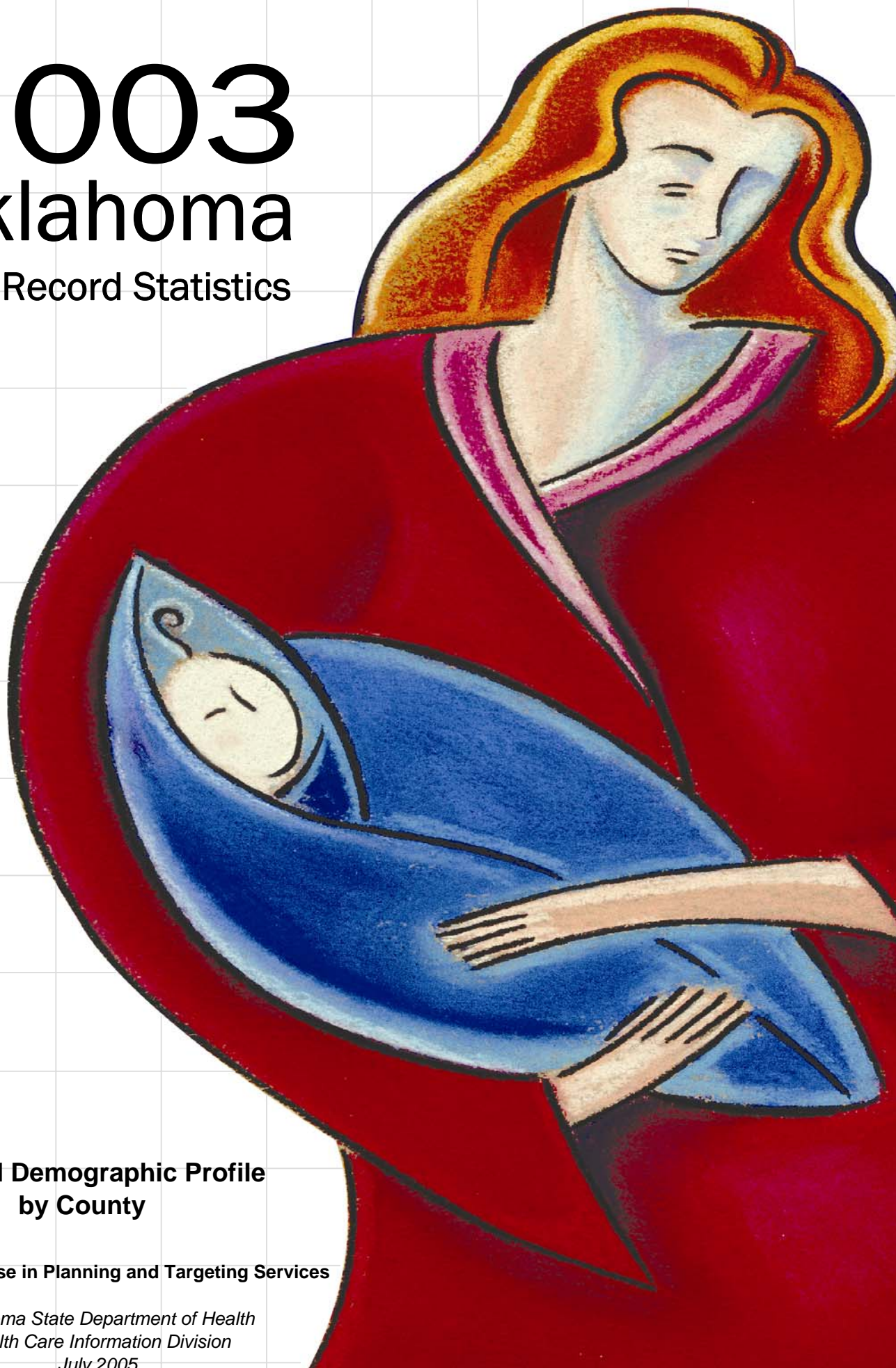


2003 Oklahoma

Vital Record Statistics



**Selected Demographic Profile
by County**

Prepared for Use in Planning and Targeting Services

*Oklahoma State Department of Health
Health Care Information Division
July 2005*

**Selected Demographic Information
Birth and Death Certificates
The State of Oklahoma, 2003**

Prepared for use in planning and targeting of Maternal and Infant Health,
and Child Health and Guidance Services.

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Forward

The information contained in this publication has been prepared as reference data, which may be used in planning of health programs. The information presented here is taken from birth, death, and fetal death certificates. Population estimates were obtained from the U.S. Bureau of Census and the Oklahoma Department of Commerce.

Philosophical considerations are made to the concept of providing commonly used data and giving a survey of the types of data available. Should more detailed information be required in some area, this office may be able to supply that on request. In regard to a break in the annual consistency of some tables, this office has consistent trend data on many factors related to births from 1975 through 2002 and deaths from 1980 through 2003.

Previous reports in this series have focused on maternal and child health issues. Beginning in 2002, this report has been expanded to include a more comprehensive review of deaths in Oklahoma. In addition to providing information related to deaths by county, many tables focus on leading causes of death by age, race and gender as well as providing related years of potential life lost.

In Vital records, we recognize the need to provide researchers, as well as the general public, rapid access to the information contained in these databases for the purpose of community planning. Communities have an increased desire to identify disparate subgroups of individuals at increased risk for poor outcomes because of age, race, ethnicity, region or other demographic characteristic. To accommodate this, a new web site was launched in 2002. The Oklahoma Vital Records Data Query system was developed to promote instantaneous access to aggregated birth and death data for the purpose of promoting information-driven decision making. In that vein, the web-site has been named **OK 2 SHARE** (**OK**lahoma **S**tatistics on **H**ealth **A**vailable fo**R** **E**veryone. www.health.state.ok.us/stats/vs

To accomplish this, the Health Care Information Division of the Oklahoma State Department of Health has developed a user-friendly data query system that will allow public health practitioners and researchers, as well as the general public, access to create customized tables without delay. Access is provided to data which can be broken down by various demographic, including age, gender, county, etc. Birth data from 1975 and death data from 1980 is now available for analysis. Data elements include:

Births : mother's age, mother's race and Hispanic origin, mother's education level, trimester prenatal care began, number of previous live births, plurality, and birth weight. Crude birth rates and fertility rates are available.

Deaths : age, race, Hispanic origin, gender, cause of death (std and rankable), ICD9 (1991-1998; ICD10 (1999+). Crude rates, age-adjusted to either state or national standards and years of potential life lost (YPLL) are also available.

In 2001, an intensive campaign was done educate medical staff on the filing process and to raise awareness related item non-response. New editing protocols were also put in place to monitor reporting. Additionally, Oklahoma became the 47th state to implement the new Electronic Birth Certificate (EBC) system. Those facilities that are not yet using the new system have continued to submit the information using the traditional paper format and they are entered into the system once they arrive at the state health department.

The birth certificate lists only the reported race of each parent. Until 1989, the National Center for Health Statistics (NCHS), the federal agency in charge of all Vital Records, used a complex algorithm to determine the race of the infant. Generally speaking, this formula identified the race of the infant as the race of the darker parent. In 1989, both classifications were reported. Since then, national comparisons with race can be made only using that of the mother. In this office, we have data using both classifications back to 1975.

The American Indian population does not reside within reservation boundaries in Oklahoma, and is, therefore, more heterogeneously distributed throughout the population of the state. As a result the standard way of classifying race does not reliably document the American Indian births and infant deaths. Special attention should be given to the data when studying information related to race.

When calculating percentages, unknown values are subtracted from the total number of births. Therefore, the percentages are based solely on reported values.

Other types of data and more detailed information from Vital Statistics may be requested by contacting Health Care Information, (405) 271-6225 of the Oklahoma State Department of Health.

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Definitions

Live birth: An infant with signs of life at birth.

Low birthweight: A live birth weighing 5 lb. 8 oz. or less (under 2,500 grams).

Very low birthweight: A live birth weighing 3 lb. 5 oz. Or less (under 1,500 grams).

Prenatal Care:

First trimester - care beginning during the first 3 months of pregnancy

Adequate care - entry in first trimester and 10 or more visits

Little care - entry in first or second trimester and 1 to 3 visits

Late care - entry in third trimester with 1 or more visits

No care - never entered care (coding - zero trimester with zero or unknown visits, or unknown trimester with zero visits)

Low education: less than 12 grades of school completed

Unmarried: never married, divorced, or widowed at the time of the infant's birth

Fertility: births to a particular population of women (i.e. age group and/or race)

Birth interval: measured among mothers with a previous delivery.

Calculated as the number of months between most recent delivery and the previous delivery.

Short birth interval : < 18 months or < 24 months

High parity:

Teens - under 20 years of age with 2 or more previous births

Adults - ages 20 and over with 4 or more previous births

Gestational age: the time in weeks from last reported menses to birth

Race: the race of mother unless otherwise specified

County: the county of residence unless otherwise specified

Infant Death: a live birth dying before completing one year of life

Neonatal death: a live birth dying before 28 days of life

Post-neonatal death: a live birth dying between 29 days and one year of life

Fetal death (still birth): fetus 20 weeks or more gestation, born dead

Perinatal death: combined fetal and neonatal deaths

Years of Potential Life Lost (YPLL): Measure the impact of certain conditions which cause increased death among younger persons. Based on the number of years of life lost for each death that occurs before a selected endpoint.

Age 65 - productive life lost

Life expectancy - total life lost

Cause of Death:

Deaths which occurred from 1999-2001 on were classified using ICD-10. The lists of 113 selected causes, 50 rankable causes and 39 selected causes are the lists that are used for general analysis. The Rankable Causes were selected from these lists by excluding those causes which were vaguely categorized (i.e. symptoms, signs, and abnormal clinical findings, those not else where classified and all "other" categories) (2). Specific ICD-10 codes for the 113 Selected Causes, 50 Rankable Causes and 39 Selected Causes can be found in the appendices of this document.

For information on the ICD-9 mortality coding system go to: <http://www.cdc.gov/nchs/about/major/dvs/icd9des.htm>

For information on the ICD-10 mortality coding system go to: <http://www.cdc.gov/nchs/about/major/dvs/icd10des.htm>

1. Anderson RN, Minino AM, Hoyert DL, Rosenberg HM, Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates. National Vital Statistics Report: vol 49 no 2. Hyattsville, Maryland: National Center for Health Statistics. 2001. http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf

2. Anderson RN: Deaths: Leading Causes for 2000. National Vital Statistic Reports: vol 50 no 16. Hyattsville, Maryland: National Center for Health Statistics. 2002. http://www.cdc.gov/nchs/data/nvsr/nvsr50/nvsr50_16.pdf

Formulas

Note: When calculating percentages for various maternal characteristics, the unknown values are always subtracted from the total values before the calculation is undertaken. Some of the tables in this document do not show the unknown values; however, they are used in the computations.

$$\text{Birth rate (crude): } \frac{\text{All live births}}{\text{Total population}} \times 1,000$$

$$\text{Fertility rate (age-specific birth rate): } \frac{\text{Births to women in specified age group}}{\text{Population of women in specified age group}} \times 1,000$$

$$\text{Percent low birthweight: } \frac{\text{All births less than 2,500 grams}}{\text{All births minus births of unknown birthweight}} \times 1,000$$

$$\text{Percent short birth interval: } \frac{\text{All births less than 24 months}}{\text{All births minus no previous births and unknown}} \times 1,000$$

Note: A similar calculation is made for short birth interval of less than 18 months. Only the primary birth is included in the case of multiple births.

Percent high parity:

$$\text{Teens: } \frac{\text{Births to women less than 20 years with 2 or more previous births}}{\text{All births to women under 20 years with a previous birth}} \times 1,000$$

$$\text{Adults: } \frac{\text{Births to women 20 years or older with 4 or more previous births}}{\text{All births to women 20 years or older with a previous birth}} \times 1,000$$

$$\text{Mortality Rate (Death Rate): } \frac{\text{All resident deaths}}{\text{Resident population}} \times 100,000$$

$$\text{Age Specific Mortality Rate (Death Rate): } \frac{\text{Number of resident deaths in that age group}}{\text{Population within that age group}} \times 100,000$$

$$\text{Infant mortality rate: } \frac{\text{All infant deaths}}{\text{All live births}} \times 1,000$$

$$\text{Neonatal mortality rate: } \frac{\text{All neonatal deaths}}{\text{All live births}} \times 1,000$$

$$\text{Post-neonatal mortality rate: } \frac{\text{All post-neonatal deaths}}{\text{All live births}} \times 1,000$$

$$\text{Fetal mortality rate: } \frac{\text{All fetal deaths}}{\text{All live births}} \times 1,000$$

$$\text{Perinatal mortality rate: } \frac{\text{All fetal deaths} + \text{all neonatal deaths}}{\text{All live births} + \text{all fetal deaths}} \times 1,000$$

Age Adjusted Mortality Rate (Death Rate):

$$\text{Oklahoma 2000 Standard Population} = \frac{\text{Age Specific Mortality Rate} \times \text{Population within that age group}}{\text{Oklahoma 2000 population}}$$

$$\text{United States 2000 Standard Population} = \frac{\text{Age Specific Mortality Rate} \times \text{Population within that age group}}{\text{US 2000 population}}$$

when calculating the rate for combined years the population is the sum of the populations for the specified time span

Table 1. Number of births by race and Hispanic origin of mother, crude birth rates, and population estimates: Oklahoma and each County, 2003

(Crude birth rates are live births per 1,000 population. Population estimates provided by the Oklahoma Department of Commerce, U.S. Bureau of the Census)

County	Total	Race of mother					Hispanic ¹	Crude birth rate	Total population estimate
		White	Black	Am. Indian	Other	Unk			
State	50,874	39,656	4,589	5,297	1,165	167	5,720	14.5	3,511,532
Adair	373	160	1	210	1	1	12	17.3	21,614
Alfalfa	48	47	-	1	-	-	-	8.1	5,910
Atoka	170	124	7	39	-	-	6	12.0	14,142
Beaver	73	71	-	1	1	-	15	13.1	5,582
Beckham	296	280	8	6	2	-	16	14.9	19,894
Blaine	140	105	5	30	-	-	12	12.0	11,678
Bryan	493	418	4	67	2	2	33	13.2	37,306
Caddo	436	280	6	147	3	-	47	14.5	30,070
Canadian	1,216	1,091	16	78	29	2	70	13.1	92,904
Carter	674	536	61	67	10	-	29	14.5	46,396
Cherokee	606	305	6	290	5	-	57	13.8	43,783
Choctaw	200	138	26	35	.	1	12	13.0	15,431
Cimarron	32	32	-	-	-	-	10	10.8	2,961
Cleveland	2,607	2,287	101	127	76	16	173	11.9	219,966
Coal	70	53	-	17	-	-	4	11.8	5,946
Comanche	1,886	1,247	418	146	71	4	243	16.6	113,890
Cotton	77	64	-	13	-	-	7	11.7	6,582
Craig	209	145	4	55	4	1	8	14.0	14,880
Creek	900	773	32	91	2	2	27	13.1	68,794
Custer	372	318	11	40	3	-	58	14.9	24,962
Delaware	436	277	1	155	1	2	11	11.3	38,709
Dewey	47	40	-	7	-	-	3	10.3	4,549
Ellis	57	57	-	-	-	-	6	14.3	3,996
Garfield	901	813	18	21	49	-	88	15.8	57,105
Garvin	319	278	5	33	3	-	21	11.7	27,218
Grady	622	560	19	34	6	3	24	13.1	47,439
Grant	31	29	-	1	1	-	1	6.2	4,973
Greer	57	54	1	2	-	-	9	9.7	5,888
Harmon	31	28	3	-	-	-	12	10.2	3,053
Harper	27	27	-	-	-	-	6	7.9	3,398
Haskell	155	120	1	34	-	-	2	12.9	12,044
Hughes	166	126	-	40	-	-	5	11.9	13,898
Jackson	462	398	41	15	8	-	114	16.9	27,338
Jefferson	81	76	-	4	1	-	11	12.4	6,535
Johnston	128	103	1	24	-	-	3	12.2	10,522
Kay	711	606	12	88	5	-	51	15.0	47,260
Kingfisher	189	180	-	7	1	1	31	13.4	14,072
Kiowa	105	88	6	9	2	-	12	10.5	9,977
Latimer	109	80	-	29	-	-	8	10.3	10,575
Leflore	742	621	15	104	2	-	102	15.2	48,896

¹Hispanic births are of any race.

- Denotes no events in that category.

Table 1. Number of births by race and Hispanic origin of mother, crude birth rates, and population estimates: Oklahoma and each County, 2003

(Crude birth rates are live births per 1,000 population. Population estimates provided by the Oklahoma Department of Commerce, U.S. Bureau of the Census)

County	Total	Race of mother					Hispanic ¹	Crude birth rate	Total population estimate
		White	Black	Am. Indian	Other	Unk			
State	50,874	39,656	4,589	5,297	1,165	167	5,720	14.5	3,511,532
Lincoln	392	349	11	30	2	-	2	12.2	32,262
Logan	438	395	35	6	1	1	17	12.4	35,420
Love	105	95	-	9	1	-	27	11.8	8,905
McClain	387	357	2	24	2	2	33	13.5	28,595
McCurtain	485	349	40	94	2	-	29	14.3	34,006
McIntosh	244	177	11	55	1	-	4	12.4	19,735
Major	71	68	-	3	-	-	4	9.6	7,422
Marshall	185	160	2	20	1	2	42	13.6	13,652
Mayer	500	346	-	152	2	-	7	12.9	38,870
Murray	159	126	2	27	4	-	12	12.5	12,718
Muskogee	965	618	133	210	4	-	59	13.7	70,255
Noble	171	146	1	24	-	-	-	15.2	11,251
Nowata	125	89	1	35	-	-	-	11.5	10,836
Okfuskee	140	103	4	33	-	-	3	12.0	11,679
Oklahoma	11,603	8,533	1,969	474	525	102	2,204	17.2	676,066
Okmulgee	525	377	46	97	4	1	14	13.2	39,681
Osage	423	297	19	104	3	-	9	9.3	45,249
Ottawa	397	288	1	103	4	1	26	12.1	32,761
Pawnee	211	170	2	39	-	-	2	12.6	16,789
Payne	857	742	22	49	44	-	28	12.1	71,059
Pittsburg	543	431	16	89	5	2	21	12.3	44,168
Pontotoc	511	392	11	103	5	-	19	14.5	35,174
Pottawatomie	870	676	30	155	9	-	22	12.9	67,348
Pushmataha	144	109	-	35	-	-	2	12.3	11,750
Roger Mills	44	36	-	8	-	-	-	13.7	3,201
Rogers	978	799	6	166	7	-	36	12.7	77,193
Seminole	424	284	17	118	3	2	8	17.3	24,489
Sequoyah	519	399	9	108	3	-	15	13.0	39,979
Stephens	526	482	10	30	4	-	31	12.4	42,474
Texas	376	371	-	1	4	-	195	18.9	19,935
Tillman	95	88	7	-	-	-	30	10.8	8,835
Tulsa	9,357	7,195	1,292	636	218	16	1,361	16.4	570,313
Wagoner	742	601	40	93	8	-	27	12.0	61,827
Washington	623	507	20	86	7	3	29	12.7	49,121
Washita	138	134	-	3	1	-	16	12.3	11,247
Woods	77	72	-	4	1	-	2	8.9	8,670
Woodward	270	260	1	7	2	-	25	14.6	18,461

¹Hispanic births are of any race.

- Denotes no events in that category.

Table 2. Percent of births by race and Hispanic origin of mother and percent of state for each county: Oklahoma, 2003

County	Race of mother					Total births	% of state
	White	Black	American Indian	Other	Hispanic ¹		
State	78.2	9.1	10.4	2.3	11.3	50,874	100.00
Adair	43.0	0.3	56.5	0.3	3.2	373	0.73
Alfalfa	97.9	-	2.1	-	-	48	0.09
Atoka	72.9	4.1	22.9	-	3.6	170	0.33
Beaver	97.3	-	1.4	1.4	20.5	73	0.14
Beckham	94.6	2.7	2.0	0.7	5.4	296	0.58
Blaine	75.0	3.6	21.4	-	8.6	140	0.28
Bryan	85.1	0.8	13.6	0.4	6.8	493	0.97
Caddo	64.2	1.4	33.7	0.7	10.8	436	0.86
Canadian	89.9	1.3	6.4	2.4	5.8	1,216	2.39
Carter	79.5	9.1	9.9	1.5	4.3	674	1.32
Cherokee	50.3	1.0	47.9	0.8	9.4	606	1.19
Choctaw	69.3	13.1	17.6	-	6.1	200	0.39
Cimarron	100.0	-	-	-	32.3	32	0.06
Cleveland	88.3	3.9	4.9	2.9	6.6	2,607	5.12
Coal	75.7	-	24.3	-	5.7	70	0.14
Comanche	66.3	22.2	7.8	3.8	12.9	1,886	3.71
Cotton	83.1	-	16.9	-	9.1	77	0.15
Craig	69.7	1.9	26.4	1.9	3.9	209	0.41
Creek	86.1	3.6	10.1	0.2	3.0	900	1.77
Custer	85.5	3.0	10.8	0.8	15.6	372	0.73
Delaware	63.8	0.2	35.7	0.2	2.6	436	0.86
Dewey	85.1	-	14.9	-	6.4	47	0.09
Ellis	100.0	-	-	-	10.5	57	0.11
Garfield	90.2	2.0	2.3	5.4	9.8	901	1.77
Garvin	87.1	1.6	10.3	0.9	6.6	319	0.63
Grady	90.5	3.1	5.5	1.0	3.9	622	1.22
Grant	93.5	-	3.2	3.2	3.2	31	0.06
Greer	94.7	1.8	3.5	-	15.8	57	0.11
Harmon	90.3	9.7	-	-	38.7	31	0.06
Harper	100.0	-	-	-	22.2	27	0.05
Haskell	77.4	0.6	21.9	-	1.3	155	0.30
Hughes	75.9	-	24.1	-	3.0	166	0.33
Jackson	86.1	8.9	3.2	1.7	24.7	462	0.91
Jefferson	93.8	-	4.9	1.2	13.6	81	0.16
Johnston	80.5	0.8	18.8	-	2.4	128	0.25
Kay	85.2	1.7	12.4	0.7	7.2	711	1.40
Kingfisher	95.7	-	3.7	0.5	16.4	189	0.37
Kiowa	83.8	5.7	8.6	1.9	11.4	105	0.21
Latimer	73.4	-	26.6	-	7.5	109	0.21
Leflore	83.7	2.0	14.0	0.3	13.8	742	1.46

¹Hispanic births are of any race.

- Denotes no events in that category.

Table 2. Percent of births by race and Hispanic origin of mother and percent of state for each county: Oklahoma, 2003

County	Race of mother					Total births	% of state
	White	Black	American Indian	Other	Hispanic ¹		
State	78.2	9.1	10.4	2.3	11.3	50,874	100.00
Lincoln	89.0	2.8	7.7	0.5	0.5	392	0.77
Logan	90.4	8.0	1.4	0.2	3.9	438	0.86
Love	90.5	-	8.6	1.0	25.7	105	0.21
McClain	92.7	0.5	6.2	0.5	8.5	387	0.76
McCurtain	72.0	8.2	19.4	0.4	6.0	485	0.95
McIntosh	72.5	4.5	22.5	0.4	1.6	244	0.48
Major	95.8	-	4.2	-	5.6	71	0.14
Marshall	87.4	1.1	10.9	0.5	23.0	185	0.36
Mayes	69.2	-	30.4	0.4	1.4	500	0.98
Murray	79.2	1.3	17.0	2.5	7.5	159	0.31
Muskogee	64.0	13.8	21.8	0.4	6.1	965	1.90
Noble	85.4	0.6	14.0	-	-	171	0.34
Nowata	71.2	0.8	28.0	-	-	125	0.25
Okfuskee	73.6	2.9	23.6	-	2.2	140	0.28
Oklahoma	74.2	17.1	4.1	4.6	19.0	11,603	22.81
Okmulgee	71.9	8.8	18.5	0.8	2.7	525	1.03
Osage	70.2	4.5	24.6	0.7	2.1	423	0.83
Ottawa	72.7	0.3	26.0	1.0	7.1	397	0.78
Pawnee	80.6	0.9	18.5	-	1.0	211	0.41
Payne	86.6	2.6	5.7	5.1	3.3	857	1.68
Pittsburg	79.7	3.0	16.5	0.9	3.9	543	1.07
Pontotoc	76.7	2.2	20.2	1.0	3.7	511	1.00
Pottawatomie	77.7	3.4	17.8	1.0	2.5	870	1.71
Pushmataha	75.7	-	24.3	-	1.4	144	0.28
Roger Mills	81.8	-	18.2	-	-	44	0.09
Rogers	81.7	0.6	17.0	0.7	3.7	978	1.92
Seminole	67.3	4.0	28.0	0.7	1.9	424	0.83
Sequoyah	76.9	1.7	20.8	0.6	2.9	519	1.02
Stephens	91.6	1.9	5.7	0.8	5.9	526	1.03
Texas	98.7	-	0.3	1.1	52.0	376	0.74
Tillman	92.6	7.4	-	-	31.6	95	0.19
Tulsa	77.0	13.8	6.8	2.3	14.6	9,357	18.39
Wagoner	81.0	5.4	12.5	1.1	3.6	742	1.46
Washington	81.8	3.2	13.9	1.1	4.7	623	1.22
Washita	97.1	-	2.2	0.7	11.6	138	0.27
Woods	93.5	-	5.2	1.3	2.6	77	0.15
Woodward	96.3	0.4	2.6	0.7	9.3	270	0.53

¹Hispanic births are of any race.

- Denotes no events in that category.

Table 3. Number of births by age of mother: Oklahoma and each County, 2003

County	Total	Age of mother									Unk
		10-14 years	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-54 years	
State	50,874	95	2,118	4,855	17,191	13,711	8,865	3,276	719	33	11
Adair	373	1	29	57	147	78	48	10	3	-	-
Alfalfa	48	-	3	5	16	15	6	3	-	-	-
Atoka	170	-	5	17	72	40	24	12	-	-	-
Beaver	73	-	3	5	26	21	13	5	-	-	-
Beckham	296	-	11	37	125	74	35	14	-	-	-
Blaine	140	-	9	21	44	39	21	4	2	-	-
Bryan	493	-	22	60	209	114	59	22	5	2	-
Caddo	436	-	21	45	162	110	60	29	8	-	1
Canadian	1,216	1	33	97	339	374	263	98	10	1	-
Carter	674	1	38	76	232	190	100	29	8	-	-
Cherokee	606	3	27	72	225	159	84	28	8	-	-
Choctaw	200	1	13	21	84	45	23	11	2	-	-
Cimarron	32	-	-	2	12	7	9	2	-	-	-
Cleveland	2,607	2	52	156	726	802	599	218	49	2	1
Coal	70	-	1	10	28	14	14	2	1	-	-
Comanche	1,886	4	68	209	738	492	269	89	15	-	2
Cotton	77	-	3	12	21	25	12	3	1	-	-
Craig	209	-	8	29	72	56	34	8	2	-	-
Creek	900	2	38	84	336	226	148	55	10	1	-
Custer	372	-	16	33	155	87	59	17	5	-	-
Delaware	436	4	17	57	152	119	56	29	1	-	1
Dewey	47	-	1	4	18	15	6	2	1	-	-
Ellis	57	1	-	6	24	15	9	1	1	-	-
Garfield	901	1	37	85	343	243	126	55	11	-	-
Garvin	319	1	10	40	119	81	50	14	4	-	-
Grady	622	-	24	56	218	154	122	44	4	-	-
Grant	31	-	2	2	8	11	5	2	1	-	-
Greer	57	-	6	3	26	10	7	5	-	-	-
Harmon	31	-	3	4	12	7	4	1	-	-	-
Harper	27	-	1	4	13	6	2	1	-	-	-
Haskell	155	-	4	12	78	41	15	3	1	-	1
Hughes	166	-	8	22	66	42	21	7	-	-	-
Jackson	462	2	21	46	172	116	75	26	4	-	-
Jefferson	81	-	4	17	18	29	10	3	-	-	-
Johnston	128	-	10	21	51	26	17	2	1	-	-
Kay	711	1	44	71	273	190	80	41	11	-	-
Kingfisher	189	-	5	12	70	47	41	10	4	-	-
Kiowa	105	-	8	14	43	20	13	6	1	-	-
Latimer	109	-	4	14	54	15	16	4	2	-	-
Leflore	742	3	47	99	309	168	80	26	10	-	-

- Denotes no events in that category.

Table 3. Number of births by age of mother: Oklahoma and each County, 2003

County	Total	Age of mother									Unk
		10-14 years	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-54 years	
State	50,874	95	2,118	4,855	17,191	13,711	8,865	3,276	719	33	11
Lincoln	392	1	9	50	127	108	63	28	6	-	-
Logan	438	1	10	32	144	130	76	33	10	2	-
Love	105	-	2	9	42	17	22	10	3	-	-
McClain	387	-	12	26	126	131	64	19	9	-	-
McCurtain	485	-	31	53	200	122	61	16	2	-	-
McIntosh	244	-	8	28	92	66	36	9	5	-	-
Major	71	-	1	8	20	25	11	5	1	-	-
Marshall	185	-	8	21	70	44	32	7	3	-	-
Mayes	500	2	28	63	194	120	60	24	8	-	1
Murray	159	1	10	19	62	39	20	7	1	-	-
Muskogee	965	1	44	119	400	227	120	44	9	1	-
Noble	171	1	8	14	54	46	38	8	2	-	-
Nowata	125	-	6	12	42	39	20	5	1	-	-
Okfuskee	140	-	9	11	57	42	12	8	1	-	-
Oklahoma	11,603	27	536	1,003	3,765	3,131	2,145	789	195	11	1
Okmulgee	525	2	24	66	196	126	74	30	7	-	-
Osage	423	1	20	50	151	110	61	21	8	1	-
Ottawa	397	4	25	53	136	95	57	16	10	-	1
Pawnee	211	-	16	20	74	46	35	18	2	-	-
Payne	857	-	27	73	268	232	157	85	14	1	-
Pittsburg	543	-	24	61	204	140	78	32	3	1	-
Pontotoc	511	1	19	54	187	139	74	32	5	-	-
Pottawatomie	870	3	42	95	294	219	169	40	8	-	-
Pushmataha	144	-	10	15	54	33	24	7	1	-	-
Roger Mills	44	-	1	2	21	11	7	2	-	-	-
Rogers	978	1	24	85	289	286	202	77	12	2	-
Seminole	424	1	22	54	165	91	62	21	7	1	-
Sequoyah	519	-	29	75	177	137	73	20	8	-	-
Stephens	526	-	16	60	176	150	84	34	6	-	-
Texas	376	-	20	42	139	106	47	21	1	-	-
Tillman	95	-	9	15	32	19	19	1	-	-	-
Tulsa	9,357	20	353	757	2,780	2,644	1,901	743	153	4	2
Wagoner	742	-	22	65	204	226	147	62	16	-	-
Washington	623	-	22	51	216	174	113	38	8	1	-
Washita	138	-	7	16	55	30	16	8	5	1	-
Woods	77	-	-	5	32	26	10	4	-	-	-
Woodward	270	-	8	36	110	61	40	11	3	1	-

Table 4. Age-specific birth rates by age of mother: Oklahoma and each County, average 2001-2003

(Rates are per 1,000 female population in specified age group. Fertility rates are total live births per 1,000 female population aged 15-44.)

<i>County</i>	<i>15-19 years</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>20-24 years</i>	<i>25-29 years</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-44 years</i>	<i>Fertility rate</i>
State	57.2	29.8	96.2	131.3	120.8	77.2	27.6	5.3	68.7
Adair	96.6	56.5	166.7	206.7	114.0	60.7	19.9	6.3	83.7
Alfalfa	29.3	13.7	55.6	114.4	162.5	44.8	20.1	++	49.2
Atoka	65.8	22.7	138.0	183.0	110.1	59.0	15.9	++	68.4
Beaver	39.0	26.4	57.3	175.4	174.5	96.8	18.3	++	65.7
Beckham	79.4	33.0	148.2	192.3	127.5	64.7	19.8	2.4	79.4
Blaine	62.8	33.8	113.6	140.0	145.2	60.6	23.5	6.0	67.9
Bryan	65.0	30.5	112.6	129.2	98.0	50.8	20.8	5.5	65.0
Caddo	63.6	33.7	116.3	178.8	129.1	69.6	26.7	5.5	73.3
Canadian	33.9	13.8	69.8	104.9	135.4	86.9	28.8	3.8	58.9
Carter	68.0	33.8	124.9	169.5	131.4	64.5	21.7	3.8	72.3
Cherokee	51.6	36.0	65.4	98.3	103.7	72.1	23.9	4.9	62.1
Choctaw	93.8	57.8	156.5	185.3	108.9	52.9	23.1	5.2	75.2
Cimarron	35.9	++	82.0	169.2	191.4	109.5	20.8	.	71.0
Cleveland	27.5	12.9	43.4	64.9	93.8	75.7	28.1	4.9	49.4
Coal	67.1	25.6	135.6	160.2	117.2	69.8	24.8	++	70.8
Comanche	74.2	30.9	135.8	170.1	124.7	64.3	23.2	4.0	77.7
Cotton	55.7	24.7	107.9	132.1	134.7	66.4	15.2	++	62.5
Craig	66.9	30.9	124.1	167.1	141.6	85.6	17.3	4.6	73.0
Creek	53.6	24.2	103.8	153.7	123.0	65.3	23.7	3.8	65.1
Custer	52.7	35.4	69.3	84.6	121.8	83.9	26.9	4.5	63.6
Delaware	61.6	23.1	129.5	145.3	110.4	56.9	19.1	2.8	62.9
Dewey	37.9	++	71.4	157.5	170.6	58.0	35.1	++	65.0
Ellis	31.7	++	74.1	229.8	167.4	103.7	++	++	76.2
Garfield	64.5	30.0	119.7	164.8	135.4	75.6	25.6	4.6	75.3
Garvin	53.1	22.4	101.4	160.1	123.4	63.3	20.9	4.2	66.8
Grady	47.8	24.2	80.3	121.3	119.4	68.1	22.9	2.6	60.5
Grant	30.8	29.1	33.5	104.2	128.5	61.1	10.3	++	46.4
Greer	84.9	38.0	158.4	163.5	134.4	70.2	16.5	.	73.4
Harmon	61.9	37.0	106.7	172.5	99.5	86.7	++	++	63.7
Harper	33.8	20.5	56.7	182.2	138.7	85.3	21.8	++	62.3
Haskell	82.4	36.4	145.0	185.2	119.2	57.7	13.8	5.8	76.2
Hughes	63.7	32.1	115.2	189.9	116.3	72.4	13.7	3.6	72.2
Jackson	69.3	40.0	115.5	171.1	136.2	78.5	22.9	5.4	77.1
Jefferson	63.2	28.4	120.6	108.7	159.4	77.8	12.6	.	64.1
Johnston	70.4	33.1	122.2	130.2	107.5	49.5	14.3	++	60.9
Kay	68.2	41.7	107.4	167.6	146.7	65.9	24.8	6.9	75.6
Kingfisher	41.6	20.2	74.1	158.3	153.3	102.5	25.6	6.8	71.2
Kiowa	69.2	40.7	113.4	183.6	141.2	49.6	14.9	4.4	69.8
Latimer	46.4	30.3	60.4	124.4	93.8	47.1	14.7	++	53.9
Leflore	79.2	36.5	143.8	185.1	127.4	60.0	21.6	4.4	78.2

- Denotes no events in that category.

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

Table 4. Age-specific birth rates by age of mother: Oklahoma and each County, average 2001-2003

(Rates are per 1,000 female population in specified age group. Fertility rates are total live births per 1,000 female population aged 15-44.)

<i>County</i>	<i>15-19 years</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>20-24 years</i>	<i>25-29 years</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-44 years</i>	<i>Fertility rate</i>
State	57.2	29.8	96.2	131.3	120.8	77.2	27.6	5.3	68.7
Lincoln	52.7	23.5	100.9	135.7	121.5	65.5	25.7	3.9	61.7
Logan	27.9	14.3	41.2	85.6	115.5	79.6	25.4	5.7	53.2
Love	50.4	22.0	95.1	158.1	130.6	77.0	23.0	6.0	66.5
McClain	42.6	18.7	83.5	143.8	154.6	72.7	22.0	4.8	64.6
McCurtain	73.4	41.5	124.0	174.0	129.8	55.8	16.1	2.5	72.0
McIntosh	59.6	30.2	110.7	159.3	124.8	65.7	19.4	3.5	68.0
Major	33.1	10.5	67.7	108.0	147.2	84.9	16.6	++	55.4
Marshall	63.3	31.3	118.3	171.7	121.1	74.7	15.4	5.6	71.8
Mayes	57.7	25.0	115.6	161.8	118.6	57.1	18.9	4.7	67.5
Murray	67.2	33.6	112.9	140.6	109.7	58.8	22.6	4.4	64.5
Muskogee	64.4	28.6	116.4	157.2	116.0	59.5	16.7	4.9	68.6
Noble	45.9	19.4	94.3	173.2	135.8	77.6	29.7	6.6	70.6
Nowata	51.9	18.9	110.8	160.2	118.4	51.2	22.2	++	61.9
Okfuskee	62.4	33.4	110.2	142.0	133.7	58.4	19.0	5.2	66.8
Oklahoma	69.1	39.7	111.5	138.7	122.1	87.3	34.2	6.8	77.2
Okmulgee	62.8	29.8	113.6	148.1	121.4	65.5	22.9	4.2	68.4
Osage	45.6	22.2	85.3	118.5	115.5	55.0	22.8	5.5	53.9
Ottawa	58.9	33.4	89.0	142.5	111.7	62.5	18.7	5.5	65.5
Pawnee	49.0	26.1	92.0	148.8	126.8	61.6	26.6	4.7	63.0
Payne	27.9	24.3	29.6	46.2	78.0	78.4	36.7	7.6	45.9
Pittsburg	63.3	32.6	114.1	166.5	127.2	53.7	15.1	3.0	65.1
Pontotoc	64.4	31.8	117.1	117.2	116.2	66.5	23.4	3.9	66.8
Pottawatomie	55.6	30.7	88.3	122.4	108.9	64.8	21.3	2.8	62.1
Pushmataha	54.6	35.3	88.5	169.4	116.0	56.9	13.4	++	60.4
Roger Mills	55.0	++	108.1	225.2	215.7	101.0	26.0	.	81.7
Rogers	36.0	13.4	73.9	119.2	119.5	77.8	26.8	5.4	58.6
Seminole	84.1	40.9	152.7	169.5	134.3	74.9	27.7	5.1	80.6
Sequoyah	70.6	30.1	140.8	154.7	127.5	55.0	16.5	5.6	68.0
Stephens	53.8	20.0	108.7	147.8	137.1	65.9	20.1	2.2	65.1
Texas	85.3	55.0	122.7	167.4	146.3	88.5	30.6	5.8	90.4
Tillman	71.2	39.3	129.1	156.9	118.7	78.5	9.6	++	66.3
Tulsa	60.2	32.3	102.9	141.0	126.2	92.7	36.5	6.8	75.7
Wagoner	41.0	18.7	78.0	111.6	130.4	74.4	24.8	4.3	58.9
Washington	45.2	23.5	79.2	130.6	130.6	77.9	24.7	5.7	63.7
Washita	46.1	24.4	81.7	153.9	117.4	51.3	22.4	6.1	60.7
Woods	20.6	++	38.7	79.8	131.1	78.5	18.0	++	53.4
Woodward	60.7	20.7	122.0	189.4	136.0	75.1	17.5	3.5	74.1

- Denotes no events in that category.

