2	-	-	-
Inflammation of liver (570-579)	2	13.4	2	1	2	2	1	2.1	1
Gastritis and ulcers of liver (580)	2	13.4	2	1	1	1	1	1	1
Hepatitis and nephritis (590-594)	2	13.4	2	1	1	1	1	1	1
Complications of pregnancy, childbirth, and the puerperium (600-609)	1	3.0	1	1	1	1	1	1	1
Other complications of pregnancy, childbirth, and the puerperium (600-609)	1	6.7	1	1	1	1	1	1	1
Birth, stillbirth, and fetal death (610-620)	1	6.7	1	1	20.9	2	1	7.2	1
Infant mortality (650-659)	1	6.7	1	1	2	20.9	2	1	7.2
Geographic, constitutional, enteric and organic, nephritis, and nephrosis (680-699)	-	-	-	1	1	1	1	1	1
Chorioretinitis (720-729)	1	21.6	2	1	23.7	2	1	21.6	3
Hepatitis and nephritis (750-754)	1	1.2	1	1	4.7	1	1	1.2	1
Nephritis and nephrosis (760-764)	1	1.2	1	1	4.7	1	1	1.2	1
Complications of pregnancy, childbirth, and the puerperium (760-769)	1	1.2	1	1	2.4	1	1	1.2	1
The puerperium (760-769)	1	1.2	1	1	2.4	1	1	1.2	1
Complicated deliveries (770-779)	1	1.2	1	1	9.2	2	1	7.2	1
Other diseases peculiar to early infancy and childhood (750-776)	2	14.7	2	1	2.4	1	1	2.4	1
Smellily without mention of pregnancy, all causes (760-775)	5	33.5	8	1	37.2	10	1	7.2	1
All other diseases, not elsewhere specified (760-775)	11	25.7	8	1	37.2	10	1	7.2	1
Household and operations of war (850-859)	1	1.2	1	1	10.8	12	1	1.2	1
All other conditions, not elsewhere specified (850-859)	7	16.7	6	1	10.8	12	1	1.2	1
Sutlade and self-limiting injury (800-809)	2	13.4	2	1	11.7	4	1	10.8	4
Birth, stillbirth, and fetal death (810-819)	1	1.2	1	1	11.7	4	1	1.2	1
Infant mortality (850-859)	1	1.2	1	1	21.0	2	1	10.8	2
Other diseases peculiar to early infancy and childhood (850-859)	3	20.1	2	1	21.0	2	1	10.8	2
Smellily without mention of pregnancy, all causes (760-775)	11	33.5	8	1	21.0	2	1	10.8	2
All other diseases, not elsewhere specified (760-775)	11	25.7	8	1	21.0	2	1	10.8	2
Nephritis and nephrosis (760-764)	1	1.2	1	1	21.0	2	1	10.8	2
Complicated deliveries (770-779)	1	1.2	1	1	21.0	2	1	10.8	2
The puerperium (760-769)	1	1.2	1	1	21.0	2	1	10.8	2
Complicated deliveries (770-779)	1	1.2	1	1	21.0	2	1	10.8	2
Birth, stillbirth, and fetal death (810-819)	1	1.2	1	1	21.0	2	1	10.8	2
Infant mortality (850-859)	1	1.2	1	1	21.0	2	1	10.8	2
Other diseases peculiar to early infancy and childhood (850-859)	1	1.2	1	1	21.0	2	1	10.8	2
Smellily without mention of pregnancy, all causes (760-775)	11	33.5	8	1	21.0	2	1	10.8	2
All other diseases, not elsewhere specified (760-775)	11	25.7	8	1	21.0	2	1	10.8	2
House									

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER OF COUNTIES AND RACE, OKLAHOMA, 1953

(Continued)

Estimated population, July 1, 1953	TOTAL			WHITE			BLACK			CAUCASIAN			CANADIAN		
	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	No.	No.	No.	No.	No.
LIVE BIRTHS*	28,992		23,752		25,095		3,245		2,752		2,106		1,119		1,119
Physician in hospital	521	17.6	482	11	15	760	23.4	568	37	163	503	20.0	33	11	1
Midwife, other, or unknown	393	13.5	376	9	6	629	23.4	489	11	121	489	20.0	30	11	1
Stillbirths*	115	... ¹	105	5	2	129	... ¹	105	1	2	108	11.0	3	1	1
Physician in hospital	113	12.5	102	12	1	12	15.6	8	14	14	6	11.9	6	6	1
Midwife, other, or unknown	115	12.0	102	12	1	11	13.7	7	1	1	1	11.9	6	6	1
Totals, all causes	271	9.3	259	9	3	261	8.7	239	9	37	221	6.3	20	15	2
Deaths under 1 year	23	15.0	20	10	1	21	10.2	15	2	3	13.9	3.4	12.0	3	2
Tuberculosis of respiratory system	104	3.6	100	3.3	1	14	12.2	10	1	3	7.9	3	12.0	3	2
Tuberculosis, other forms (002-009)	103	3.3	103	3	1	14	12.2	10	1	2	7.9	3	12.0	3	2
Syphilis and its sequelae	100	3.5	98	3.2	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida	100	3.5	98	3.2	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	99	3.4	97	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	98	3.4	96	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	97	3.4	95	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	96	3.4	94	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	95	3.4	93	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	94	3.4	92	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	93	3.4	91	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	92	3.4	90	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	91	3.4	89	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	90	3.4	88	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	89	3.4	87	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	88	3.4	86	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	87	3.4	85	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	86	3.4	84	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	85	3.4	83	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	84	3.4	82	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	83	3.4	81	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	82	3.4	80	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	81	3.4	79	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	80	3.4	78	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	79	3.4	77	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	78	3.4	76	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	77	3.4	75	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	76	3.4	74	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	75	3.4	73	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	74	3.4	72	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	73	3.4	71	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	72	3.4	70	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	71	3.4	69	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	70	3.4	68	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	69	3.4	67	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	68	3.4	66	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	67	3.4	65	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	66	3.4	64	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	65	3.4	63	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	64	3.4	62	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	63	3.4	61	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	62	3.4	60	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	61	3.4	59	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	60	3.4	58	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	59	3.4	57	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	58	3.4	56	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	57	3.4	55	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	56	3.4	54	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	55	3.4	53	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	54	3.4	52	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	53	3.4	51	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	52	3.4	50	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	51	3.4	49	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	50	3.4	48	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	49	3.4	47	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	48	3.4	46	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	47	3.4	45	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	46	3.4	44	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	45	3.4	43	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	44	3.4	42	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	43	3.4	41	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	42	3.4	40	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	41	3.4	39	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	40	3.4	38	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	39	3.4	37	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	38	3.4	36	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	37	3.4	35	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	36	3.4	34	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	35	3.4	33	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	34	3.4	32	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	33	3.4	31	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	32	3.4	30	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	31	3.4	29	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all forms (003-009)	30	3.4	28	3.1	1	14	12.0	10	1	2	7.9	3	12.0	3	2
Spina bifida, all															

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953
 (Continued)

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953
 (Continued)

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953
 (Continued)

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND RUBER BY COUNTY AND RACE, OKLAHOMA, 1953

Estimated population, July 1, 1953			GARRET			GRADY			GRANT			
	Total	Race		Total	Race		Total	Race		Total	Race	
No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	
Live births*, all races	663	22.9	629	26	8	638	19.4	594	42	2	116	15.2
Physician in hospital	660	22.7	622	11	7	620	19.2	582	35	1	115	15.5
Physician in home	16	..	7	7	1	98	..	60	..	1	..	..
Midwife, others, or unknown	7	..	7	6	1	17	..	11	..	2	..	..
Stillbirths*	7	..	6	1	..	9	..	2	..	2	..	..
Physician in hospital	7	..	6	1	..	9	..	2	..	2	..	..
Midwife, others, or unknown	1	..	1	..	..	..	..	..	..	..	..	..
Total deaths, all causes	233	6.0	225	16	2	293	8.9	229	29	2	114	11.7
Deaths under 1 year	10	15.1	8	12	2	15	23.5	12	10	2	6	11.9
Tuberculosis, other forms (000-008)	5	17.3	4	1	..	12	16.8	3	10	2	4	22.4
Spinales and tail meninges (020-022)	1	..	2	..	..	9.1	..	3	..	..	..	..
Spinales, cervical (020-022)	1	..	2	..	..	6.1	..	2	..	..	..	..
Sacral palsy (020-022)	1	..	1	..	..	..	..	..	..	..	..	..
Spinales, lumbosacral (020-022)	1	..	1	..	..	..	..	..	..	..	..	..
Spinales, and other meningeal diseases (020-022)	1	..	1	..	..	..	..	..	..	..	..	..
Malaria (110-117)	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and parasitic (000-029, 040, 042-044, 046, 052-054, 056-074, 081-083, 086-096)	-	-	-	-	-	-	-	-	-	-	-	-
Measles (130-139)	-	-	-	-	-	-	-	-	-	-	-	-
Varicella (130-139)	-	-	-	-	-	-	-	-	-	-	-	-
Herpes simplex (130-139)	-	-	-	-	-	-	-	-	-	-	-	-
Herpes zoster (130-139)	-	-	-	-	-	-	-	-	-	-	-	-
Measles and varicella, combined figures of (130-139)	-	-	-	-	-	-	-	-	-	-	-	-
Herpes simplex and varicella (130-139)	-	-	-	-	-	-	-	-	-	-	-	-
Beriberi and unperfused nephrosis (210-239)	22	76.0	22	..	..	13	39.9	12	2	..	..	..
Diabetes mellitus (240-246)	7	21.2	6	1	..	5	15.2	5	..	..	..	..
Neuritis, anterior affecting central nervous system (330-339)	32	110.5	31	1	..	32	97.4	28	3	2	..	..
Phlebitis (340-349)	4	13.8	3	1	..	3	3.0	1	..	..	..	..
Arteriosclerosis and degenerative heart diseases (420-422)	70	211.7	67	2	1	57	173.5	56	1	2	298.1	19
Other diseases of heart (330-349)	70	211.7	67	2	1	57	155.7	56	1	2	107.7	1
Hypertension with heart disease (420-422)	18	62.1	15	3	..	17	51.8	15	4	2	104.1	24
Hypertension without mention of heart disease (420-422)	2	6.9	2	..	..	6	19.3	5	1	..	..	..
Hypertension, unspecified (420-422)	2	6.9	1	..	..	12	2.2	6	2	1	104.1	1
Arteriosclerosis and degenerative heart diseases (420-422)	1	3.5	14	1	..	6	44.4	6	2	1	104.1	1
Stroke of stomach and duodenum (540-542)	1	3.5	1	1	..	1	3.0	1	..	1	104.1	1
Aneurysm (550-552)	1	3.5	1	1	..	1	3.0	1	..	1	104.1	1
Intramural obstruction and hernia (560-562)	1	3.5	1	1	..	1	3.0	1	..	2	20.8	2
Other diseases of heart, ventricular and constrictive (560-562)	1	3.5	1	1	..	1	3.0	1	..	2	20.8	2
Hyperthyroidism (563-565)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Cardiac failure (566-568)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Myocarditis or pericarditis (569-571)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Cardiovascular diseases (560-571)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Arteriosclerosis of liver (580-582)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Arteriosclerosis and nephrosis (580-582)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Nephrosclerosis of prostate (580-582)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Complications of pregnancy, childbirth and the puerperium (600-609)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Obstetric complications (600-609)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Hemorrhage, due to complications of pregnancy, childbirth and the puerperium (600-609)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Infectious diseases of the womb (600-609)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Other diseases of the womb (600-609)	1	3.5	1	1	..	1	6.2	1	..	1	104.1	1
Other diseases peculiar to early pregnancy, and immaturity unqualified (670-679)	5	17.3	5	..	..	2	6.1	2	..	..	..	..
Smallpox without mention of pregnancy (680-681)	3	10.4	3	2	..	3	9.1	3	..	..	..	..
Other diseases of the womb (680-681)	10	35.2	13	2	1	37	112.7	36	13	..	..	..
All other and undefined (680-692)	10	31.5	10	1	..	38	24.6	6	..	..	..	..
Salts and salt-mineralized injury (693-694)	10	31.5	10	1	..	45.7	15	16.7	4	..	..	..
Homicide and operations of war (695-696)	1	3.0	1	1	..	1	3.0	1	..	..	..	..
Exposure (697-698)	1	3.0	1	1	..	1	3.0	1	..	..	..	..
1	3.5	-	-	-	-	-	-	-	-	10.4	-	-
1	3.5	-	-	-	-	-	-	-	-	10.4	-	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953

(Continued)

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953

(Continued)

Estimated population, July 1, 1953	WATERS			MURRAY			MUSKOGEE		
	Total	No.	Race	Total	No.	Race	Total	No.	Race
Live births*	39,713	No.	No.	10,775	No.	No.	65,462	No.	No.
Physician in hospital	371	10,9	295	3	86	216	22,8	23	39
Physician in home	310	229	2	79	227	9	5	1	1
Husband, other, or unknown	5	134	2	1	1	3	12,2	3	1
Physician in hospital	2	2	2	2	2	2	1	1	1
Physician in home	3	3	2	3	3	2	2	1	1
Total deaths, all causes	200	10,1	181	2	11	30,4	16,6	6	11
Deaths under 1 month	12	21,4	7	5	6	32,5	10,0	1	1
Tuberculosis, other forms (010-019)	3	15,2	2	2	6	24,4	6	5	2
Syphilis and 1,128 sequelae (200-209)	1	1	1	1	1	18,6	12	5	2
Other diseases (020-099)	1	1	1	1	1	18,6	12	5	2
Source: Same as national, see above	1	1	1	1	1	18,6	12	5	2
Smallpox (055)	1	1	1	1	1	9,2	3	1	1
Whooping cough (056)	1	1	1	1	1	9,2	3	1	1
Meningoencephalitis (057)	1	1	1	1	1	1	1	1	1
Acute poliomyelitis (060)	1	1	1	1	1	1	1	1	1
Neuralgia (061)	1	1	1	1	1	1	1	1	1
Tuberculosis, other (062)	1	1	1	1	1	1	1	1	1
Trichinosis and other intestinal diseases (100-109)	1	1	1	1	1	1	1	1	1
Malaria (110-117)	1	1	1	1	1	1	1	1	1
All other diseases classified as infectious and parasitic (090-099, 010-019, 020-029, 050-059, 060-069, 070-079, 080-089, 090-099, 100-109, 110-117)	1	1	1	1	1	1	1	1	1
Malocclusion (120-129)	1	1	1	1	1	1	1	1	1
Benign and unspecified neoplasms (210-229)	25	126,6	25	9	93,5	9	90	17,5	66
Diabetes mellitus (260)	6	20,1	5	1	9,3	1	12	18,3	5
Alzheimer's disease (290-299)	1	1	1	1	1	1	1	1	1
Vertebral lesions affecting central nervous system (300-309)	27	146,9	25	2	22	200,2	19	2	61
Other diseases of heart (310-319)	3	57,1	1	1	1	1	1	1	1
Obstructive and degenerative heart disease (320-329)	3	15,2	3	1	1	1	1	1	1
Arteriosclerotic and degenerative heart disease (330-339)	3	15,2	3	1	1	1	1	1	1
Other diseases of heart (340-349)	11	55,7	11	2	6	55,7	11	2	11
Hypertension with heart disease (340-349)	11	55,7	11	2	6	55,7	11	2	11
Hypertension without mention of heart	1	1	1	1	1	1	1	1	1
Trichinosis (350-359)	3	15,2	3	2	18,6	2	12	18,3	6
Pneumonia (360-369)	1	1	1	1	1	1	1	1	1
Inflammation of liver (370-379)	1	1	1	1	1	1	1	1	1
Ulcer of stomach and duodenum (380-389)	1	1	1	1	1	1	1	1	1
Appendicitis (390-399)	1	1	1	1	1	1	1	1	1
Intestinal obstruction and hernia (460-479)	1	1	1	1	1	1	1	1	1
Other diseases of heart (480-489)	1	1	1	1	1	1	1	1	1
Cardiovascular diseases (490-499)	1	1	1	1	1	1	1	1	1
Cirrhosis of liver (500-509)	1	1	1	1	1	1	1	1	1
Hepatitis and nephritis (500-509)	1	1	1	1	1	1	1	1	1
Hepatitis of prostate (560)	2	10,1	1	1	9,3	4	6,1	1	1
Complications of pregnancy, childbirth and the puerperium (600-609)	3	15,2	2	1	3	2,3	2	1	1
Birth defects (610-619)	2	10,1	1	1	4	6,1	4	1	1
Abortion (620-629)	2	10,1	1	1	4	37,2	17	2	1
Infection of the newborn (660-669)	1	5,2	1	1	2	3,1	1	1	1
Other diseases peculiar to early infancy and immaturity unqualified (670-716)	5	32,3	3	2	9,3	1	1	1	1
Smallpox without mention of pockmarks (717-726)	13	66,8	10	3	1	9,3	2	1	1
All other diseases (730-739)	15	86,0	15	2	16	78,2	17	8	1
All other diseases (740-749)	10	50,7	8	2	3	27,3	16	5	1
Smallpox and variola (750-759)	10	50,7	8	2	3	27,3	16	5	1
All other diseases (760-769)	2	20,1	2	1	9	33,7	27	10	1
Smallpox and variola (770-779)	2	20,1	2	1	9	33,7	27	10	1
Homicide and operations of war (850-859)	3	15,2	3	1	1	1	1	1	1
Hostile and operations of war (860-869)	3	15,2	3	1	1	1	1	1	1
Hostile and operations of war (870-879)	1	8,9	1	1	1	1	1	1	1
Hostile and operations of war (880-889)	1	8,9	1	1	1	1	1	1	1