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

Table 5. Births to women less than 20 years of age by race of mother and percent of teen births by first trimester, prenatal care, previous births, marital status, and total births to teens: Oklahoma and each County, 2003

County	Race of mother			Total < 20 years	% 1st Trimester	% Poor ¹ Care	% Previous Births	% Not Married
	White	Black	American Indian					
State	4,971	937	1,080	7,068	66.1	9.6	20.5	75.5
Adair	26	1	60	87	65.9	11.8	31.4	75.9
Alfalfa	8			8	**	**	**	**
Atoka	15		6	22	59.1	9.1	22.7	31.8
Beaver	8			8	**	**	**	**
Beckham	44	3	1	48	56.3	10.5	18.7	79.2
Blaine	17	1	12	30	76.7	10.0	26.7	73.3
Bryan	64	1	15	82	68.3	3.7	24.4	69.5
Caddo	35	3	28	66	79.7	9.4	19.7	66.7
Canadian	109	4	15	131	86.0	3.6	19.1	78.6
Carter	88	13	14	115	80.0	7.0	22.6	67.0
Cherokee	44	1	56	102	52.5	11.0	22.5	70.6
Choctaw	18	10	7	35	57.1	20.1	31.4	74.3
Cimarron	2			2	**	**	**	**
Cleveland	185	8	17	210	77.0	5.4	19.0	74.8
Coal	8		3	11	**	**	**	**
Comanche	169	74	32	281	79.4	2.9	20.7	70.5
Cotton	10		5	15	**	**	**	**
Craig	22		15	37	52.8	13.9	18.9	56.8
Creek	102	4	17	124	52.3	12.1	18.5	75.8
Custer	35	7	7	49	61.2	8.1	14.3	79.6
Delaware	43		35	78	65.3	8.0	16.9	67.9
Dewey	5			5	**	**	**	**
Ellis	7			7	**	**	**	**
Garfield	103	4	6	123	68.9	8.2	21.1	78.9
Garvin	41	1	8	51	76.5	5.9	17.6	68.6
Grady	75	1	4	80	81.0	6.4	22.5	72.5
Grant	3		1	4	**	**	**	**
Greer	8	1		9	**	**	**	**
Harmon	6	1		7	**	**	**	**
Harper	5			5	**	**	**	**
Haskell	12		4	16	**	**	**	**
Hughes	19		11	30	60.0	13.3	30.0	66.7
Jackson	60	7	2	69	76.8	8.7	18.8	75.4
Jefferson	19		2	21	52.4	4.8	23.8	81
Johnston	23	1	7	31	64.5	6.4	12.9	77.4
Kay	94	1	21	116	55.2	7.8	18.1	77.6
Kingfisher	16		1	17	**	**	**	**
Kiowa	19	2	1	22	72.7	-	9.1	81.8
Latimer	11		7	18	**	**	**	**
Leflore	115	6	28	149	74.1	6.8	17.4	65.8

¹ Beginning prenatal care in 3rd trimester, having less than four visits, or no prenatal care.

- Denotes no events in that category.

** Percent not computed when denominator < 20.

Table 5. Births to women less than 20 years of age by race of mother and percent of teen births by first trimester, prenatal care, previous births, marital status, and total births to teens: Oklahoma and each County, 2003

County	Race of mother			Total < 20 years	% 1st Trimester	% Poor ¹ Care	% Previous Births	% Not Married
	White	Black	American Indian					
State	4,971	937	1,080	7,068	66.1	9.6	20.5	75.5
Lincoln	54	4	2	60	78.6	5.4	10.0	58.3
Logan	38	5		43	69.8	9.3	18.6	65.1
Love	10		1	11	**	**	**	**
McClain	34		4	38	86.5	-	18.4	73.7
McCurtain	49	10	25	84	72.6	3.6	27.4	72.6
McIntosh	25	4	7	36	66.7	2.8	27.8	80.6
Major	7		2	9	**	**	**	**
Marshall	24		5	29	48.3	10.3	20.7	55.2
Mayes	56		37	93	67.0	11.3	12.9	61.3
Murray	21		9	30	73.3	10.0	23.3	66.7
Muskogee	94	34	36	164	61.0	11.9	18.3	76.8
Noble	17	1	5	23	52.2	8.6	13	87
Nowata	11	1	6	18	**	**	**	**
Okfuskee	12	1	7	20	75.0	-	5.0	65.0
Oklahoma	1,043	404	85	1,566	65.5	9.9	22.4	82.6
Okmulgee	54	13	25	92	68.5	6.7	19.6	76.1
Osage	46	2	21	71	68.8	7.8	16.9	73.2
Ottawa	58	1	21	82	67.5	15.6	19.5	76.8
Pawnee	26	2	8	36	82.4	2.9	16.7	63.9
Payne	83	4	11	100	59.2	11.1	14.0	70.0
Pittsburg	63	4	17	85	65.5	6.0	16.5	76.5
Pontotoc	44		29	74	72.2	9.7	28.4	68.9
Pottawatomie	101	7	32	140	76.3	8.1	21.4	76.4
Pushmataha	19		6	25	64.0	-	20.0	40.0
Roger Mills	2		1	3	**	**	**	**
Rogers	84		26	110	70.4	6.5	13.6	69.1
Seminole	42	2	33	77	74.7	9.3	23.4	83.1
Sequoyah	70	6	28	104	62.1	6.8	13.5	69.2
Stephens	70	2	4	76	65.3	13.4	26.3	59.2
Texas	61			62	47.5	14.8	17.7	66.1
Tillman	20	4		24	66.7	12.5	25.0	95.8
Tulsa	758	261	100	1,130	54.5	15.4	20.3	80.0
Wagoner	60	4	23	87	65.4	12.8	26.4	67.8
Washington	55	6	12	73	67.1	1.4	19.2	79.5
Washita	22		1	23	65.2	8.6	21.7	91.3
Woods	4		1	5	**	**	**	**
Woodward	41		2	44	56.8	15.9	25.0	65.9

¹ Beginning prenatal care in 3rd trimester, having less than four visits, or no prenatal care.

- Denotes no events in that category.

** Percent not computed when denominator < 20.

Table 6. Number and percent of births by low birthweight, marital status, and low educational attainment of mother: Oklahoma and each County, 2003

County	Low Birthweight				Not Married		Education < 12 grades		Total Births
	< 1500 grams		< 2500 grams		Number	%	Number	%	
State	603	1.2	3,915	7.8	18,869	37.1	11,743	23.2	50,874
Adair	5	1.4	36	9.9	167	44.8	132	35.4	373
Alfalfa	-	0.0	3	6.3	16	33.3	6	12.5	48
Atoka	1	0.6	13	8.1	54	31.8	29	17.1	170
Beaver	1.0	1.4	3	4.3	24	32.9	20	27.3	73
Beckham	3	1.0	25	8.5	116	39.2	53	17.9	296
Blaine	2	1.4	13	9.3	69	49.3	36	25.9	140
Bryan	4	0.9	22	5.1	188	38.1	118	23.9	493
Caddo	8	1.8	30	6.9	175	40.1	92	21.1	436
Canadian	8	0.7	75	6.2	330	27.1	172	14.2	1,216
Carter	8	1.2	49	7.3	266	39.5	187	27.8	674
Cherokee	6	1.0	41	6.8	264	43.6	176	29.1	606
Choctaw	2	1.1	10	5.5	89	44.5	47	23.5	200
Cimarron	-	0.0	1	3.8	11	34.4	9	28.1	32
Cleveland	32	1.2	175	6.7	633	24.3	290	11.1	2,607
Coal	-	0.0	3	4.3	25	35.7	14	20.0	70
Comanche	12	0.6	184	9.8	655	34.7	274	14.5	1,886
Cotton	1	1.4	5	6.8	32	41.6	12	15.6	77
Craig	2	1.0	19	9.2	79	37.8	54	26.0	209
Creek	11	1.2	77	8.5	317	35.2	198	22.0	900
Custer	3	0.8	25	6.7	148	39.8	81	21.8	372
Delaware	6	1.4	33	7.8	164	37.6	110	25.6	436
Dewey	-	0.0	2	4.3	15	31.9	4	8.5	47
Ellis	-	0.0	4	7.1	13	22.8	13	22.9	57
Garfield	10	1.1	78	8.6	362	40.2	187	20.7	901
Garvin	2	0.6	13	4.1	110	34.5	72	22.5	319
Grady	7	1.1	51	8.2	190	30.5	119	19.2	622
Grant	-	0.0	0.0	0.0	7	22.6	1	3.2	31
Greer	-	0.0	10	17.9	24	42.1	16	28.1	57
Harmon	2	6.7	4	13.4	13	41.9	8	25.8	31
Harper	1	3.8	2	7.6	11	40.7	5	18.5	27
Haskell	1	0.7	11	7.2	48	31.0	32	20.6	155
Hughes	-	0.0	8	4.8	62	37.3	46	27.9	166
Jackson	7	1.5	45	9.7	158	34.2	97	21.0	462
Jefferson	-	0.0	8	10.7	34	42.0	22	27.1	81
Johnston	1	0.8	9	7.1	54	42.2	39	30.4	128
Kay	13	1.8	55	7.7	320	45.0	207	29.2	711
Kingfisher	3	1.6	16	8.5	60	31.7	49	25.9	189
Kiowa	3	2.9	12	11.6	50	47.6	22	21.0	105
Latimer	1.0	0.9	7	6.4	45	41.3	35	32.2	109
Leflore	5	0.7	36	5.1	260	35.0	224	30.5	742

- Denotes no events in that category.

Table 6. Number and percent of births by low birthweight, marital status, and low educational attainment of mother: Oklahoma and each County, 2003

County	Low Birthweight				Not Married		Education < 12 grades		Total Births
	< 1500 grams		< 2500 grams		Number	%	Number	%	
State	603	1.2	3,915	7.8	18,869	37.1	11,743	23.2	50,874
Lincoln	6	1.5	30	7.6	126	32.1	79	20.2	392
Logan	4	0.9	29	6.6	144	32.9	56	12.8	438
Love	-	0.0	6	6.1	37	35.2	37	35.3	105
McClain	8	2.1	35	9.1	101	26.1	73	18.9	387
McCurtain	4.0	0.9	35	7.8	205	42.3	138	28.5	485
McIntosh	7	2.9	22	9.0	102	41.8	52	21.3	244
Major	-	0.0	10	14.1	16	22.5	13	18.4	71
Marshall	2	1.1	16	9.0	77	41.8	59	32.1	185
Mayes	6	1.2	34	6.8	166	33.2	113	22.7	500
Murray	4	2.5	20	12.6	56	35.2	35	22.0	159
Muskogee	10	1.0	81	8.4	414	42.9	274	28.4	965
Noble	1	0.6	11	6.4	60	35.1	32	18.7	171
Nowata	-	0.0	8	6.5	48	38.4	23	18.4	125
Okfuskee	2	1.5	5	3.7	50	35.7	39	28.1	140
Oklahoma	157	1.4	958	8.3	4937	42.5	3236	28.1	11,603
Okmulgee	9	1.7	39	7.5	215	41.0	122	23.4	525
Osage	4	0.9	35	8.2	150	35.5	75	17.8	423
Ottawa	5	1.3	34	8.8	172	43.3	98	25.4	397
Pawnee	1	0.5	12	5.7	59	28.0	56	26.5	211
Payne	7	0.8	53	6.2	217	25.3	124	14.5	857
Pittsburg	9	1.7	31	5.8	211	38.9	120	22.2	543
Pontotoc	5	1.0	51	10.0	192	37.6	108	21.2	511
Pottawatomie	8	0.9	59	6.8	357	41.0	199	22.9	870
Pushmataha	-	0.0	9	6.8	49	34.0	46	32.0	144
Roger Mills	-	0.0	6	13.6	19	43.2	2	4.5	44
Rogers	7	0.7	56	5.7	265	27.1	153	15.7	978
Seminole	10	2.4	36	8.5	206	48.6	104	24.5	424
Sequoyah	11	2.2	43	8.7	188	36.2	155	30.0	519
Stephens	12	2.3	51	9.8	167	31.7	92	17.5	526
Texas	-	0.0	20	5.6	137	36.4	175	46.5	376
Tillman	-	0.0	5	5.6	46	48.4	25	26.3	95
Tulsa	116	1.2	739	7.9	3,432	36.7	2,184	23.5	9,357
Wagoner	8	1.1	54	7.3	204	27.5	117	15.7	742
Washington	4	0.6	38	6.1	213	34.2	121	19.4	623
Washita	2	1.4	7	5.0	45	32.6	27	19.6	138
Woods	-	0.0	1	1.3	22	28.6	5	6.5	77
Woodward	3	1.1	23	8.5	106	39.3	68	25.2	270

- Denotes no events in that category.

Table 7. Risk factors for Infants: Birth Interval and Parity Oklahoma and each County, 2003

Note: Among women with at least one previous birth

County	Live-birth Order				Percent Repeat Births	< 20 years of age: 2 or more previous births		20 years or older: 4 or more previous births		Total Births
	First	Second	Third or Higher	Unknown		Number	%	Number	%	
State	19,843	16,100	14,874	57	61.0	242	16.7	2,082	7.1	50,874
Adair	132	109	131	1	64.5	6	22.2	21	9.9	373
Alfalfa	21	15	12	-	56.3	-	**	2	7.4	48
Atoka	62	66	42	-	63.5	-	**	2	1.9	170
Beaver	18	30	25	-	75.3	-	**	3	5.8	73
Beckham	112	95	89	-	62.2	2	**	11	6.3	296
Blaine	47	47	46	-	66.4	2	**	5	5.9	140
Bryan	201	160	131	1	59.1	2	10.0	13	4.8	493
Caddo	166	110	160	-	61.9	2	**	35	13.7	436
Canadian	476	398	342	-	60.9	3	12.0	43	6.0	1,216
Carter	251	208	215	-	62.8	4	15.4	28	7.1	674
Cherokee	244	190	172	-	59.7	6	26.1	26	7.7	606
Choctaw	76	64	60	-	62.0	5	**	10	8.8	200
Cimarron	8	10	14	-	75.0	-	**	2	8.7	32
Cleveland	1,108	859	638	2	57.5	5	12.5	63	4.3	2,607
Coal	24	21	25	-	65.7	1	**	4	9.1	70
Comanche	735	586	562	3	61.0	11	19.0	78	7.2	1,886
Cotton	28	26	23	-	63.6	-	**	2	4.2	77
Craig	86	53	68	2	58.5	2	**	8	7.0	209
Creek	324	295	279	2	63.9	7	30.4	42	7.6	900
Custer	143	122	107	-	61.6	1	**	11	5.0	372
Delaware	163	108	159	6	62.1	6	**	17	6.7	436
Dewey	18	14	14	1	60.9	-	**	5	18.5	47
Ellis	18	19	20	-	68.4	-	**	1	2.6	57
Garfield	364	273	264	-	59.6	3	11.5	45	8.8	901
Garvin	119	109	91	-	62.7	2	**	8	4.2	319
Grady	235	182	204	1	62.2	7	**	33	9.0	622
Grant	12	10	9	-	61.3	-	**	1	**	31
Greer	19	20	18	-	66.7	1	**	4	10.8	57
Harmon	12	11	8	-	61.3	2	**	-	**	31
Harper	12	7	8	-	55.6	-	**	1	**	27
Haskell	60	54	41	-	61.3	-	**	4	4.4	155
Hughes	63	60	43	-	62.0	-	**	7	7.4	166
Jackson	184	138	140	-	60.2	2	**	15	5.7	462
Jefferson	32	25	24	-	60.5	1	**	2	4.5	81
Johnston	57	39	32	-	55.5	-	**	-	0.0	128
Kay	247	225	239	-	65.3	3	14.3	40	9.0	711
Kingfisher	69	64	56	-	63.5	1	**	6	5.2	189
Kiowa	45	26	34	-	57.1	1	**	1	1.7	105
Latimer	37	41	31	-	66.1	1	**	4	6.0	109
Leflore	283	248	211	-	61.9	3	11.5	17	3.9	742

- Denotes no events in that category.

**Percent not computed when denominator < 20.

Table 7. Risk factors for Infants: Birth Interval and Parity Oklahoma and each County, 2003

Note: Among women with at least one previous birth

County	Live-birth Order				Percent Repeat Births	< 20 years of age: 2 or more previous births		20 years or older: 4 or more previous births		Total Births
	First	Second	Third or Higher	Unknown		Number	%	Number	%	
State	19,843	16,100	14,874	57	61.0	242	16.7	2,082	7.1	50,874
Lincoln	136	131	125	-	65.3	3	**	19	7.6	392
Logan	184	130	124	-	58.0	-	**	20	8.1	438
Love	37	33	35	-	64.8	-	**	4	6.0	105
McClain	127	168	92	-	67.2	-	**	8	3.2	387
McCurtain	171	169	144	1	64.7	1	4.3	18	6.2	485
McIntosh	80	95	69	-	67.2	-	**	6	3.9	244
Major	25	23	23	-	64.8	1	**	1	2.2	71
Marshall	69	65	51	-	62.7	2	**	9	8.2	185
Mayes	205	164	129	2	58.8	2	**	12	4.3	500
Murray	68	58	33	-	57.2	-	**	2	2.4	159
Muskogee	409	271	285	-	57.6	3	10.0	38	7.2	965
Noble	64	54	53	-	62.6	-	**	6	5.8	171
Nowata	49	43	33	-	60.8	-	**	4	5.4	125
Okfuskee	42	55	43	-	70.0	-	**	8	8.2	140
Oklahoma	4,630	3,571	3,400	2	60.1	59	16.8	516	7.8	11,603
Okmulgee	192	165	168	-	63.4	2	**	22	7.0	525
Osage	170	137	116	-	59.8	3	**	15	6.3	423
Ottawa	154	105	134	4	60.8	3	**	21	9.5	397
Pawnee	89	66	56	-	57.8	2	**	12	10.3	211
Payne	395	240	222	-	53.9	1	**	30	6.7	857
Pittsburg	211	187	145	-	61.1	1	**	15	4.7	543
Pontotoc	182	191	138	-	64.4	-	**	19	6.2	511
Pottawatomie	349	273	248	-	59.9	3	10.0	29	5.9	870
Pushmataha	44	51	49	-	69.4	-	**	13	13.7	144
Roger Mills	15	16	13	-	65.9	-	**	1	3.4	44
Rogers	365	329	283	1	62.6	1	**	36	6.0	978
Seminole	139	147	138	-	67.2	2	**	30	11.3	424
Sequoyah	180	174	164	1	65.3	1	**	27	8.3	519
Stephens	204	159	163	-	61.2	5	25.0	12	4.0	526
Texas	147	102	127	-	60.9	2	**	10	4.6	376
Tillman	45	24	26	-	52.6	-	**	3	6.8	95
Tulsa	3,657	2,935	2,742	23	60.8	43	18.9	425	7.8	9,357
Wagoner	277	259	203	3	62.5	4	17.4	36	8.2	742
Washington	225	224	174	-	63.9	4	**	18	4.7	623
Washita	49	50	39	-	64.5	1	**	7	8.3	138
Woods	34	21	22	-	55.8	-	**	3	7.1	77
Woodward	113	78	78	1	58.0	1	**	7	4.8	270

- Denotes no events in that category.

**Percent not computed when denominator < 20.

Table 8. Number and percent of births by first trimester and adequacy of prenatal care: Oklahoma and each County, 2003

County	1st trimester		1st trimester and > 9 visits		Little care ¹	Late care ²	No care ³	Poor Care ⁴	Total Reporting Care
	Number	%	Number	%	Number	Number	Number	%	
					Number	Number	Number	%	
State	38,205	77.8	30,482	62.1	782	1,752	549	6.3	49,084
Adair	264	71.7	191	51.9	8	17	7	8.7	368
Alfalfa	34	70.8	32	66.7	-	2	-	4.2	48
Atoka	128	76.2	77	45.8	3	9	1	7.8	168
Beaver	57	78.1	35	47.9	1	5	1	9.6	73
Beckham	203	69.0	134	45.6	11	14	-	8.5	294
Blaine	107	77.5	93	67.4	-	5	6	7.9	138
Bryan	384	78.0	246	50.0	2	17	3	4.5	492
Caddo	331	78.3	256	60.5	14	17	4	8.2	423
Canadian	1,023	89.2	909	79.3	7	21	6	2.9	1,147
Carter	581	86.5	515	76.6	3	21	2	3.8	672
Cherokee	395	66.2	273	45.7	26	28	13	11.3	597
Choctaw	146	73.0	83	41.5	7	7	1	7.5	200
Cimarron	20	64.5	10	32.3	-	1	-	3.2	31
Cleveland	2,256	88.0	1,962	76.5	17	33	19	2.7	2,565
Coal	50	74.6	46	68.7	-	3	-	4.5	67
Comanche	1,595	85.7	1,229	66.0	27	29	12	3.7	1,862
Cotton	71	92.2	60	77.9	-	1	-	1.3	77
Craig	128	63.4	89	44.1	5	21	1	13.4	202
Creek	558	69.5	424	52.8	18	39	15	9.0	803
Custer	293	79.0	235	63.3	4	12	5	5.6	371
Delaware	303	71.8	220	52.1	9	25	2	8.5	422
Dewey	28	68.3	22	53.7	1	1	5	17.0	41
Ellis	48	84.2	44	77.2	-	1	1	3.6	57
Garfield	702	78.1	600	66.7	9	39	1	5.4	899
Garvin	247	79.9	208	67.3	1	10	7	5.8	309
Grady	507	82.6	402	65.5	11	11	6	4.6	614
Grant	29	93.5	24	77.4	-	1	-	3.2	31
Greer	50	90.9	44	80.0	-	-	-	0.0	55
Harmon	24	77.4	22	71.0	1	-	-	3.2	31
Harper	18	66.7	14	51.9	1	1	-	7.4	27
Haskell	121	78.1	90	58.1	3	5	1	5.7	155
Hughes	116	72.0	99	61.5	6	9	3	11.2	161
Jackson	411	89.2	363	78.7	6	10	1	3.7	461
Jefferson	55	68.8	44	55.0	-	4	1	6.3	80
Johnston	94	73.4	69	53.9	1	6	-	5.5	128
Kay	476	67.0	391	55.1	3	48	8	8.3	710
Kingfisher	166	88.8	158	84.5	-	3	2	2.7	187
Kiowa	85	81.0	76	72.4	1	-	-	1.0	105
Latimer	75	68.8	57	52.3	1	6	5	11.0	109
Leflore	569	78.3	415	57.1	16	21	8	6.2	727

¹ 1-3 pnc visits beginning in the 1st or 2nd trimester

² Any number of visits beginning in the 3rd trimester

³ 0 pnc visits

⁴ Late, Little or No care

- Denotes no events in that category.

Table 8. Number and percent of births by first trimester and adequacy of prenatal care: Oklahoma and each County, 2003

County	1st trimester		1st trimester and > 9 visits		Little care ¹	Late care ²	No care ³	Poor Care ⁴	Total Reporting Care
	Number	%	Number	%	Number	Number	Number	%	
State	38,205	77.8	30,482	62.1	782	1,752	549	6.3	49,084
Lincoln	310	82.9	224	59.9	6	8	5	5.0	374
Logan	380	87.4	307	70.6	5	10	1	3.6	435
Love	85	81.0	76	72.4	1	4	-	4.8	105
McClain	333	88.6	274	72.9	4	5	5	3.7	376
McCurtain	414	85.9	371	77.0	3	7	1	2.3	482
McIntosh	177	73.8	129	53.8	2	12	5	7.9	240
Major	58	89.2	55	84.6	1	-	-	1.5	65
Marshall	138	75.4	95	51.9	2	11	1	7.6	183
Mayer	376	77.2	298	61.2	8	16	3	5.5	487
Murray	137	86.7	122	77.2	1	3	2	3.8	158
Muskogee	675	71.6	555	58.9	10	41	22	7.7	943
Noble	132	77.2	112	65.5	-	8	1	5.3	171
Nowata	103	83.7	81	65.9	1	3	1	4.0	123
Okfuskee	96	72.7	71	53.8	3	7	-	7.6	132
Oklahoma	8,923	78.7	7,458	65.7	183	377	106	5.8	11,343
Okmulgee	383	76.4	280	55.9	2	21	8	6.2	501
Osage	304	76.2	236	59.1	3	19	3	6.4	399
Ottawa	272	72.5	179	47.7	12	19	3	9.1	375
Pawnee	157	77.7	117	57.9	3	4	4	5.5	202
Payne	632	75.5	517	61.8	5	49	5	7.1	837
Pittsburg	396	73.6	346	64.3	3	19	2	4.5	538
Pontotoc	409	80.7	377	74.4	3	20	5	5.5	507
Pottawatomie	708	85.2	528	63.5	32	9	5	5.6	831
Pushmataha	119	82.6	77	53.5	3	3	1	4.9	144
Roger Mills	27	61.4	18	40.9	-	2	-	4.5	44
Rogers	775	81.2	652	68.3	4	26	7	3.8	954
Seminole	324	77.3	268	64.0	6	21	3	7.1	419
Sequoyah	385	75.3	331	64.8	12	16	12	7.7	511
Stephens	411	78.7	261	50.0	8	17	6	5.9	522
Texas	246	66.5	165	44.6	4	17	14	9.5	370
Tillman	83	88.3	78	83.0	1	2	-	3.2	94
Tulsa	6,058	71.1	4,413	51.8	206	424	155	9.2	8,522
Wagoner	531	77.1	400	58.1	11	30	11	7.6	689
Washington	542	87.6	450	72.7	3	3	-	1.0	619
Washita	98	71.5	76	55.5	3	4	2	6.6	137
Woods	67	88.2	60	78.9	1	2	-	3.9	76
Woodward	193	71.7	164	61.0	4	10	3	6.3	269

¹ 1-3 pnc visits beginning in the 1st or 2nd trimester

² Any number of visits beginning in the 3rd trimester

³ 0 pnc visits

⁴ Late, Little or No care

- Denotes no events in that category.

Table 9. Number of births by selected health indicators: Oklahoma and each County, 1999-2003

County	Low	Teen Births < 20 years	Beginning	Unmarried	Education	Previous births		Infant deaths
	Birthweight < 2500 gms		Prenatal Care 1st Trimester		< 12 grades	Age < 20 2+ births	Age > 19 4+ births	
State	19,103	37,700	179,711	87,946	57,772	1,074	8,244	1,994
Adair	154	418	1,226	773	653	11	62	18
Alfalfa	11	30	164	56	26	1	9	-
Atoka	60	142	627	264	167	2	19	9
Beaver	18	41	235	85	74	2	9	-
Beckham	110	252	767	518	267	6	34	8
Blaine	48	151	518	299	196	6	27	6
Bryan	161	444	1,950	911	622	20	61	12
Caddo	134	438	1,431	947	506	17	136	23
Canadian	385	616	4,342	1,436	785	27	172	43
Carter	250	556	2,767	1,238	914	23	143	15
Cherokee	205	532	1,986	1,212	853	9	108	18
Choctaw	80	242	787	477	255	8	37	11
Cimarron	9	25	109	45	56	3	16	1
Cleveland	829	1,205	9,633	3,038	1,483	20	260	80
Coal	24	78	267	125	110	3	18	6
Comanche	794	1,543	7,010	3,209	1,501	53	348	70
Cotton	27	52	306	112	64	0	10	2
Craig	80	174	703	342	229	7	26	8
Creek	370	746	2,975	1,448	1,059	23	158	34
Custer	133	291	1,336	637	398	6	61	9
Delaware	177	416	1,483	814	593	12	76	12
Dewey	15	36	180	76	43	0	18	3
Ellis	10	25	168	54	35	0	3	1
Garfield	321	635	3,269	1,529	862	18	167	43
Garvin	128	298	1,328	585	404	6	51	12
Grady	199	440	2,176	904	641	30	116	19
Grant	13	33	189	61	32	0	10	2
Greer	39	75	242	127	85	5	13	1
Harmon	13	45	138	85	66	4	7	3
Harper	12	20	128	51	29	0	6	2
Haskell	70	193	634	259	210	5	26	8
Hughes	52	157	582	345	212	1	28	11
Jackson	196	352	1,909	732	491	12	65	14
Jefferson	33	65	294	122	108	4	13	2
Johnston	48	137	471	232	157	3	10	2
Kay	248	609	2,475	1,392	965	8	123	23
Kingfisher	67	120	793	255	243	1	23	5
Kiowa	67	128	453	287	149	4	14	13
Latimer	54	134	431	241	183	3	19	6
Leflore	214	676	2,669	1,185	1,010	15	138	28

Table 9. Number of births by selected health indicators: Oklahoma and each County, 1999-2003

County	<i>Low</i>	<i>Teen Births</i> < 20 years	<i>Beginning</i>	<i>Unmarried</i> Births	<i>Education</i>	<i>Previous births</i>		<i>Infant</i> <i>deaths</i>
	<i>Birthweight</i> < 2500 gms		<i>Prenatal Care</i> <i>1st Trimester</i>		< 12 grades	<i>Age < 20</i> <i>2+ births</i>	<i>Age > 19</i> <i>4+ births</i>	
State	19,103	37,700	179,711	87,946	57,772	1,074	8,244	1,994
Lincoln	129	340	1,342	615	408	8	54	17
Logan	156	238	1,406	592	311	6	61	14
Love	33	86	429	166	162	4	19	4
McClain	142	236	1,443	465	335	5	48	21
McCurtain	191	507	2,026	1,079	737	13	84	16
McIntosh	86	185	786	432	245	0	29	12
Major	32	36	308	76	65	1	12	6
Marshall	61	131	649	301	285	5	31	5
Mayes	218	479	2,029	844	673	14	78	19
Murray	75	160	621	255	202	5	19	6
Muskogee	362	884	3,523	1,989	1,403	20	172	31
Noble	46	93	549	207	137	1	17	2
Nowata	38	110	522	226	136	0	23	3
Okfuskee	39	153	490	313	211	3	35	5
Oklahoma	4,687	8,088	37,873	22,749	14,976	245	1,843	520
Okmulgee	199	494	1,967	1,084	647	19	101	27
Osage	181	386	1,748	790	456	10	73	15
Ottawa	151	396	1,425	849	505	22	92	16
Pawnee	70	161	736	294	240	5	40	4
Payne	248	489	2,902	1,098	568	5	101	25
Pittsburg	184	483	1,805	903	615	11	74	26
Pontotoc	204	413	1,887	853	529	11	55	23
Pottawatomie	341	786	3,470	1,762	1,054	25	144	42
Pushmataha	43	138	519	245	224	2	32	9
Roger Mills	23	32	116	75	30	0	3	1
Rogers	278	578	3,718	1,126	769	11	135	23
Seminole	151	415	1,322	940	539	15	108	23
Sequoyah	192	456	1,819	831	711	14	107	22
Stephens	185	413	1,983	772	570	17	67	17
Texas	139	326	1,150	640	801	11	79	12
Tillman	33	130	456	229	170	1	24	7
Tulsa	3,674	6,020	32,709	15,962	10,616	161	1,571	366
Wagoner	296	489	2,700	974	652	11	121	30
Washington	177	423	2,455	928	568	10	92	19
Washita	40	112	429	194	136	1	22	5
Woods	35	43	343	119	45	1	17	3
Woodward	106	221	905	461	305	3	21	8
Unknown	-	-	-	-	-	-	-	7

Table 10. Percent of births by selected health indicators: Oklahoma and each County, 1999-2003

(Infant mortality rates are infant deaths per 1,000 live births.)

County	Low	Teen Births < 20 years	Beginning	Unmarried Births	Education	Previous births		Infant Mortality Rate
	Birthweight < 2500 gms		Prenatal Care 1st Trimester		< 12 grades	Age < 20 2+ births	Age > 19 4+ births	
State	7.7	15.1	78.1	35.3	23.3	16.7	6.9	8.0
Adair	8.7	23.4	70.9	43.4	37.0	14.7	7.8	10.1
Alfalfa	5.4	14.6	83.7	27.3	12.8	**	7.1	-
Atoka	7.5	17.4	78.2	32.3	20.5	7.7	4.4	11.0
Beaver	5.8	13.1	78.6	27.2	23.8	**	5.0	-
Beckham	8.0	18.5	70.1	38.0	19.8	14.6	4.7	5.8
Blaine	7.0	21.9	80.6	43.3	28.8	17.6	7.7	8.7
Bryan	6.6	17.9	80.7	36.7	25.1	19.6	4.7	4.8
Caddo	6.4	20.7	72.9	44.6	23.9	16.9	12.0	10.8
Canadian	6.9	10.9	88.8	25.5	14.0	26.4	6.0	7.6
Carter	7.6	16.9	85.5	37.7	28.0	17.8	7.6	4.6
Cherokee	6.8	17.6	68.6	40.1	28.4	10.5	8.2	5.9
Choctaw	7.5	22.5	74.9	44.2	23.6	15.1	6.5	10.2
Cimarron	5.7	15.1	68.6	27.3	34.3	**	15.2	++
Cleveland	6.7	9.7	87.1	24.3	12.1	13.1	4.9	6.4
Coal	6.4	20.6	73.2	33.0	29.1	**	10.2	15.8
Comanche	8.3	16.3	85.4	33.7	15.9	17.3	6.9	7.3
Cotton	7.5	14.4	90.0	30.9	17.6	**	4.7	++
Craig	8.1	17.7	74.0	34.7	23.4	23.3	5.1	8.1
Creek	8.3	16.9	71.4	32.6	23.9	18.5	7.0	7.7
Custer	7.5	16.4	79.5	35.9	22.6	10.2	6.6	5.1
Delaware	8.3	19.3	71.7	37.7	27.8	19.3	6.6	5.6
Dewey	5.9	14.1	76.6	29.8	17.0	**	13.4	++
Ellis	4.6	11.6	78.1	24.8	16.1	**	2.3	++
Garfield	7.7	15.0	81.1	36.2	20.7	12.9	7.1	10.2
Garvin	7.1	16.5	80.8	32.4	22.5	13.1	5.9	6.6
Grady	6.8	14.9	79.2	30.6	21.8	34.5	7.8	6.4
Grant	5.4	13.9	81.8	25.7	13.5	**	7.5	++
Greer	12.5	23.8	81.8	40.4	27.1	**	7.7	++
Harmon	7.1	24.6	80.2	46.4	36.2	**	7.4	++
Harper	6.7	10.9	71.9	28.0	16.1	**	6.7	++
Haskell	8.6	23.5	78.1	31.5	25.7	11.9	6.2	9.7
Hughes	6.3	18.8	73.9	41.5	25.5	3.1	6.8	13.2
Jackson	8.4	15.1	88.7	31.6	21.2	16.2	5.2	6.0
Jefferson	8.7	16.9	78.2	31.6	28.0	**	5.9	++
Johnston	8.0	22.7	80.1	38.3	26.1	12.0	3.3	++
Kay	7.1	17.4	72.0	39.8	27.7	12.9	9.9	6.6
Kingfisher	7.1	12.8	91.3	27.0	25.9	**	4.9	5.3
Kiowa	10.6	20.2	75.6	45.3	23.6	16.0	4.3	20.5
Latimer	8.9	21.9	73.4	39.4	30.2	9.7	5.7	9.8
Leflore	6.2	19.3	78.8	33.9	29.0	11.8	7.0	8.0

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

**Percent not computed when based on a denominator < 20.

Table 10. Percent of births by selected health indicators: Oklahoma and each County, 1999-2003

(Infant mortality rates are infant deaths per 1,000 live births.)

County	Low	Teen Births < 20 years	Beginning	Unmarried Births	Education	Previous births		Infant Mortality Rate
	Birthweight < 2500 gms		Prenatal Care 1st Trimester		< 12 grades	Age < 20 2+ births	Age > 19 4+ births	
State	7.7	15.1	78.1	35.3	23.3	16.7	6.9	8.0
Lincoln	6.7	17.7	81.8	32.0	21.3	20.5	6.2	8.8
Logan	8.0	12.3	85.7	30.4	16.1	20.7	7.0	7.2
Love	6.3	16.3	82.0	31.5	30.9	19.0	5.9	++
McClain	7.5	12.5	86.4	24.6	18.0	15.7	5.4	11.1
McCurtain	7.8	20.1	83.4	42.9	29.4	11.9	5.9	6.4
McIntosh	7.9	16.9	73.0	39.4	22.4	0.0	4.8	10.9
Major	8.7	9.7	89.0	20.4	17.7	**	5.5	16.1
Marshall	7.3	15.3	78.1	35.5	33.8	22.7	6.5	5.9
Mayes	8.3	18.3	78.9	32.3	25.8	19.0	6.1	7.3
Murray	9.4	20.1	81.4	32.1	25.7	14.3	5.2	7.5
Muskogee	7.3	17.8	71.9	40.1	28.3	12.3	6.5	6.2
Noble	6.3	12.9	77.5	28.5	19.0	**	5.4	++
Nowata	6.0	17.2	84.1	35.1	21.2	**	6.4	++
Okfuskee	5.4	20.9	70.0	42.9	29.0	10.0	8.2	6.9
Oklahoma	8.4	14.5	79.3	40.8	27.1	19.9	7.9	9.3
Okmulgee	7.5	18.6	75.7	41.0	24.6	18.1	6.8	10.2
Osage	7.9	16.7	78.7	34.1	19.7	17.6	6.2	6.5
Ottawa	7.0	18.4	72.0	39.4	24.1	25.0	7.3	7.4
Pawnee	6.9	15.8	78.0	28.8	23.5	25.0	8.8	++
Payne	6.0	11.9	75.6	26.5	13.8	10.0	6.9	6.0
Pittsburg	7.4	19.2	73.2	35.9	24.5	11.7	5.4	10.3
Pontotoc	8.3	16.8	79.7	34.8	21.7	14.9	5.8	9.4
Pottawatomie	7.5	17.3	83.0	39.0	23.4	17.2	6.4	9.3
Pushmataha	6.4	20.3	78.4	36.2	33.0	6.9	8.4	13.2
Roger Mills	10.9	15.2	64.4	35.5	14.4	**	2.5	++
Rogers	6.0	12.5	82.0	24.4	16.8	16.9	6.0	5.0
Seminole	8.1	22.1	76.2	49.9	28.9	16.6	11.3	12.2
Sequoyah	7.7	18.0	73.9	32.9	28.3	18.4	7.7	8.7
Stephens	7.1	15.9	79.4	29.8	22.1	19.1	4.7	6.6
Texas	7.3	17.1	65.0	33.4	42.2	16.2	7.0	6.3
Tillman	5.9	23.0	85.6	40.7	30.5	3.8	7.9	12.4
Tulsa	7.9	12.9	72.8	34.4	22.9	16.2	6.9	7.9
Wagoner	8.1	13.4	75.9	26.6	17.8	12.1	5.9	8.2
Washington	6.0	14.4	87.1	31.6	19.4	14.3	5.4	6.5
Washita	6.1	17.1	74.4	29.6	20.7	**	5.9	7.6
Woods	8.1	10.0	82.7	27.6	10.6	**	7.7	++
Woodward	8.2	17.0	71.2	35.4	23.4	7.0	3.9	6.1

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

**Percent not computed when based on a denominator < 20.

Table 11. County rankings for selected health indicators: Oklahoma, 1999-2003

(Lowest rank indicates best value.)

County	Low	Teen Births < 20 years	Beginning	Unmarried Births	Education	Previous births		Infant Mortality Rate
	Birthweight < 2500 gms		Prenatal Care 1st Trimester		< 12 grades	Age < 20 2+ births	Age > 19 4+ births	
Adair	70	74	71	72	76	26	64	44
Alfalfa	2	21	14	12	3	**	54	++
Atoka	40	45	40	31	22	6	6	51
Beaver	6	14	38	11	41	**	14	++
Beckham	54	55	72	55	21	25	7	7
Blaine	29	67	27	71	63	39	60	36
Bryan	21	51	26	52	47	49	7	2
Caddo	18	66	62	74	42	35	75	49
Canadian	27	4	4	6	6	57	31	29
Carter	47	36	11	52	58	41	59	1
Cherokee	25	47	74	62	62	11	68	8
Choctaw	40	71	53	73	39	28	39	45
Cimarron	5	24	74	12	74	**	77	++
Cleveland	22	1	6	2	2	21	12	15
Coal	18	65	59	36	67	**	73	57
Comanche	62	30	12	38	8	38	47	25
Cotton	40	18	2	23	14	**	7	++
Craig	57	48	55	42	35	54	15	34
Creek	62	36	69	34	42	44	50	31
Custer	40	32	31	48	33	10	42	4
Delaware	62	59	68	52	57	48	42	6
Dewey	7	17	47	19	13	**	76	++
Ellis	1	6	42	5	9	**	1	++
Garfield	48	23	24	50	23	19	54	45
Garvin	31	33	25	33	32	21	25	20
Grady	25	22	34	22	29	58	64	15
Grant	2	16	20	7	4	**	58	++
Greer	77	76	20	64	54	**	60	++
Harmon	31	77	28	76	75	**	57	++
Harper	22	4	66	15	9	**	44	++
Haskell	69	75	42	24	49	14	34	42
Hughes	15	57	56	68	48	2	45	55
Jackson	67	24	5	26	25	31	16	10
Jefferson	70	36	40	26	58	**	25	++
Johnston	54	72	29	56	53	16	3	++
Kay	31	45	64	61	56	19	72	20
Kingfisher	31	11	1	10	52	**	12	5
Kiowa	75	63	51	75	39	30	5	59
Latimer	73	67	58	58	69	7	23	43
Leflore	14	59	36	39	65	13	50	33

++ Rank not computed when associated rate is based on fewer than 5 events.

**Rank not computed when associated percent is based on a denominator < 20.

Table 11. County rankings for selected health indicators: Oklahoma, 1999-2003

(Lowest rank indicates best value.)