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Estimated population, July 1, 1953	NOBUCK			ROCKAWAY			OSAGE		
	Total	No.	Race	Total	No.	Race	Total	No.	Race
Live births*	11,288	No.	No.	12,734	No.	No.	13,265	No.	No.
Physician in hospital	225	19,9	208	6	21,5	16,9	188	23	4
Physician in home	201	184	24	6	202	15	11	19	4
Husband, other, or unknown	2	1	2	1	1	1	1	1	1
Physician in hospital	21	19	21	1	1	1	1	1	1
Physician in home	6	5	6	1	1	1	1	1	1
Husband, other, or unknown	1	1	1	1	1	1	1	1	1
Total deaths, all causes	120	10,6	112	3	139	10,9	125	13	1
Deaths under 1 year*	13	13,3	12	2	14	14,1	12	14	3
Deaths under 1 month	1	1	1	1	1	1	1	1	1
Tuberculosis, other forms (010-019)	1	1	1	1	1	1	1	1	1
Syphilis and 1,128 sequelae (020-029)	1	1	1	1	1	1	1	1	1
Other diseases (030-039)	1	1	1	1	1	1	1	1	1
All other diseases classified as infectious and parasitic (090-099, 010-019, 020-029, 050-059, 060-069, 070-079, 080-089, 090-099, 100-109, 110-117)	1	1	1	1	1	1	1	1	1
Malocclusion (120-129)	1	1	1	1	1	1	1	1	1
Benign and unspecified neoplasms (210-229)	1	1	1	1	1	1	1	1	1
Diabetes mellitus (260)	1	1	1	1	1	1	1	1	1
Alzheimer's disease (290-299)	1	1	1	1	1	1	1	1	1
Vertebral lesions affecting central nervous system (300-309)	1	1	1	1	1	1	1	1	1
Other diseases of heart (310-319)	1	1	1	1	1	1	1	1	1
Obstructive and degenerative heart disease (320-329)	1	1	1	1	1	1	1	1	1
Arteriosclerotic and degenerative heart disease (330-339)	1	1	1	1	1	1	1	1	1
Other diseases of heart (340-349)	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (340-349)	1	1	1	1	1	1	1	1	1
Hypertension without mention of heart	1	1	1	1	1	1	1	1	1
Trichinosis (350-359)	1	1	1	1	1	1	1	1	1
Inflammation of liver (370-379)	1	1	1	1	1	1	1	1	1
Blindness (380-389)	1	1	1	1	1	1	1	1	1
Ulcer of stomach and duodenum (380-389)	1	1	1	1	1	1	1	1	1
Appendicitis (390-399)	1	1	1	1	1	1	1	1	1
Intestinal obstruction and hernia (460-479)	1	1	1	1	1	1	1	1	1
Other diseases of heart (480-489)	1	1	1	1	1	1	1	1	1
Cardiovascular diseases (490-499)	1	1	1	1	1	1	1	1	1
Cirrhosis of liver (500-509)	1	8,9	2	1	3,6	3	7,9	1	1
Hepatitis and nephritis (500-509)	1	8,9	2	1	3,6	3	7,9	1	1
Hepatitis of prostate (560)	1	17,7	2	1	17,7	2	17,7	2	1
Complications of pregnancy, childbirth and the puerperium (600-609)	1	3	2	1	1	1	1	1	1
The new born (610-619)	1	4	2	1	4	2	4	2	1
Birth defects (660-669)	1	3	2	1	3	2	3	2	1
Abortion (670-679)	1	1	1	1	1	1	1	1	1
Infection of the newborn (670-679)	1	1	1	1	1	1	1	1	1
Other diseases peculiar to early infancy and immaturity unqualified (680-716)	1	35,7	17	2	15,7	1	2	14,4	1
Smallpox without mention of pockmarks (717-726)	10	70,9	9	62,9	9	62,9	11	4	2
All other diseases (730-739)	15	13,2	13	13,2	10	13,2	10	13,2	1
All other diseases (740-749)	10	50,7	8	27,3	4	27,3	7	55,0	3
Smallpox and variola (750-759)	5	21,7	2	1	1	1	1	1	1
All other diseases (760-769)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (770-779)	2	20,1	2	1	1	1	1	1	1
All other diseases (780-789)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (790-799)	2	20,1	2	1	1	1	1	1	1
All other diseases (800-809)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (810-819)	2	20,1	2	1	1	1	1	1	1
All other diseases (820-829)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (830-839)	2	20,1	2	1	1	1	1	1	1
All other diseases (840-849)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (850-859)	2	20,1	2	1	1	1	1	1	1
All other diseases (860-869)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (870-879)	2	20,1	2	1	1	1	1	1	1
All other diseases (880-889)	2	10,1	2	1	1	1	1	1	1
Smallpox and variola (890-899)	2	20,1	2	1	1	1	1	1	1
Homicide and operations of war (850-859)	2	10,1	2	1	1	1	1	1	1
Hostile and operations of war (860-869)	2	10,1	2	1	1	1	1	1	1
Hostile and operations of war (870-879)	2	10,1	2	1	1	1	1	1	1
Hostile and operations of war (880-889)	2	10,1	2	1	1	1	1	1	1
Hostile and operations of war (890-899)	2	10,1	2	1	1	1	1	1	1

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TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953
(Continued)