County	<i>Low</i>	<i>Teen Births</i> < 20 years	<i>Beginning</i>	<i>Unmarried</i> Births	<i>Education</i>	<i>Previous births</i>		<i>Infant</i> Mortality Rate
	<i>Birthweight</i> < 2500 gms		<i>Prenatal Care</i> 1st Trimester		< 12 grades	<i>Age < 20</i> 2+ births	<i>Age > 19</i> 4+ births	
Lincoln	22	48	20	29	27	51	34	38
Logan	54	8	9	21	9	52	50	24
Love	15	30	18	24	71	45	25	++
McClain	40	9	8	4	17	29	18	52
McCurtain	50	61	15	69	68	14	25	15
McIntosh	51	36	61	58	31	1	11	50
Major	70	1	3	1	15	**	22	58
Marshall	36	27	42	46	73	53	39	8
Mayes	62	53	35	31	51	45	33	25
Murray	74	61	23	30	49	23	16	28
Muskogee	36	50	66	62	60	18	39	13
Noble	15	12	46	16	18	**	18	++
Nowata	9	43	13	44	25	**	37	++
Okfuskee	2	67	73	69	65	8	68	23
Oklahoma	67	20	33	66	54	50	66	39
Okmulgee	40	56	50	67	46	42	45	45
Osage	51	34	37	40	20	39	34	18
Ottawa	29	54	64	58	44	56	56	27
Pawnee	27	28	45	17	38	55	71	++
Payne	9	7	51	8	5	8	47	10
Pittsburg	39	58	59	48	45	12	18	48
Pontotoc	62	35	30	43	28	27	24	41
Pottawatomie	40	44	16	57	35	37	37	39
Pushmataha	18	64	39	50	72	4	70	55
Roger Mills	76	26	77	46	7	**	2	++
Rogers	9	9	18	3	12	35	31	3
Seminole	57	70	48	77	64	34	74	53
Sequoyah	48	52	56	35	60	43	60	36
Stephens	31	29	32	19	30	47	7	20
Texas	36	41	76	37	77	31	50	14
Tillman	7	73	10	65	70	3	66	54
Tulsa	51	12	63	41	34	31	47	32
Wagoner	57	15	49	9	16	17	25	35
Washington	9	18	6	26	19	23	18	18
Washita	13	41	54	18	23	**	25	29
Woods	57	3	17	14	1	**	60	++
Woodward	61	40	70	45	35	5	4	12

++ Rank not computed when associated rate is based on fewer than 5 events.

**Rank not computed when associated percent is based on a denominator < 20.

Table 12. Number of births by age of mother: Oklahoma and selected cities, 2003

<i>Resident city</i>	<i>Age of mother</i>								<i>Unk</i>	<i>Total</i>
	<i>10-14 years</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>20-24 years</i>	<i>25-29 years</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-54 years</i>		
State	95	2,118	4,855	17,191	13,711	8,865	3,276	752	11	50,874
Ada	1	12	36	110	66	43	17	4	-	289
Altus	2	15	38	135	99	64	20	2	-	375
Alva	-	-	3	19	14	6	-	-	-	42
Anadarko	-	5	15	44	27	17	10	2	-	120
Antlers	-	4	6	19	8	8	-	-	-	45
Ardmore	1	24	41	161	122	69	15	5	-	438
Atoka	-	3	5	29	14	8	5	-	-	64
Bartlesville	-	15	42	169	140	86	24	6	-	482
Bethany	-	8	18	92	66	41	22	2	1	250
Bixby	-	4	12	51	77	70	20	8	-	242
Blackwell	-	5	11	53	33	7	4	-	-	113
Bristow	1	3	6	30	28	14	5	4	-	91
Broken Arrow	-	18	62	297	409	343	116	31	-	1,276
Broken Bow	-	7	17	37	18	9	1	-	-	89
Catoosa	-	1	9	21	26	13	1	1	-	72
Chandler	-	1	8	17	15	5	6	3	-	55
Checotah	-	-	11	24	13	10	2	-	-	60
Chickasha	-	16	27	94	47	36	15	1	-	236
Choctaw	-	3	17	48	48	41	14	6	-	177
Claremore	1	7	27	102	97	66	16	6	-	322
Cleveland	-	4	5	17	16	9	5	-	-	56
Clinton	-	11	14	64	36	25	8	1	-	159
Collinsville	-	4	13	33	48	29	11	2	-	140
Coweta	-	4	13	38	34	16	10	5	-	120
Cushing	-	8	14	38	29	19	7	1	-	116
Davis	-	2	2	11	8	3	1	-	-	27
Del City	-	13	44	113	90	37	18	1	-	316
Dewey	-	4	3	18	10	7	-	-	-	42
Drumright	-	2	3	13	5	7	1	-	-	31
Duncan	-	9	35	98	85	48	26	4	-	305
Durant	-	12	22	105	43	25	15	2	-	224
Edmond	2	18	43	223	453	425	148	39	-	1,351
El Reno	1	14	35	101	60	30	10	2	-	253
Elk City	-	7	27	79	42	28	7	-	-	190
Enid	1	32	81	310	214	108	48	11	-	805
Eufaula	-	2	5	10	7	8	1	1	-	34
Fairview	-	-	4	5	9	2	2	1	-	23
Fort Gibson	-	3	6	28	23	10	4	-	-	74
Frederick	-	7	12	19	9	8	1	-	-	56
Glenpool	-	3	10	54	43	23	5	1	-	139

Table 12. Number of births by age of mother: Oklahoma and selected cities, 2003

Resident city	Age of mother								Unk	Total
	10-14 years	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years		
Grove	1	4	13	27	15	11	7	-	1	79
Guthrie	1	3	15	58	51	26	11	2	-	167
Guymon	-	16	24	79	64	27	12	-	-	222
Harrah	-	2	6	27	14	16	6	1	-	72
Healdton	-	1	6	18	15	3	2	1	-	46
Heavener	-	12	16	55	25	7	2	-	-	117
Henryetta	-	8	16	40	23	13	3	-	-	103
Hobart	-	4	10	15	7	5	2	1	-	44
Holdenville	-	5	10	27	18	7	3	-	-	70
Hollis	-	3	3	8	6	2	1	-	-	23
Hugo	1	7	14	41	17	7	7	-	-	94
Idabel	-	12	5	43	34	8	8	-	-	110
Jenks	-	2	5	26	71	67	22	3	-	196
Kingfisher	-	2	5	31	16	13	2	2	-	71
Lawton	4	56	188	621	369	214	66	11	1	1,530
Lindsay	-	2	3	24	6	5	-	1	-	41
Lone Grove	-	1	5	12	10	6	1	1	-	36
Madill	-	5	7	31	21	7	4	2	-	77
Mangum	-	3	2	17	7	3	5	-	-	37
Marlow	-	4	12	22	18	9	3	-	-	68
McAlester	-	10	35	94	69	37	13	2	-	260
Miami	2	12	24	72	41	31	6	5	-	193
Midwest City	1	37	68	304	232	132	44	6	-	824
Moore	1	17	27	213	216	124	45	8	-	651
Muldrow	-	2	9	17	22	7	3	-	-	60
Muskogee	1	30	75	255	140	78	27	7	-	613
Mustang	-	4	11	60	51	42	20	2	-	190
New Cordell	-	-	6	16	10	2	-	1	-	35
Newcastle	-	1	4	10	20	9	2	1	-	47
Nichols Hills	-	-	-	-	1	3	1	-	-	5
Noble	-	4	5	49	39	14	6	-	-	117
Norman	1	20	84	321	364	291	110	32	-	1,223
Nowata	-	3	7	23	17	5	-	-	-	55
Okemah	-	1	6	24	15	3	3	-	-	52
Oklahoma City	24	434	767	2,844	2,195	1,472	542	138	1	8,417
Okmulgee	1	12	33	86	36	22	9	2	-	201
Owasso	-	12	17	74	99	85	38	4	-	329
Pauls Valley	-	4	16	26	21	14	1	1	-	83
Pawhuska	-	5	9	25	8	5	1	-	-	53
Perry	-	5	5	23	23	13	7	1	-	77

Table 12. Number of births by age of mother: Oklahoma and selected cities, 2003

Resident city	Age of mother								Unk	Total
	10-14 years	15-17 years	18-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years		
Piedmont	-	1	3	7	19	17	15	1	-	63
Pocola	-	1	3	20	15	7	1	1	-	48
Ponca City	1	27	40	151	110	42	26	7	-	404
Poteau	2	12	17	72	28	15	3	1	-	150
Pryor Creek	1	5	13	60	26	17	6	2	-	130
Purcell	-	2	4	34	32	12	5	2	-	91
Sallisaw	-	8	19	59	28	16	3	2	-	135
Sand Springs	1	11	32	91	100	49	12	3	-	299
Sapulpa	-	14	24	125	77	49	16	1	-	306
Sayre	-	1	4	20	8	3	2	-	-	38
Seminole	1	12	17	57	28	24	5	1	-	145
Shawnee	2	26	57	170	119	91	20	7	-	492
Skiatook	-	1	11	34	31	11	5	4	-	97
Spencer	-	8	11	26	21	12	1	2	-	81
Stigler	-	2	2	25	17	5	-	-	1	52
Stillwater	-	10	32	145	124	87	54	9	-	461
Stilwell	1	9	16	38	19	8	2	1	-	94
Stroud	-	2	2	9	10	6	-	-	-	29
Sulphur	1	5	13	37	17	8	5	1	-	87
Tablequah	2	12	36	97	74	37	11	6	-	275
Tecumseh	-	4	8	39	19	14	4	-	-	88
The Village	-	-	-	2	6	1	1	1	-	11
Tishomingo	-	7	9	19	6	4	-	1	-	46
Tonkawa	-	2	10	19	11	4	5	2	-	53
Tulsa	19	290	594	2,104	1,753	1,210	519	101	2	6,592
Tuttle	-	1	3	16	23	16	4	-	-	63
Vinita	-	4	14	36	36	8	2	-	-	100
Wagoner	-	6	17	53	33	21	8	1	-	139
Walters	-	2	7	10	14	5	3	1	-	42
Warr Acres	-	1	4	21	18	12	5	-	-	61
Watonga	-	4	7	17	19	4	2	-	-	53
Weatherford	-	-	14	63	28	14	5	3	-	127
Wewoka	-	2	13	26	11	7	6	-	-	65
Wilburton	-	2	9	30	4	6	1	1	-	53
Woodward	-	7	30	88	41	29	7	2	-	204
Yukon	-	10	35	127	183	131	43	5	-	534
Other/Unk	16	532	1,350	4,557	3,546	2,195	783	196	4	13,179

Table 13. Number of births by race and Hispanic origin of mother: Oklahoma and selected cities, 2003

(Estimates provided by the U.S. Census Bureau)

<i>Resident city</i>	<i>Race of mother</i>						<i>Total</i>	<i>2003 Population Estimate</i>
	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Hispanic¹</i>		
State	39,656	4,589	5,297	1,165	167	5,720	50,874	3,511,500
Ada	207	11	67	4	-	14	289	16,010
Altus	319	40	9	7	-	98	375	20,560
Alva	38	-	3	1	-	-	42	5,030
Anadarko	41	4	74	1	-	12	120	6,540
Antlers	34	-	11	-	-	-	45	2,530
Ardmore	320	57	51	10	-	25	438	23,930
Atoka	45	6	13	-	-	1	64	2,980
Bartlesville	386	19	68	6	3	25	482	34,710
Bethany	213	25	5	6	1	31	250	20,010
Bixby	220	1	18	3	-	9	242	16,610
Blackwell	106	-	6	1	-	9	113	7,420
Bristow	67	13	10	1	-	1	91	4,310
Broken Arrow	1,099	56	63	53	5	70	1,276	83,610
Broken Bow	60	7	22	-	-	7	89	4,130
Catoosa	61	-	11	-	-	3	72	5,840
Chandler	49	4	2	-	-	1	55	2,820
Checotah	43	5	12	-	-	2	60	3,480
Chickasha	198	18	16	4	-	12	236	16,350
Choctaw	156	7	13	1	-	5	177	10,160
Claremore	251	3	63	5	-	16	322	16,770
Cleveland	47	1	8	-	-	1	56	3,240
Clinton	132	11	15	1	-	50	159	8,360
Collinsville	126	1	12	1	-	2	140	4,260
Coweta	92	5	23	-	-	4	120	7,780
Cushing	106	3	6	1	-	4	116	8,510
Davis	23	1	3	-	-	1	27	2,610
Del City	243	58	8	4	3	22	316	22,170
Dewey	39	-	3	-	-	2	42	3,300
Drumright	28	2	1	-	-	1	31	2,890
Duncan	276	9	16	4	-	23	305	22,030
Durant	190	1	29	2	2	20	224	14,570
Edmond	1,161	87	23	78	2	54	1,351	71,640
El Reno	199	8	42	4	-	28	253	15,940
Elk City	175	8	5	2	-	11	190	10,510
Enid	719	18	19	49	-	85	805	46,440
Eufaula	22	3	8	1	-	1	34	2,720
Fairview	22	-	1	-	-	-	23	2,660
Fort Gibson	42	-	32	-	-	4	74	4,170
Frederick	51	5	-	-	-	19	56	4,380
Glenpool	121	1	15	2	-	8	139	8,410

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 13. Number of births by race and Hispanic origin of mother: Oklahoma and selected cities, 2003

(Estimates provided by the U.S. Census Bureau)

<i>Resident city</i>	<i>Race of mother</i>						<i>Total</i>	<i>2003 Population Estimate</i>
	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Hispanic¹</i>		
Grove	56	-	21	1	1	2	79	5,570
Guthrie	153	11	2	1	-	9	167	10,110
Guymon	218	-	-	4	-	142	222	10,570
Harrah	63	-	6	1	2	1	72	4,910
Healdton	43	-	3	-	-	1	46	2,780
Heavener	109	-	8	-	-	69	117	
Henryetta	87	1	13	2	-	3	103	3,200
Hobart	36	5	1	2	-	7	44	6,040
Holdenville	53	-	17	-	-	3	70	5,580
Hollis	20	3	-	-	-	11	23	2,110
Hugo	56	24	14	-	-	8	94	5,570
Idabel	68	25	16	1	-	13	110	6,950
Jenks	184	5	5	2	-	7	196	11,560
Kingfisher	65	-	5	-	1	8	71	4,450
Lawton	967	385	116	58	4	197	1,530	91,730
Lindsay	37	-	4	-	-	3	41	2,890
Lone Grove	34	-	2	-	-	3	36	4,870
Madill	67	2	7	-	1	37	77	3,520
Mangum	35	1	1	-	-	7	37	2,750
Marlow	64	1	3	-	-	3	68	4,490
McAlester	201	12	41	4	2	17	260	17,870
Miami	142	1	47	3	-	9	193	13,490
Midwest City	563	189	37	34	1	37	824	54,660
Moore	583	20	24	13	11	50	651	44,990
Muldrow	47	2	10	1	-	3	60	3,140
Muskogee	371	124	114	4	-	43	613	38,640
Mustang	177	-	11	1	1	9	190	14,550
New Cordell	34	-	1	-	-	5	35	2,860
Newcastle	44	-	3	-	-	2	47	5,810
Nichols Hills	5	-	-	-	-	-	5	4,030
Noble	111	-	5	-	1	7	117	5,400
Norman	1,036	71	67	48	1	86	1,223	99,200
Nowata	39	-	16	-	-	-	55	4,040
Okemah	36	1	15	-	-	1	52	3,000
Oklahoma City	6,027	1,510	376	409	95	2,041	8,417	523,300
Okmulgee	114	36	48	2	1	5	201	12,730
Owasso	294	6	27	1	1	34	329	21,630
Pauls Valley	65	2	14	2	-	13	83	6,180
Pawhuska	31	3	19	-	-	-	53	3,570
Perry	71	-	6	-	-	-	77	5,140

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 13. Number of births by race and Hispanic origin of mother: Oklahoma and selected cities, 2003

(Estimates provided by the U.S. Census Bureau)

<i>Resident city</i>	<i>Race of mother</i>						<i>Total</i>	<i>2003 Population Estimate</i>
	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Hispanic¹</i>		
Piedmont	60	1	1	1	-	3	63	4,090
Pocola	45	-	3	-	-	1	48	4,260
Ponca City	345	10	45	4	-	29	404	25,600
Poteau	128	5	17	-	-	14	150	7,990
Pryor Creek	96	-	32	2	-	5	130	9,100
Purcell	82	2	5	1	1	19	91	5,630
Sallisaw	98	1	35	1	-	8	135	8,380
Sand Springs	270	6	20	3	-	8	299	17,700
Sapulpa	260	12	33	-	1	14	306	19,760
Sayre	38	-	-	-	-	2	38	4,220
Seminole	104	5	35	-	1	4	145	6,760
Shawnee	368	22	97	5	-	15	492	29,450
Skiatook	73	-	22	2	-	-	97	5,880
Spencer	23	56	2	-	-	2	81	3,770
Stigler	38	-	14	-	-	2	52	2,780
Stillwater	376	17	28	40	-	21	461	41,320
Stilwell	31	1	60	1	1	4	94	3,420
Stroud	25	1	3	-	-	-	29	2,750
Sulphur	68	-	15	4	-	8	87	4,810
Tahlequah	149	5	117	4	-	44	275	15,410
Tecumseh	68	1	18	1	-	1	88	6,260
The Village	10	1	-	-	-	-	11	10,070
Tishomingo	35	1	10	-	-	-	46	3,190
Tonkawa	47	2	4	-	-	10	53	3,160
Tulsa	4,750	1,232	443	158	9	1,225	6,592	387,810
Tuttle	61	-	2	-	-	1	63	4,850
Vinita	70	3	25	2	-	2	100	5,970
Wagoner	100	14	25	-	-	7	139	7,820
Walters	32	-	10	-	-	4	42	2,610
Warr Acres	52	6	-	3	-	9	61	9,660
Watonga	39	3	11	-	-	6	53	4,460
Weatherford	110	-	15	2	-	8	127	9,510
Wewoka	34	8	22	1	-	3	65	3,420
Wilburton	43	-	10	-	-	6	53	2,930
Woodward	196	1	5	2	-	23	204	11,790
Yukon	491	7	13	22	1	20	534	21,150
Other/Unk	10,708	228	2,169	60	14	615	13,179	-

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 14. Risk factors and other data from birth certificate check boxes: Oklahoma, 2003

<i>Risk Factors</i>	<i>Count</i>	<i>Delivery Method</i>	<i>Count</i>
Anemia (HCT < 30/HGB < 10)	873	Vaginal	34,826
Cardiac Disease	192	Vaginal after C-Section	535
Lung Disease	282	Primary C-Section	8,494
Diabetes	1,519	Repeat C-Section	6,489
Genital Herpes	327	Forceps	930
Hydramnios/Oligohydramios	539	Vacuum	2,174
Hemoglobinopathy	17	Blank/Unknown	530
Hypertension, Chronic	506	<i>Type/Method Count</i>	53,448
Hypertension, Preg. Assoc.	2,069	<i>Deliveries Reported</i>	50,344
Eclampsia	297		
Incompetent Cervix	125		
Previous Infant > 4000 gms.	410		
Previous Preterm Infant	676		
Renal Disease	47		
RH Sensitization	480		
Uterine Bleeding	165		
Other	9,474		
Blank/Unknown	36,084		
<i>Risk Count</i>	17,998		
<i>Patient Count</i>	14,790		
<i>Complications</i>	<i>Count</i>	<i>Abnormal Conditions</i>	<i>Count</i>
Febrile (> 100 F)	380	Anemia (HCT < 39/HGB < 13)	35
Meconium, Moderate/Heavy	1,460	Birth Injury	74
Pre. Ruptured Membrane	815	Fetal Alcohol Syndrome	4
Abruptio Placenta	304	Fetal Membrane Disease/Rds.	756
Placenta Previa	134	Meconium Aspiration Syndrome	71
Other Excessive Bleeding	127	Assisted Ventilation (< 30 min.)	557
Seizures During Labor	38	Assisted Ventilation (> 30 min.)	687
Precipitous Labor < 3 hrs	642	Seizures	22
Prolonged Labor > 20 hrs	237	Other	2,558
Dysfunctional Labor	645	Blank/Unknown	47,254
Breech/Malpresentation	1,641	<i>Abnormal Count</i>	4,764
Cephalopelvic Disproportion	889	<i>Patient Count</i>	3,620
Cord Prolapse	269		
Anesthetic Complication	34		
Fetal Distress	1,723		
Other	6,465		
Blank/Unknown	37,664		
<i>Complication Count</i>	15,803		
<i>Patient Count</i>	13,210		
<i>OB Procedures</i>	<i>Count</i>	<i>Congenital Anomalies</i>	<i>Count</i>
Amniocentesis	302	Anencephalus	4
Electronic Fetal Monitor	44,921	Spina Bifida/Meningocele	6
Induction of Labor	12,691	Hydrocephalus	13
Stimulation of Labor	5,166	Microcephalus	1
Tocolysis	1,264	Other Central Nervous System Anomalies	10
Ultrasound	30,711	Heart Malformation	36
Other	1,322	Other Circulatory/Respiratory	62
Blank/Unknown	2,461	Rectal Atresia/Stenosis	3
<i>Procedure Count</i>	96,377	Traceo-Esophageal Atresia	6
<i>Patient Count</i>	48,413	Omphalocele/Gastroschisis	22
		Other Gastrointestinal Anomalies	10
		Malformed Genitalia	24
		Renal Agenesis	5
		Other Urogenital Anomalies	30
		Cleft Lip/Palate	43
		Polydactyly/Syndactyly/Adactyly	18
		Club Foot	28
		Diaphragmatic Hernia	14
		Other Musculoskeletal/Integumental Anomalies	57
		Down's Syndrome	14
		Other Chromosomal Anomalies	23
		Other	259
		Blank/Unknown	50,269
		<i>Anomaly Count</i>	688
		<i>Patient Count</i>	605
		Total Births	50,874

Table 15. Number and percent of births by age of mother and selected characteristics: Oklahoma, 2003

Characteristic	Total	Age of mother								Unk
		10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-54 years	
Total	50,874	95	6,973	17,191	13,711	8,865	3,276	719	33	11
<i>Race/ethnicity of mother</i>										
White	39,656	52	4,919	13,092	10,993	7,285	2,689	593	27	6
Black	4,589	21	916	1,765	1,037	571	226	50	2	1
Am. Indian	5,296	20	1,059	2,024	1,303	633	207	46	1	3
Other	1,165	-	58	250	336	346	143	30	2	-
Unknown	168	2	21	60	42	30	11	-	1	1
Hispanic ¹	5,720	20	957	1,989	1,474	870	335	72	2	1
<i>Marital status</i>										
Married	32,004	4	1,731	9,271	10,317	7,405	2,678	566	24	8
Not married	18,869	91	5,242	7,920	3,393	1,460	598	153	9	3
Unknown	1	-	-	-	1	-	-	-	-	-
Percent Not Married	37.1	95.8	75.2	46.1	24.7	16.5	18.3	21.3	27.3	27.3
<i>Education of mother</i>										
0-8 years	2,429	78	557	736	555	325	139	37	1	1
9-11 years	9,313	15	3,399	3,601	1,462	548	236	46	4	2
12 years	18,883	-	2,635	8,205	4,582	2,379	874	198	7	3
13-15 years	10,344	-	339	3,642	3,438	2,036	710	172	5	2
16+ years	9,709	-	3	942	3,632	3,546	1,305	265	15	1
Unknown	196	2	40	65	42	31	12	1	1	2
Percent less than 12 years education	23.2	100.0	57.1	25.3	14.8	9.9	11.5	11.6	15.6	33.3
<i>Birthweight</i>										
< 1500 grams	603	2	100	192	160	84	44	21	-	-
1500-2499 grams	3,313	13	548	1,107	777	540	262	60	3	3
2500-3999 grams	42,470	76	5,915	14,554	11,446	7,280	2,609	561	23	6
4000 and over	4,102	3	361	1,221	1,218	885	335	71	6	2
Unknown	386	1	49	117	110	76	26	6	1	-
Percent < 1500 grams	1.2	2.1	1.4	1.1	1.2	1.0	1.4	2.9	0.0	0.0
Percent < 2500 grams	7.8	16.0	9.4	7.6	6.9	7.1	9.4	11.4	9.4	27.3
<i>Plurality</i>										
Single birth	49,446	93	6,871	16,834	13,303	8,483	3,125	695	31	11
Multiple birth	1,427	2	102	357	407	382	151	24	2	-
Unknown	1	-	-	-	1	-	-	-	-	-
<i>Live-birth order</i>										
1st birth	19,843	92	5,523	7,405	4,162	1,927	601	122	7	4
2nd birth	16,100	2	1,201	6,064	4,776	2,990	888	170	8	1
3rd birth	9,077	-	211	2,645	2,949	2,219	874	169	8	2
4th birth	3,710	-	28	827	1,218	1,037	487	110	2	1
5th or more	2,087	-	3	232	592	683	420	147	8	2
Unknown	57	1	7	18	14	9	6	1	-	1
<i>Trimester prenatal care began</i>										
1st trimester	38,205	37	4,426	12,291	10,940	7,336	2,589	557	22	7
2nd trimester	8,578	39	1,779	3,382	1,835	984	442	107	9	1
3rd trimester	1,752	5	363	650	398	211	103	21	1	-
No care	549	5	94	182	148	72	36	11	-	1
Unknown	1,790	9	311	686	390	262	106	23	1	2
Percent 1st Trimester Care	77.8	43.0	66.4	74.5	82.1	85.3	81.7	80.0	68.8	77.8

¹ Hispanic may be of any race
 - Denotes no events in that category.

Table 15. Number and percent of births by age of mother and selected characteristics: Oklahoma, 2003

Characteristic	Total	Age of mother								Unk
		10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-54 years	
Total	50,874	95	6,973	17,191	13,711	8,865	3,276	719	33	11
<i>Number of prenatal care visits</i>										
No visits	617	6	104	209	158	82	43	14	.	1
1-4 visits	2,398	10	498	938	517	270	124	38	2	1
5-9 visits	12,598	46	2,188	4,676	2,981	1,770	747	178	8	4
10-12 visits	19,987	13	2,461	6,464	5,631	3,749	1,360	292	14	3
13+ visits	14,020	15	1,489	4,414	4,158	2,809	940	187	8	-
Unknown	1,254	5	233	490	266	185	62	10	1	2
Percent with 10 or more visits	68.5	31.1	58.6	65.1	72.8	75.6	71.6	67.6	68.8	33.3
<i>Adequacy of prenatal care</i>										
1st trimester and 10 or more visits	30,482	20	3,274	9,540	8,993	6,111	2,088	433	20	3
Intermediate care	15,519	52	2761	5822	3614	2123	910	221	11	5
Little care	782	4	170	311	168	86	33	10	-	-
Late care	1,752	5	363	650	398	211	103	21	1	-
No care	549	5	94	182	148	72	36	11	-	1
Unknown	1,790	9	311	686	390	262	106	23	1	2
Percent 1st trimester and 10 or more visits	62.1	23.3	49.1	57.8	67.5	71.0	65.9	62.2	62.5	33.3
Percent late, little, or no care	6.3	16.3	9.4	6.9	5.4	4.3	5.4	6.0	3.1	11.1
<i>Tobacco use during pregnancy</i>										
No	42,133	83	5,490	13,461	11,759	7,840	2,863	598	32	7
Yes	8,207	9	1,365	3,517	1,845	956	396	116	1	2
Unknown	534	3	118	213	107	69	17	5	-	2
Percent with tobacco use	16.3	9.8	19.9	20.7	13.6	10.9	12.2	16.2	3.0	22.2
<i>Alcohol use during pregnancy</i>										
No	49,954	90	6,808	16,843	13,515	8,730	3,226	701	32	9
Yes	358	2	42	123	83	63	31	13	1	-
Unknown	562	3	123	225	113	72	19	5	-	2
Percent with alcohol use	0.7	2.2	0.6	0.7	0.6	0.7	1.0	1.8	3.0	0.0

¹ Hispanic may be of any race
 - Denotes no events in that category.

Table 16. Number and percent of births by race of mother and selected characteristics: Oklahoma, 2003

<i>Characteristic</i>	<i>Race of mother</i>						<i>Hispanic¹</i>
	<i>Total</i>	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	
Total	50,874	39,656	4,589	5,297	1,165	167	5,720
<i>Age of mother</i>							
10-14 years	95	52	21	20	-	2	20
15-19 years	6,953	4,919	916	1,060	58	-	957
20-24 years	17,191	13,092	1,765	2,024	250	60	1,989
25-29 years	13,711	10,993	1,037	1,303	336	42	1,474
30-34 years	8,865	7,285	571	633	346	30	870
35-39 years	3,276	2,689	226	207	143	11	335
40-44 years	719	593	50	46	30	-	72
45-54 years	33	27	2	1	2	1	2
Unknown	11	6	1	3	-	1	1
<i>Marital Status</i>							
Married	32,004	27,046	1,324	2,586	938	110	3,261
Not married	18,869	12,610	3,265	2,711	227	56	2,459
Unknown	1	-	-	-	-	1	-
Percent not married	37.1	31.8	71.1	51.2	19.5	33.7	43.0
<i>Education of mother</i>							
0-8 years	2,429	2,077	90	179	73	10	1,503
9-11 years	9,314	6,859	982	1,332	105	36	1,799
12 years	18,883	14,253	1,971	2,259	345	55	1,554
13-15 years	10,344	8,055	1,051	987	220	31	514
16+ years	9,709	8,282	474	520	418	15	299
Unknown	195	130	21	20	4	20	51
Percent less than 12 years education	23.2	22.6	23.5	28.6	15.3	31.3	58.2
<i>Birthweight</i>							
< 1500 grams	603	429	117	50	7	-	54
1500-2499 grams	3,312	2,438	509	281	70	14	281
2500-3999 grams	42,469	33,151	3,780	4,362	1,035	141	4,933
4000 and over	4,075	3,283	168	563	51	10	417
Unknown	415	355	15	41	2	2	35
Percent < 1500 grams	1.2	1.1	2.6	1.0	0.6	-	0.9
Percent < 2500 grams	7.8	7.3	13.7	6.3	6.6	8.5	5.9
<i>Plurality</i>							
Single birth	49,446	38,557	4,407	5,182	1,137	163	5,611
Multiple birth	1,427	1,099	182	114	28	4	109
<i>Live-birth order</i>							
1st birth	19,843	15,538	1,657	2,053	530	65	2,067
2nd birth	16,100	12,789	1,306	1,561	386	58	1,692
3rd birth	9,077	7,066	841	986	159	25	1,125
4th birth	3,710	2,776	450	421	51	12	531
5th birth	2,087	1,445	324	275	39	4	294
Unknown	57	42	11	1	-	3	11

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 16. Number and percent of births by race of mother and selected characteristics: Oklahoma, 2003

<i>Characteristic</i>	<i>Race of mother</i>						<i>Hispanic¹</i>
	<i>Total</i>	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	
Total	50,874	39,656	4,589	5,297	1,165	167	5,720
<i>Trimester prenatal care began</i>							
1st trimester	38,205	30,547	3,035	3,627	879	117	3,621
2nd trimester	8,578	6,213	1,005	1,137	202	21	1,543
3rd trimester	1,752	1,201	205	291	45	10	272
No care	549	361	92	84	8	4	89
Unknown	1,790	1,334	252	158	31	15	195
Percent 1st trimester care	77.8	79.7	70.0	70.6	77.5	77.0	65.5
<i>Number of prenatal care visits</i>							
No visits	617	405	103	93	10	6	98
1-4 visits	2,398	1,606	338	387	56	11	414
5-9 visits	12,603	9,356	1,317	1,562	328	40	1,929
10-12 visits	19,987	16,029	1,562	1,859	468	69	2,048
13+ visits	14,020	11,342	1,059	1,296	287	36	1,084
Unknown	1,254	918	210	99	21	6	127
Percent with 10 or more visits	68.5	70.7	59.9	60.7	65.7	64.8	56.2
<i>Adequacy of prenatal care</i>							
1st trimester and 10 or more visits	30,482	24,709	2,283	2,700	696	94	2,619
Intermediate care	15,519	11,529	1,642	1,939	366	43	2,417
Little care	782	522	115	125	19	1	128
Late care	1,752	1,201	205	291	45	10	272
No care	549	361	92	84	8	4	89
Unknown	1,790	1,334	252	158	31	15	195
Percent 1st trimester and 10 or more visits	62.1	64.5	52.6	52.5	61.4	61.8	47.4
Percent late, little, or no care	6.3	5.4	9.5	9.7	6.3	9.9	8.9
<i>Tobacco use during pregnancy</i>							
No	41,133	32,673	3,910	4,287	113	150	5,412
Yes	8,207	6,610	584	955	45	13	240
Unknown	534	373	95	54	7	5	68
Percent with tobacco use	16.6	16.8	13.0	18.2	28.5	8.0	4.2
<i>Alcohol use during pregnancy</i>							
No	49,954	39,000	4,450	5,189	1,153	162	5,619
Yes	358	265	42	45	5	1	31
Unknown	562	391	97	62	7	5	70
Percent with alcohol use	0.7	0.7	0.9	0.9	0.4	0.6	0.5

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 17. Number and percent of births by birthweight and selected characteristics: Oklahoma, 2003

Characteristic	Total	Birthweight				Unk	Total	
		< 1500 grams	1500-2499 grams	2500-3999 grams	4000 grams or more		< 2500 grams	Number
Total	50,874	603	3,312	42,469	4,075	415	3,915	7.8
<i>Race/ethnicity of mother</i>								
White	39,656	429	2,438	33,151	3283	355	2,867	7.3
Black	4,589	117	509	3,780	168	15	626	13.7
American Indian	5,297	50	281	4,362	563	41	331	6.3
Other	1,165	7	70	1,035	51	2	77	6.6
Unknown	167	-	14	141	10	2	14	8.5
Hispanic ¹	5,720	54	281	4,933	417	35	335	5.9
<i>Age of mother</i>								
10-14 years	95	2	13	76	3	1	15	16.0
15-19 years	6,973	100	547	5,914	359	53	647	9.3
20-24 years	17,191	192	1,107	14,554	1,215	123	1,299	7.6
25-29 years	13,711	160	777	11,446	1,209	119	937	6.9
30-34 years	8,865	84	540	7,280	879	82	624	7.1
35-39 years	3,276	44	262	2,609	333	28	306	9.4
40-44 years	719	21	60	561	70	7	81	11.4
45-54 years	33	-	3	23	5	2	3	9.7
Unknown	11	-	3	6	2	-	3	27.3
<i>Marital Status</i>								
Married	32,004	330	1,754	26,720	2,913	287	2,084	6.6
Not married	18,869	273	1,558	15,749	1,162	127	1,831	9.8
Unknown	1	-	-	-	-	1	-	0.0
<i>Education of mother</i>								
0-8 years	2,429	26	139	2,082	165	17	165	6.8
9-11 years	9,314	107	780	7,836	525	66	887	9.6
12 years	18,883	254	1,255	15,757	1,473	144	1,509	8.1
13-15 years	10,344	102	642	8,583	930	87	744	7.3
16+ years	9,709	111	481	8,048	970	99	592	6.2
Unknown	195	3	15	163	12	2	18	9.3
<i>Plurality</i>								
Single birth	49,446	494	2,604	41,880	4,074	394	3,098	6.3
Multiple birth	1,427	109	708	589	1	20	817	58.1
Unknown	1	-	-	-	-	1	-	0.0
<i>Live-birth order</i>								
1st birth	19,843	269	1,344	16,703	1,370	157	1,613	8.2
2nd birth	16,100	148	892	13,538	1,383	139	1,040	6.5
3rd birth	9,077	106	575	7,525	798	73	681	7.6
4th birth	3,710	44	292	3,002	340	32	336	9.1
5th birth	2,087	35	203	1,656	180	13	238	11.5
Unknown	57	1	6	45	4	1	7	12.5
<i>Gestational age</i>								
< 37 weeks	5,096	591	2,101	2,289	45	70	2,692	53.6
37-39 weeks	28,015	6	1,018	24,975	1,788	228	1,024	3.7
40 weeks or more	17,479	1	159	14,992	2,217	110	160	0.9
Unknown	284	5	34	213	25	7	39	14.1

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 17. Number and percent of births by birthweight and selected characteristics: Oklahoma, 2003

Characteristic	Total	Birthweight				Unk	Total	
		< 1500 grams	1500-2499 grams	2500-3999 grams	4000 grams or more		< 2500 grams	
							Number	Percent
Total	50,874	603	3,312	42,469	4,075	415	3,915	7.8
<i>Trimester prenatal care began</i>								
1st trimester	38,205	444	2,358	31,901	3,186	316	2,802	7.4
2nd trimester	8,578	82	570	7,266	599	61	652	7.7
3rd trimester	1,752	15	129	1,477	121	10	144	8.3
No care	549	32	81	377	50	9	113	20.9
Unknown	1,790	30	174	1,448	119	19	204	11.5
<i>Number of prenatal care visits</i>								
No visits	617	35	89	430	54	9	124	20.4
1-4 visits	2398	141	272	1833	129	23	413	17.4
5-9 visits	12598	256	975	10473	830	64	1,231	9.8
10-12 visits	19987	109	1110	16933	1637	198	1,219	6.2
13+ visits	14020	36	735	11794	1351	104	771	5.5
Unknown	1254	26	131	1006	74	17	157	12.7
<i>Adequacy of prenatal care</i>								
1st trimester and 10 or more visits	30,482	135	1,659	25,749	2,676	263	1,794	5.9
Intermediate care	15,519	324	1,169	12,853	1,071	102	1,493	9.7
Little care	782	67	100	565	38	12	167	21.7
Late care	1,752	15	129	1,477	121	10	144	8.3
No care	549	32	81	377	50	9	113	20.9
Unknown	1,790	30	174	1,448	119	19	204	11.5
Percent 1st trimester and 10 or more visits	62.1	23.6	52.9	62.8	67.6	66.4	48.3	8.9
Percent late, little, or no care	6.3	19.9	9.9	5.9	5.3	7.8	11.4	76.5
<i>Tobacco use during pregnancy</i>								
No	42,133	490	2,430	35,159	3,706	348	2,920	7.0
Yes	8,207	102	827	6,885	334	59	929	11.4
Unknown	534	11	55	425	35	8	66	12.5
<i>Alcohol use during pregnancy</i>								
No	49,954	590	3221	41720	4019	404	3,811	7.7
Yes	358	2	31	300	22	3	33	9.3
Unknown	562	11	60	449	34	8	71	12.8

¹ Hispanic births are of any race.

- Denotes no events in that category.

Table 18. Number and percent of births to teens by age group and selected characteristics: Oklahoma, 2003

<i>Characteristic</i>	<i>All births all ages</i>	<i>10-14 years</i>	<i>15-17 years</i>	<i><18 years</i>	<i>18-19 years</i>	<i>15-19 years</i>	<i><20 years</i>
Total	50,874	96	2,110	2,206	4,843	6,953	7,049
<i>Race/ethnicity of mother</i>							
White	39,656	53	1,458	1,511	3,445	4,903	4,956
Black	4,589	21	311	332	604	915	936
American Indian	5,297	20	323	343	733	1,056	1,076
Other	1,165	-	11	11	47	58	58
Unknown	167	2	7	9	14	21	23
Hispanic1	5,720	20	345	365	607	952	972
<i>Education of mother</i>							
0-8 years	2,429	79	288	367	268	556	635
9-11 years	9,314	15	1,583	1,598	1,807	3,390	3,405
12 years	18,883	1	212	213	2,410	2,622	2,623
13-15 years	10,344	-	8	8	335	343	343
16+ years	9,709	-	-	-	3	3	3
Unknown	195	1	19	20	20	39	40
<i>Marital Status</i>							
Married	32,004	5	301	306	1,436	1,737	1,742
Not married	18,869	91	1,809	1,900	3,407	5,216	5,307
Unknown	1	-	-	-	-	-	-
Percent Not Married	37.1	94.8	85.7	86.1	70.3	75.0	75.3
<i>Trimester prenatal care began</i>							
1st trimester	38,205	35	1,232	1,267	3,198	4,430	4,465
2nd trimester	8,578	41	626	667	1,142	1,768	1,809
3rd trimester	1,752	5	126	131	233	359	364
No care	549	6	21	27	69	90	96
Unknown	1,790	9	105	114	201	306	315
Percent 1st Trimester Care	77.8	40.2	61.4	60.6	68.9	66.6	66.3
<i>Number of prenatal care visits</i>							
No visits	617	7	26	33	74	100	107
1-4 visits	2,398	10	179	189	318	497	507
5-9 visits	12,603	46	699	745	1,487	2,186	2,232
10-12 visits	19,987	15	733	748	1,727	2,460	2,475
13+ visits	14,020	13	391	404	1,090	1,481	1,494
Unknown	1,254	5	82	87	147	229	234
Percent with 10 or more visits	68.5	30.8	55.4	54.4	60.0	58.6	58.2
<i>Adequacy of prenatal care</i>							
1st trimester and 10 or more visits	30,482	18	894	912	2,382	3,276	3,294
Intermediate care	15,519	54	907	961	1,844	2,751	2,805
Little care	782	4	57	61	114	171	175
Late care	1,752	5	126	131	233	359	364
No care	549	6	21	27	69	90	96
Unknown	1,790	9	105	114	201	306	315
Percent 1st trimester and 10 or more visits	62.1	20.7	44.6	43.6	51.3	49.3	48.9
Percent late, little, or no care	6.3	17.2	10.2	10.5	9.0	9.3	9.4

- Denotes no events in that category.

Table 18. Number and percent of births to teens by age group and selected characteristics: Oklahoma, 2003

<i>Characteristic</i>	<i>All births all ages</i>	<i>10-14 years</i>	<i>15-17 years</i>	<i><18 years</i>	<i>18-19 years</i>	<i>15-19 years</i>	<i><20 years</i>
Total	50,874	96	2,110	2,206	4,843	6,953	7,049
<i>Birthweight</i>							
< 1500 grams	603	2	45	47	59	104	106
1500-2499 grams	3,312	13	188	201	357	545	558
2500-3999 grams	42,469	76	1,775	1,851	4,150	5,925	6,001
4000 and over	4,075	4	95	99	265	360	364
Unknown	415	1	7	8	12	19	20
Percent < 1500 grams	1.2	2.1	2.1	2.1	1.2	1.5	1.5
Percent < 2500 grams	7.8	15.8	11.1	11.3	8.6	9.4	9.4

Table 19. Percent of births by short birth interval, high parity, number of teen births, percent of births to teens, and teen fertility rate aged 15-19: Oklahoma, 1975-2003

(Teen fertility rates are live births per 1,000 female population aged 15-19.)

Year	Short birth interval		Previous births		Number of teen births	% of births to women < 20 years	Fertility rate ages 15-19
	< 18 months	< 24 months	Age < 20: 2+ births	Age > 19: 4+ births			
1975	17.0	30.1	12.3	8.0	10,061	23.6	78.6
1976	17.0	30.5	13.6	7.5	9,931	22.8	76.7
1977	17.2	30.8	14.1	6.7	9,740	21.4	74.5
1978	17.2	31.0	15.0	6.4	9,574	20.9	72.2
1979	17.4	31.5	15.3	6.1	10,032	20.5	74.6
1980	18.8	33.3	15.0	5.9	10,192	19.6	74.5
1981	19.3	34.6	13.6	5.6	10,210	19.0	73.0
1982	19.4	35.0	15.6	5.6	10,752	18.3	75.8
1983	19.8	35.0	13.9	5.7	10,014	17.6	70.9
1984	18.9	34.0	15.1	5.4	8,807	16.2	64.7
1985	18.2	32.8	14.9	5.5	8,410	15.8	64.6
1986	18.7	32.8	16.6	5.6	7,894	15.6	62.9
1987	18.3	32.9	22.0	6.1	7,648	16.0	62.7
1988	18.6	32.8	24.7	6.3	7,561	16.0	63.5
1989	18.6	32.6	24.7	6.7	7,736	16.4	66.4
1990	19.6	33.6	23.7	6.3	7,719	16.6	67.3
1991	20.4	35.4	18.7	6.1	8,147	17.1	70.1
1992	20.3	35.1	23.9	6.1	7,950	16.8	67.7
1993	20.3	34.5	16.9	6.1	7,880	17.1	66.6
1994	19.6	33.7	17.8	6.3	7,757	17.0	66.2
1995	18.8	32.6	18.1	6.4	7,706	17.0	65.2
1996	18.0	31.3	16.2	6.2	7,842	17.0	64.6
1997	18.0	31.7	16.1	6.5	8,104	16.8	65.6
1998	18.0	31.3	17.8	6.9	7,998	16.3	61.0
1999	18.3	32.3	14.4	7.2	7,814	16.2	58.8
2000	17.9	32.2	17.9	6.4	7,831	15.8	59.6
2001	17.6	31.5	17.5	6.7	7,572	15.1	58.2
2002	17.9	32.2	16.9	6.9	7,415	14.7	57.6
2003	18.4	32.5	16.7	6.9	7,068	13.9	55.8

Table 20. Number of teen births and age-specific birth rates by age and race of mother: Oklahoma, 1975-2003

(Rates are live births per 1,000 female population in specified group.)

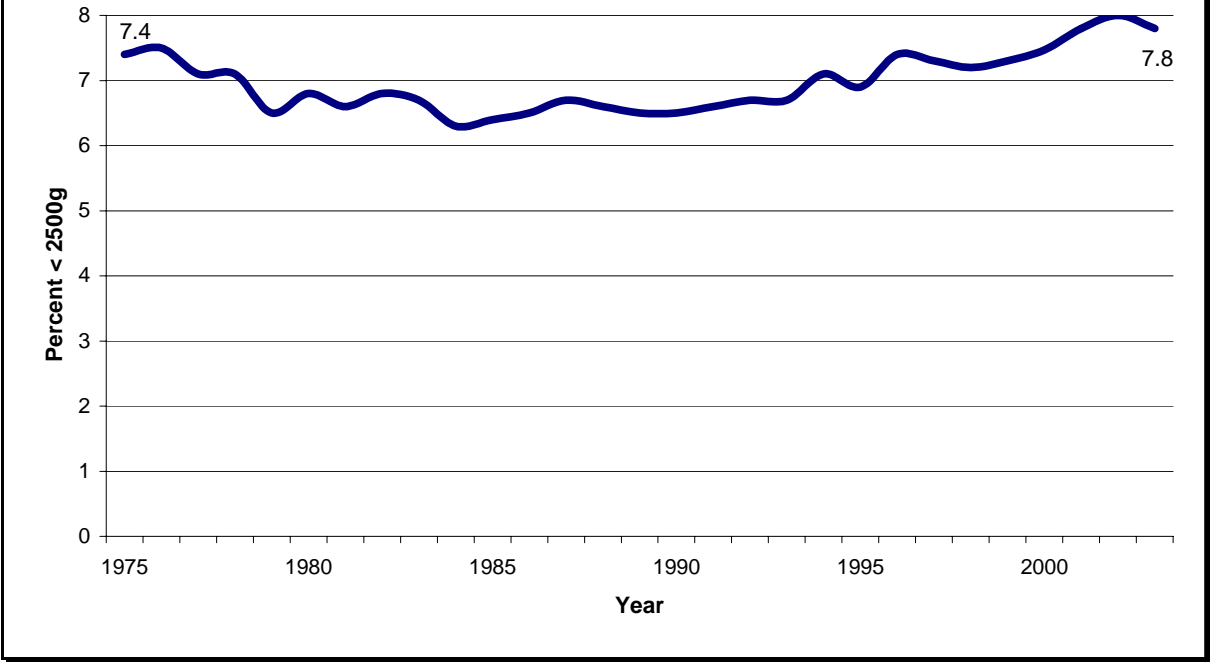
Year	10-14 Years		15-17 Years		18-19 Years		Race of mother: Ages 15-19			Total ¹
	Number	Rate	Number	Rate	Number	Rate	White	Black	American Indian	
1975	179	1.5	3,881	51.9	6,001	117.5	68.2	141.1	120.4	78.6
1976	171	1.5	3,822	50.8	5,938	114.0	67.0	132.7	117.9	76.7
1977	148	1.3	3,666	48.4	5,926	111.6	66.0	124.7	111.3	74.5
1978	147	1.3	3,481	45.6	5,946	109.7	64.3	121.5	107.4	72.2
1979	154	1.4	3,624	47.1	6,254	112.7	66.3	130.5	109.0	74.6
1980	146	1.3	3,593	46.1	6,453	113.4	68.5	123.7	99.3	74.5
1981	134	1.2	3,414	42.8	6,662	114.4	70.3	109.4	92.2	73.0
1982	133	1.1	3,523	43.5	7,096	119.9	76.2	91.2	96.5	75.8
1983	148	1.3	3,302	41.1	6,564	111.6	71.6	96.6	89.7	70.9
1984	164	1.4	3,025	39.2	5,618	99.4	64.8	92.1	77.1	64.7
1985	150	1.3	2,997	40.6	5,263	97.2	64.2	97.2	72.9	64.6
1986	133	1.2	2,848	40.0	4,913	94.0	61.2	97.8	71.6	62.9
1987	145	1.3	2,772	40.2	4,731	93.3	59.7	100.7	72.0	62.7
1988	141	1.3	2,710	40.2	4,710	95.0	58.5	106.4	78.7	63.5
1989	120	1.1	2,596	39.3	5,020	103.1	60.6	114.8	81.0	66.4
1990	113	1.0	2,531	38.9	5,075	105.8	61.2	117.9	79.4	67.3
1991	166	1.5	2,708	41.3	5,273	109.1	62.4	128.8	89.9	70.1
1992	153	1.3	2,751	41.5	5,046	103.2	62.0	115.2	82.0	67.7
1993	143	1.2	2,744	41.1	4,993	101.3	60.5	112.2	86.0	66.6
1994	150	1.3	2,823	41.9	4,784	96.1	58.9	108.5	85.1	66.2
1995	158	1.3	2,763	41.2	4,785	97.6	58.6	103.2	83.2	65.2
1996	145	1.2	2,758	41.0	4,939	96.5	61.7	89.9	83.5	64.6
1997	139	1.1	2,819	38.0	5,146	104.1	57.6	96.7	90.0	65.6
1998	120	1.0	2,704	34.6	5,174	101.8	54.9	84.5	84.5	61.0
1999	131	1.1	2,514	32.5	5,169	96.9	54.5	81.4	67.5	58.8
							2000 NCHS pop est with bridged racial categories			
2000	120	1.0	2,492	32.5	5,219	98.7	54.2	83.5	76.2	59.6
2001	105	0.9	2,322	30.8	5,145	97.2	53.6	76.8	75.2	58.2
2002	113	0.9	2,216	29.8	5,086	96.9	54.7	70.7	68.1	57.6
2003	95	0.8	2,118	28.8	4,855	94.5	52.1	69.5	69.9	55.8

¹ Includes unknown race and races other than White, Black, and American Indian.

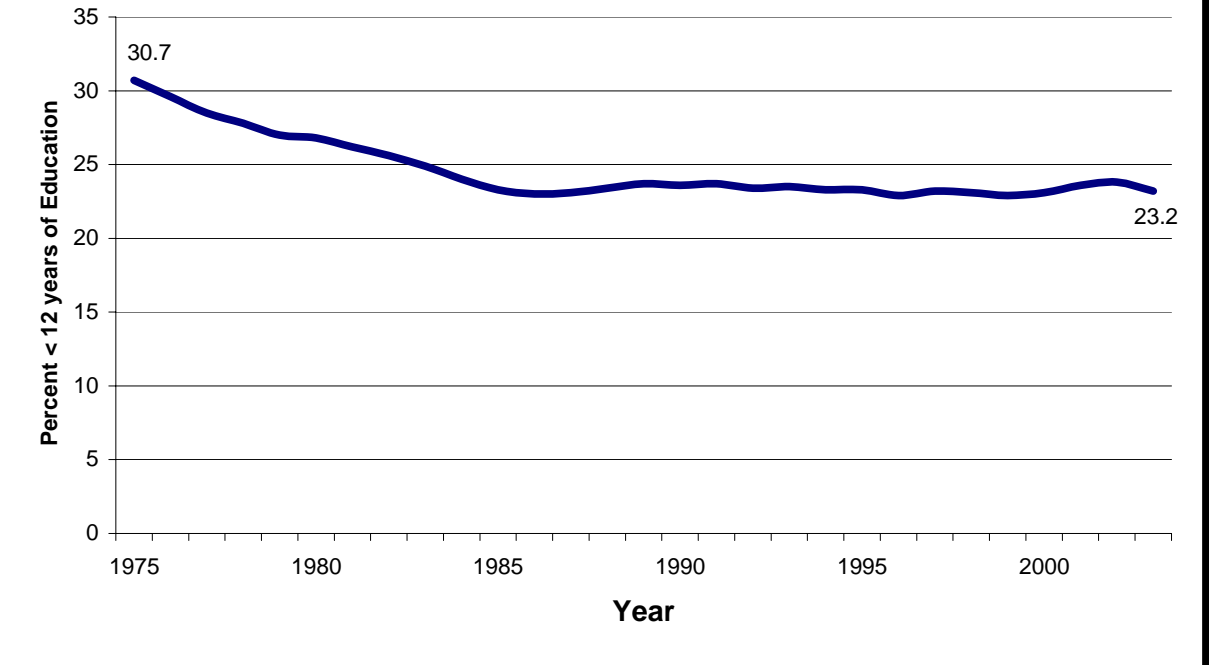
Table 21. Percent of births by race, low birthweight, low educational attainment and marital status: Oklahoma, 1975-2003

<i>Year</i>	<i>Race of mother</i>			<i>Birthweight</i>		<i>Education</i>	<i>Not married</i>	
	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>< 1500 grams</i>	<i>< 2500 grams</i>	<i>< 12 grades</i>	<i>All ages</i>	<i>Age < 20 years</i>
1975	82.8	9.5	6.0	1.2	7.4	30.7	11.9	28.7
1976	83.0	9.7	6.2	1.2	7.5	29.6	12.5	29.9
1977	83.9	9.1	6.0	1.0	7.1	28.5	13.0	31.5
1978	82.7	9.7	6.4	1.0	7.1	27.8	14.8	33.1
1979	82.6	9.9	6.5	1.0	6.5	27.0	15.5	34.7
1980	82.6	9.5	6.5	1.0	6.8	26.8	14.1	33.0
1981	82.8	9.0	6.7	1.0	6.6	26.2	14.2	32.8
1982	83.0	8.6	6.8	1.1	6.8	25.6	14.0	32.4
1983	82.6	8.9	6.9	1.0	6.7	24.9	15.3	35.9
1984	82.6	9.1	6.8	1.0	6.3	24.0	16.2	39.4
1985	82.2	9.3	6.9	1.1	6.4	23.3	17.2	42.6
1986	81.3	9.8	7.3	1.0	6.5	23.0	18.6	46.6
1987	80.6	10.0	7.7	1.0	6.7	23.1	20.7	50.7
1988	79.5	10.2	8.6	1.0	6.6	23.4	22.4	52.9
1989	85.1	11.4	9.2	1.1	6.5	23.7	23.8	54.3
1990	78.7	10.6	8.7	1.0	6.5	23.6	25.2	56.3
1991	78.4	10.8	9.2	1.1	6.6	23.7	27.1	58.1
1992	78.3	10.8	9.2	1.1	6.7	23.4	28.4	60.9
1993	78.1	10.7	9.6	1.1	6.7	23.5	29.2	62.0
1994	78.3	10.4	9.6	1.2	7.1	23.3	29.8	62.9
1995	78.8	9.9	9.5	1.2	6.9	23.3	30.6	65.0
1996	79.3	9.7	9.3	1.1	7.4	22.9	31.1	66.7
1997	78.4	9.8	9.6	1.2	7.3	23.2	32.7	69.2
1998	78.5	9.8	9.9	1.3	7.2	23.1	33.5	70.4
1999	78.6	9.6	10.0	1.2	7.3	22.9	33.4	70.6
2000	77.8	9.6	10.5	1.3	7.5	23.1	34.3	71.9
2001	78.1	9.2	10.5	1.3	7.8	23.6	35.2	72.0
2002	78.2	9.3	10.3	1.3	8.0	23.8	36.4	73.6
2003	78.2	9.1	10.4	1.2	7.8	23.2	37.1	75.5

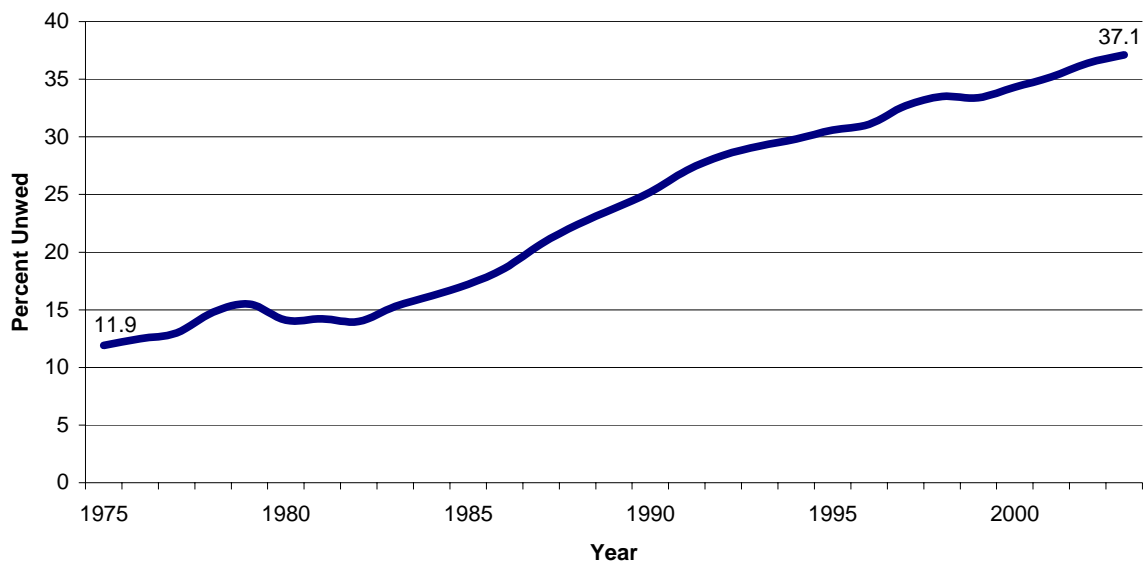
**Figure 1. Percent of Births of Low Birthweight
Oklahoma: 1975-2003**



**Figure 2. Percent of Births to Mothers with Low Education
Oklahoma, 1975-2003**



**Figure 3. Percent of Births to Unmarried Mothers
Oklahoma: 1975-2003**



**Figure 4. Percent of Teen Births to Unmarried Mothers
Oklahoma: 1975-2003**

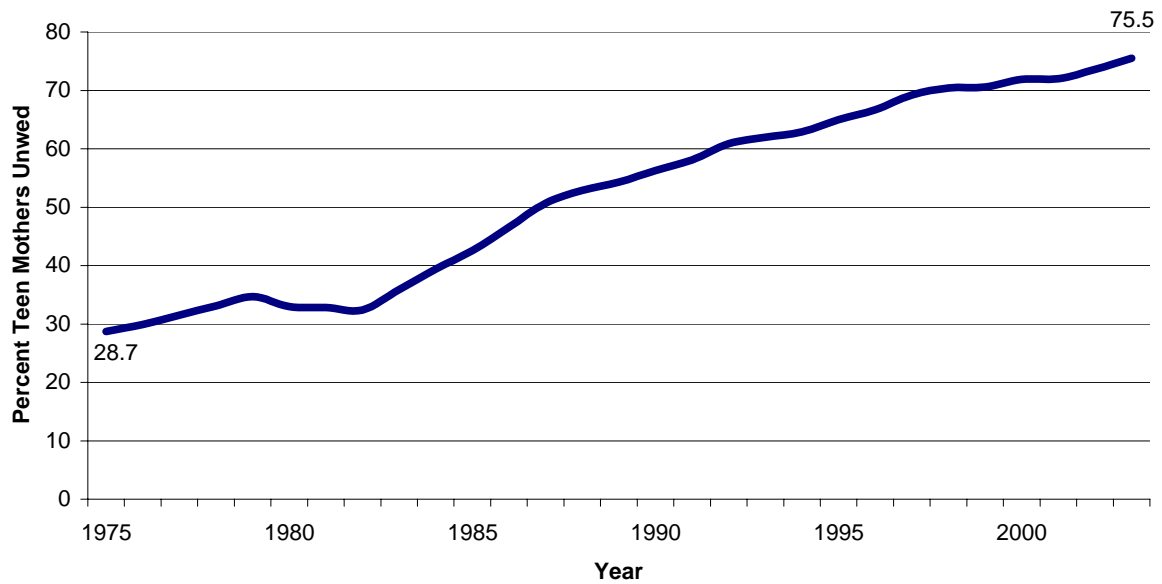


Table 22. Percent of births by first trimester and adequacy of prenatal care: Oklahoma, 1975-2003

<i>Year</i>	<i>1st trimester</i>	<i>1st trimester & 10 or more prenatal visits</i>	<i>Late¹ prenatal care</i>	<i>Little² prenatal care</i>	<i>No prenatal care</i>	<i>Total births</i>
1975	65.9	46.4	7.3	2.2	1.5	43,130
1976	66.1	46.6	7.4	2.3	1.6	43,663
1977	67.9	48.5	6.4	2.1	1.9	45,449
1978	68.6	50.1	6.3	2.0	1.8	45,885
1979	68.0	51.2	6.7	1.8	1.8	49,007
1980	68.1	51.7	6.6	2.0	1.9	52,065
1981	68.1	51.5	6.2	2.4	2.1	53,620
1982	67.6	50.8	6.4	2.3	3.0	58,748
1983	67.3	51.4	6.3	1.9	2.8	56,859
1984	69.4	53.0	6.1	2.0	2.3	54,323
1985	70.5	54.9	5.6	2.0	1.7	53,100
1986	71.5	56.4	5.4	2.0	1.9	50,536
1987	73.2	58.4	5.0	1.8	1.6	47,701
1988	73.5	58.4	5.0	1.8	1.4	47,279
1989	72.3	57.3	5.0	2.2	1.5	47,238
1990	72.1	57.2	5.6	2.1	1.5	47,725
1991	73.2	57.3	4.4	1.8	1.3	47,759
1992	75.2	61.7	4.2	1.3	1.2	47,544
1993	74.8	60.6	4.2	1.5	2.1	46,165
1994	76.0	61.1	3.7	1.4	2.4	45,607
1995	78.0	63.8	3.7	1.4	1.2	45,365
1996	78.5	63.4	3.4	1.4	1.3	46,133
1997	78.3	65.3	3.4	1.4	1.4	48,160
1998	78.6	64.0	3.8	1.5	0.9	49,354
1999	80.1	65.6	3.3	1.4	1.0	48,470
2000	78.7	64.5	3.5	1.5	1.3	49,712
2001	77.4	61.7	4.1	1.6	1.3	50,029
2002	76.7	61.5	4.2	1.5	1.3	50,310
2003	77.8	62.1	3.6	1.6	1.1	50,874

¹Prenatal care beginning in the third trimester of pregnancy.²Prenatal care beginning in the first or second trimester and less than four prenatal care visits.

**Figure 5. Percent of Births to Mothers
Who Began Prenatal Care in First Trimester
Oklahoma, 1975-2003**

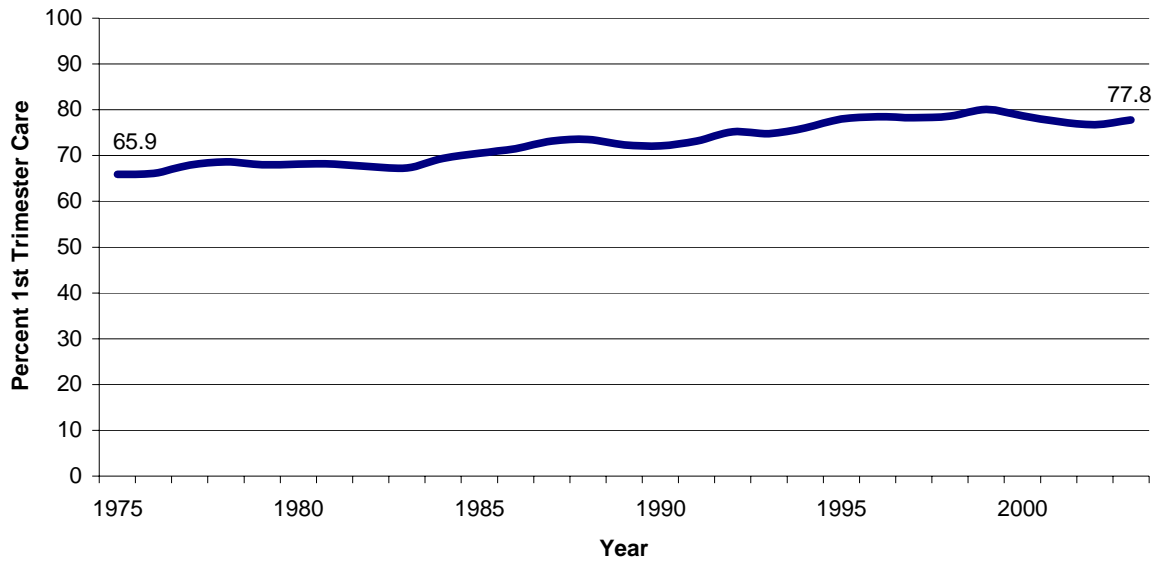


Figure 6
Percent of Births of Low Birthweight
United States and Oklahoma, 1975-2003

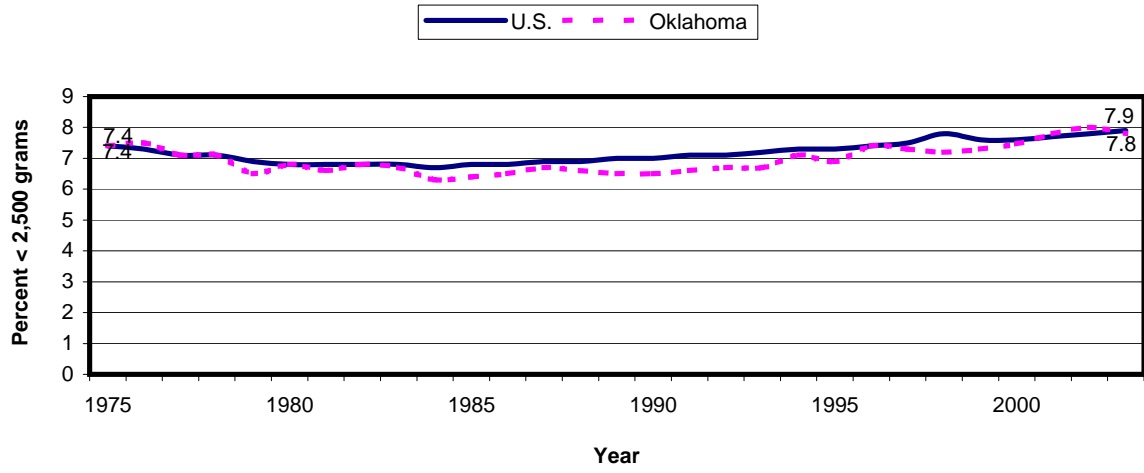


Figure 7. Percent of Births to Unmarried Mothers
United States and Oklahoma, 1975-2003

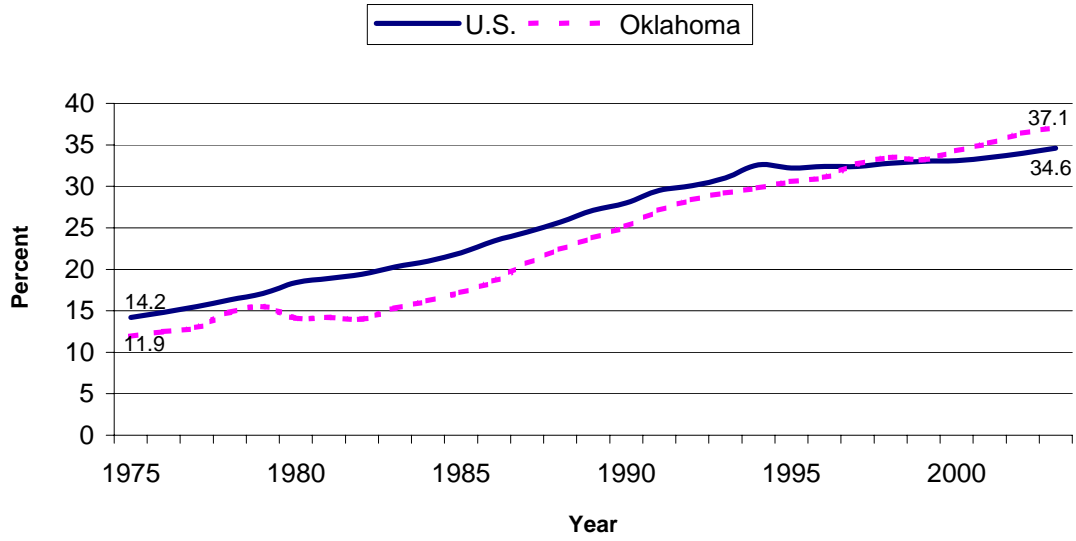


Table 23. Crude birth rates, birth rates for teens aged 15-19, percent of births to women less than 20 years of age, fertility rates, fertility rates by race of mother, and percent of births of low birth weight: UNITED STATES, 1975-2003

(Crude birth rates are per 1,000 total population. Fertility rates are live births per 1,000 female population aged 15-44.)

Year	Crude birth rate	Birth rate ages 15-19	% of births to women < 20 years	Fertility rate	Fertility rates by race of mother			% Low birthweight
					White	Black	American Indian	
1975	14.6	55.6	18.9	66.0	62.5*	87.9	-	7.4
1976	14.6	52.8	18.0	65.0	61.5*	85.8	-	7.3
1977	15.1	52.8	17.2	66.8	63.2*	88.1	-	7.1
1978	15.0	51.5	16.6	65.5	61.7*	86.7	-	7.1
1979	15.6	52.3	16.0	67.2	63.4*	88.3	-	6.9
1980	15.9	53.0	15.6	68.4	65.6	84.7	82.7	6.8
1981	15.8	52.2	14.8	67.3	64.8	82.0	79.6	6.8
1982	15.9	52.4	14.2	67.3	64.8	80.9	83.6	6.8
1983	15.6	51.4	13.7	65.7	63.4	78.7	81.8	6.8
1984	15.6	50.6	13.1	65.5	63.2	78.2	79.8	6.7
1985	15.8	51.0	12.7	66.3	64.1	78.8	78.6	6.8
1986	15.6	50.2	12.6	65.4	63.1	78.9	75.9	6.8
1987	15.7	50.6	12.4	65.8	63.3	80.1	75.6	6.9
1988	16.0	53.0	12.5	67.3	64.5	82.6	76.8	6.9
1989	16.4	57.3	12.8	69.2	66.4	86.2	79.0	7.0
1990	16.7	59.9	12.8	70.9	68.3	86.8	76.2	7.0
1991	16.3	62.1	12.9	69.6	67.0	85.2	75.1	7.1
1992	15.9	60.7	12.7	68.9	66.5	83.2	75.4	7.1
1993	15.5	59.6	12.8	67.6	65.4	80.5	73.4	7.2
1994	15.2	58.9	13.1	66.7	64.9	76.9	70.9	7.3
1995	14.8	56.8	13.1	65.6	64.4	72.3	69.1	7.3
1996	14.8	54.7	12.9	65.7	64.7	70.8	69.8	7.4
1997	14.7	54.4	12.8	65.3	64.2	70.8	68.9	7.5
1998	14.6	51.1	12.5	65.6	64.6	71.0	70.7	7.8
1999	14.5	49.6	12.3	65.9	65.1	70.1	69.7	7.6
2000	14.4	47.7	11.8	65.9	65.3	70.0	58.7	7.6
2001	14.1	45.3	11.3	65.3	65.0	67.6	58.1	7.7
2002	13.9	43.0	10.8	64.8	64.8	65.8	58.0	7.8
2003 [†]	14.1	41.7	10.3	66.1	66.2	66.2	57.9	7.9

- Data not available.

*Race of child-NCHS classification prior to 1980.

[†]Preliminary

Table 24. Percent of births by first trimester prenatal care, low educational attainment, marital status, gestational age, short birth interval and infant mortality rate: UNITED STATES, 1975-2003

<i>Year</i>	<i>1st trimester</i>	<i>Education</i> <i>< 12 grades</i>	<i>Not married</i>	<i>< 37 weeks gestation</i>	<i>Birth interval</i> <i>< 24 months</i>	<i>Infant mortality rate</i>
1975	72.4	28.6	14.2	8.9	25.2	16.1
1976	73.5	27.4	14.8	8.8	25.2	15.2
1977	74.1	26.2	15.5	8.8	25.2	14.1
1978	74.9	26.1	16.3	8.9	26.1	13.8
1979	75.9	24.4	17.1	8.9	26.6	13.1
1980	76.3	23.7	18.4	8.9	27.5	12.6
1981	76.3	22.9	18.9	9.4	28.0	11.9
1982	76.1	22.3	19.4	9.5	27.7	11.5
1983	76.2	21.7	20.3	9.6	27.3	11.2
1984	76.5	20.9	21.0	9.4	26.9	10.8
1985	76.2	20.6	22.0	9.8	26.5	10.6
1986	76.0	20.4	23.4	10.0	26.9	10.4
1987	76.0	20.2	24.5	10.2	26.9	10.1
1988	75.9	20.5	25.7	10.2	26.9	10.0
1989	75.5	23.2	27.1	10.6	27.3	9.8
1990	75.8	23.8	28.0	10.6	27.8	9.2
1991	76.2	24.3	29.5	10.8	28.4	8.9
1992	77.7	23.6	30.1	10.7	-	8.5
1993	78.9	23.3	31.0	11.0	-	8.4
1994	80.2	22.9	32.6	11.0	-	8.0
1995	81.3	22.6	32.2	11.0	-	7.6
1996	81.8	-	32.4	-	-	7.2
1997	82.5	22.1	32.4	11.4	-	7.1
1998	82.8	21.9	32.8	11.7	-	7.2
1999	83.2	21.7	33.0	11.8	-	7.1
2000	83.2	21.7	33.2	11.8	-	6.9
2001	83.4	21.7	33.5	11.8	-	6.8
2002	83.7	21.5	34.0	12.0	-	7
2003*	84.1	-	34.6	12.3	-	6.6

Note: Infant mortality rates are deaths per 1,000 live births.

- Data are not available

* Data are preliminary

**Figure 1. Crude Birth and Death Rates
Oklahoma, 1975-2003**

(rates per 1,000 total population)

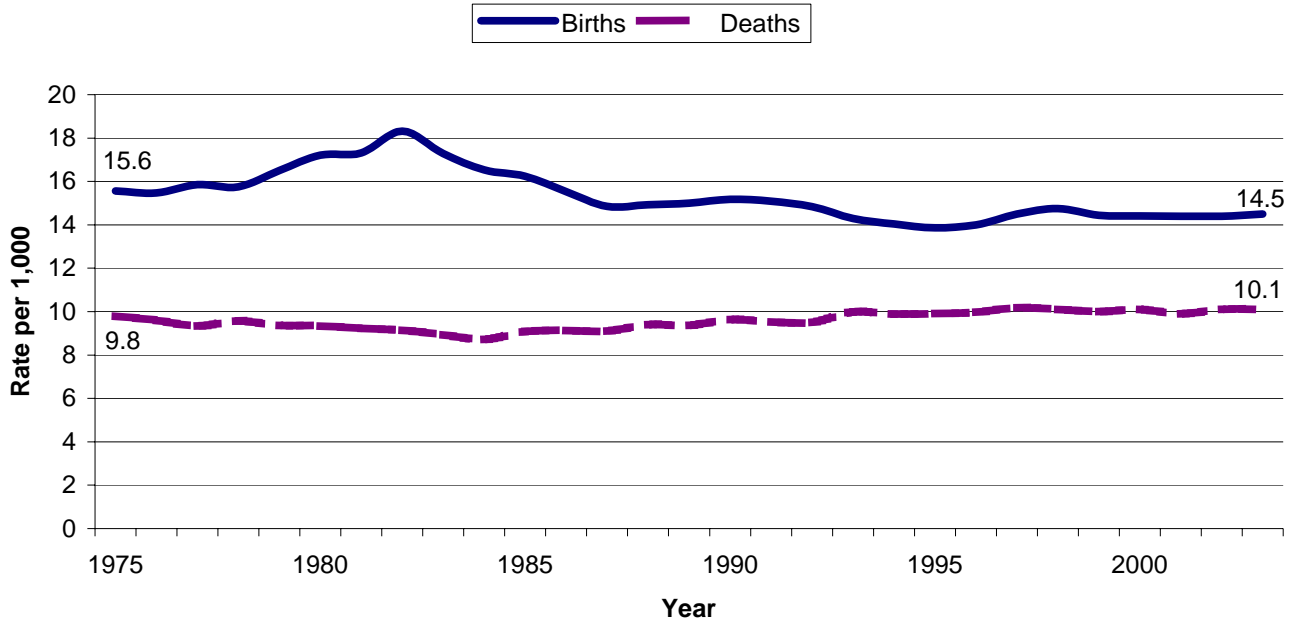


Table 25. Number and crude rate of births and deaths: Oklahoma, 1975-2003

<i>Year</i>	<i>Births</i>		<i>Deaths</i>	
	<i>Number</i>	<i>Rate</i>	<i>Number</i>	<i>Rate</i>
1975	43,130	15.6	27,165	9.8
1976	43,663	15.5	27,103	9.6
1977	45,449	15.9	26,766	9.3
1978	45,885	15.8	27,892	9.6
1979	49,007	16.5	27,802	9.4
1980	52,065	17.2	28,227	9.3
1981	53,620	17.3	28,568	9.2
1982	58,748	18.3	29,305	9.1
1983	56,859	17.3	29,426	8.9
1984	54,323	16.5	28,635	8.7
1985	53,100	16.2	29,735	9.1
1986	50,536	15.5	29,708	9.1
1987	47,701	14.9	29,191	9.1
1988	47,279	14.9	29,766	9.4
1989	47,238	15.0	29,487	9.4
1990	47,725	15.2	30,301	9.6
1991	47,759	15.1	30,172	9.5
1992	47,544	14.8	30,425	9.5
1993	46,165	14.3	32,265	10.0
1994	45,607	14.0	32,082	9.9
1995	45,365	13.9	32,431	9.9
1996	46,133	14.0	32,872	10.0
1997	48,160	14.5	33,780	10.2
1998	49,354	14.7	33,826	10.1
1999	48,470	14.4	34,266	10.0
2000	49,712	14.4	34,766	10.1
2001	50,029	14.4	34,489	9.9
2002	50,310	14.4	35,346	10.1
2003	50,874	14.5	35,623	10.1

Note: Crude rates are per 1,000 total population.