	OKLAHOMA			TULSA			OKLAHOMA CITY			OKLAHOMA		
	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race
Estimated population, July 1, 1953	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Live births*	10,910	29.40	9,122	10,77	1,112	20,21	1,35	55	5,59	18.4	1,50	22
Physician in hospital	10,823	29.07	9,002	10,62	1,099	20,11	1,31	52	5,52	18.0	1,48	21
Hospital or clinic or home	31	3.0	31	31	11	12	10	10	3	3.0	3	3.0
Stillbirths†	171	1.57	108	1.27	55	1.27	34	0.82	10	0.65	25	0.62
Physician in hospital	112	1.00	100	1.17	26	1.16	24	0.62	8	0.55	20	0.47
Middle, other, or unknown	6	0.5	6	0.7	2	0.8	2	0.5	1	0.1	5	0.12
Total deaths, all causes*	2884	6.22	2517	3.4	23	42.9	332	7.9	13	20.1	24.6	10
Newborn under 1 year*	220	20.0	213	18.6	9	32.2	16.0	15	2.5	17.0	20.0	1
Deaths under 1 month*	219	19.8	213	18.4	12	21.1	13.1	11	1.8	17.2	20.0	1
Tuberculosis, other forms	201	4.68	196	4.33	10	34.0	12.1	9	1.4	11.7	12.0	1
Syphilis and its sequelae	13	1.47	11	1.2	2	2.3	1	1	0.6	2.6	2.6	1
Dysentery, all forms	103	1.03	1	1	1	1.0	1	1	1	1.0	1.0	1
Suspected fever and streptococcal sore throat	1	0.3	1	1	1	1.0	1	1	1	1.0	1.0	1
Septicemia	10	1.10	1	1	1	1.0	1	1	1	1.0	1.0	1
Suppurative	10	1.06	1	1	1	1.0	1	1	1	1.0	1.0	1
All nontraumatic infections (667)	15	1.64	14	1.47	2	2.3	1	1	1	1.2	1.1	1
Acute polyarthritis (660)	1	0.3	1	1	1	1.0	1	1	1	1.0	1.0	1
Measles	105	1.10	1	1	1	1.0	1	1	1	1.0	1.0	1
Measles and other infectious diseases (100-106)	16	1.67	1	1	1	1.0	1	1	1	1.0	1.0	1
All other nontraumatic infections (667)	15	1.64	14	1.47	2	2.3	1	1	1	1.2	1.1	1
Acute polyarthritides (660)	1	0.3	1	1	1	1.0	1	1	1	1.0	1.0	1
Measles and other infectious diseases (100-106)	16	1.67	1	1	1	1.0	1	1	1	1.0	1.0	1
All nontraumatic infections (667)	15	1.64	14	1.47	2	2.3	1	1	1	1.2	1.1	1
Acute polyarthritides (660)	1	0.3	1	1	1	1.0	1	1	1	1.0	1.0	1
Malignant neoplasms, including carcinomas of lymphatic and hematopoietic tissues	7	2.0	5	1	1	2	4.7	2	-	-	-	-
Carcinoma and unspecified neoplasms (210-239)	14	3.7	9	1.7	1	2.3	3.1	2	1.2	2.0	1.4	1.0
Kidneys (260-279)	10	2.8	7	1.4	1	2.3	1.5	1	0.5	2.3	2.3	1
Vasculitis (last two affecting central nervous system) (300-319)	7	1.9	3	1	2	1.6	1.07	2	0.5	1.12	1.12	1
Neuroleptic meningitis (310)	1	0.3	1	1	1	2.3	1.5	1	1	2.0	2.0	1
Recurrent fever (300-349)	23	6.6	23	4.9	1	2.3	1	1	1	3.3	3.3	1
Chronic rheumatic heart disease (400-449)	60	18.29	69	29	2	20.5	9.6	8	6.6	21.16	6.0	3
Arteriosclerotic and degenerative heart disease (450-482)	13	3.7	11	25	2	20.5	9.6	8	6.6	21.16	6.0	3
Other chronic heart disease (490-519)	17	5.1	21	9.7	2	20	11.3	7	4	8.2	13.2	4
Hypertension with heart disease (450-499)	24	7.0	21	9.1	2	20	11.3	7	4	8.2	13.2	4
Hypertension without mention of heart (450-499)	29	8.2	23	7.0	3	7.0	3.1	1	1	3.3	3.3	1
Influenza (480-499)	18	5.1	14	6.1	1	11	25.7	9.3	1	3.3	6.7	1
Pneumonia (500-549)	96	27.1	82	13	1	16	27.4	12.9	3	3.3	7.3	1
Other acute respiratory diseases (550-599)	13	3.7	12	1.1	1	2.3	1	1	1	3.3	3.3	1
All other acute respiratory diseases (550-599)	3	0.9	2	1	1	2.3	1	1	1	3.3	3.3	1
Intestinal obstruction and hernia (560-579)	16	4.5	13	3	4	9.4	2	2	1	3.3	1	-
All other diseases of the abdomen (580-593)	110	31.3	92	4	5	11.7	4	1	5	16.5	4	-
Diarrhea, dysentery, enteritis and colitis, except diarrhea of the newborn (593-597)	15	4.3	13	2	1	2.3	1	1	1	3.3	3.3	-
Cerebral hemorrhage (600-609)	65	18.5	60	5	-	16	27.4	9.0	1	3.3	7.3	-
Hepatitis and hepatitis (620-649)	39	11.1	30	8	-	21	36.7	12.9	2	3.3	7.3	-
Complications of pregnancy, parturition and puerperium (650-679)	2	0.2	1	1	1	2.3	1	1	1	3.3	3.3	-
Genital, obstetrical and hernia (580-593)	38	10.8	35	4	1	2.3	1	1	1	3.3	3.3	-
All other diseases of the abdomen (580-593)	110	31.3	92	4	5	11.7	4	1	5	16.5	4	-
All other diseases of the newborn (593-597)	11	3.1	8	3	1	2.3	1	1	1	3.3	3.3	-
Other diseases of the lungs (600-649)	65	18.5	60	5	-	16	27.4	9.0	1	3.3	7.3	-
Smothering without mention of perinatal (650-659)	11	3.1	9	2	-	9	29.7	6	1	-	-	-
All other diseases (660-699)	113	32.1	99	12	2	28.1	7.5	4	3.3	7.3	12	4
Motor-vehicle accidents (700-749)	203	57.7	180	15	2	26	60.0	27.5	1	6.7	54.2	12
All other accidents (700-749)	103	27.7	87	10	1	17	64.4	14.7	3	5.7	56.6	1
All other accidents (700-749)	115	32.7	101	10	1	17	39.8	11.7	3	17.7	56.0	14
All other accidents (700-749)	30	8.5	30	-	7	16.4	4	-	4	13.2	3	-
Hostile acts and self-inflicted injury (800-849)	18	5.1	6	1	-	6	26.4	3	1	4	16.1	-
Hostile acts and self-inflicted injury (800-849)	18	5.1	6	1	-	6	26.4	3	1	4	16.1	-

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953
(Continued)