Table 26. 20 Leading Rankable Causes of Death: Oklahoma, 2003

(All rates are per 100,000. Age-adjusted rates are based on the 2000 U.S. standard population)

ICD-10 Rankable Causes of Death	Deaths	% State		Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
		Deaths	Population			
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	11,039	34.5	3,511,532	314.4	299.4	24,066
2 Malignant neoplasms (C00-C97)	7,319	22.9	3,511,532	208.4	198.5	25,087
3 Cerebrovascular diseases (I60-I69)	2,473	7.7	3,511,532	70.4	67.3	4,117
4 Chronic lower respiratory diseases (J40-J47)	2,155	6.7	3,511,532	61.4	58.4	2,762
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,738	5.4	3,511,532	49.5	49.2	34,607
6 Diabetes mellitus (E10-E14)	1,088	3.4	3,511,532	31.0	29.7	3,773
7 Influenza and pneumonia (J10-J18)	946	3	3,511,532	26.9	25.7	2,654
8 Alzheimer's disease (G30)	792	2.5	3,511,532	22.6	21.5	46
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	564	1.8	3,511,532	16.1	15.3	1,467
10 Intentional self-harm (suicide) (X60-X84,Y87.0)	476	1.5	3,511,532	13.6	13.6	10,838
11 Septicemia (A40-A41)	464	1.5	3,511,532	13.2	12.6	1,690
12 Chronic liver disease and cirrhosis (K70,K73-K74)	339	1.1	3,511,532	9.7	9.3	3,063
13 Atherosclerosis (I70)	324	1	3,511,532	9.2	8.8	109
14 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	270	0.8	3,511,532	7.7	7.3	565
15 Pneumonitis due to solids and liquids (J69)	269	0.8	3,511,532	7.7	7.3	207
16 Parkinson's disease (G20-G21)	225	0.7	3,511,532	6.4	6.2	7
17 Assault (homicide) (X85-Y09,Y87.1)	222	0.7	3,511,532	6.3	6.3	7,145
18 Aortic aneurysm and dissection (I71)	191	0.6	3,511,532	5.4	5.2	268
19 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	174	0.5	3,511,532	5.0	4.8	7,478
20 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	164	0.5	3,511,532	4.7	4.5	808

Table 27. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65: Oklahoma, 2003

(All rates are per 100,000. Age-adjusted rates are based on the 2000 U.S. standard population)

ICD-10 Rankable Causes of Death	Deaths	% State		Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
		Deaths	Population			
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,738	5.4	3,511,532	49.5	49.2	34,607
2 Malignant neoplasms (C00-C97)	7,319	22.9	3,511,532	208.4	198.5	25,087
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	11,039	34.5	3,511,532	314.4	299.4	24,066
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	476	1.5	3,511,532	13.6	13.6	10,838
5 Certain conditions originating in the perinatal period (P00-P96)	147	0.5	3,511,532	4.2	4.0	9,548
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	174	0.5	3,511,532	5.0	4.8	7,478
7 Assault (homicide) (X85-Y09,Y87.1)	222	0.7	3,511,532	6.3	6.3	7,145
8 Cerebrovascular diseases (I60-I69)	2,473	7.7	3,511,532	70.4	67.3	4,117
9 Diabetes mellitus (E10-E14)	1,088	3.4	3,511,532	31.0	29.7	3,773
10 Chronic liver disease and cirrhosis (K70,K73-K74)	339	1.1	3,511,532	9.7	9.3	3,063
11 Chronic lower respiratory diseases (J40-J47)	2,155	6.7	3,511,532	61.4	58.4	2,762
12 Influenza and pneumonia (J10-J18)	946	3	3,511,532	26.9	25.7	2,654
13 Human immunodeficiency virus (HIV) disease (B20-B24)	91	0.3	3,511,532	2.6	2.7	1,922
14 Septicemia (A40-A41)	464	1.5	3,511,532	13.2	12.6	1,690
15 Viral hepatitis (B15-B19)	116	0.4	3,511,532	3.3	3.3	1,469
16 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	564	1.8	3,511,532	16.1	15.3	1,467
17 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	164	0.5	3,511,532	4.7	4.5	808
18 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	270	0.8	3,511,532	7.7	7.3	565
19 Legal intervention (Y35,Y89.0)	19	0.1	3,511,532	0.5	0.5	531
20 Anemias (D50-D64)	51	0.2	3,511,532	1.5	1.4	421

**Percent not computed when based on a denominator < 20.

Table 28. Number of resident deaths, crude and age-adjusted mortality rates by cause of death: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>Cause of death by ICD-10 Code</i>	<i>Deaths</i>	<i>Crude Death Rate</i>	<i>Age Adjusted Death Rate</i>	<i>YPLL65</i>
All deaths	35,623	1014.5	971.3	172,541
Tuberculosis (A16-A19)	13	0.4	0.4	45
Respiratory tuberculosis (A16)	10	0.3	0.3	31
Other tuberculosis (A17-A19)	3	0.1	0.1	14
Meningococcal infection (A39)	3	0.1	0.1	98
Septicemia (A40-A41)	464	13.2	12.6	1,690
Arthropod-borne viral encephalitis (A83-A84,A85.2)	1	0.0	0.0	1
Viral hepatitis (B15-B19)	116	3.3	3.3	1,469
Human immunodeficiency virus (HIV) disease (B20-B24)	91	2.6	2.7	1,922
Malignant neoplasms (C00-C97)	7,319	208.4	198.5	25,087
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	101	2.9	2.7	538
Malignant neoplasm of esophagus (C15)	134	3.8	3.6	425
Malignant neoplasm of stomach (C16)	133	3.8	3.6	562
Malignant neoplasms of colon, rectum and anus (C18-C21)	719	20.5	19.5	2,486
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	158	4.5	4.3	653
Malignant neoplasm of pancreas (C25)	360	10.3	9.8	1,047
Malignant neoplasm of larynx (C32)	42	1.2	1.1	103
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	2,309	65.8	62.3	5,941
Malignant melanoma of skin (C43)	126	3.6	3.4	755
Malignant neoplasm of breast (C50)	541	15.4	14.6	2,190
Malignant neoplasm of cervix uteri (C53)	55	1.6	1.5	687
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	79	2.2	2.1	162
Malignant neoplasm of ovary (C56)	181	5.2	4.9	633
Malignant neoplasm of prostate (C61)	352	10.0	9.6	236
Malignant neoplasms of kidney and renal pelvis (C64-C65)	194	5.5	5.2	751
Malignant neoplasm of bladder (C67)	143	4.1	3.9	147
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	190	5.4	5.2	1,948
Hodgkin's disease (C81)	27	0.8	0.7	228
Non-Hodgkin's Lymphoma (C82-C85)	288	8.2	7.8	814
Leukemia (C91-C95)	279	7.9	7.6	1,562
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	127	3.6	3.4	258
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	1	0.0	0.0	-
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49,C51-C52,C57-C60,C62-C63,C66,C68-C69,C73-C80,C97)	780	22.2	21.3	2,961
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D09)	164	4.7	4.5	808
Anemias (D50-D64)	51	1.5	1.4	421
Diabetes mellitus (E10-E14)	1,088	31.0	29.7	3,773
Nutritional deficiencies (E40-E64)	56	1.6	1.5	35
Missing	1	0.0	0.0	3
Malnutrition (E40-E46)	55	1.6	1.5	32
Meningitis (G00,G03)	15	0.4	0.4	232
Parkinson's disease (G20-G21)	225	6.4	6.2	7
Alzheimer's disease (G30)	792	22.6	21.5	46
Diseases of heart (I00-I09,I11,I13,I20-I51)	11,039	314.4	299.4	24,066
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	33	0.9	0.9	155

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

Table 28. Number of resident deaths, crude and age-adjusted mortality rates by cause of death: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>Cause of death by ICD-10 Code</i>	<i>Deaths</i>	<i>Crude Death Rate</i>	<i>Age Adjusted Death Rate</i>	<i>YPLL65</i>
All deaths	35,623	1014.5	971.3	172,541
Hypertensive heart disease (I11)	210	6.0	5.7	460
Hypertensive heart and renal disease (I13)	37	1.1	1.0	107
Acute myocardial infarction (I21-I22)	2,131	60.7	57.9	4,300
Other acute ischemic heart diseases (I24)	1,002	28.5	27.1	2,396
Atherosclerotic cardiovascular disease, so described (I25.0)	1,707	48.6	46.2	4,843
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	3,405	97.0	92.2	4,881
Acute and subacute endocarditis (I33)	23	0.7	0.6	174
Diseases of pericardium and acute myocarditis (I30-I31,I40)	9	0.3	0.3	91
Heart failure (I50)	1,142	32.5	30.9	1,286
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	1,340	38.2	36.7	5,373
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	270	7.7	7.3	565
Cerebrovascular diseases (I60-I69)	2,473	70.4	67.3	4,117
Atherosclerosis (I70)	324	9.2	8.8	109
Aortic aneurysm and dissection (I71)	191	5.4	5.2	268
Influenza and pneumonia (J10-J18)	946	26.9	25.7	2,654
Influenza (J10-J11)	38	1.1	1.0	393
Pneumonia (J12-J18)	908	25.9	24.7	2,261
Acute bronchitis and bronchiolitis (J20-J21)	10	0.3	0.3	386
Chronic lower respiratory diseases (J40-J47)	2,155	61.4	58.4	2,762
Bronchitis, chronic and unspecified (J40-J42)	14	0.4	0.4	145
Emphysema (J43)	217	6.2	5.9	220
Asthma (J45-J46)	52	1.5	1.4	544
Other chronic lower respiratory diseases (J44,J47)	1,872	53.3	50.8	1,853
Pneumoconioses and chemical effects (J60-J66,J68)	5	0.1	0.1	-
Pneumonitis due to solids and liquids (J69)	269	7.7	7.3	207
Peptic ulcer (K25-K28)	57	1.6	1.5	161
Diseases of appendix (K35-K38)	8	0.2	0.2	93
Hernia (K40-K46)	26	0.7	0.7	153
Chronic liver disease and cirrhosis (K70,K73-K74)	339	9.7	9.3	3,063
Alcoholic liver disease (K70)	153	4.4	4.2	1,828
Other chronic liver disease and cirrhosis (K73-K74)	186	5.3	5.1	1,235
Cholelithiasis and other disorders of gallbladder (K80-K82)	55	1.6	1.5	98
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	564	16.1	15.3	1,467
Acute and rapidly progressive nephritic and nephrotic syndrome (N00-N01,N04)	1	0.0	0.0	-
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and Renal failure (N17-N19)	556	15.8	15.1	1,364
Infections of kidney (N10-N12,N13.6,N15.1)	18	0.5	0.5	103
Hyperplasia of prostate (N40)	3	0.1	0.1	-
Inflammatory diseases of female pelvic organs (N70-N76)	4	0.1	0.1	-
Pregnancy, childbirth and the puerperium (O00-O99)	9	0.3	0.3	317
Pregnancy with abortive outcome (O00-O07)	1	0.0	0.0	39
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	8	0.2	0.2	278
Certain conditions originating in the perinatal period (P00-P96)	147	4.2	4.0	9,548

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

Table 28. Number of resident deaths, crude and age-adjusted mortality rates by cause of death: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>Cause of death by ICD-10 Code</i>	<i>Deaths</i>	<i>Crude Death Rate</i>	<i>Age Adjusted Death Rate</i>	<i>YPLL65</i>
All deaths	35,623	1014.5	971.3	172,541
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	174	5.0	4.8	7,478
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,738	49.5	49.2	34,607
Missing	1	0.0	0.0	19
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1,V89.3,V89.9)	714	20.3	20.2	18,181
Water, air and space, and other and unspecified transport accidents and their sequelae (V9C V99,Y85)	20	0.6	0.6	474
Falls (W00-W19)	199	5.7	5.5	586
Accidental discharge of firearms (W32-W34)	16	0.5	0.5	479
Accidental drowning and submersion (W65-W74)	63	1.8	1.8	1,921
Accidental exposure to smoke, fire and flames (X00-X09)	68	1.9	1.9	1,368
Accidental poisoning and exposure to noxious substances (X40-X49)	318	9.1	9.4	7,929
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86)	306	8.7	8.4	2,870
Intentional self-harm (suicide) (X60-X84,Y87.0)	476	13.6	13.6	10,838
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	281	8.0	8.0	5,772
Intentional self-harm (suicide) by other and unspecified means and their sequelae (X60-X71,X75-X84,Y87.0)	195	5.6	5.6	5,066
Assault (homicide) (X85-Y09,Y87.1)	222	6.3	6.3	7,145
Assault (homicide) by discharge of firearms (X93-X95)	139	4.0	3.9	4,488
Assault (homicide) by other and unspecified means and their sequelae (X85-X92,X96-Y09,Y87.1)	83	2.4	2.4	2,657
Legal intervention (Y35,Y89.0)	19	0.5	0.5	531
Complications of medical and surgical care (Y40-Y84,Y88)	43	1.2	1.2	354
Non Rankable Causes	3,641	103.7	99.5	25,817
Missing	9	0.3	0.2	117
Certain other intestinal infections (A04,A07-A09)	31	0.9	0.8	21
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36,A42-A44,A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)	78	2.2	2.2	903
Other diseases of arteries, arterioles and capillaries (I72-I78)	96	2.7	2.6	234
Other disorders of circulatory system (I80-I99)	63	1.8	1.7	327
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	306	8.7	8.4	1,258
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	283	8.1	7.8	8,051
All other diseases (Residual) (D65-E07,E15-E34,E65-F99,G04-G12,G23-G25,G31-H93,K00-K22,K29-K31,K50-K66,K71-K72,K75-K76,K83-M99,N13.0-N13.5,N13.7-N13.9,N14,N15.0,N15.8-N15.9,N20-N23,N28-N39,N41-N64,N80-N98)	2,721	77.5	74.2	13,577
Discharge of firearms, undetermined intent (Y22-Y24)	5	0.1	0.1	70
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	49	1.4	1.4	1,259

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

Table 29. 20 Leading Rankable Causes of Death among Males: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,403	1,731,449	312.1	366.3	16,639
2 Malignant neoplasms (C00-C97)	3,903	1,731,449	225.4	249.7	12,953
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,097	1,731,449	63.4	66.6	24,199
4 Chronic lower respiratory diseases (J40-J47)	1,082	1,731,449	62.5	72.5	1,383
5 Cerebrovascular diseases (I60-I69)	928	1,731,449	53.6	65.2	2,021
6 Diabetes mellitus (E10-E14)	494	1,731,449	28.5	32.2	2,016
7 Influenza and pneumonia (J10-J18)	401	1,731,449	23.2	29.4	1,262
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	398	1,731,449	23	23.4	9,102
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	250	1,731,449	14.4	17.7	1,016
10 Alzheimer's disease (G30)	245	1,731,449	14.1	18.9	9
11 Chronic liver disease and cirrhosis (K70,K73-K74)	223	1,731,449	12.9	13.3	2,185
12 Septicemia (A40-A41)	189	1,731,449	10.9	12.6	724
13 Assault (homicide) (X85-Y09,Y87.1)	173	1,731,449	10	9.8	5,569
14 Parkinson's disease (G20-G21)	150	1,731,449	8.7	11.2	2
15 Aortic aneurysm and dissection (I71)	137	1,731,449	7.9	9.2	218
16 Pneumonitis due to solids and liquids (J69)	114	1,731,449	6.6	8.5	138
17 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	101	1,731,449	5.8	7.0	329
18 Atherosclerosis (I70)	99	1,731,449	5.7	7.5	48
19 Certain conditions originating in the perinatal period (P00-P96)	92	1,731,449	5.3	4.9	5,973
20 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	82	1,731,449	4.7	4.6	3,620

Table 30. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among Males: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,097	1,731,449	63.4	66.6	24,199
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,403	1,731,449	312.1	366.3	16,639
3 Malignant neoplasms (C00-C97)	3,903	1,731,449	225.4	249.7	12,953
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	398	1,731,449	23	23.4	9,102
5 Certain conditions originating in the perinatal period (P00-P96)	92	1,731,449	5.3	4.9	5,973
6 Assault (homicide) (X85-Y09,Y87.1)	173	1,731,449	10	9.8	5,569
7 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	82	1,731,449	4.7	4.6	3,620
8 Chronic liver disease and cirrhosis (K70,K73-K74)	223	1,731,449	12.9	13.3	2,185
9 Cerebrovascular diseases (I60-I69)	928	1,731,449	53.6	65.2	2,021
10 Diabetes mellitus (E10-E14)	494	1,731,449	28.5	32.2	2,016
11 Human immunodeficiency virus (HIV) disease (B20-B24)	76	1,731,449	4.4	4.5	1,557
12 Chronic lower respiratory diseases (J40-J47)	1,082	1,731,449	62.5	72.5	1,383
13 Influenza and pneumonia (J10-J18)	401	1,731,449	23.2	29.4	1,262
14 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	250	1,731,449	14.4	17.7	1,016
15 Viral hepatitis (B15-B19)	75	1,731,449	4.3	4.5	946
16 Septicemia (A40-A41)	189	1,731,449	10.9	12.6	724
17 Legal intervention (Y35,Y89.0)	18	1,731,449	1	1.0	486
18 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	75	1,731,449	4.3	5.0	378
19 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	101	1,731,449	5.8	7.0	329
20 Acute bronchitis and bronchiolitis (J20-J21)	6	1,731,449	0.3	0.3	229

Table 31. 20 Leading Rankable Causes of Death among Females: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,636	1,780,083	316.6	245.9	7,427
2 Malignant neoplasms (C00-C97)	3,416	1,780,083	191.9	163.5	12,134
3 Cerebrovascular diseases (I60-I69)	1,545	1,780,083	86.8	67.2	2,096
4 Chronic lower respiratory diseases (J40-J47)	1,073	1,780,083	60.3	49.5	1,379
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	641	1,780,083	36	33.2	10,408
6 Diabetes mellitus (E10-E14)	594	1,780,083	33.4	27.8	1,757
7 Alzheimer's disease (G30)	547	1,780,083	30.7	22.9	37
8 Influenza and pneumonia (J10-J18)	545	1,780,083	30.6	23.7	1,392
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	314	1,780,083	17.6	13.9	451
10 Septicemia (A40-A41)	275	1,780,083	15.4	12.8	966
11 Atherosclerosis (I70)	225	1,780,083	12.6	9.3	61
12 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	169	1,780,083	9.5	7.3	236
13 Pneumonitis due to solids and liquids (J69)	155	1,780,083	8.7	6.7	69
14 Chronic liver disease and cirrhosis (K70,K73-K74)	116	1,780,083	6.5	6.0	878
15 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	92	1,780,083	5.2	4.9	3,858
16 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	89	1,780,083	5	4.1	430
17 Intentional self-harm (suicide) (X60-X84,Y87.0)	78	1,780,083	4.4	4.3	1,736
18 Parkinson's disease (G20-G21)	75	1,780,083	4.2	3.2	5
19 Certain conditions originating in the perinatal period (P00-P96)	55	1,780,083	3.1	3.1	3,575
20 Aortic aneurysm and dissection (I71)	54	1,780,083	3	2.4	50

Table 32. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among Females: Oklahoma, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Malignant neoplasms (C00-C97)	3,416	1,780,083	191.9	163.5	12,134
2 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	641	1,780,083	36	33.2	10,408
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,636	1,780,083	316.6	245.9	7,427
4 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	92	1,780,083	5.2	4.9	3,858
5 Certain conditions originating in the perinatal period (P00-P96)	55	1,780,083	3.1	3.1	3,575
6 Cerebrovascular diseases (I60-I69)	1,545	1,780,083	86.8	67.2	2,096
7 Diabetes mellitus (E10-E14)	594	1,780,083	33.4	27.8	1,757
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	78	1,780,083	4.4	4.3	1,736
9 Assault (homicide) (X85-Y09,Y87.1)	49	1,780,083	2.8	2.8	1,576
10 Influenza and pneumonia (J10-J18)	545	1,780,083	30.6	23.7	1,392
11 Chronic lower respiratory diseases (J40-J47)	1,073	1,780,083	60.3	49.5	1,379
12 Septicemia (A40-A41)	275	1,780,083	15.4	12.8	966
13 Chronic liver disease and cirrhosis (K70,K73-K74)	116	1,780,083	6.5	6.0	878
14 Viral hepatitis (B15-B19)	41	1,780,083	2.3	2.2	523
15 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	314	1,780,083	17.6	13.9	451
16 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	89	1,780,083	5	4.1	430
17 Human immunodeficiency virus (HIV) disease (B20-B24)	15	1,780,083	0.8	0.9	365
18 Pregnancy, childbirth and the puerperium (O00-O99)	9	1,780,083	0.5	0.5	317
19 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	169	1,780,083	9.5	7.3	236
20 Anemias (D50-D64)	28	1,780,083	1.6	1.2	209

Table 33. Number and percent of deaths, crude and age-adjusted mortality rates by gender: Oklahoma and each County, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

County	Male				Female			
	Deaths	% County Deaths	Death Rate	Age-Adjusted Death Rate	Deaths	% County Deaths	Death Rate	Age-Adjusted Death Rate
State	17,480	49.1	1,009.6	1,195.9	18,143	50.9	1,019.2	855.0
Adair	117	53.2	1,094.4	1,445.0	103	46.8	943.0	892.4
Alfalfa	45	51.1	1,337.7	1,100.6	43	48.9	1,688.9	854.4
Atoka	71	51.1	925.1	1,089.4	68	48.9	1,051.5	854.3
Beaver	35	59.3	1,245.1	1,133.1	24	40.7	866.1	502.2
Beckham	120	47.2	1,153.0	1,239.3	134	52.8	1,412.6	966.5
Blaine	69	50.0	1,091.8	1,114.8	69	50.0	1,287.8	770.4
Bryan	239	51.1	1,308.2	1,321.6	229	48.9	1,202.9	892.7
Caddo	204	55.6	1,366.3	1,517.7	163	44.4	1,076.7	787.6
Canadian	342	49.7	737.5	1,101.4	346	50.3	743.5	806.7
Carter	276	48.8	1,231.8	1,259.8	290	51.2	1,208.8	846.2
Cherokee	188	47.6	870.3	1,110.5	207	52.4	933.2	928.8
Choctaw	132	52.8	1,802.3	1,672.4	118	47.2	1,455.5	1,026.6
Cimarron	21	51.2	1,442.3	1,097.9	20	48.8	1,328.9	847.6
Cleveland	720	52.3	650.7	1,068.3	657	47.7	601.0	742.3
Coal	47	46.1	1,614.0	1,498.5	55	53.9	1,812.8	1,225.6
Comanche	440	48.9	747.5	1,191.5	460	51.1	835.9	883.6
Cotton	42	51.9	1,280.9	1,275.0	39	48.1	1,180.7	700.1
Craig	87	51.2	1,160.3	1,221.0	83	48.8	1,124.4	756.4
Creek	382	50.5	1,129.5	1,292.1	374	49.5	1,069.4	929.3
Custer	123	46.9	1,014.3	1,106.5	139	53.1	1,083.0	846.6
Delaware	251	50.8	1,316.1	1,235.7	243	49.2	1,237.4	910.9
Dewey	33	41.8	1,479.8	1,257.9	46	58.2	1,983.6	990.3
Ellis	40	57.1	2,008.0	1,459.7	30	42.9	1,497.0	622.5
Garfield	312	45.3	1,124.6	1,132.4	377	54.7	1,284.0	856.4
Garvin	196	53.3	1,493.6	1,395.1	172	46.7	1,220.3	744.6
Grady	234	47.6	1,008.2	1,217.9	258	52.4	1,064.8	898.8
Grant	32	49.2	1,326.2	1,087.0	33	50.8	1,289.1	681.7
Greer	34	38.2	1,019.5	956.0	55	61.8	2,154.3	1,042.3
Harmon	20	36.4	1,365.2	1,330.7	35	63.6	2,204.0	1,007.3
Harper	26	37.1	1,573.8	1,292.8	44	62.9	2,520.0	1,267.3
Haskell	81	51.6	1,366.4	1,449.6	76	48.4	1,242.6	794.7
Hughes	108	49.3	1,509.2	1,511.3	111	50.7	1,646.4	962.2
Jackson	137	47.7	1,003.9	1,278.3	150	52.3	1,095.6	995.3
Jefferson	60	55.0	1,875.6	1,539.5	49	45.0	1,468.8	780.8
Johnston	75	51.4	1,463.1	1,465.7	71	48.6	1,315.8	975.2
Kay	307	49.0	1,338.9	1,281.0	320	51.0	1,315.2	870.5
Kingfisher	71	48.6	1,026.6	1,087.0	75	51.4	1,048.1	749.3
Kiowa	93	53.1	1,898.3	1,622.1	82	46.9	1,614.8	933.3
Latimer	71	52.2	1,360.7	1,229.6	65	47.8	1,213.4	970.5
Leflore	267	49.4	1,091.4	1,233.9	273	50.6	1,117.4	912.7

Table 33. Number and percent of deaths, crude and age-adjusted mortality rates by gender: Oklahoma and each County, 2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

County	Male				Female			
	Deaths	% County Deaths	Death Rate	Age-Adjusted Death Rate	Deaths	% County Deaths	Death Rate	Age-Adjusted Death Rate
State	17,480	49.1	1,009.6	1,195.9	18,143	50.9	1,019.2	855.0
Lincoln	196	53.1	1,231.5	1,323.8	173	46.9	1,058.4	879.6
Logan	152	50.0	863.2	1,086.9	152	50.0	853.4	792.9
Love	47	48.0	1,064.8	1,081.4	51	52.0	1,135.6	778.4
McClain	132	49.8	930.2	1,293.9	133	50.2	923.4	870.5
McCurtain	197	48.2	1,195.3	1,300.0	212	51.8	1,209.7	1,015.8
McIntosh	154	54.2	1,631.4	1,297.5	130	45.8	1,262.7	784.4
Major	49	50.5	1,349.5	1,207.1	48	49.5	1,266.2	639.2
Marshall	93	57.1	1,370.1	1,207.2	70	42.9	1,019.8	669.2
Mayes	227	51.9	1,174.0	1,212.1	210	48.1	1,075.0	873.2
Murray	95	45.9	1,513.7	1,296.1	112	54.1	1,738.6	1,166.4
Muskogee	377	46.9	1,108.9	1,156.8	426	53.1	1,174.9	851.9
Noble	69	48.9	1,238.3	1,293.1	72	51.1	1,267.8	936.1
Nowata	53	45.7	992.0	961.9	63	54.3	1,146.9	798.8
Okfuskee	70	52.6	1,161.2	1,164.9	63	47.4	1,114.8	771.7
Oklahoma	3,101	48.1	942.1	1,205.2	3,341	51.9	963.1	865.0
Okmulgee	239	50.0	1,232.7	1,324.5	239	50.0	1,177.8	880.8
Osage	218	55.8	950.8	1,094.8	173	44.2	775.0	642.4
Ottawa	215	50.4	1,343.7	1,291.7	212	49.6	1,264.9	897.8
Pawnee	98	49.2	1,180.2	1,220.5	101	50.8	1,190.3	966.6
Payne	239	44.8	659.5	960.9	295	55.2	847.3	770.2
Pittsburg	251	48.7	1,126.2	1,117.0	264	51.3	1,206.5	784.5
Pontotoc	185	44.9	1,079.8	1,208.3	227	55.1	1,258.2	965.8
Pottawatomie	351	47.4	1,074.9	1,287.8	389	52.6	1,121.3	947.9
Pushmataha	87	50.6	1,534.7	1,387.0	85	49.4	1,397.8	1,008.0
Roger Mills	30	56.6	1,857.6	1,551.3	23	43.4	1,450.2	761.3
Rogers	289	46.8	759.6	1,042.3	329	53.2	840.4	868.0
Seminole	167	50.9	1,405.8	1,404.9	161	49.1	1,276.8	936.4
Sequoyah	209	54.0	1,061.7	1,192.8	178	46.0	877.1	775.9
Stephens	263	45.9	1,274.9	1,173.3	310	54.1	1,419.1	973.7
Texas	65	45.8	629.5	894.2	77	54.2	801.3	851.3
Tillman	77	56.2	1,772.2	1,571.7	60	43.8	1,336.3	757.4
Tulsa	2,586	48.1	929.8	1,219.9	2,789	51.9	954.6	871.3
Wagoner	233	53.7	759.9	1,042.1	201	46.3	644.9	735.0
Washington	278	45.5	1,173.6	1,051.4	333	54.5	1,309.3	857.5
Washita	78	51.0	1,439.6	1,321.5	75	49.0	1,286.7	709.7
Woods	50	44.6	1,118.8	1,056.0	62	55.4	1,475.8	689.3
Woodward	90	47.4	971.6	1,020.9	100	52.6	1,087.2	818.2
Unknown	22	56.8	.	.	18	43.2	.	.

Table 34. 20 Leading Rankable Causes of Death among Whites: Oklahoma, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	49,669	14,075,091	352.9	305.0	89,490
2 Malignant neoplasms (C00-C97)	32,584	14,075,091	231.5	203.3	103,946
3 Cerebrovascular diseases (I60-I69)	10,914	14,075,091	77.5	66.7	14,408
4 Chronic lower respiratory diseases (J40-J47)	9,066	14,075,091	64.4	55.8	10,569
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,681	14,075,091	47.5	45.4	129,599
6 Influenza and pneumonia (J10-J18)	4,270	14,075,091	30.3	26.1	7,000
7 Diabetes mellitus (E10-E14)	3,925	14,075,091	27.9	24.5	11,652
8 Alzheimer's disease (G30)	3,184	14,075,091	22.6	19.2	252
9 Intentional self-harm (suicide) (X60-X84,Y87.0)	2,136	14,075,091	15.2	15.0	47,119
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,131	14,075,091	15.1	13.1	4,292
11 Septicemia (A40-A41)	1,835	14,075,091	13	11.4	6,833
12 Atherosclerosis (I70)	1,776	14,075,091	12.6	10.7	698
13 Chronic liver disease and cirrhosis (K70,K73-K74)	1,462	14,075,091	10.4	9.5	11,905
14 Pneumonitis due to solids and liquids (J69)	1,195	14,075,091	8.5	7.3	1,113
15 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	936	14,075,091	6.7	5.7	1,475
16 Parkinson's disease (G20-G21)	932	14,075,091	6.6	5.7	63
17 Aortic aneurysm and dissection (I71)	921	14,075,091	6.5	5.7	1,571
18 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	807	14,075,091	5.7	5.0	3,234
19 Assault (homicide) (X85-Y09,Y87.1)	639	14,075,091	4.5	4.6	18,508
20 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	632	14,075,091	4.5	4.5	27,920

Table 35. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among Whites: Oklahoma, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	6,681	14,075,091	47.5	45.4	129,599
2 Malignant neoplasms (C00-C97)	32,584	14,075,091	231.5	203.3	103,946
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	49,669	14,075,091	352.9	305.0	89,490
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	2,136	14,075,091	15.2	15.0	47,119
5 Certain conditions originating in the perinatal period (P00-P96)	508	14,075,091	3.6	3.8	32,518
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	632	14,075,091	4.5	4.5	27,920
7 Assault (homicide) (X85-Y09,Y87.1)	639	14,075,091	4.5	4.6	18,508
8 Cerebrovascular diseases (I60-I69)	10,914	14,075,091	77.5	66.7	14,408
9 Chronic liver disease and cirrhosis (K70,K73-K74)	1,462	14,075,091	10.4	9.5	11,905
10 Diabetes mellitus (E10-E14)	3,925	14,075,091	27.9	24.5	11,652
11 Chronic lower respiratory diseases (J40-J47)	9,066	14,075,091	64.4	55.8	10,569
12 Human immunodeficiency virus (HIV) disease (B20-B24)	345	14,075,091	2.5	2.5	7,909
13 Influenza and pneumonia (J10-J18)	4,270	14,075,091	30.3	26.1	7,000
14 Septicemia (A40-A41)	1,835	14,075,091	13	11.4	6,833
15 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2,131	14,075,091	15.1	13.1	4,292
16 Viral hepatitis (B15-B19)	358	14,075,091	2.5	2.4	4,230
17 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	807	14,075,091	5.7	5.0	3,234
18 Legal intervention (Y35,Y89.0)	63	14,075,091	0.4	0.5	1,763
19 Aortic aneurysm and dissection (I71)	921	14,075,091	6.5	5.7	1,571
20 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	936	14,075,091	6.7	5.7	1,475

Table 36. 20 Leading Rankable Causes of Death among African Americans: Oklahoma, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	3,205	1,426,293	224.7	364.8	14,037
2 Malignant neoplasms (C00-C97)	2,252	1,426,293	157.9	254.6	10,330
3 Cerebrovascular diseases (I60-I69)	778	1,426,293	54.5	89.8	3,431
4 Diabetes mellitus (E10-E14)	517	1,426,293	36.2	59.0	2,204
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	475	1,426,293	33.3	40.5	11,263
6 Chronic lower respiratory diseases (J40-J47)	302	1,426,293	21.2	35.3	1,165
7 Assault (homicide) (X85-Y09,Y87.1)	276	1,426,293	19.4	18.6	9,541
8 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	246	1,426,293	17.2	28.1	1,325
9 Influenza and pneumonia (J10-J18)	192	1,426,293	13.5	21.9	865
10 Septicemia (A40-A41)	175	1,426,293	12.3	19.0	1,606
11 Certain conditions originating in the perinatal period (P00-P96)	155	1,426,293	10.9	8.1	10,072
12 Alzheimer's disease (G30)	139	1,426,293	9.7	17.3	19
13 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	136	1,426,293	9.5	15.5	669
14 Human immunodeficiency virus (HIV) disease (B20-B24)	105	1,426,293	7.4	8.7	2,265
15 Atherosclerosis (I70)	105	1,426,293	7.4	12.8	46
16 Intentional self-harm (suicide) (X60-X84,Y87.0)	102	1,426,293	7.2	7.6	3,056
17 Chronic liver disease and cirrhosis (K70,K73-K74)	91	1,426,293	6.4	8.4	1,199
18 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	83	1,426,293	5.8	5.0	4,461
19 Pneumonitis due to solids and liquids (J69)	50	1,426,293	3.5	6.1	106
20 Anemias (D50-D64)	44	1,426,293	3.1	4.2	665

Table 37. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among African Americans: Oklahoma, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	3,205	1,426,293	224.7	364.8	14,037
2 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	475	1,426,293	33.3	40.5	11,263
3 Malignant neoplasms (C00-C97)	2,252	1,426,293	157.9	254.6	10,330
4 Certain conditions originating in the perinatal period (P00-P96)	155	1,426,293	10.9	8.1	10,072
5 Assault (homicide) (X85-Y09,Y87.1)	276	1,426,293	19.4	18.6	9,541
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	83	1,426,293	5.8	5.0	4,461
7 Cerebrovascular diseases (I60-I69)	778	1,426,293	54.5	89.8	3,431
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	102	1,426,293	7.2	7.6	3,056
9 Human immunodeficiency virus (HIV) disease (B20-B24)	105	1,426,293	7.4	8.7	2,265
10 Diabetes mellitus (E10-E14)	517	1,426,293	36.2	59.0	2,204
11 Septicemia (A40-A41)	175	1,426,293	12.3	19.0	1,606
12 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	246	1,426,293	17.2	28.1	1,325
13 Chronic liver disease and cirrhosis (K70,K73-K74)	91	1,426,293	6.4	8.4	1,199
14 Chronic lower respiratory diseases (J40-J47)	302	1,426,293	21.2	35.3	1,165
15 Influenza and pneumonia (J10-J18)	192	1,426,293	13.5	21.9	865
16 Legal intervention (Y35,Y89.0)	23	1,426,293	1.6	1.6	706
17 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	136	1,426,293	9.5	15.5	669
18 Anemias (D50-D64)	44	1,426,293	3.1	4.2	665
19 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	35	1,426,293	2.5	3.8	306
20 Aortic aneurysm and dissection (I71)	40	1,426,293	2.8	4.4	298

Table 38. 20 Leading Rankable Causes of Death among American Indians: Oklahoma, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	2,012	1,563,294	128.7	218.4	7,962
2 Malignant neoplasms (C00-C97)	1,555	1,563,294	99.5	156.2	7,887
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	636	1,563,294	40.7	46.9	16,921
4 Diabetes mellitus (E10-E14)	628	1,563,294	40.2	64.0	2,719
5 Cerebrovascular diseases (I60-I69)	414	1,563,294	26.5	46.6	1,372
6 Chronic lower respiratory diseases (J40-J47)	288	1,563,294	18.4	31.6	640
7 Chronic liver disease and cirrhosis (K70,K73-K74)	253	1,563,294	16.2	21.6	2,938
8 Influenza and pneumonia (J10-J18)	185	1,563,294	11.8	21.0	1,032
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	183	1,563,294	11.7	19.1	910
10 Septicemia (A40-A41)	136	1,563,294	8.7	14.1	893
11 Intentional self-harm (suicide) (X60-X84,Y87.0)	135	1,563,294	8.6	9.4	3,804
12 Assault (homicide) (X85-Y09,Y87.1)	99	1,563,294	6.3	6.5	3,243
13 Atherosclerosis (I70)	72	1,563,294	4.6	8.4	78
14 Alzheimer's disease (G30)	68	1,563,294	4.3	8.6	.
15 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	62	1,563,294	4.0	7.1	156
16 Certain conditions originating in the perinatal period (P00-P96)	56	1,563,294	3.6	2.8	3,621
17 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	51	1,563,294	3.3	3.0	2,591
18 Pneumonitis due to solids and liquids (J69)	40	1,563,294	2.6	4.8	131
19 Human immunodeficiency virus (HIV) disease (B20-B24)	34	1,563,294	2.2	2.6	762
20 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	33	1,563,294	2.1	3.7	129

Table 39. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among American Indians: Oklahoma, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 U.S. population standard.)

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	636	1,563,294	40.7	46.9	16,921
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	2,012	1,563,294	128.7	218.4	7,962
3 Malignant neoplasms (C00-C97)	1,555	1,563,294	99.5	156.2	7,887
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	135	1,563,294	8.6	9.4	3,804
5 Certain conditions originating in the perinatal period (P00-P96)	56	1,563,294	3.6	2.8	3,621
6 Assault (homicide) (X85-Y09,Y87.1)	99	1,563,294	6.3	6.5	3,243
7 Chronic liver disease and cirrhosis (K70,K73-K74)	253	1,563,294	16.2	21.6	2,938
8 Diabetes mellitus (E10-E14)	628	1,563,294	40.2	64.0	2,719
9 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	51	1,563,294	3.3	3.0	2,591
10 Cerebrovascular diseases (I60-I69)	414	1,563,294	26.5	46.6	1,372
11 Influenza and pneumonia (J10-J18)	185	1,563,294	11.8	21.0	1,032
12 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	183	1,563,294	11.7	19.1	910
13 Septicemia (A40-A41)	136	1,563,294	8.7	14.1	893
14 Human immunodeficiency virus (HIV) disease (B20-B24)	34	1,563,294	2.2	2.6	762
15 Chronic lower respiratory diseases (J40-J47)	288	1,563,294	18.4	31.6	640
16 Viral hepatitis (B15-B19)	31	1,563,294	2	2.5	506
17 Acute bronchitis and bronchiolitis (J20-J21)	4	1,563,294	0.3	0.2	250
18 Legal intervention (Y35,Y89.0)	9	1,563,294	0.6	0.7	220
19 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	62	1,563,294	4	7.1	156
20 Pregnancy, childbirth and the puerperium (O00-O99)	4	1,563,294	0.3	0.2	151

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

Table 40. Number of deaths by the race of the decedent: Oklahoma and each County, 2003

County	Total	Race of decedent					Hispanic
		White	Black	Indian	Other	Unknown	
State	35,623	31,443	2,223	1,763	125	69	509
Adair	220	137	2	80	-	1	1
Alfalfa	88	88	-	-	-	-	-
Atoka	139	116	10	13	-	-	-
Beaver	59	58	.	1	-	-	1
Beckham	254	245	7	2	-	-	3
Blaine	138	114	8	15	1	-	-
Bryan	468	440	9	19	-	-	2
Caddo	367	305	7	54	-	1	6
Canadian	688	654	11	15	8	-	10
Carter	566	501	35	29	-	1	1
Cherokee	395	308	1	86	-	-	4
Choctaw	250	200	24	23	1	2	5
Cimarron	41	40	.	1	-	-	4
Cleveland	1,377	1,313	23	31	8	2	19
Coal	102	91	3	8	-	-	-
Comanche	900	724	115	52	9	-	26
Cotton	81	74	-	6	-	1	2
Craig	170	148	9	13	-	-	-
Creek	756	698	27	30	-	1	1
Custer	262	238	7	16	1	-	5
Delaware	494	412	3	74	1	4	-
Dewey	79	77	-	2	-	-	2
Ellis	70	70	-	-	-	-	-
Garfield	689	667	12	6	4	-	10
Garvin	368	352	7	9	-	-	1
Grady	492	469	19	4	-	-	9
Grant	65	65	-	-	-	-	1
Greer	89	89	-	-	-	-	2
Harmon	55	54	1	-	-	-	5
Harper	70	68	-	1	-	1	-
Haskell	157	151	3	3	-	-	2
Hughes	219	177	5	35	1	1	1
Jackson	287	259	22	4	1	1	12
Jefferson	109	108	-	1	-	-	1
Johnston	146	133	1	12	-	-	2
Kay	627	589	9	26	1	2	3
Kingfisher	146	142	-	4	-	-	-
Kiowa	175	166	4	5	-	-	3
Latimer	136	116	1	19	-	-	2
Leflore	540	492	18	28	1	1	1

Table 40. Number of deaths by the race of the decedent: Oklahoma and each County, 2003

County	Total	Race of decedent					Hispanic
		White	Black	Indian	Other	Unknown	
State	35,623	31,443	2,223	1,763	125	69	509
Lincoln	369	342	11	16	-	-	1
Logan	304	263	33	8	-	-	4
Love	98	94	2	2	-	-	3
McClain	265	256	1	8	-	-	1
McCurtain	409	330	38	37	2	2	2
McIntosh	284	248	8	28	-	-	-
Major	97	97	-	-	-	-	-
Marshall	163	153	2	8	-	-	2
Mayes	437	392	1	44	-	-	6
Murray	207	192	5	10	-	-	1
Muskogee	803	636	116	48	1	2	6
Noble	141	131	2	8	-	-	1
Nowata	116	101	2	13	-	-	3
Okfuskee	133	101	12	20	-	-	1
Oklahoma	6,442	5,430	797	152	55	8	164
Okmulgee	478	392	48	38	-	-	2
Osage	391	324	16	49	2	-	6
Ottawa	427	387	1	36	1	2	5
Pawnee	199	186	2	11	-	-	1
Payne	534	506	14	13	1	-	2
Pittsburg	515	465	21	28	-	1	6
Pontotoc	412	365	11	35	-	1	2
Pottawatomie	740	677	11	50	-	2	4
Pushmataha	172	154	1	17	-	-	1
Roger Mills	53	53	-	-	-	-	-
Rogers	618	564	6	48	-	-	5
Seminole	328	255	17	56	-	-	4
Sequoyah	387	358	5	24	-	-	3
Stephens	573	553	11	8	1	-	9
Texas	142	142	-	-	-	-	11
Tillman	137	114	21	1	-	1	9
Tulsa	5,375	4,630	561	157	21	6	82
Wagoner	434	383	27	22	2	-	1
Washington	611	560	15	36	-	-	11
Washita	153	150	1	2	-	-	1
Woods	112	111	-	-	1	-	-
Woodward	190	187	-	2	1	-	1
Unknown	40	13	1	1	-	25	1

Table 41. 10 Leading Rankable Causes of Death among Infants (< 1 year of age): Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Congenital malformations, deformations and chromosomal abnormalities(Q00-Q99)	419	249,395	168.0	27,235
2 Disorders related to short gestation and low birth weight, not elsewhere classified(P07)	251	249,395	100.6	16,315
3 Sudden infant death syndrome(R95)	163	249,395	65.4	10,595
4 Newborn affected by complications of placenta, cord and membranes(P02)	75	249,395	30.1	4,875
5 Diseases of the circulatory system(I00-I99)	71	249,395	28.5	4,615
6 Newborn affected by maternal complications of pregnancy(P01)	70	249,395	28.1	4,550
7 Respiratory distress of newborn(P22)	58	249,395	23.3	3770
8 Accidents (unintentional injuries)(V01-X59)	56	249,395	22.5	3640
9 Septicemia(A40-A41)	49	249,395	19.6	3185
10 Bacterial sepsis of newborn(P36)	33	249,395	13.2	2,145