	OKLAHOMA			TULSA			OKLAHOMA CITY			OKLAHOMA			
	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race	
Estimated population, July 1, 1953	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	31,408	19.9	29,587	19.9	637	20.0	22,133	12	25	989	19.9	945	35
Physician in hospital	30,862	19.6	28,962	19.6	624	20.4	20,888	12	24	967	19.9	923	35
Hospital, other, or unknown	3	0.0	3	0.0	2	0.0	2	0.0	1	0.0	1.0	0.0	1.0
Stillbirths†	131	1.27	108	1.16	35	1.27	34	1.27	10	0.65	1.0	1.0	1.0
Physician in hospital	122	1.16	100	1.00	34	1.16	32	1.16	9	0.55	0.85	0.85	0.85
Hospital, other, or unknown	6	0.0	6	0.0	2	0.0	2	0.0	1	0.0	1.0	1.0	1.0
Total deaths, all causes*	2804	6.22	2517	3.4	23	42.9	332	7.9	13	20.1	24.6	10	30.8
Deaths under 1 year*	220	20.0	213	18.6	9	32.2	16.0	15	2.5	17.2	20.0	1	17.2
Deaths under 1 month*	219	19.8	213	18.4	12	21.1	13.1	11	1.8	17.2	20.0	1	17.2
Tuberculosis, other forms	102	9.0	97	8.7	4	2.3	1.7	1	0.6	1.2	1.2	1	1.2
Syphilis and its sequelae	13	1.47	11	1.2	2	1.0	1	1	0.6	2.6	2.6	1	2.6
Dysentery, all forms	103	1.03	1	1	1	1.0	1	1	1	1.0	1.0	1	1.0
Suspected fever and streptococcal sore throat	1	0.3	1	1	1	1.0	1	1	1	1.0	1.0	1	1.0
Septicemia	1	0.3	1	1	1	1.0	1	1	1	1.0	1.0	1	1.0
Influenza (1957-72)	11	3.2	9	2.7	1	0.5	1	1	0.5	3.3	3.3	1	3.3
Other diseases, peculiar to early infancy, and immaturity, unqualified (1957-76)	6	1.9	4	1.4	1	0.2	1	1	0.2	3.0	3.0	1	3.0
Severe, Wilsonian meningitis of newborn (1957-59)	11	3.5	16.1	5	2	1.0	2	1.0	2	3.0	3.0	1	3.0
Neonatal sepsis (1957-59)	2	0.6	2	0.6	1	0.5	1	1	0.5	2.0	2.0	1	2.0
Neonatal tetanus (1957-59)	1	0.3	1	1	1	1.0	1	1	1	2.0	2.0	1	2.0
Neonatal convulsions (1957-59)	1	0.3	1	1	1	1.0	1	1	1	2.0	2.0	1	2.0
Birth asphyxia, congenital anomalies, and birth defects (1957-59)	1	0.3	1	1	1	1.0	1	1	1	2.0	2.0	1	2.0
Neonatal tetany (1957-59)	1	0.3	1	1	1	1.0	1	1	1	2.0	2.0	1	2.0
Birth asphyxia, congenital anomalies, and birth defects (1957-59)	1	0.3	1	1	1	1.0	1	1	1	2.0	2.0	1	2.0
Intussusception of the bowel (1957-59)	3	3.2	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Gastroenteritis	1	0.3	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Hepatitis and hepatitis (500-549)	5	16.1	5	16.0	2	2.3	3	2.3	2	3.0	3.0	1	3.0
Hepatitis or jaundice (1957-59)	1	0.3	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Neonatal convulsions (1957-59)	1	0.3	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Neonatal tetany (1957-59)	1	0.3	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Neonatal convulsions (1957-59)	1	0.3	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Neonatal tetany (1957-59)	1	0.3	1	0.5	1	0.5	1	1	0.5	3.0	3.0	1	3.0
Neonatal convulsions (1957-59)	1	0.3	1	0									

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY AND NUMBER BY COUNTY AND RACE OKLAHOMA 1955

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

Estimated population, July 1, 1953		PITTSBURGH				PENNSYLVANIA				NORTHWESTERN			
	Total	Total	White	Black	Total	Total	White	Black	Total	Total	White	Black	
Live births*	832	23,357	832	3,471	148	6,633	20,3	578	2,927	36	9,965	24,9	42
Physician in hospital	832	23,357	832	3,471	148	6,633	20,3	578	2,927	36	9,965	24,9	42
Midwife, other, or unknown	16	482	16	482	1	39	30	50	24	4	87	39	17
Stillbirths	26	782	11	12	3	10	1	1	10	1	11	10	2
Physician in hospital	13	11,4	13	2	3	18,7	10	1	11	12	10	10	2
Midwife, other, or unknown	5	1,7	5	1	1	10	1	1	1	1	1	1	1
Total deaths all causes	306	9,201	306	2,930	10	2,355	21	12	1,142	1	319	23	10
Deaths under 1 year	21	2,212	21	772	2	2,070	20	9	1,822	1	172	21	17
Tuberculosis, other forms	17	1,613	17	1,272	2	1,613	17	1	1,597	1	1,340	15	1
Spinales and its sequelae	3	7,8	3	2	1	3,2	7	1	3,2	1	1,3	1	1
Diphtheria	1	2,6	1	1	1	1	1	1	1	1	2,5	1	1
Scarlet fever and streptococcal sore throat	1	1	1	1	1	1	1	1	1	1	1	1	1
Diphtheria (051)	1	1	1	1	1	1	1	1	1	1	1	1	1
Whooping cough (065)	1	1	1	1	1	1	1	1	1	1	1	1	1
Meningoencephalitis (067)	1	1	1	1	1	1	1	1	1	1	1	1	1
Measles (068)	1	1	1	1	1	1	1	1	1	1	1	1	1
Measles (069)	1	1	1	1	1	1	1	1	1	1	1	1	1
Measles (070)	1	1	1	1	1	1	1	1	1	1	1	1	1
Diphyllobothriasis	1	1	1	1	1	1	1	1	1	1	1	1	1
All other diseases classified as infectious and parasitic (080-099, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052-054, 059-074, 081-085, 086-095)	2	5,2	2	2	1	1	1	1	1	1	1	1	1
Malaria, falciparum, and vivax	1	1	1	1	1	1	1	1	1	1	1	1	1
Malaria (110-111)	1	1	1	1	1	1	1	1	1	1	1	1	1
All other diseases classified as infectious	1	1	1	1	1	1	1	1	1	1	1	1	1
Neurotic, psychoneurotic, and psychotic disorders (290-299)	5	13,0	3	1	1	13,0	14	1	13,0	1	13,0	14	1
Neurotic, psychoneurotic, and psychotic disorders (300-399)	5	7,8	3	1	1	3,2	1	1	3,2	1	3,2	1	1
Neurotic, psychoneurotic, and psychotic disorders (400-499)	65	16,9	54	11	1	10,4	2	1	10,4	1	16,9	54	1
Mental retardation, including organic brain syndrome or dementia (500-509)	1	10,4	1	1	1	10,4	1	1	10,4	1	10,4	1	1
Alzheimer's disease and degenerative heart disease (510-519)	69	17,9	61	5	3	5,0	16,4	1	5,0	1	17,9	61	2
Diabetes mellitus (520-529)	5	13,0	3	1	1	13,0	14	1	13,0	1	13,0	14	1
Diabetes mellitus (530-539)	5	13,0	3	1	1	13,0	14	1	13,0	1	13,0	14	1
Neuritis, neurorrhaphy, and neurorraphy (540-549)	1	1	1	1	1	1	1	1	1	1	1	1	1
Neuritis, neurorrhaphy, and neurorraphy (550-559)	1	1	1	1	1	1	1	1	1	1	1	1	1
Other diseases of heart (560-569)	10	23,1	80	8	1	78	23,2	69	1	2	107	26,6	66
Other diseases of heart (570-579)	26	20,5	12	2	1	11,3	20,6	11	1	12	26,6	10,4	2
Other diseases of heart (580-589)	35	16,5	6	3	1	9,7	11	5	16,5	1	16,5	10,0	5
Other diseases of heart (590-599)	37	17,9	1	1	1	10,4	17,9	1	10,4	1	10,4	17,9	1
Influenza (591-599)	12	31,2	13	1	1	8,4	31,9	6	1	9	22,5	8	1
Influenza (600-609)	1	2,6	1	1	1	2,5	6,5	2	1	2	5,0	2	1
Uremia of chronic and diabetous (590-599)	1	2,6	1	1	1	2,6	5,5	2	1	2	5,0	2	1
Uremia of chronic and diabetous (600-609)	1	2,6	1	1	1	2,6	5,5	2	1	2	5,0	2	1
Uremia of chronic and diabetous (610-619)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (620-629)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (630-639)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (640-649)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (650-659)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (660-669)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (670-679)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (680-689)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (690-699)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (700-709)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (710-719)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (720-729)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (730-739)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (740-749)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (750-759)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (760-769)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (770-779)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (780-789)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (790-799)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (800-809)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (810-819)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (820-829)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (830-839)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (840-849)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (850-859)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (860-869)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (870-879)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (880-889)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (890-899)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (900-909)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (910-919)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (920-929)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (930-939)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (940-949)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (950-959)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (960-969)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (970-979)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (980-989)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (990-999)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (000-009)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (010-019)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (020-029)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (030-039)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (040-049)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (050-059)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (060-069)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (070-079)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (080-089)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (090-099)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (100-109)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (110-119)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (120-129)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (130-139)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (140-149)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (150-159)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (160-169)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (170-179)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (180-189)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (190-199)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (200-209)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (210-219)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (220-229)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (230-239)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (240-249)	1	1,2	1	1	1	1,2	3,1	2	1	1	1,2	3,1	1
Uremia of chronic and diabetous (250-259)	1	1,2	1	1	1	1,2	3,1	2</					

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1953
(Continued)

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1923
(Continued)