Table 42. 10 Leading Rankable Causes of Death among residents age 1-4: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	146	948,993	15.4	9,157
2 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	44	948,993	4.6	2,784
3 Assault (homicide) (X85-Y09,Y87.1)	27	948,993	2.8	1,698
4 Malignant neoplasms (C00-C97)	24	948,993	2.5	1,499
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	12	948,993	1.3	752
6 Certain conditions originating in the perinatal period (P00-P96)	10	948,993	1.1	635
7 Septicemia (A40-A41)	9	948,993	0.9	569
8 Influenza and pneumonia (J10-J18)	7	948,993	0.7	444
9 Cerebrovascular diseases (I60-I69)	6	948,993	0.6	376
10 Acute bronchitis and bronchiolitis (J20-J21)	5	948,993	0.5	315

Table 43. 10 Leading Rankable Causes of Death among residents age 5-9: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	106	1,197,343	8.9	6,151
2 Malignant neoplasms (C00-C97)	31	1,197,343	2.6	1,798
3 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	1,197,343	1.1	751
4 Diseases of heart (I00-I09,I11,I13,I20-I51)	9	1,197,343	0.8	523
5 Assault (homicide) (X85-Y09,Y87.1)	6	1,197,343	0.5	347

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 44. 10 Leading Rankable Causes of Death among Residents age 10-14: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	125	1,252,216	10.0	6,591
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	30	1,252,216	2.4	1,564
3 Malignant neoplasms (C00-C97)	28	1,252,216	2.2	1,487
4 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	17	1,252,216	1.4	895
5 Assault (homicide) (X85-Y09,Y87.1)	12	1,252,216	1.0	629
6 Diseases of heart (I00-I09,I11,I13,I20-I51)	9	1,252,216	0.7	475
7 Chronic lower respiratory diseases (J40-J47)	7	1,252,216	0.6	375
8 Influenza and pneumonia (J10-J18)	6	1,252,216	0.5	320

Table 45. 10 Leading Rankable Causes of Residents among Children age 15-17: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	312	776,008	40.2	15,215
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	58	776,008	7.5	2,831
3 Assault (homicide) (X85-Y09,Y87.1)	35	776,008	4.5	1,705
4 Diseases of heart (I00-I09,I11,I13,I20-I51)	27	776,008	3.5	1,320
5 Malignant neoplasms (C00-C97)	22	776,008	2.8	1,079

Table 46. 10 Leading Rankable Causes of Death among Residents age 18-19: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	284	546,034	52.0	13,207
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	75	546,034	13.7	3,485
3 Assault (homicide) (X85-Y09,Y87.1)	54	546,034	9.9	2,510
4 Malignant neoplasms (C00-C97)	21	546,034	3.8	978
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	12	546,034	2.2	560
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	6	546,034	1.1	279

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 47. 10 Leading Rankable Causes of Death among residents age 20-24: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	574	1,300,495	44.1	24,743
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	215	1,300,495	16.5	9,265
3 Assault (homicide) (X85-Y09,Y87.1)	175	1,300,495	13.5	7,504
4 Malignant neoplasms (C00-C97)	54	1,300,495	4.2	2,308
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	43	1,300,495	3.3	1,845
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	1,300,495	1.0	569
7 Cerebrovascular diseases (I60-I69)	12	1,300,495	0.9	517
8 Diabetes mellitus (E10-E14)	11	1,300,495	0.8	472
8 Influenza and pneumonia (J10-J18)	11	1,300,495	0.8	477
10 Anemias (D50-D64)	8	1,300,495	0.6	349

Table 48. 10 Leading Rankable Causes of Death among residents age 25-29: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	436	1,147,051	38.0	16,601
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	218	1,147,051	19.0	8,268
3 Assault (homicide) (X85-Y09,Y87.1)	125	1,147,051	10.9	4,775
4 Malignant neoplasms (C00-C97)	114	1,147,051	9.9	4,310
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	58	1,147,051	5.1	2,183
6 Diabetes mellitus (E10-E14)	19	1,147,051	1.7	714
7 Human immunodeficiency virus (HIV) disease (B20-B24)	18	1,147,051	1.6	677
8 Cerebrovascular diseases (I60-I69)	16	1,147,051	1.4	604
9 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	12	1,147,051	1.0	454
10 Septicemia (A40-A41)	9	1,147,051	0.8	329
10 Pregnancy, childbirth and the puerperium (O00-O99)	9	1,147,051	0.8	335

Table 49. 10 Leading Rankable Causes of Death among Residents age 30-34: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	441	1,127,148	39.1	14,563
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	221	1,127,148	19.6	7,289
3 Malignant neoplasms (C00-C97)	166	1,127,148	14.7	5,456
4 Diseases of heart (I00-I09,I11,I13,I20-I51)	128	1,127,148	11.4	4,244
5 Assault (homicide) (X85-Y09,Y87.1)	110	1,127,148	9.8	3,616
6 Human immunodeficiency virus (HIV) disease (B20-B24)	68	1,127,148	6.0	2,231
7 Cerebrovascular diseases (I60-I69)	31	1,127,148	2.8	1,018
8 Diabetes mellitus (E10-E14)	26	1,127,148	2.3	851
9 Influenza and pneumonia (J10-J18)	16	1,127,148	1.4	532
10 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	16	1,127,148	1.4	530

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 50. 10 Leading Rankable Causes of Death among residents age 35-39: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	567	1,234,986	45.9	15,809
2 Malignant neoplasms (C00-C97)	342	1,234,986	27.7	9,483
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	338	1,234,986	27.4	9,341
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	260	1,234,986	21.1	7,227
5 Human immunodeficiency virus (HIV) disease (B20-B24)	102	1,234,986	8.3	2,837
6 Assault (homicide) (X85-Y09,Y87.1)	91	1,234,986	7.4	2,525
7 Cerebrovascular diseases (I60-I69)	66	1,234,986	5.3	1,818
8 Diabetes mellitus (E10-E14)	63	1,234,986	5.1	1,724
9 Chronic liver disease and cirrhosis (K70,K73-K74)	59	1,234,986	4.8	1,633
10 Influenza and pneumonia (J10-J18)	34	1,234,986	2.8	940

Table 51. 10 Leading Rankable Causes of Death among residents age 40-44: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	705	1,324,379	53.2	15,987
2 Malignant neoplasms (C00-C97)	676	1,324,379	51.0	15,418
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	635	1,324,379	47.9	14,568
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	262	1,324,379	19.8	6,039
5 Chronic liver disease and cirrhosis (K70,K73-K74)	141	1,324,379	10.6	3,210
6 Cerebrovascular diseases (I60-I69)	133	1,324,379	10.0	3,005
7 Diabetes mellitus (E10-E14)	122	1,324,379	9.2	2,800
8 Human immunodeficiency virus (HIV) disease (B20-B24)	109	1,324,379	8.2	2,508
9 Assault (homicide) (X85-Y09,Y87.1)	100	1,324,379	7.6	2,341
10 Viral hepatitis (B15-B19)	58	1,324,379	4.4	1,299

Table 52. 10 Leading Rankable Causes of Death among Residents age 45-49: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Malignant neoplasms (C00-C97)	1,228	1,235,702	99.4	21,990
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	1,189	1,235,702	96.2	21,237
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	562	1,235,702	45.5	10,181
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	261	1,235,702	21.1	4,710
5 Chronic liver disease and cirrhosis (K70,K73-K74)	243	1,235,702	19.7	4,354
6 Cerebrovascular diseases (I60-I69)	181	1,235,702	14.6	3,263
7 Diabetes mellitus (E10-E14)	167	1,235,702	13.5	2,947
8 Chronic lower respiratory diseases (J40-J47)	99	1,235,702	8.0	1,726
9 Viral hepatitis (B15-B19)	94	1,235,702	7.6	1,707
10 Human immunodeficiency virus (HIV) disease (B20-B24)	77	1,235,702	6.2	1,410

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 53. 10 Leading Rankable Causes of Death among residents age 50-54: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Malignant neoplasms (C00-C97)	1,888	1,092,917	172.7	24,201
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	1,769	1,092,917	161.9	22,601
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	408	1,092,917	37.3	5,340
4 Chronic liver disease and cirrhosis (K70,K73-K74)	303	1,092,917	27.7	3,972
5 Diabetes mellitus (E10-E14)	270	1,092,917	24.7	3,403
6 Cerebrovascular diseases (I60-I69)	247	1,092,917	22.6	3,164
7 Chronic lower respiratory diseases (J40-J47)	187	1,092,917	17.1	2,386
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	178	1,092,917	16.3	2,353
9 Influenza and pneumonia (J10-J18)	76	1,092,917	7.0	987
10 Viral hepatitis (B15-B19)	75	1,092,917	6.9	959

Table 54. 10 Leading Rankable Causes of Death among residents age 55-59: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Malignant neoplasms (C00-C97)	2,823	903,936	312.3	22,257
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	2,450	903,936	271.0	19,294
3 Chronic lower respiratory diseases (J40-J47)	379	903,936	41.9	2,911
4 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	363	903,936	40.2	2,942
5 Cerebrovascular diseases (I60-I69)	313	903,936	34.6	2,456
6 Diabetes mellitus (E10-E14)	294	903,936	32.5	2,319
7 Chronic liver disease and cirrhosis (K70,K73-K74)	211	903,936	23.3	1,701
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	138	903,936	15.3	1,119
9 Influenza and pneumonia (J10-J18)	105	903,936	11.6	833
10 Septicemia (A40-A41)	96	903,936	10.6	754

Table 55. 10 Leading Rankable Causes of Death among Residents age 60-64: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Malignant neoplasms (C00-C97)	3,636	738,722	492.2	10,500
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	3,150	738,722	426.4	9,228
3 Chronic lower respiratory diseases (J40-J47)	718	738,722	97.2	2,082
4 Cerebrovascular diseases (I60-I69)	402	738,722	54.4	1,150
5 Diabetes mellitus (E10-E14)	393	738,722	53.2	1,160
6 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	285	738,722	38.6	886
7 Chronic liver disease and cirrhosis (K70,K73-K74)	189	738,722	25.6	564
8 Influenza and pneumonia (J10-J18)	130	738,722	17.6	355
9 Septicemia (A40-A41)	129	738,722	17.5	392
10 Intentional self-harm (suicide) (X60-X84,Y87.0)	102	738,722	13.8	327

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 56. 10 Leading Rankable Causes of Death among residents age 65-69: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Malignant neoplasms (C00-C97)	4,514	645,951	698.8	-
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	3,973	645,951	615.1	-
3 Chronic lower respiratory diseases (J40-J47)	1,146	645,951	177.4	-
4 Cerebrovascular diseases (I60-I69)	656	645,951	101.6	-
5 Diabetes mellitus (E10-E14)	515	645,951	79.7	-
6 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	291	645,951	45.0	-
7 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	197	645,951	30.5	-
8 Chronic liver disease and cirrhosis (K70,K73-K74)	190	645,951	29.4	-
9 Influenza and pneumonia (J10-J18)	186	645,951	28.8	-
10 Septicemia (A40-A41)	181	645,951	28.0	-

Table 57. 10 Leading Rankable Causes of Death among residents age 70-74: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,510	563,427	977.9	-
2 Malignant neoplasms (C00-C97)	5,491	563,427	974.6	-
3 Chronic lower respiratory diseases (J40-J47)	1,602	563,427	284.3	-
4 Cerebrovascular diseases (I60-I69)	1,041	563,427	184.8	-
5 Diabetes mellitus (E10-E14)	647	563,427	114.8	-
6 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	389	563,427	69.0	-
7 Influenza and pneumonia (J10-J18)	319	563,427	56.6	-
8 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	239	563,427	42.4	-
9 Septicemia (A40-A41)	223	563,427	39.6	-
10 Alzheimer's disease (G30)	187	563,427	33.2	-

Table 58. 10 Leading Rankable Causes of Death among Residents age 75-79: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	7,519	469,974	1599.9	-
2 Malignant neoplasms (C00-C97)	5,908	469,974	1257.1	-
3 Chronic lower respiratory diseases (J40-J47)	1,956	469,974	416.2	-
4 Cerebrovascular diseases (I60-I69)	1,812	469,974	385.6	-
5 Diabetes mellitus (E10-E14)	812	469,974	172.8	-
6 Influenza and pneumonia (J10-J18)	555	469,974	118.1	-
7 Alzheimer's disease (G30)	442	469,974	94.0	-
8 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	440	469,974	93.6	-
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	403	469,974	85.7	-
10 Septicemia (A40-A41)	300	469,974	63.8	-

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 59. 10 Leading Rankable Causes of Death among residents age 80-84: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	8,873	321,459	2760.2	-
2 Malignant neoplasms (C00-C97)	4,678	321,459	1455.2	-
3 Cerebrovascular diseases (I60-I69)	2,294	321,459	713.6	-
4 Chronic lower respiratory diseases (J40-J47)	1,685	321,459	524.2	-
5 Influenza and pneumonia (J10-J18)	800	321,459	248.9	-
6 Alzheimer's disease (G30)	773	321,459	240.5	-
7 Diabetes mellitus (E10-E14)	761	321,459	236.7	-
8 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	470	321,459	146.2	-
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	424	321,459	131.9	-
10 Atherosclerosis (I70)	373	321,459	116.0	-

Table 60. 10 Leading Rankable Causes of Death among residents age 85+: Oklahoma, 1999-2003

<i>ICD-10 Rankable Causes of Death</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>YPLL Before the Age of 65</i>
1 Diseases of heart (I00-I09,I11,I13,I20-I51)	19,254	287,975	6686.0	-
2 Cerebrovascular diseases (I60-I69)	4,919	287,975	1708.1	-
3 Malignant neoplasms (C00-C97)	4,913	287,975	1706.1	-
4 Influenza and pneumonia (J10-J18)	2,269	287,975	787.9	-
5 Alzheimer's disease (G30)	1,863	287,975	646.9	-
6 Chronic lower respiratory diseases (J40-J47)	1,810	287,975	628.5	-
7 Atherosclerosis (I70)	1,072	287,975	372.3	-
8 Diabetes mellitus (E10-E14)	983	287,975	341.3	-
9 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	964	287,975	334.8	-
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	923	287,975	320.5	-

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 61. Number of deaths by the age of the decedent: Oklahoma and each County, 2003

(All rates are per 100,000 population. Age-adjusted rates based on 2000 State population standard.)

County	Total	Age of decedent											Unk	Crude Rate	Age-Adj Rate
		< 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years			
State	35,623	395	93	101	483	633	1,287	2,576	4,068	6,346	10,002	9,618	21	1,014.5	1,005.8
Adair	220	2	-	1	5	2	5	26	31	44	53	50	1	1,017.9	1,121.1
Alfalfa	88	-	-	1	-	2	1	3	10	11	30	30	-	1,489.0	944.7
Atoka	139	2	-	-	1	1	4	7	24	28	44	28	-	982.9	976.9
Beaver	59	-	-	-	1	2	-	5	5	14	11	21	-	1,057.0	803.9
Beckham	254	-	1	-	2	3	12	8	21	52	75	80	-	1,276.8	1,077.6
Blaine	138	1	-	1	1	3	5	6	10	32	29	49	1	1,181.7	933.2
Bryan	468	1	1	-	4	8	21	26	53	89	138	126	1	1,254.5	1,096.5
Caddo	367	5	1	1	5	6	13	28	45	65	100	98	-	1,220.5	1,109.7
Canadian	688	9	3	3	5	6	18	59	83	155	169	178	-	740.5	933.5
Carter	566	2	3	1	7	14	15	37	72	92	165	157	1	1,219.9	1,031.5
Cherokee	395	5	1	1	5	5	18	33	52	72	95	108	-	902.2	1,010.3
Choctaw	250	2	-	2	6	4	11	19	38	46	63	59	-	1,620.1	1,305.2
Cimarron	41	-	-	-	-	2	1	2	-	6	13	17	-	1,384.7	924.0
Cleveland	1,377	17	5	3	37	21	56	140	172	235	364	327	-	626.0	885.9
Coal	102	-	-	-	1	1	3	9	11	20	26	31	-	1,715.4	1,389.1
Comanche	900	13	2	3	17	21	28	61	111	193	252	199	-	790.2	1,017.1
Cotton	81	-	-	-	1	1	2	2	8	14	17	36	-	1,230.6	914.7
Craig	170	1	-	1	.	2	6	8	23	29	57	43	-	1,142.5	934.3
Creek	756	6	1	3	10	10	27	60	102	141	222	173	1	1,098.9	1,097.7
Custer	262	-	2	-	4	4	6	17	30	41	63	95	-	1,049.6	962.2
Delaware	494	4	-	-	8	4	11	37	72	93	141	123	1	1,276.2	1,055.2
Dewey	79	1	1	-	1	2	-	1	10	10	22	31	-	1,736.6	1,087.2
Ellis	70	-	-	-	-	1	1	1	8	11	24	24	-	1,751.8	1,028.2
Garfield	689	6	3	1	6	6	21	45	54	97	220	230	-	1,206.5	976.1
Garvin	368	2	-	1	5	8	14	19	27	64	112	116	-	1,352.0	1,020.9
Grady	492	5	1	2	8	11	19	29	58	105	116	138	-	1,037.1	1,040.2
Grant	65	-	-	-	1	-	2	2	4	13	19	24	-	1,307.1	852.6
Greer	89	-	-	-	1	-	2	6	8	17	25	30	-	1,511.5	996.6
Harmon	55	2	-	-	-	-	2	1	5	2	13	30	-	1,801.5	1,146.9
Harper	70	-	2	-	-	1	2	1	4	19	16	25	-	2,060.0	1,319.9
Haskell	157	1	-	1	3	3	3	12	13	23	52	46	-	1,303.6	1,069.8
Hughes	219	-	1	1	4	5	5	17	21	34	56	75	-	1,575.8	1,192.4
Jackson	287	5	1	.	2	6	9	24	31	49	77	82	1	1,049.8	1,111.2
Jefferson	109	-	-	-	-	1	4	5	13	15	37	33	1	1,667.9	1,137.6
Johnston	146	-	-	-	-	3	5	12	23	30	37	36	-	1,387.6	1,205.5
Kay	627	1	3	-	5	9	16	35	59	115	191	193	-	1,326.7	1,035.4
Kingfisher	146	2	-	-	1	.	2	6	18	36	40	41	-	1,037.5	896.3
Kiowa	175	1	-	-	1	4	4	12	16	29	49	59	-	1,754.0	1,203.7
Latimer	136	3	-	-	2	2	4	9	15	25	47	29	-	1,286.1	1,103.4
Leflore	540	7	-	1	3	13	22	42	68	87	145	152	-	1,104.4	1,067.8

Table 61. Number of deaths by the age of the decedent: Oklahoma and each County, 2003

(All rates are per 100,000 population. Age-adjusted rates based on 2000 State population standard.)

County	Total	Age of decedent											Unk	Crude Rate	Age-Adj Rate
		< 1 year	1-4 years	5-14 years	15-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years			
State	35,623	395	93	101	483	633	1,287	2,576	4,068	6,346	10,002	9,618	21	1,014.5	1,005.8
Lincoln	369	6	-	1	3	3	16	36	47	68	100	89	-	1,143.8	1,082.0
Logan	304	2	-	2	3	5	8	17	36	51	88	92	-	858.3	936.1
Love	98	1	1	-	1	3	6	7	9	20	20	30	-	1,100.5	924.0
McClain	265	5	-	1	1	4	7	16	35	47	80	69	-	926.7	1,005.7
McCurtain	409	4	1	2	5	6	17	22	54	94	112	91	1	1,202.7	1,161.4
McIntosh	284	2	1	-	-	2	9	20	38	61	67	84	-	1,439.1	1,007.3
Major	97	1	-	-	-	1	.	3	10	14	30	38	-	1,306.9	849.0
Marshall	163	1	-	1	2	2	4	10	15	31	56	41	-	1,194.0	929.7
Mayes	437	4	2	-	6	7	22	29	54	76	128	109	-	1,124.3	1,037.7
Murray	207	1	1	-	3	-	8	15	20	41	70	48	-	1,627.6	1,248.4
Muskogee	803	6	2	1	11	11	32	63	86	133	234	224	-	1,143.0	991.1
Noble	141	1	-	-	1	2	8	6	20	24	39	40	-	1,253.2	1,097.7
Nowata	116	-	-	2	5	2	2	8	9	25	28	35	-	1,070.5	886.7
Okfuskee	133	-	-	-	2	5	5	14	16	25	37	29	-	1,138.8	968.0
Oklahoma	6,442	107	22	18	81	131	255	522	727	1,127	1,800	1,650	2	952.9	1,010.0
Okmulgee	478	3	-	2	4	12	18	30	63	92	125	129	-	1,204.6	1,079.9
Osage	391	4	1	2	5	3	15	33	54	72	110	92	-	864.1	839.0
Ottawa	427	3	2	1	5	11	11	24	43	69	156	102	-	1,303.4	1,074.9
Pawnee	199	1	-	1	2	7	6	19	20	47	37	59	-	1,185.3	1,071.9
Payne	534	9	1	1	4	8	15	27	65	65	164	174	1	751.5	857.2
Pittsburg	515	2	1	-	5	12	21	27	69	100	141	137	-	1,166.0	936.1
Pontotoc	412	6	-	1	6	5	21	22	44	86	106	115	-	1,171.3	1,064.7
Pottawatomie	740	10	2	2	11	13	31	50	81	132	218	189	1	1,098.8	1,093.2
Pushmataha	172	1	1	-	1	7	6	13	21	32	47	43	-	1,463.8	1,185.3
Roger Mills	53	-	1	-	3	2	-	2	6	8	11	20	-	1,655.7	1,132.7
Rogers	618	3	2	3	8	4	15	49	83	90	179	182	-	800.6	944.5
Seminole	328	7	.	1	5	9	9	32	39	60	85	81	-	1,339.4	1,137.9
Sequoyah	387	4	2	2	6	6	18	36	37	86	99	90	1	968.0	963.1
Stephens	573	3	3	3	6	5	12	27	59	103	171	181	-	1,349.1	1,070.4
Texas	142	2	1	1	4	1	6	9	14	21	29	54	-	712.3	886.9
Tillman	137	1	-	1	3	2	4	12	14	22	39	39	-	1,550.7	1,125.2
Tulsa	5,375	70	11	21	97	123	225	410	576	926	1,524	1,389	3	942.5	1,020.1
Wagoner	434	5	1	2	9	4	17	29	65	86	124	91	1	702.0	875.4
Washington	611	8	-	1	3	6	14	41	65	92	182	198	1	1,243.9	947.3
Washita	153	1	-	-	3	1	2	4	16	19	45	61	1	1,360.4	952.8
Woods	112	-	-	-	2	2	1	3	7	15	41	41	-	1,291.8	834.2
Woodward	190	1	2	-	2	4	14	15	18	31	51	52	-	1,029.2	909.4
Unknown	40	4	-	-	2	5	7	2	5	2	4	8	1	-	-

-Denote no events in that category

Table 62. Number of infant deaths by cause of death: Oklahoma, 2003

<i>Cause of death by ICD-10 Code</i>	<i>Total</i>
All deaths	395
Certain Infectious & Parasitic Disease (A00-B99)	5
Septicemia(A40-A41)	2
Other and unspecified viral diseases(A81-B00,B02-B04,B06-B19,B25,B27-B34)	2
Candidiasis(B37)	1
Neoplasms (C00-D48)	4
Leukemia(C91-C95)	1
Other and unspecified malignant neoplasms(C00-C80,C88,C90,C96-C97)	1
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior(D00-D48)	2
Diseases of the Blood & Blood-Forming Organs & Certain Disorders Involving the Immune Mechanism (D50-D89)	1
Hemorrhagic conditions and other diseases of blood and blood-forming organs(D65-D76)	1
Endocrine, Nutritional, & Metabolic Diseases (E00-E88)	5
Volume depletion, disorders of fluid, electrolyte and acid-base balance(E86-E87)	2
All other endocrine, nutritional and metabolic diseases(E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	3
Diseases of the Nervous System (G00-G98)	5
Other diseases of nervous system(G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)	5
Diseases of the Circulatory System (I00-I99)	5
Cardiac arrest(I46)	1
Cerebrovascular diseases(I60-I69)	1
All other diseases of circulatory system(I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)	3
Diseases of the Respiratory System (J00-J98)	19
Influenza(J10-J11)	1
Pneumonia(J12-J18)	8
Acute bronchitis and acute bronchiolitis(J20-J21)	3
Bronchitis, chronic and unspecified(J40-J42)	2
Other and unspecified diseases of respiratory system(J22,J30-J39,J43-J44,J47-J68,J70-J98)	5
Diseases of the Digestive System (K00-K92)	9
Gastritis, duodenitis, and noninfective enteritis and colitis(K29,K50-K55)	5
Hernia of abdominal cavity and intestinal obstruction without hernia(K40-K46,K56)	2
All other and unspecified diseases of digestive system(K00-K28,K30-K38,K57-K92)	2
Disease of the Genitourinary System (N00-N98)	7
Renal failure and other disorders of kidney(N17-N19,N25,N27)	7
Certain Conditions Originating in the Perinatal Period (P00-P96)	144
Newborn affected by other maternal conditions which may be unrelated to present pregnancy(P00.1-P00.9)	1
Newborn affected by incompetent cervix(P01.0)	2
Newborn affected by premature rupture of membranes(P01.1)	6
Newborn affected by multiple pregnancy(P01.5)	1
Newborn affected by other maternal complications of pregnancy(P01.2-P01.4,P01.6-P01.9)	5
Newborn affected by complications involving placenta(P02.0-P02.3)	8
Newborn affected by chorioamnionitis(P02.7)	5
Newborn affected by other complications of labor and delivery(P03)	1
Newborn affected by noxious influences transmitted via placenta or breast milk(P04)	1
Extremely low birth weight or extreme immaturity(P07.0,P07.2)	40
Other low birth weight or preterm(P07.1,P07.3)	6
Intrauterine hypoxia(P20)	3
Birth asphyxia(P21)	2

Table 62. Number of infant deaths by cause of death: Oklahoma, 2003

<i>Cause of death by ICD-10 Code</i>	<i>Total</i>
All deaths	395
Certain Conditions Originating in the Perinatal Period (P00-P96) Continued	
Respiratory distress of newborn(P22)	7
Congenital pneumonia(P23)	2
Interstitial emphysema and related conditions originating in the perinatal period(P25)	3
Pulmonary hemorrhage originating in the perinatal period(P26)	2
Chronic respiratory disease originating in the perinatal period(P27)	3
Atelectasis(P28.0-P28.1)	3
All other respiratory conditions originating in the perinatal period(P28.2-P28.9)	1
Bacterial sepsis of newborn(P36)	10
Neonatal hemorrhage(P50-P52,P54)	9
Necrotizing enterocolitis of newborn(P77)	2
Hydrops fetalis not due to hemolytic disease(P83.2)	3
Other perinatal conditions(P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)	18
Congenital Malformations, Deformations, & Chromosomal Abnormalities (Q00-Q99)	84
Anencephaly and similar malformations(Q00)	5
Congenital hydrocephalus(Q03)	2
Other congenital malformations of nervous system(Q01-Q02,Q04,Q06-Q07)	4
Congenital malformations of heart(Q20-Q24)	31
Other congenital malformations of circulatory system(Q25-Q28)	2
Congenital malformations of respiratory system(Q30-Q34)	8
Congenital malformations of genitourinary system(Q50-Q64)	4
Congenital malformations and deformations of musculoskeletal system, limbs and integument(Q65-Q85)	7
Down s syndrome(Q90)	1
Edward s syndrome(Q91.0-Q91.3)	9
Patau s syndrome(Q91.4-Q91.7)	5
Other congenital malformations and deformations(Q10-Q18,Q86-Q89)	6
Symptoms, Signs, & Abnormal Clinical & Laboratory Findings,	89
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	50
Sudden infant death syndrome(R95)	38
Unknown cause	1
External Causes of Morbidity & Mortality (V01-Y89)	18
Motor vehicle accidents(V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5, V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)	2
Accidental drowning and submersion(W65-W74)	1
Accidental suffocation and strangulation in bed(W75)	2
Other accidental suffocation and strangulation(W76-W77,W81-W84)	1
Accidents caused by exposure to smoke, fire and flames(X00-X09)	1
Accidental poisoning and exposure to noxious substances(X40-X49)	1
Other and unspecified accidents(W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)	1
Neglect, abandonment and other maltreatment syndromes(Y06-Y07)	2
Assault (homicide) by other and unspecified means(X85-X90,X92,X96-Y05,Y08-Y09)	4
Complications of medical and surgical care(Y40-Y84)	1
Other external causes(X60-X84,Y10-Y36)	2

Table 63. Infant, neonatal, post-neonatal, fetal, and perinatal mortality: Oklahoma and each County, 1999-2003

NOTE: See definitions for explanation of rates.

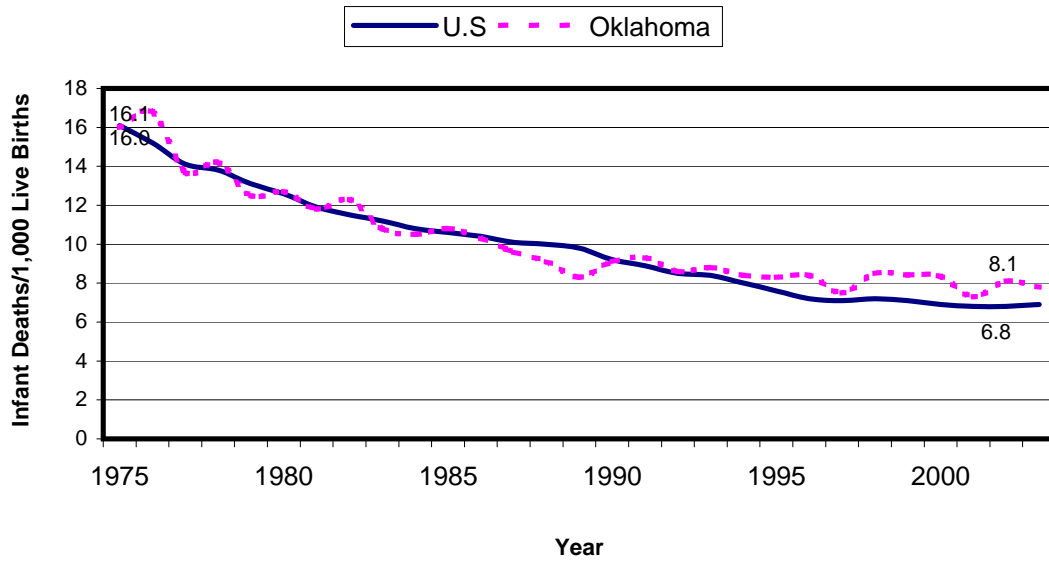
County	Infant		Neonatal		Post-Neonatal		Fetal		Perinatal	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State	1,994	8.0	1,178	4.7	816	3.3	1,587	6.4	2,765	11.1
Adair	18	10.1	13	7.3	5	2.8	6	3.4	19	10.6
Alfalfa	-	-	-	-	-	-	1	4.9	1	4.9
Atoka	9	11.0	4	4.9	5	6.1	4	4.9	8	9.8
Beaver	-	-	-	-	-	-	-	-	-	-
Beckham	8	5.8	6	4.4	2	1.5	10	7.3	16	11.7
Blaine	6	8.7	3	4.3	3	4.3	7	10.1	10	14.5
Bryan	12	4.8	4	1.6	8	3.2	7	2.8	11	4.4
Caddo	23	10.8	12	5.6	11	5.2	14	6.6	26	12.2
Canadian	43	7.6	24	4.3	19	3.4	34	6.0	58	10.3
Carter	15	4.6	10	3.0	5	1.5	25	7.6	35	10.7
Cherokee	18	5.9	9	3.0	9	3.0	23	7.6	32	10.6
Choctaw	11	10.2	4	3.7	7	6.5	5	4.6	9	8.3
Cimarron	1	6.1	-	-	1	6.1	-	-	-	-
Cleveland	80	6.4	47	3.8	33	2.6	56	4.5	103	8.2
Coal	6	15.8	2	5.3	4	10.6	7	18.5	9	23.7
Comanche	70	7.3	43	4.5	27	2.8	48	5.0	91	9.5
Cotton	2	5.5	2.0	5.5	.	-	3	8.3	5	13.8
Craig	8	8.1	6	6.1	2.0	2.0	8	8.1	14	14.2
Creek	34	7.7	20	4.5	14	3.2	25	5.6	45	10.1
Custer	9	5.1	6	3.4	3	1.7	7	3.9	13	7.3
Delaware	12	5.6	5	2.3	7	3.2	7	3.2	12	5.6
Dewey	3	11.8	1	3.9	2	7.8	2	7.8	3	11.8
Ellis	1	4.6	1	4.6	.	-	2	9.2	3	13.8
Garfield	43	10.2	29	6.9	14	3.3	36	8.5	65	15.4
Garvin	12	6.6	7	3.9	5	2.8	15	8.3	22	12.1
Grady	19	6.4	13	4.4	6	2.0	25	8.5	38	12.9
Grant	2	8.4	-	-	2	8.4	-	-	-	-
Greer	1	3.2	-	-	1.0	3.2	2	6.3	2	6.3
Harmon	3	16.4	2.0	10.9	1	5.5	2	10.9	4	21.9
Harper	2	11.0	1.0	5.5	1.0	5.5	1	5.5	2	11.0
Haskell	8	9.7	3	3.6	5	6.1	3	3.6	6	7.3
Hughes	11	13.2	6	7.2	5	6.0	5	6.0	11	13.2
Jackson	14	6.0	9	3.9	5	2.2	11	4.7	20	8.6
Jefferson	2	5.2	-	-	2	5.2	1	2.6	1	2.6
Johnston	2	3.3	1	1.7	1	1.7	4	6.6	5	8.3
Kay	23	6.6	15	4.3	8	2.3	26	7.4	41	11.7
Kingfisher	5	5.3	2	2.1	3	3.2	9	9.5	11	11.7
Kiowa	13	20.5	8	12.6	5	7.9	3	4.7	11	17.4
Latimer	6	9.8	4	6.5	2.0	3.3	2	3.3	6	9.8
Leflore	28	8.0	14	4.0	14	4.0	10	2.9	24	6.9

Table 63. Infant, neonatal, post-neonatal, fetal, and perinatal mortality: Oklahoma and each County, 1999-2003

NOTE: See definitions for explanation of rates.

County	Infant		Neonatal		Post-Neonatal		Fetal		Perinatal	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State	1,994	8.0	1,178	4.7	816	3.3	1,587	6.4	2,765	11.1
Lincoln	17	8.8	10	5.2	7	3.6	16	8.3	26	13.5
Logan	14	7.2	5	2.6	9	4.6	9	4.6	14	7.2
Love	4	7.6	1	1.9	3	5.7	4	7.6	5	9.5
McClain	21	11.1	15	7.9	6	3.2	11	5.8	26	13.7
McCurtain	16	6.4	8	3.2	8	3.2	16	6.4	24	9.5
McIntosh	12	10.9	8	7.3	4	3.6	4	3.6	12	10.9
Major	6	16.1	3.0	8.0	3	8.0	1	2.7	4	10.7
Marshall	5	5.9	3	3.5	2	2.4	7	8.2	10	11.8
Mayer	19	7.3	8	3.1	11	4.2	18	6.9	26	9.9
Murray	6	7.5	3	3.8	3	3.8	6	7.5	9	11.3
Muskogee	31	6.2	10	2.0	21	4.2	35	7.0	45	9.1
Noble	2	2.8	1	1.4	1	1.4	7	9.6	8	11.0
Nowata	3	4.7	2	3.1	1.0	1.6	6	9.3	8	12.4
Okfuskee	5	6.9	4	5.5	1.0	1.4	6	8.2	10	13.7
Oklahoma	520	9.3	328	5.9	192	3.4	382	6.8	710	12.7
Okmulgee	27	10.2	14	5.3	13	4.9	29	11.0	43	16.2
Osage	15	6.5	11	4.8	4	1.7	10	4.3	21	9.1
Ottawa	16	7.4	6	2.8	10	4.6	9	4.2	15	6.9
Pawnee	4	3.9	2	2.0	2	2.0	3	2.9	5	4.9
Payne	25	6.0	11	2.6	14	3.4	21	5.1	32	7.7
Pittsburg	26	10.3	15	6.0	11	4.4	18	7.2	33	13.1
Pontotoc	23	9.4	16	6.5	7	2.9	15	6.1	31	12.6
Pottawatomie	42	9.3	20	4.4	22	4.9	29	6.4	49	10.8
Pushmataha	9	13.2	5	7.4	4	5.9	5	7.4	10	14.7
Roger Mills	1	4.7	1	4.7	.	-	0.0	0.0	1	4.7
Rogers	23	5.0	11	2.4	12	2.6	25	5.4	36	7.8
Seminole	23	12.2	13	6.9	10	5.3	12	6.4	25	13.3
Sequoyah	22	8.7	12	4.7	10	4.0	3	1.2	15	5.9
Stephens	17	6.6	6	2.3	11	4.3	13	5.0	19	7.3
Texas	12	6.3	8	4.2	4	2.1	13	6.8	21	10.9
Tillman	7	12.4	4	7.1	3	5.3	2	3.5	6	10.6
Tulsa	366	7.9	234	5.0	132	2.8	240	5.2	474	10.2
Wagoner	30	8.2	20	5.5	10	2.7	13	3.6	33	9.0
Washington	19	6.5	10	3.4	9	3.1	13	4.4	23	7.8
Washita	5	7.6	2.0	3.0	3	4.6	6	9.1	8	12.2
Woods	3	7.0	2	4.6	1.0	2.3	2	4.6	4	9.3
Woodward	8	6.1	6	4.6	2	1.5	7	5.4	13	10.0
Unknown	7	-	4	-	3.0	-	115	-	119	-

**Figure 9. Infant Mortality Rate
United States and Oklahoma, 1975-2003**



**Figure 10. Race-Specific Infant Mortality Rates
Oklahoma, 1975-2003**

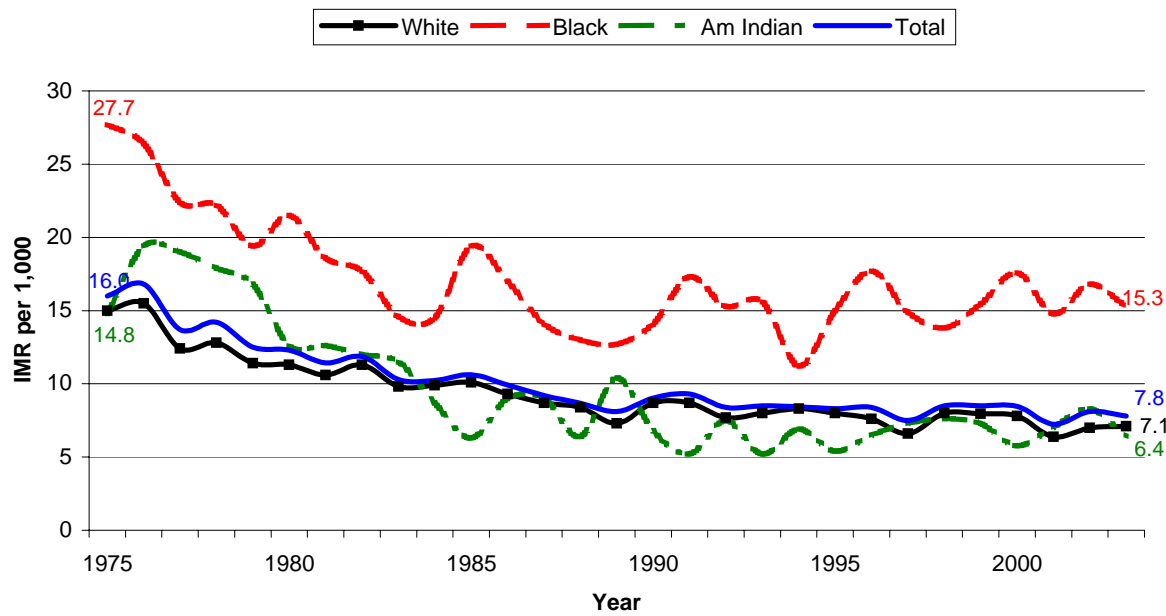


Table 64. Race-specific infant deaths and infant mortality rates: Oklahoma, 1975-2003

(Infant mortality rates are infant deaths per 1,000 live births for specified racial group.)

Year	Number of infant deaths				Infant mortality rate			
	White	Black	American Indian	Total ¹	White	Black	American Indian	Total ¹
1975	537	113	38	690	15.0	27.7	14.8	16.0
1976	561	111	53	732	15.5	26.4	19.4	16.8
1977	472	93	52	624	12.4	22.4	19.0	13.7
1978	487	99	53	653	12.8	22.2	17.9	14.2
1979	459	94	54	611	11.4	19.4	16.8	12.5
1980	485	107	43	640	11.3	21.5	12.6	12.3
1981	471	90	45	613	10.6	18.6	12.6	11.4
1982	552	89	48	697	11.3	17.7	12.0	11.9
1983	461	74	45	585	9.8	14.6	11.5	10.3
1984	444	72	32	555	9.9	14.5	8.7	10.2
1985	441	96	23	564	10.1	19.4	6.3	10.6
1986	382	84	33	501	9.3	17.0	9.0	9.9
1987	335	67	33	439	8.7	14.1	9.0	9.2
1988	317	63	26	410	8.4	13.0	6.4	8.7
1989	274	64	42	383	7.3	12.7	10.4	8.1
1990	327	71	28	430	8.7	14.1	6.8	9.0
1991	325	89	23	445	8.7	17.3	5.2	9.3
1992	285	79	33	399	7.7	15.3	7.5	8.4
1993	288	77	23	392	8.0	15.6	5.2	8.5
1994	296	53	30	385	8.3	11.2	6.9	8.4
1995	284	67	23	377	8.0	15.0	5.4	8.3
1996	276	79	28	388	7.6	17.7	6.5	8.4
1997	250	70	34	358	6.6	14.9	7.3	7.5
1998	308	66	37	420	8.0	13.8	7.6	8.5
1999	302	71	35	411	8.0	15.4	7.3	8.5
2000	300	84	30	420	7.8	17.6	5.8	8.4
2001	249	68	37	362	6.4	14.8	7.0	7.2
2002	274	79	43	406	7.0	16.8	8.3	8.1
2003	280	70	34	395	7.1	15.3	6.4	7.8

¹Includes unknown race and races other than White, Black, and American Indian.

Table 65. Number of child deaths by cause of death and age of decedent: Oklahoma, 2003

<i>Cause of death by ICD-10 Code</i>	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>Total</i>
All deaths	93	42	59	96	108	398
Certain Infectious & Parasitic Disease (A00-B99)	4	2	0	0	3	9
Meningococcal infection (A39)	-	-	-	-	1	1
Septicemia (A40-A41)	3	1	-	-	-	4
Viral hepatitis (B15-B19)	-	-	-	-	1	1
Other and unspecified infectious and parasitic diseases and their sequelae (A00,A05,A20-A36, A42-A44,A48-A49,A54-A79,A81-A82,A85.0-A85.1,A85.8,A86-B04,B06-B09,B25-B49,B55-B99)	1	1	-	-	1	3
Neoplasms (C00-D48)	7	8	4	5	7	31
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	-	-	1	-	-1	1
Malignant neoplasms of kidney and renal pelvis (C64-C65)	1	-	-	-	-1	1
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	2	2	2	-	3	9
Hodgkin's disease (C81)	-	-	-	1	-1	1
Non-Hodgkin's lymphoma (C82-C85)	-	1	-	1	1	3
Leukemia (C91-C95)	3	3	1	1	1	9
All other and unspecified malignant neoplasms (C17,C23-C24,C26-C31,C37-C41,C44-C49, C51-C52,C57-C60,C62-C63,C66,C68-C69,C73-C80,C97)	-	2	-	1	2	5
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	1	-	-	1	-	2
Diseases of the Blood & Blood-Forming Organs & Certain Disorders Involving the Immune Mechanism (D50-D89)	0	0	1	1	0	2
Anemias (D50-D64)	-	-	1	1	-	2
Diseases of the Nervous System (G00-G98)	0	0	0	1	0	1
Meningitis (G00,G03)	-	-	-	1	-	1
Diseases of the Circulatory System (I00-I99)	4	4	2	6	3	19
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	-	-	-	-	1	1
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	-	-	-	2	-	2
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	-	-	-	3	2	5
Diseases of pericardium and acute myocarditis (I30-I31,I40)	1	-	-	-	-	1
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	1	4	1	-	-	6
Cerebrovascular diseases (I60-I69)	2	-	1	1	-	4
Diseases of the Respiratory System (J00-J98)	5	0	2	3	0	10
Influenza (J10-J11)	2	-	1	-	-	3
Pneumonia (J12-J18)	1	-	-	2	-	3
Acute bronchitis and bronchiolitis (J20-J21)	2	-	-	-	-	2
Asthma (J45-J46)	-	-	1	1	-	2
Diseases of the Digestive System (K00-K92)	0	0	1	1	0	2
Diseases of appendix (K35-K38)	-	-	-	1	-	1
Hernia (K40-K46)	-	-	1	-	-	1
Disease of the Genitourinary System (N00-N98)	0	0	1	0	1	2
Renal failure (N17-N19)	-	-	1	-	1	2
Pregnancy, Childbirth and the puerperium (000-O99)	0	0	0	0	1	1
Other complications of pregnancy, childbirth and the puerperium (O10-O99)	-	-	-	-	1	1
Certain Conditions Originating in the Perinatal Period (P00-P96)	3	0	0	0	0	3
Certain conditions originating in the perinatal period (P00-P96)	3	-	-	-	-	3
Congenital Malformations, Deformations, & Chromosomal Abnormalities (Q00-Q99)	12	4	4	0	1	21

-Denote no events in that category

Table 65. Number of child deaths by cause of death and age of decedent: Oklahoma, 2003

<i>Cause of death by ICD-10 Code</i>	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>Total</i>
All deaths	93	42	59	96	108	398
Symptoms, Signs, & Abnormal Clinical & Laboratory Findings, Not Elsewhere Classified (R00-R99)	16	8	10	10	7	51
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	2	1	-	-	1	4
All other diseases (Residual) (D65-E07,E15-E34,E65-F99,G04-G12,G23-G25,G31-H93,K00-K22,K29-K29-K31,K50-K66,K71-K72,K75-K76,K83-M99,N13.0-N13.5,N13.7-N13.9,N14,N15.0,N15.8-N15.9,N20-N23,N28-N39,N41-N64,N80-N98)	14	7	10	10	6	47
External Causes of Morbidity & Mortality (V01-Y89)	42	16	34	69	85	246
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)	9	8	9	39	38	103
Other land transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1,V89.3,V89.9)	1	1	-	-	4	6
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	-	-	2	-	-	2
Accidental discharge of firearms (W32-W34)	-	-	1	-	-	1
Accidental drowning and submersion (W65-W74)	8	1	3	5	6	23
Accidental exposure to smoke, fire and flames (X00-X09)	8	1	-	2	-	11
Accidental poisoning and exposure to noxious substances (X40-X49)	3	2	-	3	9	17
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86)	5	3	3	-	3	14
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	-	-	4	5	12	21
Intentional self-harm (suicide) by other and unspecified means and their sequelae (X60-X71,X75-X84,Y87.0)	-	-	6	9	6	21
Assault (homicide) by discharge of firearms (X93-X95)	-	-	3	4	5	12
Assault (homicide) by other and unspecified means and their sequelae (X85-X92,X96-Y09,Y87.1)	7	-	1	2	1	11
Legal intervention (Y35,Y89.0)	-	-	1	-	-	-
Complications of medical and surgical care (Y40-Y84,Y88)	1	-	-	-	-	-
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	-	-	1	-	1	2

Table 66. Number of child deaths by age of child and county of residence: Oklahoma, 2003

<i>County</i>	<i>< 1 year</i>	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-19 years</i>	<i>1-19 years</i>
State	395	93	42	59	204	793
Adair	2	-	-	1	2	5
Alfalfa	-	-	1	-	-	1
Atoka	2	-	-	-	-	2
Beaver	-	1	-	-	1	2
Beckham	-	-	-	-	-	-
Blaine	1	-	-	1	-	2
Bryan	1	1	-	-	3	5
Caddo	5	1	-	1	3	10
Canadian	9	3	2	1	-	15
Carter	2	3	1	-	5	11
Cherokee	5	1	-	1	2	9
Choctaw	2	-	1	1	1	5
Cimarron	-	-	-	-	-	-
Cleveland	17	5	1	2	18	43
Coal	-	-	-	-	1	1
Comanche	13	2	1	2	5	23
Cotton	-	-	-	-	1	1
Craig	1	-	-	1	-	2
Creek	6	1	-	3	7	17
Custer	-	2	-	-	3	5
Delaware	4	-	-	-	6	10
Dewey	1	1	-	-	1	3
Ellis	-	-	-	-	-	-
Garfield	6	3	-	1	4	14
Garvin	2	-	-	1	1	4
Grady	5	1	2	-	6	14
Grant	-	-	-	-	-	-
Greer	-	-	-	-	-	-
Harmon	2	-	-	-	-	2
Harper	-	2	-	-	-	2
Haskell	1	-	1	-	3	5
Hughes	-	1	1	-	2	4
Jackson	5	1	-	-	1	7
Jefferson	-	-	-	-	-	-
Johnston	-	-	-	-	-	-
Kay	1	3	-	-	4	8
Kingfisher	2	-	-	-	1	3
Kiowa	1	-	-	-	-	1
Latimer	3	-	-	-	2	5
Leflore	7	-	-	1	2	10

- Denotes no events in that category.

Table 66. Number of child deaths by age of child and county of residence: Oklahoma, 2003

<i>County</i>	<i>< 1 year</i>	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-19 years</i>	<i>1-19 years</i>
State	395	93	42	59	204	793
Lincoln	6	-	-	1	-	7
Logan	2	-	1	1	1	5
Love	1	1	-	-	1	3
McClain	5	-	-	1	1	7
McCurtain	4	1	2	-	1	8
McIntosh	2	1	-	-	-	3
Major	1	-	-	-	-	1
Marshall	1	-	1	-	1	3
Mayes	4	2	-	-	4	10
Murray	1	1	-	-	1	3
Muskogee	6	2	1	-	2	11
Noble	1	-	-	-	-	1
Nowata	-	-	2	-	3	5
Okfuskee	-	-	-	-	1	1
Oklahoma	107	22	7	11	32	179
Okmulgee	3	-	-	2	1	6
Osage	4	1	-	2	1	8
Ottawa	3	2	-	1	3	9
Pawnee	1	-	-	1	1	3
Payne	9	1	-	1	3	14
Pittsburg	2	1	-	-	2	5
Pontotoc	6	.	1	-	1	8
Pottawatomie	10	2	2	-	4	18
Pushmataha	1	1	-	-	1	3
Roger Mills	-	1	-	-	-	1
Rogers	3	2	1	2	5	13
Seminole	7	-	-	1	2	10
Sequoyah	4	2	1	1	3	11
Stephens	3	3	1	2	1	10
Texas	2	1	-	1	3	7
Tillman	1	-	-	1	1	3
Tulsa	70	11	9	12	29	131
Wagoner	5	1	1	1	4	12
Washington	8	-	1	-	2	11
Washita	1	-	-	-	1	2
Woods	-	-	-	-	1	1
Woodward	1	2	-	-	1	4
Unknown	4	-	-	-	1	5

- Denotes no events in that category.

Table 67. Number of child deaths by age and sex of child and county of residence: Oklahoma, 2003

County	Age of child									
	< 1 year		1-4 years		5-9 years		10-14 years		15-19 years	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
State	227	168	59	34	21	21	42	17	145	58
Adair	1	1	-	-	-	-	1	-	1	1
Alfalfa	-	-	-	-	-	1	-	-	-	-
Atoka	-	2	-	-	-	-	-	-	-	-
Beaver	-	-	-	-	-	-	-	-	-	-
Beckham	-	-	-	1	-	-	-	-	1	-
Blaine	-	1	-	-	-	-	1	-	-	-
Bryan	1	-	1	-	-	-	-	-	3	-
Caddo	3	2	1	-	-	-	1	-	2	1
Canadian	6	3	2	1	2	-	1	-	-	-
Carter	1	1	3	-	-	1	-	-	5	-
Cherokee	4	1	-	1	-	-	-	1	1	1
Choctaw	2	-	-	-	-	1	1	-	1	-
Cimarron	-	-	-	-	-	-	-	-	-	-
Cleveland	12	5	4	1	1	-	1	1	11	7
Coal	-	-	-	-	-	-	-	-	1	-
Comanche	8	5	-	2	1	-	1	1	4	1
Cotton	-	-	-	-	-	-	-	-	1	-
Craig	1	-	-	-	-	-	1	-	-	-
Creek	4	2	-	1	-	-	3	-	7	-
Custer	-	-	1	1	-	-	-	-	2	1
Delaware	2	2	-	-	-	-	-	-	2	4
Dewey	1	-	1	-	-	-	-	-	-	1
Ellis	-	-	-	-	-	-	-	-	-	-
Garfield	1	5	1	2	-	-	1	-	3	1
Garvin	2	-	-	-	-	-	1	-	1	-
Grady	4	1	-	1	1	1	-	-	3	3
Grant	-	-	-	-	-	-	-	-	-	-
Greer	-	-	-	-	-	-	-	-	-	-
Harmon	2	-	-	-	-	-	-	-	-	-
Harper	-	-	2	-	-	-	-	-	-	-
Haskell	1	-	-	-	1	-	-	-	2	1
Hughes	-	-	1	-	-	1	-	-	1	1
Jackson	4	1	1	-	-	-	-	-	1	0
Jefferson	-	-	-	-	-	-	-	-	-	-
Johnston	-	-	-	-	-	-	-	-	-	-
Kay	1	-	3	-	-	-	-	-	2	2
Kingfisher	2	-	-	-	-	-	-	-	1	-
Kiowa	1	-	-	-	-	-	-	-	-	-
Latimer	1	2	-	-	-	-	-	-	-	2
Leflore	6	1	-	-	-	-	1	-	2	-

- Denotes no events in that category.

Table 67. Number of child deaths by age and sex of child and county of residence: Oklahoma, 2003

County	Age of child									
	< 1 year		1-4 years		5-9 years		10-14 years		15-19 years	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
State	227	168	59	34	21	21	42	17	145	58
Lincoln	5	1	-	-	-	-	1	-	-	-
Logan	1	1	-	-	-	1	-	1	-	1
Love	1	-	1	-	-	-	-	-	1	-
McClain	3	2	-	-	-	-	1	-	-	1
McCurtain	3	1	1	-	2	-	-	-	1	-
McIntosh	1	1	1	-	-	-	-	-	-	-
Major	1	-	-	-	-	-	-	-	-	-
Marshall	-	1	-	-	-	1	-	-	1	-
Mayes	-	4	2	-	-	-	-	-	4	-
Murray	-	1	-	1	-	-	-	-	1	-
Muskogee	3	3	-	2	-	1	-	-	2	-
Noble	-	1	-	-	-	-	-	-	-	-
Nowata	-	-	-	-	-	2	-	-	3	-
Okfuskee	-	-	-	-	-	-	-	-	-	1
Oklahoma	60	47	12	10	1	6	6	5	24	8
Okmulgee	3	-	-	-	-	-	1	1	1	-
Osage	4	-	1	-	-	-	2	-	1	-
Ottawa	1	2	2	-	-	-	1	-	3	-
Pawnee	-	1	-	-	-	-	1	-	-	1
Payne	3	6	1	-	-	-	1	-	1	2
Pittsburg	1	1	-	1	-	-	-	-	1	1
Pontotoc	1	5	-	-	1	-	-	-	-	1
Pottawatomie	5	5	1	1	1	1	-	-	3	1
Pushmataha	-	1	-	1	-	-	-	-	1	-
Roger Mills	-	-	1	-	-	-	-	-	-	-
Rogers	1	2	2	-	1	-	1	1	3	1
Seminole	4	3	-	-	-	-	1	-	2	-
Sequoyah	1	3	2	-	-	1	1	-	1	2
Stephens	1	2	2	1	1	-	1	1	-	1
Texas	-	2	-	1	-	-	-	1	3	-
Tillman	1	-	-	-	-	-	-	1	1	-
Tulsa	38	32	9	2	7	2	9	3	20	9
Wagoner	3	2	-	1	1	-	1	-	4	-
Washington	7	1	-	-	-	1	-	-	2	-
Washita	1	-	-	-	-	-	-	-	-	1
Woods	-	-	-	-	-	-	-	-	1	-
Woodward	-	1	-	2	-	-	-	-	1	-
Unknown	3	1	-	-	-	-	-	-	1	-

Table 68. Number of deaths to children ages 0-19 by race of decedent and county of residence: Oklahoma, 2003

<i>County</i>	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Total</i>
State	580	114	79	8	12	793
Adair	2	-	3	-	-	5
Alfalfa	1	-	-	-	-	1
Atoka	1	-	1	-	-	2
Beaver	-	-	-	-	-	-
Beckham	1	1	-	-	-	2
Blaine	2	-	-	-	-	2
Bryan	5	-	-	-	-	5
Caddo	6	-	4	-	-	10
Canadian	14	-	1	-	-	15
Carter	10	-	1	-	-	11
Cherokee	4	-	5	-	-	9
Choctaw	3	1	1	-	-	5
Cimarron	-	-	-	-	-	-
Cleveland	32	3	6	2	-	43
Coal	1	-	-	-	-	1
Comanche	10	10	3	-	-	23
Cotton	1	-	-	-	-	1
Craig	2	-	-	-	-	2
Creek	14	1	2	-	-	17
Custer	3	-	2	-	-	5
Delaware	9	-	1	-	-	10
Dewey	3	-	-	-	-	3
Ellis	-	-	-	-	-	-
Garfield	12	1	-	1	-	14
Garvin	4	-	-	-	-	4
Grady	14	-	-	-	-	14
Grant	-	-	-	-	-	-
Greer	-	-	-	-	-	-
Harmon	2	-	-	-	-	2
Harper	2	-	-	-	-	2
Haskell	5	-	-	-	-	5
Hughes	1	-	3	-	-	4
Jackson	6	-	-	-	1	7
Jefferson	-	-	-	-	-	-
Johnston	-	-	-	-	-	-
Kay	6	-	1	-	1	8
Kingfisher	3	-	-	-	-	3
Kiowa	1	-	-	-	-	1
Latimer	4	1	-	-	-	5
Leflore	7	2	1	-	-	10

- Denotes no events in that category.

Table 68. Number of deaths to children ages 0-19 by race of decedent and county of residence: Oklahoma, 2003

<i>County</i>	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Total</i>
State	580	114	79	8	12	793
Lincoln	7	-	-	-	-	7
Logan	5	-	-	-	-	5
Love	3	-	-	-	-	3
McClain	7	-	-	-	-	7
McCurtain	5	2	1	-	-	8
McIntosh	3	-	-	-	-	3
Major	1	-	-	-	-	1
Marshall	2	-	1	-	-	3
Mayes	9	-	1	-	-	10
Murray	3	-	-	-	-	3
Muskogee	4	4	3	-	-	11
Noble	1	-	-	-	-	1
Nowata	2	-	3	-	-	5
Okfuskee	1	-	-	-	-	1
Oklahoma	116	45	11	3	4	179
Okmulgee	5	-	1	-	-	6
Osage	6	-	2	-	-	8
Ottawa	5	-	3	-	1	9
Pawnee	3	-	-	-	-	3
Payne	12	1	-	1	-	14
Pittsburg	4	1	-	-	-	5
Pontotoc	4	2	2	-	-	8
Pottawatomie	12	-	5	-	1	18
Pushmataha	3	-	-	-	-	3
Roger Mills	1	-	-	-	-	1
Rogers	11	-	2	-	-	13
Seminole	7	1	2	-	-	10
Sequoyah	10	-	1	-	-	11
Stephens	10	-	-	-	-	10
Texas	7	-	-	-	-	7
Tillman	2	1	-	-	-	3
Tulsa	92	33	5	1	-	131
Wagoner	9	2	1	-	-	12
Washington	9	2	-	-	-	11
Washita	2	-	-	-	-	2
Woods	1	-	-	-	-	1
Woodward	4	-	-	-	-	4
Unknown	1	-	-	-	4	5

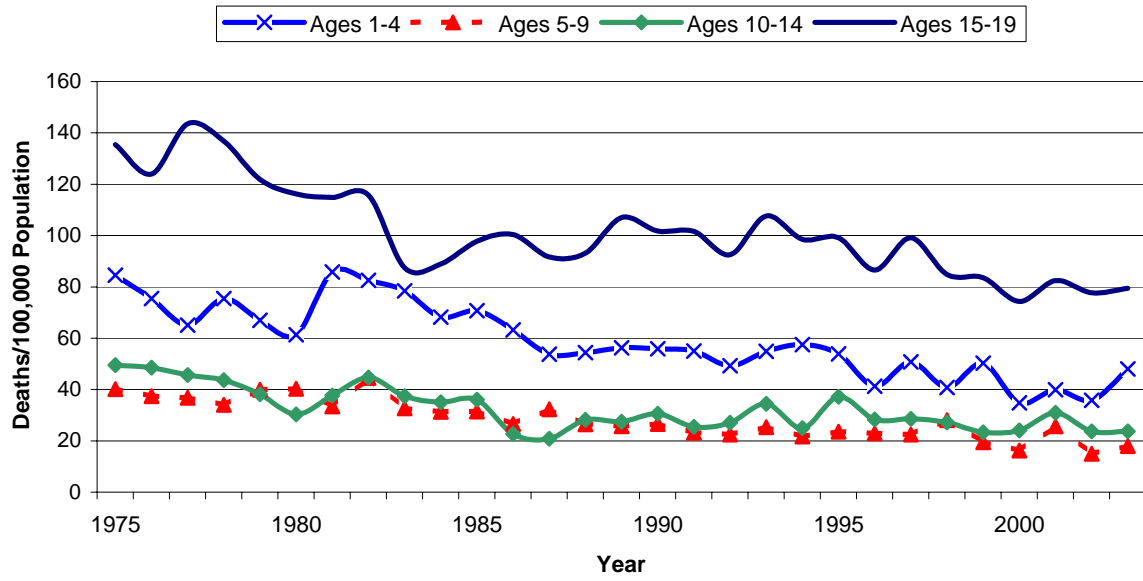
- Denotes no events in that category.

Table 69. Total and accidental deaths to children by age group: Oklahoma, 1975-2003

<i>Year</i>	<i>Ages 1-4</i>		<i>Ages 5-9</i>		<i>Ages 10-14</i>		<i>Ages 15-19</i>	
	<i>Total</i>	<i>Accident</i>	<i>Total</i>	<i>Accident</i>	<i>Total</i>	<i>Accident</i>	<i>Total</i>	<i>Accident</i>
1975	157	73	97	48	116	68	308	251
1976	142	77	88	54	113	71	287	226
1977	122	61	84	43	106	61	346	282
1978	141	80	77	45	101	59	346	302
1979	123	62	91	49	88	51	323	270
1980	110	52	93	58	70	41	325	276
1981	151	72	78	47	88	57	330	271
1982	140	72	105	57	107	59	335	270
1983	136	65	77	38	91	57	249	197
1984	124	55	73	38	86	51	240	194
1985	132	68	73	35	89	62	247	199
1986	119	66	62	36	56	42	241	184
1987	101	55	76	45	51	35	213	172
1988	102	59	63	32	68	42	213	173
1989	105	51	62	33	65	35	245	204
1990	104	56	65	35	71	48	237	196
1991	103	56	57	38	58	32	241	205
1992	93	41	55	31	61	36	221	184
1993	106	51	61	26	77	47	255	207
1994	107	62	55	30	60	36	238	201
1995	101	45	60	24	90	39	241	119
1996	75	32	55	23	73	29	220	125
1997	93	44	54	25	74	30	254	134
1998	74	36	67	35	68	32	226	114
1999	94	35	47	27	59	28	225	121
2000	65	25	39	20	60	29	198	123
2001	75	28	61	28	77	29	218	131
2002	68	24	35	15	59	21	203	112
2003	93	34	42	16	59	18	204	109

NOTE: Accidental deaths ICD Codes (E800-E929) 1975-1998; (V01-X59, Y85-Y86) 1999-2001.

**Figure 11. Age-Specific Child Mortality Rates
Oklahoma, 1975-2003**



**Table 70. Child mortality rates by age group and number of suicides and homicides for children ages 15-19:
Oklahoma, 1975-2003**

(Rates are deaths per 100,000 population in specified age group.)

<i>Year</i>	<i>Age of decedent</i>				<i>Ages 15-19</i>	
	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-19 years</i>	<i>Number of Suicides</i>	<i>Number of Homicides</i>
1975	84.6	40.1	49.5	135.4	30	32
1976	75.5	37.4	48.5	124.0	19	10
1977	65.1	36.8	45.6	143.6	31	24
1978	75.5	34.1	43.6	136.8	26	28
1979	67.0	39.9	38.1	121.9	37	28
1980	61.4	40.3	30.3	116.2	28	28
1981	85.8	33.4	37.6	114.8	30	22
1982	82.5	44.5	44.7	115.7	27	19
1983	78.5	32.7	37.4	87.4	32	16
1984	68.2	31.3	35.0	88.9	33	21
1985	70.7	31.4	36.1	97.8	32	16
1986	63.2	26.6	22.7	100.4	36	16
1987	53.8	32.3	20.8	91.6	31	20
1988	54.4	26.4	28.2	93.2	31	24
1989	56.3	25.7	27.4	107.0	35	21
1990	55.9	26.6	30.6	101.7	36	34
1991	55.0	23.2	25.5	101.6	29	35
1992	49.3	22.5	27.1	92.5	34	25
1993	54.9	25.3	34.4	107.6	37	12
1994	57.5	21.7	25.0	98.5	29	40
1995	53.9	23.6	37.2	99.1	32	25
1996	41.3	23.0	28.3	86.5	30	31
1997	50.7	22.4	28.5	99.2	36	41
1998	40.8	28.0	27.2	84.8	41	22
1999	50.3	19.4	23.3	83.6	26	25
2000	34.8	16.2	24.1	74.3	23	12
2001	39.9	25.7	30.9	82.4	25	23
2002	35.8	15.0	23.7	77.7	27	17
2003	48.0	17.9	23.7	79.4	32	12

**Table 71. Heart Disease Death Trends:
Oklahoma, 1980- 2003**

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	10,700	3,039,886	352.0	389.8
1981	10,620	3,096,133	343.0	378.4
1982	10,973	3,206,103	342.3	381.4
1983	11,149	3,290,412	338.8	379.3
1984	10,642	3,285,581	323.9	358.2
1985	11,218	3,271,395	342.9	372.9
1986	10,873	3,252,756	334.3	357.1
1987	10,593	3,210,172	330.0	343.6
1988	10,902	3,167,148	344.2	351.8
1989	10,587	3,150,372	336.1	336.1
1990	10,834	3,148,825	344.1	338.8
1991	10,769	3,175,440	339.1	330.9
1992	10,797	3,220,517	335.3	325.1
1993	11,259	3,252,285	346.2	333.4
1994	11,079	3,280,940	337.7	323.6
1995	11,041	3,308,208	333.7	318.0
1996	11,238	3,340,129	336.5	320.1
1997	11,241	3,372,917	333.3	316.4
1998	11,254	3,405,194	330.5	313.0
1999	11,046	3,437,147	321.4	309.9
2000	11,163	3,453,996	323.2	310.0
2001	10,733	3,467,181	309.6	296.4
2002	11,095	3,489,700	319.9	303.4
2003	11,039	3,511,532	314.4	299.4

**Table 72. Heart Disease Deaths by Selected Demographics:
Oklahoma, 1999-2003**

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	26,511	8,543,790	310.3	371.5
Female	28,565	8,815,766	324.0	250.5
White	49,669	14,075,091	352.9	305.0
Black	3,205	1,426,293	224.7	364.8
Am Indian	2,012	1,563,294	128.7	218.4
Other	141	294,878	47.8	141.2
Hispanic ¹	450	925,702	48.6	194.0
Under 1	41	244,840	16.7	-
1-4 years	12	948,993	1.3	-
5-14 years	18	2,449,559	0.7	-
15-24 years	82	2,622,539	3.1	-
25-34 years	186	2,274,199	8.2	-
35-44 years	1,043	2,559,365	40.8	-
45-54 years	2,958	2,328,619	127.0	-
55-64 years	5,600	1,642,658	340.9	-
65-74 years	9,483	1,209,378	784.1	-
75-84 years	16,392	791,433	2071.2	-
85+ years	19,254	287,975	6686.0	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD9: 390-398, 402,404, 410-414, 415-429

ICD10: Diseases of Heart: I11, I13, I20-I25, I00-I09, I26-I51

¹Hispanic deaths are of any race

**Figure 12. Age-Adjusted Heart Disease Death Rates
by Select Demographic Groups, Oklahoma 1999-2003**

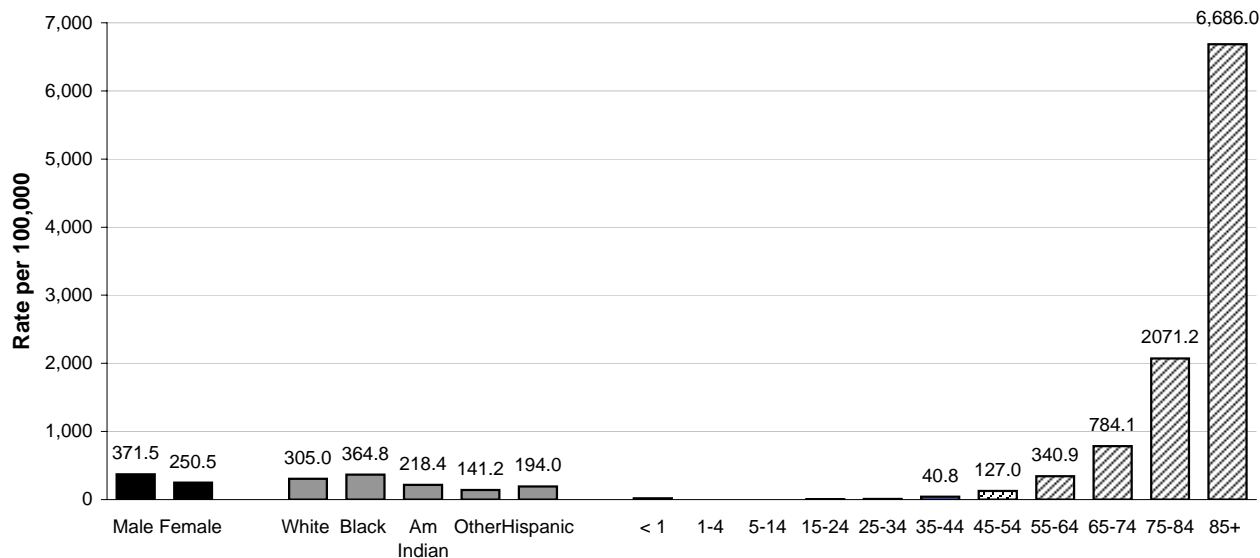


Table 73. Number of deaths, age-adjusted death rate and years of potential life lost due to Heart Disease Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)
ICD-10: I11,I13,I20-I25,I00-I09,I26-I51)

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	55,076	17,359,556	317.3	316.6	112,255
Adair	323	106,161	304.3	348.2	866
Alfalfa	118	30,079	392.3	237.1	116
Atoka	259	69,735	371.4	351.8	477
Beaver	93	28,645	324.7	235.2	116
Beckham	439	99,448	441.4	361.3	710
Blaine	255	59,292	430.1	321.9	371
Bryan	642	183,705	349.5	297.5	1,175
Caddo	582	150,440	386.9	343.9	1,426
Canadian	1,010	448,159	225.4	303.2	2,258
Carter	1,072	229,302	467.5	386.7	1,764
Cherokee	530	214,607	247.0	283.2	1,211
Choctaw	356	76,612	464.7	349.0	663
Cimarron	48	15,285	314.0	197.8	2
Cleveland	1,982	1,063,357	186.4	289.3	4,797
Coal	198	30,004	659.9	507.5	457
Comanche	1,203	570,657	210.8	288.9	3,381
Cotton	149	32,721	455.4	316.7	191
Craig	317	74,290	426.7	346.0	470
Creek	1,177	340,161	346.0	360.0	2,815
Custer	464	128,011	362.5	333.1	745
Delaware	850	188,165	451.7	372.6	1,247
Dewey	102	23,305	437.7	252.2	163
Ellis	98	20,134	486.7	250.4	44
Garfield	987	287,384	343.4	275.7	1,831
Garvin	642	135,759	472.9	340.5	1,117
Grady	825	230,922	357.3	351.2	2,139
Grant	121	25,373	476.9	292.5	76
Greer	169	29,894	565.3	368.0	426
Harmon	87	15,898	547.2	316.2	101
Harper	99	17,419	568.3	338.4	63
Haskell	294	59,136	497.2	390.5	540
Hughes	394	70,093	562.1	380.1	376
Jackson	443	139,788	316.9	338.4	764
Jefferson	198	33,371	593.3	386.8	298
Johnston	213	52,396	406.5	347.0	505
Kay	1,004	238,732	420.6	324.1	1,630
Kingfisher	253	69,710	362.9	301.8	359
Kiowa	312	50,462	618.3	390.9	442
Latimer	223	53,063	420.3	361.0	471
Leflore	927	241,719	383.5	367.2	2,151

Table 73. Number of deaths, age-adjusted death rate and years of potential life lost due to Heart Disease Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: I11,I13,I20-I25,I00-I09,I26-I51)

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	55,076	17,359,556	317.3	316.6	112,255
Lincoln	562	160,560	350.0	331.2	1,246
Logan	487	172,317	282.6	296.8	1,018
Love	166	44,179	375.7	299.8	274
McClain	420	139,759	300.5	337.5	838
McCurtain	610	170,978	356.8	343.7	1,230
McIntosh	519	97,827	530.5	355.8	724
Major	207	37,575	550.9	354.6	236
Marshall	326	66,835	487.8	370.3	467
Mayer	617	192,725	320.1	295.9	1,187
Murray	320	63,286	505.6	366.6	550
Muskogee	1,260	348,671	361.4	308.3	2,725
Noble	213	56,839	374.7	321.0	359
Nowata	187	53,193	351.6	272.7	300
Okfuskee	278	58,571	474.6	386.4	527
Oklahoma	9,444	3,330,794	283.5	306.8	22,952
Okmulgee	823	198,345	414.9	362.5	1,550
Osage	573	224,196	255.6	257.4	1,236
Ottawa	674	164,978	408.5	342.9	1,003
Pawnee	312	83,535	373.5	330.9	502
Payne	826	347,251	237.9	271.1	1,241
Pittsburg	1,002	219,724	456.0	352.4	1,541
Pontotoc	672	175,028	383.9	338.2	1,286
Pottawatomie	1,178	330,920	356.0	349.4	2,477
Pushmataha	288	58,503	492.3	363.8	377
Roger Mills	81	16,648	486.5	318.9	105
Rogers	860	365,923	235.0	288.0	1,886
Seminole	590	123,609	477.3	385.2	1,294
Sequoyah	602	196,597	306.2	311.1	1,318
Stephens	973	214,193	454.3	341.7	1,216
Texas	210	100,203	209.6	271.4	413
Tillman	167	45,641	365.9	245.8	244
Tulsa	8,010	2,831,969	282.8	313.9	17,386
Wagoner	565	295,685	191.1	263.4	1,456
Washington	820	245,218	334.4	253.5	1,156
Washita	244	57,089	427.4	293.6	354
Woods	235	44,422	529.0	331.8	210
Woodward	284	92,376	307.4	274.7	531
Unknown	13	-	-	-	86

Table 74. Number of deaths, age-adjusted death rate and years of potential life lost due to Heart Disease by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: I11,I13,I20-I25,I00-I09,I26-I51

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	26,511	310.3	386.4	77,538	28,565	324.0	261.7	34,717
Adair	182	346.9	484.5	662	141	262.6	251.7	204
Alfalfa	60	352.1	292.0	89	58	444.9	192.2	27
Atoka	120	318.0	406.6	266	139	434.3	307.8	211
Beaver	50	345.5	304.6	83	43	303.4	180.1	33
Beckham	200	384.9	425.5	460	239	503.4	309.0	250
Blaine	104	323.1	337.2	259	151	557.1	303.8	112
Bryan	305	339.8	354.6	825	337	358.7	243.4	350
Caddo	301	402.5	448.6	1,141	281	371.4	260.3	285
Canadian	468	209.3	355.0	1,396	542	241.4	265.0	862
Carter	502	454.1	470.4	1,230	570	480.0	314.8	534
Cherokee	252	238.9	315.9	797	278	254.8	248.3	414
Choctaw	170	467.3	433.1	510	186	462.3	279.4	153
Cimarron	24	318.3	249.0	1	24	309.8	156.2	1
Cleveland	1,012	189.4	350.0	3,355	970	183.3	240.9	1,442
Coal	87	591.3	554.6	216	111	725.9	457.6	241
Comanche	612	207.0	366.8	2,314	591	214.9	232.6	1,067
Cotton	71	436.8	425.2	136	78	473.6	243.6	55
Craig	144	385.4	409.6	315	173	468.5	296.9	155
Creek	555	332.6	416.8	1,789	622	358.9	313.5	1,026
Custer	229	367.6	418.9	486	235	357.6	266.7	259
Delaware	434	468.7	449.8	911	416	435.3	307.1	336
Dewey	47	412.3	319.9	153	55	462.0	194.0	10
Ellis	51	510.6	339.7	21	47	463.2	184.4	23
Garfield	462	331.7	338.5	1,272	525	354.5	228.2	559
Garvin	300	458.6	417.2	822	342	486.2	271.5	295
Grady	409	362.6	450.5	1,445	416	352.2	278.9	694
Grant	49	397.4	306.4	68	72	552.1	267.3	8
Greer	75	449.5	422.8	310	94	711.6	322.7	116
Harmon	32	417.6	336.4	63	55	667.8	311.6	38
Harper	54	633.1	465.3	56	45	506.2	244.0	7
Haskell	142	489.8	483.7	333	152	504.2	319.7	207
Hughes	193	535.1	519.1	287	201	590.7	285.4	89
Jackson	202	289.9	396.0	451	241	343.7	290.4	313
Jefferson	105	646.8	543.5	203	93	542.7	287.1	95
Johnston	109	424.0	432.2	307	104	389.7	273.3	198
Kay	482	416.7	401.7	1,239	522	424.2	257.7	391
Kingfisher	112	328.6	367.2	245	141	395.7	256.0	114
Kiowa	153	619.6	523.5	321	159	617.0	294.9	121
Latimer	109	416.2	381.8	238	114	424.2	336.4	233
Leflore	466	386.2	444.7	1,528	461	380.8	300.9	623

Table 74. Number of deaths, age-adjusted death rate and years of potential life lost due to Heart Disease by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: I11,I13,I20-I25,I00-I09,I26-I51

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	26,511	310.3	386.4	77,538	28,565	324.0	261.7	34,717
Lincoln	279	352.1	405.3	859	283	348.0	273.7	387
Logan	235	275.4	359.2	750	252	289.7	242.0	268
Love	80	365.2	350.8	159	86	386.1	253.6	115
McClain	211	304.0	425.9	611	209	297.0	280.0	227
McCurtain	290	351.6	403.7	867	320	361.6	286.1	363
McIntosh	271	579.3	450.3	588	248	485.8	274.2	136
Major	96	523.2	433.7	161	111	577.3	300.7	75
Marshall	152	460.0	443.1	438	174	514.9	305.3	29
Mayer	326	340.8	368.4	881	291	299.8	233.6	306
Murray	153	489.6	421.7	418	167	521.3	315.1	132
Muskogee	637	378.1	407.2	2,159	623	345.7	230.5	566
Noble	107	380.7	408.5	255	106	368.9	250.9	104
Nowata	79	301.7	291.0	214	108	399.9	245.3	86
Okfuskee	138	456.8	495.4	390	140	493.7	309.7	137
Oklahoma	4,597	284.1	385.9	15,244	4,847	283.0	249.6	7,708
Okmulgee	385	397.6	430.1	1,054	438	431.5	304.3	496
Osage	300	264.5	313.8	956	273	246.5	208.0	280
Ottawa	326	406.5	422.4	755	348	410.5	283.2	248
Pawnee	147	356.4	368.5	382	165	390.2	291.9	120
Payne	362	204.7	309.1	850	464	272.2	237.6	391
Pittsburg	456	411.6	425.9	1,149	546	501.2	294.4	392
Pontotoc	306	361.3	414.3	859	366	405.2	279.7	427
Pottawatomie	565	352.8	429.0	1,725	613	359.0	287.1	752
Pushmataha	129	457.7	395.5	278	159	524.4	316.6	99
Roger Mills	40	477.9	398.4	72	41	495.3	247.2	33
Rogers	419	232.4	339.5	1,361	441	237.6	248.1	525
Seminole	303	507.1	499.9	878	287	449.5	295.9	416
Sequoyah	297	306.4	361.4	862	305	306.0	262.9	456
Stephens	452	435.4	404.3	887	521	472.0	289.5	329
Texas	90	174.2	259.4	277	120	247.2	268.5	136
Tillman	93	415.7	358.3	171	74	318.0	167.6	73
Tulsa	3,709	269.4	383.4	11,867	4,301	295.6	263.9	5,519
Wagoner	294	200.8	310.4	992	271	181.5	225.3	464
Washington	372	315.7	294.4	760	448	351.7	221.3	396
Washita	114	412.7	367.6	217	130	441.2	233.9	137
Woods	112	493.3	447.4	128	123	566.4	265.0	82
Woodward	146	315.5	355.4	387	138	299.3	216.6	144
Unknown	9	-	-	74	4	-	-	12