TABLE VI. RESIDENT BIRTHS, DEATHS, AND DELETIONS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE

Estimated population, July 1, 1953	Total			OKLAHOMA CITY			TULSA		
	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.
Live births*	7400	25.9	6377	908	115	5307	28.5	573	79
Physician in hospital	7322	25.9	6310	898	111	5232	28.5	573	79
Physician in home	54	...	43	20	1	111	...	43	7
Home, other or unknown	24	...	21	10	1	112	...	132	2
Stillbirths*	95	12.0	79	12	4	93	16.6	66	15
Physician in hospital	89	5	73	12	4	75	10.0	59	14
Physician, home or unknown	5	...	5	1	0	10	...	6	1
Tonsils, all causes	232	1	209	20	1	194	22.9	167	21
Bethes, under 1 month	217	28.3	210	20	1	176	22.6	216	22
Tuberculosis of respiratory system (001-009)	159	21.0	205	16	1	126	22.9	117	21
Syphilis and its sequelae (020-029)	22	8.6	17	4	1	17	8.7	13	3
Syphilis, congenital	11	4.3	9	2	0	13	6.6	6	1
Syphilis, all forms (020-029)	11	4.3	9	2	0	13	6.6	6	1
Spina bifida	1	0.5	1	0.5	0	1	0.5	1	0
Diphtheria (050-059)	1	0.4	1	0.5	0	1	0.5	1	0
Hopping cough (050-059)	2	0.8	4	1	0	1	0.5	1	0
Meningococcal infections (057-059)	1	0.4	1	0	0	1	0.5	1	0
Ante poliovirus (080)	1	0.4	1	0	0	1	0.5	1	0
Smallpox (081)	1	0.4	1	0	0	1	0.5	1	0
Typhoid and other intestinal diseases (100-109)	1	0.4	1	0	0	1	0.5	1	0
Malaria (110-119)	1	0.4	1	0	0	1	0.5	1	0
All other diseases classified as infective and parasitic (000-099, 101-104, 106-107, 109-110, 125-126, 128-129)	1	0.4	1	0	0	1	0.5	1	0
Diabetes mellitus (250-260)	9	3.5	8	2.9	1	21	10.6	60	7
Kidney, lesions affecting central nervous system (130-139)	8	3.1	5	1.9	1	12.5	10.5	61	7
Heart, diseases of (140-149)	303	18.3	276	25	2	220	11.6	192	34
Bladder, kidneys, ureters, and prostate (180-189)	171	10.4	149	12	1	14	11.5	112	21
Arteriosclerosis and degenerative heart diseases (190-199)	171	6.6	17	1	0	15	7.7	13	2
Other diseases of heart (130-139, 140-149)	115	19.1	479	21	2	511	26.0	480	30
Hypertension with heart disease (140-149)	66	25.0	43	23	1	10	20.4	34	7
Hypertension without mention of heart	23	9.0	18	5	1	12	6.1	9	3
Inflammation, heart, all forms (130-139)	71	6.4	64	1	0	54	4.6	43	3
Phenothiazines (190-199)	71	28.5	60	1	0	56	28.6	49	3
Ulcers of stomach and duodenum (510-519)	51	0.5	2	1	0	49	2.0	2	1
Appendicitis (550-559)	3	5.1	2	1	0	4	2.0	2	1
Inflammatory obstruction and hernia (560-569)	12	1.2	1	1	0	1	0.5	1	0
Gastritis, duodenitis, enteritis and colitis (570-579)	47	10	2	1	0	11	5.6	9	2
Inflammation, ulcerative, of the colon (580-589)	11	2.4	1	1	0	1	0.5	1	0
Cholecystitis and hepatitis, acute (590-599)	571	19.8	524	12	2	447	11.5	135	26
Hepatitis and nephritis (590-599)	571	19.8	524	12	2	447	11.5	135	26
Complications of pregnancy, childbirth and puerperium (600-609)	2	0.5	1	1	0	1	0.5	1	0
Congenital malformations (730-759)	27	0.5	21	1	0	34	1.3	31	2
Birth defects, all forms (760-769)	81	31.6	60	17	4	53	27.1	46	1
Infection of fetus (760-769)	9	3.5	6	3	1	27	2.7	26	1
Other diseases, not elsewhere classified, and immaturity, unqualified (760-776)	17	18.3	12	5	1	58	29.6	14	13
Neonatal and infant deaths (800-859)	155	37.1	81	9	2	61	31.1	14	13
All other diseases (860-959)	165	15.3	102	12	2	66	16.7	14	13
All other and undiagnosed injury (870-879)	90	30.4	81	12	2	33.7	35.0	18	17
Stroke and circulatory disease (880-889)	115	17.7	117	17	2	23.7	22.7	20	17
Homicide and operations (890-899)	21	9.4	21	2	1	21	10.7	13	13
Horrorde and operations (890-899)	15	5.9	5	1	1	26	13.3	13	13

TABLE VII. RESIDENT BIRTHS, DEATHS AND DELETIONS BY LEADING CAUSES, NUMBER AND RATE, FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1953

Estimated population, July 1, 1953	Atoka			Bartlesville			Bethany			Bluejacket			Bristow			Broken Arrow		
	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	
Live births*	72	26.9	459	24.7	258	36.4	228	24.6	98	30.1	98	26.9	108	34.0	37	30.6	21.5	
Deaths, all causes*	72	16.0	459	16.0	258	12.9	228	12.9	98	10.1	98	10.1	101	11.5	37	11.5	10.2	
Infant deaths*	21	11.5	115	16.4	13	16.4	13	12.9	11.5	8.0	12.9	8.0	108	11.5	37	11.5	10.2	
Maternal deaths*	1	1.5	1.5	6	12.0	7	21.1	8.2	3.1	3.1	3.1	3.1	30.6	8.2	1	8.2	1	
Deaths from leading causes**	72	26.9	459	24.7	258	36.4	228	24.6	98	30.1	98	26.9	108	34.0	37	30.6	21.5	
Diseases of the heart (110-119)	11	109.2	53	272.4	31	208.4	116.4	108	478.0	15	478.0	15	377.5	311.8	139.5	171.0	160.4	
Malignant neoplasms (140-205)	11	109.2	53	272.4	31	208.4	116.4	108	478.0	15	478.0	15	377.5	311.8	139.5	171.0	160.4	
Vascular lesions affecting central nervous system (130-139)	11	133.9	9	133.9	11	133.9	11	133.9	8	85.0	12	222.2	2	151.6	151.6	122.2	122.2	
Arteriosclerosis (140-149)	1	31.2	9	59.5	4	59.5	8	85.0	4	7.1	6	21.2	2	14.3	14.3	12.5	12.5	
Obesity, diseases of early infancy	1	37.2	15	76.3	5	76.3	6	63.7	3	55.6	3	55.6	5	52.5	5	52.5	5	
Influenza and pneumonia (160-199)	1	37.2	15	24.6	5	24.6	6	42.5	2	21.2	5	21.2	2	21.2	5	21.2	5	
Nephritis and nephrosis (190-290)	1	5.0	5	5.0	1	5.0	2	2.0	1	3.1	1	3.1	1	27.1	1	27.1	1	
Diabetes mellitus (260)	1	37.2	2	5.0	9.9	—	—	—	—	—	—	—	—	—	—	—	—	
Tuberculosis, all forms (601-619)	1	37.2	2	5.0	9.9	—	—	—	—	—	—	—	—	—	—	—	—	

Estimated population, July 1, 1953	Chandler			Checotah			Cherokee			Okmulgee			Oklawaha			Anadarko		
	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	No.	No.	Rate	
Live births*	70	25.7	80	28.5	47	17	17.7	367	30.9	159	26.6	211	27.0	25.5	56	22.3	52.6	28.9
Deaths, all causes*	28	10.3	37	16.8	25	10.5	10.5	112	10.5	101	10.5	117	11.7	11.7	30	11.7	11.7	11.7
Infant deaths*	2	2	28	2	2	2	2	2	42.6	8	24.5	1	6.3	10	47.4	1	10.0	47.4
Maternal deaths*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Deaths from leading causes**	70	25.7	80	28.5	47	17	17.7	367	30.9	159	26.6	211	27.0	25.5	56	22.3	52.6	28.9
Diseases of the heart (110-119)	10	387.1	11	409.7	4	380.3	50	304.8	22	334.1	30	572.8	29	370.7	12	157.4	157.4	
Malignant neoplasms (140-205)	2	73.4	1	73.4	1	103.6	9	103.6	5	107.9	18	109.7	10	168.5	5	63.9	30.4	
Vascular lesions affecting central nervous system (130-139)	5	110.1	9	121.0	2	107.6	3	107.6	3	107.6	3	107.6	3	107.6	3	107.6	3	
Acute diseases of early infancy	1	36.7	2	73.4	2	75.2	6	36.6	1	16.8	11	31.0	1	101.6	3	30.4	101.6	
Influenza and pneumonia (160-199)	2	73.4	1	107.0	1	37.6	5	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	
Nephritis and nephrosis (190-290)	2	73.4	1	36.7	1	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	
Nephritis, all forms (200-299)	1	36.7	1	37.6	1	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	
Tuberculosis, all forms (601-619)	1	36.7	1	37.6	1	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	37.6	3	

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

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATS FROM LEADING CAUSES, NUMBER AND RATES, FOR CITIES

(Continued)

Estimated population, July 1, 1953	Central	Oklahoma City	Okla City	Dewey	El Reno	Enid	Durant
No.	2,996	8,615	2,522	2,613	5,205	16,823	
Live births*	46	16,2	238	275	22	8,7	111
Stillbirths*	-	-	3	12	1	1	12,3
Deaths, all causes*	29	9,0	63	3,7	45,5	10,6	20,1
Infant deaths*	-	-	5	3,2	26	9,0	10,2
Maternal deaths*	-	-	5	2,0	1	9,0	9,2
Deaths from leading causes**	-	-	-	-	-	-	-
Diseases of the heart (110-143)	10	337,2	27	312,3	1	39,5	13
Malignant neoplasms (140-205)	9	303,4	7	61,0	1	39,5	12
Vascular lesions affecting central nervous system (330-394)	1	33,7	11	177,2	2	79,0	8
Accidents (800-992)	-	-	-	-	-	-	-
Other diseases of early infancy (760-776)	-	-	-	-	-	-	-
Influenza and pneumonia (460-593)	-	-	-	-	-	-	-
Nephritis and nephrosis (590-591)	-	-	-	-	-	-	-
Diabetes mellitus (260)	1	33,7	3	11,6	1	39,5	1
Tuberculosis, all forms (601-619)	-	-	-	-	-	-	-

Estimated population, July 1, 1953	Durant	Edmond	Eufaula	El Reno	Enid	Fairfield	Enid
No.	10,107	6,762	8,910	11,287	39,598	2,602	Enid
Live births*	205	19,5	302	29,9	169	265	129
Stillbirths*	124	11,6	75	17,8	17,8	10,9	23,4
Deaths, all causes*	17	82,9	65	11,1	65	11,6	15,8
Infant deaths*	11	68,3	6	29,6	23	10,1	16,0
Maternal deaths*	-	-	5	23,7	2	7,5	3,6
Deaths from leading causes**	-	-	-	-	1	7,8	-
Diseases of the heart (110-143)	52	185,7	28	141,1	26	223,5	52
Vascular lesions affecting central nervous system (330-394)	9	84,1	10	107,9	9	100,0	17
Accidents (800-992)	-	-	-	-	-	-	-
Certain diseases of early infancy (760-776)	13	121,4	6	88,7	3	31,6	1
Influenza and pneumonia (460-593)	2	24,3	4	59,2	2	32,4	1
Nephritis and nephrosis (590-591)	4	34,7	2	22,4	1	6,9	1
Diabetes mellitus (260)	2	18,7	2	26,6	2	11,6	12
Tuberculosis, all forms (601-619)	-	-	-	-	-	-	-

Estimated population, July 1, 1953	Fayetteville	Guthrie	Harrington	Lawton	Lawton	McAlester	Medill	Moore
No.	5,570	10,116	5,598	2,744	8,338	5,445	19,659	2,956
Live births*	115	26,0	235	23,2	110	20,0	71	25,9
Stillbirths*	65	13,8	173	14,3	9,1	18,2	21,8	12,3
Deaths, all causes*	7	16,3	7	17,1	23	8,4	93	22,6
Maternal deaths*	-	-	2	30,4	3	11,2	68	18,8
Deaths from leading causes**	-	-	-	-	-	1	8,1	-
Diseases of the heart (110-143)	18	328,3	23	51	502,7	7	127,1	9
Vascular lesions affecting central nervous system (330-394)	6	107,4	28	276,0	5	90,8	4	116,9
Accidents (800-992)	9	161,2	11	185,6	5	36,3	7	107,9
Other diseases of early infancy (760-776)	4	71,6	5	19,3	2	72,9	7	84,0
Influenza and pneumonia (460-593)	4	19,7	1	39,4	7	36,4	1	18,4
Nephritis and nephrosis (590-591)	1	19,7	1	36,4	-	2	36,7	-
Diabetes mellitus (260)	-	17,9	-	-	-	-	-	-
Tuberculosis, all forms (601-619)	-	-	-	-	-	-	-	-

Estimated population, July 1, 1953	Hartville	Harris	Hawley	Hugo	Iola	Kingsburg	Kosciusko
No.	5,192	3,706	2,702	6,010	1,490	1,490	3,715
Live births*	76	21,3	272	21,0	60	16,9	105
Stillbirths*	49	13,6	14,3	11,9	9,2	10,5	15,0
Deaths, all causes*	2	16,3	12,3	12,3	12,3	12,3	12,3
Maternal deaths*	-	-	1	20,1	1	20,1	21,6
Deaths from leading causes**	-	-	-	-	-	-	-
Diseases of the heart (110-143)	18	505,3	52	102,3	13	115,4	152
Vascular lesions affecting central nervous system (330-394)	8	228,6	13	100,6	10	88,8	156,8
Accidents (800-992)	5	104,6	15	165,0	7	62,2	92,5
Other diseases of early infancy (760-776)	5	28,1	16	165,2	7	53,3	90,0
Influenza and pneumonia (460-593)	4	28,1	5	38,7	2	17,8	27,7
Nephritis and nephrosis (590-591)	1	112,3	14	30,9	1	15,4	15,5
Diabetes mellitus (260)	-	28,1	3	7,7	1	8,9	21,0
Tuberculosis, all forms (601-619)	-	-	3	23,2	1	7	18,0

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES
HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1953
(Continued)

Estimated population, July 1, 1953		Nowata		Okemah		Oklahoma City		Omulgee		Pauls Valley		Pawnee		
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*		83	20.0	71	20.6	1,102	28.9	377	19.8	183	21.5	105	19.7	
Stillbirths*		5	6.0	32	6.3	2,223	12.9	371	17.1	940	21.5	70	19.0	
Deaths, all causes*		66	16.6	45	28.2	237	29.3	13	34.5	4	6.4	76.2	13.1	
Infant deaths*		5	6.0	2	28.2	159	0.3	1	29.2	4	21.3	8	-	
Maternal deaths*		—	—	2	28.2	2.7	—	—	—	6	76.2	—	—	
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	
Diseases of the heart (110-113)	20	501.9	7	202.7	703	271.4	60	340.9	21	280.8	15	201.4	150.1	
Malignant neoplasms (140-205)	11	175.7	4	115.8	371	188.3	23	180.7	6	80.2	8	181.1	150.1	
Vascular lesions affecting central nervous system (330-334)	11	160.0	2	57.9	168	181.3	18	31.5	6	107.0	5	187.6	152.8	
Accidents (300-592)	4	126.5	1	29.0	137	53.5	9	17.2	4	53.5	6	112.5	37.5	
Certain diseases of early infancy	5	125.5	1	29.0	160	351.1	7	36.7	3	13.4	3	56.3	56.3	
Injuries and poisonings (400-999)	2	50.2	3	29.0	24	15.3	5	26.2	1	13.4	4	175.0	18.8	
Neuritis and neuritis (350-394)	2	25.1	2	57.9	39	15.2	4	10.5	1	13.4	4	153.4	18.8	
Tuberculosis, all forms (001-019)	1	—	—	23	94.0	1	2	54.2	1	54.5	1	181.8	—	
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	
Estimated population, July 1, 1953	2,990	5,166	3,152	21,282	5,023	5,313								
Pawnee	Parry	Picher	Pointe City	Poteau	Pryor									
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	91	21.0	109	21.1	65	16.7	277	27.1	91	19.7	113	22.0	—	—
Stillbirths*	46	16.0	52	18.3	42	10.9	173	21.3	52	24.2	42	37.7	28.5	—
Deaths, all causes*	14	32.5	52	40.1	43	75.0	173	42.5	47	8.2	12.2	10.6	16.6	—
Infant deaths*	4	40.2	—	—	4	60.6	17	12.1	4	62.6	8	70.8	39.9	—
Maternal deaths*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the heart (110-113)	12	123.8	18	306.4	16	105.0	76	357.1	12	238.9	21	409.1	177.9	
Malignant neoplasms (140-205)	8	275.9	18	315.5	17	177.2	22	193.4	7	139.4	21	409.1	219.1	
Vascular lesions affecting central nervous system (330-334)	3	203.4	6	116.1	2	50.6	17	79.9	5	99.5	4	71.9	39.0	
Accidents (300-592)	3	103.4	4	77.4	3	75.9	11	51.7	5	99.5	2	39.0	—	
Certain diseases of early infancy	3	103.4	1	103.4	4	103.2	7	32.9	4	79.6	7	150.0	—	
Infant deaths*	3	206.9	1	19.4	2	50.6	3	52.7	1	19.5	12	30.3	29.7	
Maternal deaths*	1	34.5	1	19.4	1	11.1	1	14.7	1	10.5	2	21.3	14.7	
Tuberculosis, all forms (001-019)	2	69.0	1	19.4	1	10.2	1	14.7	1	12.9	1	20.2	11.7	
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	
Estimated population, July 1, 1953	3,056	3,129	7,271	13,205	3,169	3,197								
Purcell	Sallisaw	Sand Springs	Sugarcreek	Sayre	Sparks									
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	68	51	17.3	231	32.2	307	66	19.0	211	21.4	106.4	17.2	106.4	
Stillbirths*	24	6.5	10	12.8	76	10.4	159	12.0	41	11.8	68	6.2	22.7	
Deaths, all causes*	21	11.7	—	—	11	29.9	19	15.2	2	30.3	3	30.3	30.3	
Infant deaths*	1	11.7	—	—	5	24.1	—	15.2	1	15.2	1	28.2	15.6	
Maternal deaths*	—	—	—	—	—	—	—	—	—	—	—	—	—	
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	
Estimated population, July 1, 1953	3,056	3,129	7,271	13,205	3,169	3,197								
Vanita	Wagoner	Waukesha	Watonga	Wessington	Westward	Wewoka	Woodward							
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	138	21.4	95	20.3	65	22.7	71	21.0	61	16.6	138	14.8	16.6	16.6
Stillbirths*	3	10.2	4	10.2	3	12.3	3	10.3	2	10.3	31	11.2	31	31
Deaths, all causes*	83	36.5	92	36.5	91	30.3	29	30.0	30	30.3	2	10.5	10.5	10.5
Infant deaths*	6	67.8	1	30.3	1	30.5	2	30.3	3	18.3	1	15.6	3	15.6
Maternal deaths*	—	—	59.3	1	10.5	2	30.3	2	28.2	1	15.6	3	21.7	21.7
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated population, July 1, 1953	5,518	4,695	2,999	3,306	3,464	6,747	6,061							
Shawnee	Seminole	Sedgwick	Sullivan	Talihina	Tishomingo	Tonkawa	Tulsa	Wagoner	Wells	Wewoka	Woodward	Wewoka	Woodward	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	118	21.4	95	20.3	65	22.7	71	21.0	61	16.6	138	14.8	16.6	
Stillbirths*	3	10.2	4	10.2	3	12.3	3	10.3	2	10.3	31	11.2	31	
Deaths, all causes*	92	36.5	91	36.5	91	30.3	29	30.0	30	30.3	2	10.5	10.5	
Infant deaths*	6	67.8	1	30.3	1	30.5	2	30.3	3	18.3	1	15.6	3	15.6
Maternal deaths*	—	—	59.3	1	10.5	2	30.3	2	28.2	1	15.6	3	21.7	21.7
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated population, July 1, 1953	10,674	11,145	12,586	11,603	11,747	11,291	10,274	10,418	10,875	10,787	10,768	10,633	10,972	
Spavinaw	Southwest	Spiral	Stringtown	Tabularia	Tecumseh	Techtona	Timber Creek	Tipton	Tonkawa	Tonkawa	Tonkawa	Tonkawa	Tonkawa	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	290	21.4	283	20.3	247	22.7	216	21.0	180	16.6	138	14.8	16.6	
Stillbirths*	2	10.2	4	10.2	3	12.3	3	10.3	2	10.3	31	11.2	31	
Deaths, all causes*	348	36.5	347	36.5	346	30.3	345	30.0	343	30.3	342	30.3	30.3	
Infant deaths*	2	67.8	1	30.3	1	30.5	2	30.3	3	18.3	1	15.6	3	15.6
Maternal deaths*	—	—	59.3	1	10.5	2	30.3	2	28.2	1	15.6	3	21.7	21.7
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated population, July 1, 1953	3,134	3,129	3,169	3,197	3,169	3,197	3,169	3,197	3,169	3,197	3,169	3,197	3,169	
Spavinaw	Southwest	Spiral	Stringtown	Tabularia	Tecumseh	Techtona	Timber Creek	Tipton	Tonkawa	Tonkawa	Tonkawa	Tonkawa	Tonkawa	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	280	21.4	273	20.3	237	22.7	206	21.0	170	16.6	138	14.8	16.6	
Stillbirths*	2	10.2	4	10.2	3	12.3	3	10.3	2	10.3	31	11.2	31	
Deaths, all causes*	346	36.5	345	36.5	344	30.3	343	30.0	342	30.3	341	30.3	30.3	
Infant deaths*	2	67.8	1	30.3	1	30.5	2	30.3	3	18.3	1	15.6	3	15.6
Maternal deaths*	—	—	59.3	1	10.5	2	30.3	2	28.2	1	15.6	3	21.7	21.7
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated population, July 1, 1953	3,134	3,129	3,169	3,197	3,169	3,197	3,169	3,197	3,169	3,197	3,169	3,197	3,169	

TABLE VII. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE, FOR CITIES
HAVING A POPULATION OF 2,500 OR MORE, OKLAHOMA, 1953
(Continued)

Estimated population, July 1, 1953		Wagoner		Waukesha		Watonga		Wessington		Westward		Wewoka		
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births*	183	21.4	183	20.3	183	22.7	183	21.0	183	16.6	183	14.8	183	16.6
Stillbirths*	2	10.2	4	10.2	3	12.3	3	10.3	2	10.3	31	11.2	31	
Deaths, all causes*	342	36.5	342	36.5	342	30.3	342	30.0	342	30.3	342	30.3	342	30.3
Infant deaths*	2	67.8	1	30.3	1	30.5	2	30.3	3	18.3	1	15.6	3	15.6
Maternal deaths*	—	—	59.3	1	10.5	2	30.3	2	28.2	1	15.6	3	21.7	21.7
Deaths from leading causes**		—	—	—	—	—	—	—	—	—	—	—	—	—
Estimated population, July 1, 1953	3,134	3,129	3,169	3,197	3,169	3,197	3,169	3,197	3,169	3,197	3,169	3,197	3,169	
Spavinaw	Southwest	Spiral	Stringtown	Tabularia	Tecumseh	Techtona	Timber Creek	Tipton	Tonkawa	Tonkawa	Tonkawa	Tonkawa	Tonkawa	
No.														