Table 75. Cancer Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	5,503	3,039,886	181.0	189.2
1981	5,701	3,096,133	184.1	194.1
1982	5,873	3,206,103	183.2	194.2
1983	6,061	3,290,412	184.2	196.0
1984	6,083	3,285,581	185.1	195.9
1985	6,114	3,271,395	186.9	195.5
1986	6,314	3,252,756	194.1	201.0
1987	6,382	3,210,172	198.8	202.5
1988	6,347	3,167,148	200.4	200.5
1989	6,613	3,150,372	209.9	207.1
1990	6,648	3,148,825	211.1	205.8
1991	6,823	3,175,440	214.9	209.5
1992	6,804	3,220,517	211.3	205.1
1993	7,058	3,252,285	217.0	210.5
1994	7,028	3,280,940	214.2	207.3
1995	7,036	3,308,208	212.7	204.8
1996	7,076	3,340,129	211.8	203.6
1997	7,197	3,372,917	213.4	204.9
1998	7,075	3,405,194	207.8	199.5
1999	7,182	3,437,147	209.0	202.9
2000	7,304	3,453,996	211.5	204.1
2001	7,344	3,467,181	211.8	203.9
2002	7,421	3,489,700	212.7	203.6
2003	7,319	3,511,532	208.4	198.5

Table 76. Cancer Deaths Selected Demographics: Oklahoma, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	19,440	8,543,790	227.5	256.9
Female	17,130	8,815,766	194.3	166.6
White	32,584	14,075,091	231.5	203.3
Black	2,252	1,426,293	157.9	254.6
Am Indian	1,555	1,563,294	99.5	156.2
Other	149	294,878	50.5	110.1
Hispanic ¹	343	92,702	37.1	123.2
Under 1	9	244,840	3.7	-
1-4 years	24	948,993	2.5	-
5-14 years	59	2,449,559	2.4	-
15-24 years	97	2,622,537	3.7	-
25-34 years	280	2,274,199	12.3	-
35-44 years	1,018	2,559,365	39.8	-
45-54 years	3,116	2,328,619	133.8	-
55-64 years	6,459	1,642,658	393.2	-
65-74 years	10,005	1,209,378	827.3	-
75-84 years	10,586	791,433	1,337.6	-
85+ years	4,913	287,975	1,706.1	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD-9: 140-208 ICD-10: C00-C97

¹Hispanic deaths are of any race

Figure 13. Age-Adjusted Cancer Death Rates by Select Demographic Groups, Oklahoma 1999-2003

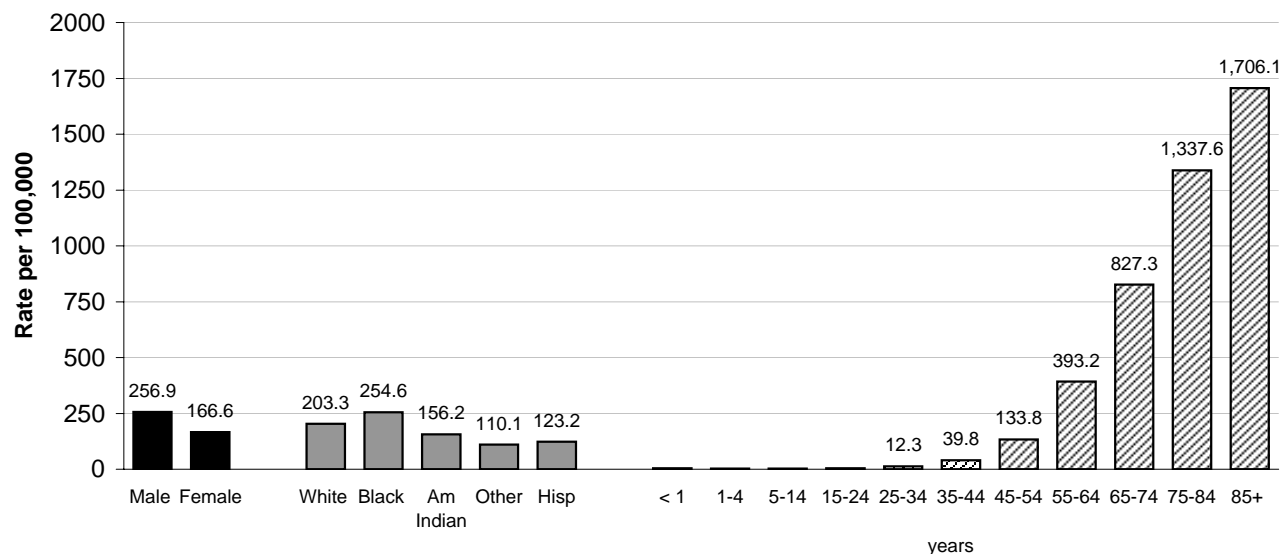


Table 77. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: C00-C97

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	36,570	17,359,556	210.7	209.8	123,349
Adair	247	106,161	232.7	251.3	1,001
Alfalfa	70	30,079	232.7	151.6	67
Atoka	147	69,735	210.8	192.5	419
Beaver	56	28,645	195.5	154.1	166
Beckham	218	99,448	219.2	200.0	557
Blaine	163	59,292	274.9	220.9	268
Bryan	409	183,705	222.6	196.2	942
Caddo	356	150,440	236.6	216.3	912
Canadian	692	448,159	154.4	189.6	2,692
Carter	608	229,302	265.2	228.6	1,990
Cherokee	405	214,607	188.7	206.4	1,455
Choctaw	203	76,612	265.0	210.5	605
Cimarron	42	15,285	274.8	199.4	127
Cleveland	1,389	1,063,357	130.6	179.6	6,584
Coal	90	30,004	300.0	248.4	373
Comanche	982	570,657	172.1	225.9	3,505
Cotton	78	32,721	238.4	182.8	159
Craig	209	74,290	281.3	233.9	597
Creek	762	340,161	224.0	219.7	2,827
Custer	292	128,011	228.1	222.0	972
Delaware	488	188,165	259.3	205.3	1,561
Dewey	83	23,305	356.1	221.8	113
Ellis	51	20,134	253.3	163.0	136
Garfield	656	287,384	228.3	195.7	2,261
Garvin	366	135,759	269.6	208.8	918
Grady	496	230,922	214.8	214.4	1,624
Grant	56	25,373	220.7	155.1	178
Greer	74	29,894	247.5	177.1	208
Harmon	61	15,898	383.7	255.8	212
Harper	61	17,419	350.2	237.8	155
Haskell	178	59,136	301.0	241.1	590
Hughes	202	70,093	288.2	224.1	711
Jackson	244	139,788	174.6	189.2	608
Jefferson	103	33,371	308.7	218.2	198
Johnston	115	52,396	219.5	193.3	563
Kay	647	238,732	271.0	221.0	1,715
Kingfisher	156	69,710	223.8	199.2	398
Kiowa	163	50,462	323.0	235.5	458
Latimer	137	53,063	258.2	220.9	418
Leflore	594	241,719	245.7	235.3	1,981

Table 77. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: C00-C97

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	36,570	17,359,556	210.7	209.8	123,349
Lincoln	375	160,560	233.6	220.5	1,357
Logan	348	172,317	202.0	213.1	1,017
Love	126	44,179	285.2	234.5	371
McClain	251	139,759	179.6	184.9	845
McCurtain	410	170,978	239.8	227.8	1,504
McIntosh	287	97,827	293.4	196.1	709
Major	86	37,575	228.9	164.7	274
Marshall	176	66,835	263.3	192.7	386
Mayer	472	192,725	244.9	221.6	1,713
Murray	185	63,286	292.3	222.1	512
Muskogee	894	348,671	256.4	226.6	2,351
Noble	134	56,839	235.8	205.3	332
Nowata	158	53,193	297.0	240.9	578
Okfuskee	146	58,571	249.3	205.8	373
Oklahoma	6,512	3,330,794	195.5	208.8	23,877
Okmulgee	490	198,345	247.0	222.2	1,792
Osage	473	224,196	211.0	203.8	1,541
Ottawa	481	164,978	291.6	242.4	1,287
Pawnee	223	83,535	267.0	237.1	685
Payne	562	347,251	161.8	194.9	1,983
Pittsburg	563	219,724	256.2	205.9	1,695
Pontotoc	413	175,028	236.0	214.4	1,199
Pottawatomie	716	330,920	216.4	211.1	2,291
Pushmataha	177	58,503	302.5	234.1	596
Roger Mills	33	16,648	198.2	141.8	70
Rogers	670	365,923	183.1	203.5	2,348
Seminole	338	123,609	273.4	227.2	961
Sequoyah	462	196,597	235.0	229.1	1,753
Stephens	595	214,193	277.8	214.7	1,603
Texas	135	100,203	134.7	169.7	440
Tillman	134	45,641	293.6	218.4	428
Tulsa	5,617	2,831,969	198.3	216.4	20,301
Wagoner	478	295,685	161.7	190.6	1,747
Washington	642	245,218	261.8	205.4	1,992
Washita	152	57,089	266.3	191.0	244
Woods	115	44,422	258.9	177.1	172
Woodward	188	92,376	203.5	187.8	736
Unknown	4	.	.	.	62

Table 78. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: C00-C97

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	19,440	227.5	266.5	63,181	17,130	194.3	172.2	60,168
Adair	126	240.2	298.4	475	121	225.3	220.8	526
Alfalfa	42	246.4	208.0	26	28	214.8	114.9	41
Atoka	83	220.0	250.2	213	64	200.0	152.0	206
Beaver	33	228.0	203.7	113	23	162.3	111.7	53
Beckham	98	188.6	210.1	255	120	252.7	194.7	302
Blaine	85	264.1	277.5	127	78	287.7	183.2	141
Bryan	229	255.1	256.4	429	180	191.6	152.5	513
Caddo	192	256.7	276.3	470	164	216.8	176.5	442
Canadian	353	157.9	229.0	1,445	339	151.0	165.7	1,247
Carter	330	298.5	300.0	1,019	278	234.1	182.4	971
Cherokee	194	183.9	229.6	593	211	193.4	195.3	862
Choctaw	109	299.6	271.2	300	94	233.7	169.5	305
Cimarron	20	265.3	211.2	28	22	284.0	208.5	99
Cleveland	759	142.1	227.8	3,497	630	119.1	146.1	3,087
Coal	51	346.6	323.2	246	39	255.1	185.7	127
Comanche	505	170.8	279.4	1,742	477	173.4	191.0	1,763
Cotton	51	313.8	297.3	102	27	164.0	111.1	57
Craig	111	297.1	298.7	293	98	265.4	192.2	304
Creek	426	255.3	284.7	1,538	336	193.9	173.1	1,289
Custer	159	255.2	286.6	573	133	202.4	176.7	399
Delaware	283	305.6	266.5	801	205	214.5	160.4	760
Dewey	43	377.2	285.9	43	40	336.0	188.3	70
Ellis	32	320.4	232.4	99	19	187.3	103.6	37
Garfield	354	254.2	254.5	1,145	302	203.9	156.3	1,116
Garvin	189	288.9	259.7	435	177	251.6	173.3	483
Grady	276	244.7	282.7	915	220	186.3	165.3	709
Grant	34	275.7	218.2	137	22	168.7	97.4	41
Greer	36	215.8	204.0	136	38	287.7	159.2	72
Harmon	34	443.7	373.4	121	27	327.8	186.4	91
Harper	35	410.4	296.8	40	26	292.5	187.9	115
Haskell	103	355.3	329.2	321	75	248.8	185.3	269
Hughes	120	332.7	312.1	346	82	241.0	162.9	365
Jackson	123	176.5	237.5	384	121	172.6	161.8	224
Jefferson	62	381.9	302.8	117	41	239.2	154.9	81
Johnston	60	233.4	224.0	292	55	206.1	167.6	271
Kay	349	301.7	285.7	855	298	242.2	176.8	860
Kingfisher	90	264.1	272.7	212	66	185.2	149.8	186
Kiowa	96	388.8	332.2	330	67	260.0	165.5	128
Latimer	82	313.1	276.3	187	55	204.7	170.5	231
Leflore	312	258.6	284.4	1,111	282	232.9	198.7	870

Table 78. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: C00-C97

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	19,440	227.5	266.5	63,181	17,130	194.3	172.2	60,168
Lincoln	225	283.9	301.6	563	150	184.5	162.4	794
Logan	191	223.8	278.4	557	157	180.5	168.8	460
Love	71	324.2	304.8	123	55	246.9	188.6	248
McClain	140	201.7	232.7	482	111	157.8	150.0	363
McCurtain	236	286.1	317.7	817	174	196.6	169.8	687
McIntosh	168	359.1	257.7	453	119	233.1	146.3	256
Major	44	239.8	192.6	157	42	218.4	143.1	117
Marshall	108	326.9	278.8	247	68	201.2	132.5	139
Mayes	271	283.3	289.3	818	201	207.1	173.6	895
Murray	104	332.8	266.4	249	81	252.8	184.3	263
Muskogee	461	273.6	285.3	1,157	433	240.3	186.3	1,194
Noble	77	274.0	285.4	149	57	198.4	154.3	183
Nowata	83	317.0	298.0	328	75	277.7	201.6	250
Okfuskee	87	288.0	286.5	219	59	208.0	147.5	154
Oklahoma	3,370	208.3	266.9	12,013	3,142	183.5	173.1	11,864
Okmulgee	277	286.1	299.0	1,083	213	209.8	168.0	709
Osage	260	229.2	258.1	805	213	192.3	166.8	736
Ottawa	257	320.4	309.1	437	224	264.2	201.7	850
Pawnee	127	307.9	303.9	430	96	227.0	186.2	255
Payne	316	178.7	263.0	1,112	246	144.3	148.8	871
Pittsburg	305	275.3	262.1	833	258	236.8	168.9	862
Pontotoc	210	247.9	269.7	542	203	224.7	181.1	657
Pottawatomie	384	239.8	274.3	1,280	332	194.4	171.5	1,011
Pushmataha	95	337.1	290.6	219	82	270.5	200.8	377
Roger Mills	19	227.0	187.5	51	14	169.1	114.7	19
Rogers	364	201.9	247.4	1,204	306	164.8	168.5	1,144
Seminole	184	307.9	295.3	459	154	241.2	182.1	502
Sequoyah	257	265.2	296.5	914	205	205.7	183.7	839
Stephens	330	317.9	279.5	833	265	240.1	168.6	770
Texas	70	135.5	196.3	268	65	133.9	148.8	172
Tillman	74	330.8	286.8	185	60	257.8	170.5	243
Tulsa	2,797	203.2	268.7	10,204	2,820	193.8	184.6	10,097
Wagoner	253	172.8	227.8	804	225	150.7	163.3	943
Washington	314	266.5	234.7	1,048	328	257.5	185.7	944
Washita	85	307.7	266.4	158	67	227.4	133.8	86
Woods	58	255.5	230.2	69	57	262.5	153.0	103
Woodward	97	209.6	225.2	356	91	197.4	165.4	380
Unknown	2	-	-	44	2	-	-	18

Table 79. Stroke Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	2,744	3,039,886	90.3	104.1
1981	2,592	3,096,133	83.7	95.8
1982	2,544	3,206,103	79.3	91.3
1983	2,513	3,290,412	76.4	88.5
1984	2,387	3,285,581	72.7	82.7
1985	2,469	3,271,395	75.5	84.0
1986	2,433	3,252,756	74.8	81.5
1987	2,394	3,210,172	74.6	78.8
1988	2,310	3,167,148	72.9	75.2
1989	2,280	3,150,372	72.4	72.9
1990	2,204	3,148,825	70.0	69.4
1991	2,081	3,175,440	65.5	64.1
1992	2,179	3,220,517	67.7	65.5
1993	2,271	3,252,285	69.8	67.2
1994	2,139	3,280,940	65.2	62.4
1995	2,344	3,308,208	70.9	67.3
1996	2,398	3,340,129	71.8	68.0
1997	2,370	3,372,917	70.3	66.5
1998	2,284	3,405,194	67.1	63.4
1999	2,447	3,437,147	71.2	68.6
2000	2,476	3,453,996	71.7	68.7
2001	2,354	3,467,181	67.9	65.0
2002	2,417	3,489,700	69.3	66.1
2003	2,473	3,511,532	70.4	67.3

Table 80. Stroke Deaths Selected Demographics: Oklahoma, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	4,484	8,543,790	52.5	65.8
Female	7,683	8,815,766	87.2	67.2
White	10,914	14,075,091	77.5	66.7
Black	778	1,426,293	54.5	89.8
Am Indian	414	1,563,294	26.5	46.6
Other	50	294,878	17.0	47.1
Hispanic ¹	124	925,702	13.4	54.7
Under 1	23	244,840	9.4	-
1-4 years	6	948,993	0.6	-
5-14 years	5	2,449,559	0.2	-
15-24 years	18	2,622,537	0.7	-
25-34 years	47	2,274,199	2.1	-
35-44 years	199	2,559,365	7.8	-
45-54 years	428	2,328,619	18.4	-
55-64 years	715	1,642,658	43.5	-
65-74 years	1,697	1,209,378	140.3	-
75-84 years	4,106	791,433	518.8	-
85+ years	4,919	287,975	1708.1	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD-9: 430-438 ICD-10: I60-I69

¹Hispanic deaths are of any race

Age-adjusted rates based on 2000 U.S. population standard.

++ Rates are not calculated for fewer than 5 events due to instability

Figure 14. Age-Adjusted Stroke Death Rates by Select Demographic Groups, Oklahoma 1999-2003

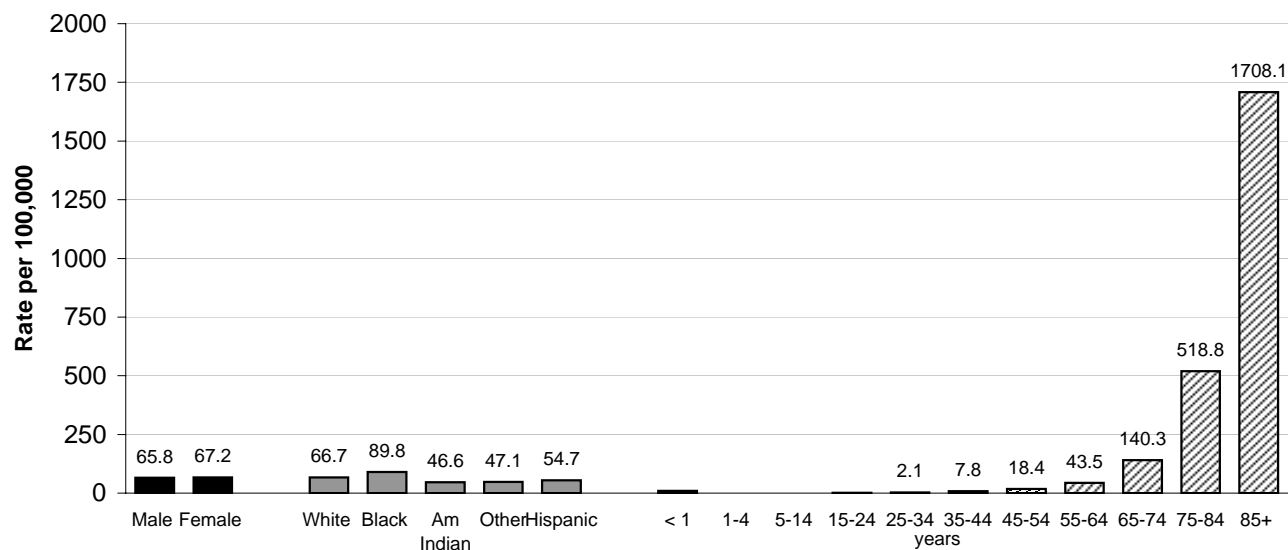


Table 81. Number of deaths, age-adjusted death rate and years of potential life lost due to Cerebrovascular Disease Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: I60-I69

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	12,167	17,359,556	70.1	70.0	19,434
Adair	89	106,161	83.8	95.7	326
Alfalfa	34	30,079	113.0	66.9	23
Atoka	42	69,735	60.2	58.0	22
Beaver	19	28,645	66.3	52.4	96
Beckham	142	99,448	142.8	114.2	190
Blaine	52	59,292	87.7	63.6	33
Bryan	103	183,705	56.1	47.5	198
Caddo	128	150,440	85.1	75.6	339
Canadian	233	448,159	52.0	73.2	288
Carter	187	229,302	81.6	66.8	371
Cherokee	134	214,607	62.4	72.8	273
Choctaw	54	76,612	70.5	52.0	70
Cimarron	7	15,285	45.8	29.3	3
Cleveland	477	1,063,357	44.9	72.5	1,029
Coal	16	30,004	53.3	43.6	77
Comanche	353	570,657	61.9	87.0	617
Cotton	39	32,721	119.2	79.5	9
Craig	53	74,290	71.3	57.8	76
Creek	241	340,161	70.8	74.5	316
Custer	92	128,011	71.9	64.1	77
Delaware	110	188,165	58.5	47.5	128
Dewey	42	23,305	180.2	91.5	14
Ellis	34	20,134	168.9	85.8	2
Garfield	292	287,384	101.6	78.3	222
Garvin	97	135,759	71.5	50.1	181
Grady	164	230,922	71.0	70.4	120
Grant	27	25,373	106.4	63.1	23
Greer	41	29,894	137.2	78.5	38
Harmon	23	15,898	144.7	86.9	52
Harper	28	17,419	160.7	98.8	56
Haskell	55	59,136	93.0	73.5	88
Hughes	60	70,093	85.6	60.2	86
Jackson	134	139,788	95.9	101.8	197
Jefferson	48	33,371	143.8	90.5	65
Johnston	36	52,396	68.7	59.1	133
Kay	223	238,732	93.4	69.9	218
Kingfisher	54	69,710	77.5	65.0	11
Kiowa	95	50,462	188.3	108.9	62
Latimer	27	53,063	50.9	42.5	7
Leflore	180	241,719	74.5	71.3	96

Table 81. Number of deaths, age-adjusted death rate and years of potential life lost due to Cerebrovascular Disease Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: I60-I69

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	12,167	17,359,556	70.1	70.0	19,434
Lincoln	114	160,560	71.0	67.4	159
Logan	169	172,317	98.1	105.4	198
Love	32	44,179	72.4	57.7	33
McClain	86	139,759	61.5	71.1	47
McCurtain	112	170,978	65.5	63.5	215
McIntosh	72	97,827	73.6	48.8	90
Major	32	37,575	85.2	51.8	.
Marshall	47	66,835	70.3	54.2	93
Mayes	134	192,725	69.5	64.5	154
Murray	50	63,286	79.0	55.6	29
Muskogee	229	348,671	65.7	54.8	434
Noble	43	56,839	75.7	64.3	45
Nowata	46	53,193	86.5	66.4	69
Okfuskee	58	58,571	99.0	79.6	60
Oklahoma	2,362	3,330,794	70.9	77.0	4,797
Okmulgee	145	198,345	73.1	63.4	204
Osage	121	224,196	54.0	56.7	153
Ottawa	151	164,978	91.5	75.1	174
Pawnee	73	83,535	87.4	78.0	110
Payne	184	347,251	53.0	59.0	259
Pittsburg	135	219,724	61.4	47.5	205
Pontotoc	223	175,028	127.4	109.0	151
Pottawatomie	272	330,920	82.2	80.8	483
Pushmataha	47	58,503	80.3	60.3	93
Roger Mills	23	16,648	138.2	91.9	26
Rogers	224	365,923	61.2	76.3	359
Seminole	111	123,609	89.8	70.8	122
Sequoyah	161	196,597	81.9	85.8	112
Stephens	206	214,193	96.2	72.1	266
Texas	38	100,203	37.9	49.2	111
Tillman	44	45,641	96.4	56.7	52
Tulsa	1,683	2,831,969	59.4	66.1	3,171
Wagoner	113	295,685	38.2	54.5	205
Washington	193	245,218	78.7	58.8	205
Washita	52	57,089	91.1	62.7	56
Woods	53	44,422	119.3	64.9	50
Woodward	59	92,376	63.9	57.4	203
Unknown	5	-	-	-	9

Table 82. Number of deaths, age-adjusted death rate and years of potential life lost due to Cerebrovascular Disease by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: I60-I69

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	4,484	52.5	68.6	9,778	7,683	87.2	70.1	9,656
Adair	36	68.6	95.8	188	53	98.7	94.6	138
Alfalfa	11	64.5	53.2	4	23	176.4	78.8	19
Atoka	8	21.2	29.8	6	34	106.2	72.7	16
Beaver	12	82.9	78.0	96	7	49.4	27.0	
Beckham	57	109.7	120.8	97	85	179.0	109.1	93
Blaine	21	65.2	67.7	33	31	114.4	58.7	
Bryan	43	47.9	51.0	129	60	63.9	44.1	69
Caddo	54	72.2	80.4	191	74	97.8	70.2	148
Canadian	80	35.8	67.6	111	153	68.1	75.7	177
Carter	72	65.1	70.2	241	115	96.8	63.3	130
Cherokee	58	55.0	78.7	178	76	69.6	68.8	95
Choctaw	17	46.7	43.8		37	92.0	59.0	70
Cimarron	2	26.5	21.4		5	64.5	33.0	3
Cleveland	162	30.3	64.4	556	315	59.5	78.5	473
Coal	7	47.6	49.1	36	9	58.9	45.9	41
Comanche	134	45.3	87.2	259	219	79.6	85.9	358
Cotton	11	67.7	65.9		28	170.0	85.4	9
Craig	21	56.2	63.1	23	32	86.7	55.2	53
Creek	92	55.1	70.4	188	149	86.0	75.0	128
Custer	32	51.4	59.4	51	60	91.3	65.2	26
Delaware	30	32.4	29.4	39	80	83.7	59.5	89
Dewey	10	87.7	65.1	3	32	268.8	102.4	11
Ellis	18	180.2	118.7		16	157.7	66.4	2
Garfield	105	75.4	79.6	98	187	126.3	76.8	124
Garvin	41	62.7	57.6	159	56	79.6	44.2	22
Grady	59	52.3	70.4	34	105	88.9	70.1	86
Grant	13	105.4	81.0	21	14	107.3	52.5	2
Greer	14	83.9	79.1	8	27	204.4	86.4	30
Harmon	8	104.4	90.9	52	15	182.1	73.9	
Harper	9	105.5	80.8	28	19	213.7	112.7	28
Haskell	20	69.0	74.2	36	35	116.1	76.4	52
Hughes	24	66.5	64.1	4	36	105.8	61.9	82
Jackson	48	68.9	100.4	87	86	122.7	102.1	110
Jefferson	17	104.7	91.9	45	31	180.9	91.4	20
Johnston	15	58.3	60.4	74	21	78.7	54.8	59
Kay	92	79.5	77.6	122	131	106.5	63.5	96
Kingfisher	20	58.7	65.7	10	34	95.4	65.0	1
Kiowa	32	129.6	108.6	54	63	244.5	105.6	8
Latimer	10	38.2	31.1		17	63.3	46.4	7
Leflore	65	53.9	66.9	52	115	95.0	73.3	44

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 82. Number of deaths, age-adjusted death rate and years of potential life lost due to Cerebrovascular Disease by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: I60-I69

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	4,484	52.5	68.6	9,778	7,683	87.2	70.1	9,656
Lincoln	46	58.1	68.3	31	68	83.6	66.2	128
Logan	64	75.0	106.5	138	105	120.7	102.2	60
Love	17	77.6	77.0	33	15	67.3	45.0	
McClain	38	54.8	85.2	18	48	68.2	64.5	29
McCurtain	46	55.8	65.8	147	66	74.6	58.3	68
McIntosh	27	57.7	44.3	31	45	88.2	51.4	59
Major	13	70.9	58.6		19	98.8	49.1	
Marshall	16	48.4	55.3	28	31	91.7	59.3	65
Mayes	63	65.9	75.0	58	71	73.1	56.8	96
Murray	24	76.8	64.0	25	26	81.2	45.7	4
Muskogee	92	54.6	60.1	309	137	76.0	49.9	125
Noble	16	56.9	64.0	31	27	94.0	61.6	14
Nowata	12	45.8	47.6	12	34	125.9	79.9	57
Okfuskee	24	79.4	88.4	25	34	119.9	74.9	35
Oklahoma	817	50.5	72.9	2,194	1,545	90.2	78.9	2,603
Okmulgee	52	53.7	61.8	116	93	91.6	64.7	88
Osage	46	40.5	58.2	54	75	67.7	57.2	99
Ottawa	59	73.6	74.5	85	92	108.5	74.1	89
Pawnee	31	75.2	86.0	67	42	99.3	73.2	43
Payne	66	37.3	57.5	89	118	69.2	58.6	170
Pittsburg	57	51.4	51.9	105	78	71.6	43.6	100
Pontotoc	74	87.4	108.6	52	149	165.0	107.5	99
Pottawatomie	91	56.8	72.9	171	181	106.0	85.2	312
Pushmataha	15	53.2	53.2	19	32	105.5	69.9	74
Roger Mills	6	71.7	61.7	26	17	205.4	113.2	
Rogers	82	45.5	68.8	166	142	76.5	80.1	193
Seminole	35	58.6	57.3	65	76	119.0	76.5	57
Sequoyah	62	64.0	83.0	50	99	99.3	84.6	62
Stephens	71	68.4	64.6	197	135	122.3	73.1	69
Texas	15	29.0	46.0	79	23	47.4	51.5	32
Tillman	17	76.0	66.4	52	27	116.0	47.8	
Tulsa	624	45.3	66.9	1,644	1,059	72.8	64.6	1,527
Wagoner	46	31.4	53.7	85	67	44.9	55.7	120
Washington	71	60.3	55.0	71	122	95.8	61.4	134
Washita	26	94.1	81.4	32	26	88.2	48.2	24
Woods	15	66.1	57.5	49	38	175.0	67.1	1
Woodward	27	58.4	67.4	111	32	69.4	51.6	92
Unknown	1	-	-	-	4	-	-	9

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 83. Unintentional Injury Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	1,844	3,039,886	60.7	60.7
1981	1,858	3,096,133	60.0	59.1
1982	1,967	3,206,103	61.4	60.5
1983	1,668	3,290,412	50.7	51.2
1984	1,560	3,285,581	47.5	48.0
1985	1,522	3,271,395	46.5	46.9
1986	1,453	3,252,756	44.7	44.4
1987	1,336	3,210,172	41.6	41.7
1988	1,369	3,167,148	43.2	43.2
1989	1,297	3,150,372	41.2	41.1
1990	1,322	3,148,825	42.0	41.4
1991	1,376	3,175,440	43.3	42.9
1992	1,256	3,220,517	39.0	38.6
1993	1,422	3,252,285	43.7	43.5
1994	1,441	3,280,940	43.9	43.5
1995	1,377	3,308,208	41.6	41.1
1996	1,547	3,340,129	46.3	45.8
1997	1,562	3,372,917	46.3	45.7
1998	1,587	3,405,194	46.6	45.7
1999	1,511	3,437,147	44.0	43.3
2000	1,425	3,453,996	41.3	40.6
2001	1,653	3,467,181	47.7	47.0
2002	1,534	3,489,700	44.0	43.4
2003	1,738	3,511,532	49.5	49.2

Table 84. Unint'l Inj Deaths by Selected Demographics: OK, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	4,938	8,543,790	57.8	61.0
Female	2,923	8,815,766	33.2	30.1
White	6,681	14,075,091	47.5	45.4
Black	475	1,426,293	33.3	40.5
Am Indian	636	1,563,294	40.7	46.9
Other	56	294,878	19.0	24.7
Hispanic ¹	284	925,702	30.7	36.3
Under 1	57	244,840	23.3	-
1-4 years	146	948,993	15.4	-
5-14 years	231	2,449,559	9.4	-
15-24 years	1,170	2,622,537	44.6	-
25-34 years	877	2,274,199	38.6	-
35-44 years	1,202	2,559,365	47.0	-
45-54 years	970	2,328,619	41.7	-
55-64 years	648	1,642,658	39.4	-
65-74 years	680	1,209,378	56.2	-
75-84 years	910	791,433	115.0	-
85+ years	964	287,975	334.8	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD-9: E800-E949 ICD-10: V01-X59, Y85-Y86

¹Hispanic deaths are of any race

Figure 15. Age-Adjusted Unintentional Injury Death Rates by Select Demographic Groups, Oklahoma 1999-2003

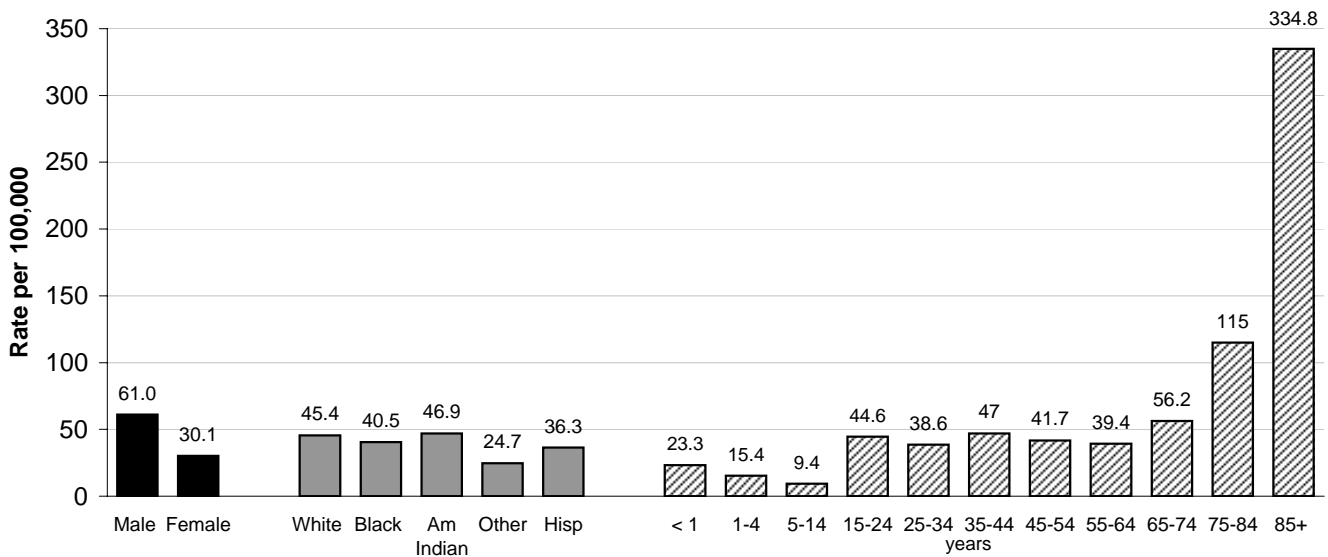


Table 85. Number of deaths, age-adjusted death rate and years of potential life lost due to Unintentional Injuries Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: V01-X59, Y85-Y86

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	7,861	17,359,556	45.3	45.2	159,659
Adair	74	106,161	69.7	73.5	1,789
Alfalfa	16	30,079	53.2	50.1	330
Atoka	51	69,735	73.1	71.3	1,116
Beaver	21	28,645	73.3	72.2	404
Beckham	59	99,448	59.3	56.6	1,319
Blaine	48	59,292	81.0	77.1	1,041
Bryan	99	183,705	53.9	52.6	2,171
Caddo	100	150,440	66.5	64.8	1,894
Canadian	146	448,159	32.6	35.8	2,984
Carter	123	229,302	53.6	52.3	2,704
Cherokee	116	214,607	54.1	55.8	2,288
Choctaw	60	76,612	78.3	75.8	1,151
Cimarron	13	15,285	85.1	80.5	306
Cleveland	288	1,063,357	27.1	30.6	6,680
Coal	22	30,004	73.3	73.4	597
Comanche	159	570,657	27.9	31.4	3,587
Cotton	15	32,721	45.8	41.9	276
Craig	51	74,290	68.6	64.1	903
Creek	175	340,161	51.4	52.8	3,997
Custer	62	128,011	48.4	46.0	1,720
Delaware	94	188,165	50.0	48.8	1,721
Dewey	21	23,305	90.1	84.3	388
Ellis	13	20,134	64.6	58.5	198
Garfield	118	287,384	41.1	37.8	2,152
Garvin	92	135,759	67.8	62.2	1,812
Grady	135	230,922	58.5	58.8	3,215
Grant	21	25,373	82.8	64.7	225
Greer	15	29,894	50.2	42.9	282
Harmon	11	15,898	69.2	59.1	213
Harper	14	17,419	80.4	67.6	220
Haskell	44	59,136	74.4	73.5	1,060
Hughes	53	70,093	75.6	67.2	882
Jackson	50	139,788	35.8	37.0	1,136
Jefferson	21	33,371	62.9	56.2	310
Johnston	34	52,396	64.9	66.4	750
Kay	140	238,732	58.6	53.6	2,549
Kingfisher	42	69,710	60.2	58.7	1,005
Kiowa	29	50,462	57.5	54.0	669
Latimer	41	53,063	77.3	72.5	898
Leflore	157	241,719	65.0	65.1	3,432

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

-Denote no events in that category

Table 85. Number of deaths, age-adjusted death rate and years of potential life lost due to Unintentional Injuries Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: V01-X59, Y85-Y86

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	7,861	17,359,556	45.3	45.2	159,659
Lincoln	85	160,560	52.9	52.0	1,730
Logan	56	172,317	32.5	32.9	1,487
Love	23	44,179	52.1	52.4	519
McClain	69	139,759	49.4	51.2	1,401
McCurtain	101	170,978	59.1	60.4	2,604
McIntosh	54	97,827	55.2	48.8	819
Major	16	37,575	42.6	43.1	402
Marshall	41	66,835	61.3	57.4	739
Mayes	137	192,725	71.1	71.7	2,689
Murray	48	63,286	75.8	68.6	841
Muskogee	161	348,671	46.2	44.6	3,124
Noble	36	56,839	63.3	58.7	429
Nowata	37	53,193	69.6	68.5	881
Okfuskee	39	58,571	66.6	63.3	710
Oklahoma	1,266	3,330,794	38.0	38.9	24,735
Okmulgee	104	198,345	52.4	50.7	1,750
Osage	96	224,196	42.8	43.9	2,007
Ottawa	91	164,978	55.2	53.8	1,916
Pawnee	55	83,535	65.8	66.1	1,091
Payne	128	347,251	36.9	39.8	2,572
Pittsburg	140	219,724	63.7	60.9	2,758
Pontotoc	87	175,028	49.7	48.9	2,013
Pottawatomie	168	330,920	50.8	50.7	3,345
Pushmataha	37	58,503	63.2	61.9	720
Roger Mills	13	16,648	78.1	84.5	398
Rogers	160	365,923	43.7	47.0	3,346
Seminole	84	123,609	68.0	65.9	1,635
Sequoyah	83	196,597	42.2	43.0	1,861
Stephens	115	214,193	53.7	49.9	1,949
Texas	40	100,203	39.9	43.9	803
Tillman	31	45,641	67.9	61.1	535
Tulsa	1,105	2,831,969	39.0	40.4	21,236
Wagoner	107	295,685	36.2	40.5	2,356
Washington	109	245,218	44.5	41.4	2,082
Washita	26	57,089	45.5	42.9	540
Woods	24	44,422	54.0	46.1	359
Woodward	36	92,376	39.0	38.0	708
Unknown	10	-	-	-	195

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

-Denote no events in that category

Table 86. Number of deaths, age-adjusted death rate and years of potential life lost due to Unintentional Injury by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: V01-X59, Y85-Y86

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	4,938	57.8	61.6	111,218	2,923	33.2	30.5	48,441
Adair	47	89.6	94.9	1,219	27	50.3	49.9	570
Alfalfa	9	52.8	58.2	211	7	53.7	43.0	119
Atoka	36	95.4	102.2	950	15	46.9	38.3	166
Beaver	14	96.7	100.8	328	7	49.4	42.9	76
Beckham	36	69.3	70.0	931	23	48.4	41.1	388
Blaine	32	99.4	99.0	811	16	59.0	47.5	230
Bryan	57	63.5	64.8	1,344	42	44.7	41.7	827
Caddo	58	77.6	81.0	1,198	42	55.5	50.4	696
Canadian	95	42.5	47.4	2,062	51	22.7	23.8	922
Carter	74	66.9	69.3	1,643	49	41.3	38.3	1,061
Cherokee	74	70.2	78.6	1,663	42	38.5	37.3	625
Choctaw	43	118.2	120.4	946	17	42.3	34.3	205
Cimarron	9	119.4	125.6	269	4	51.6	36.7	37
Cleveland	189	35.4	39.9	4,968	99	18.7	21.3	1,712
Coal	13	88.4	91.3	404	9	58.9	52.9	193
Comanche	102	34.5	42.4	2,632	57	20.7	21.6	955
Cotton	6	36.9	38.2	130	9	54.7	44.6	146
Craig	35	93.7	98.0	751	16	43.3	35.9	152
Creek	109	65.3	68.6	2,655	66	38.1	37.1	1,342
Custer	44	70.6	68.6	1,214	18	27.4	25.2	506
Delaware	51	55.1	56.6	914	43	45.0	43.0	807
Dewey	13	114.0	112.0	242	8	67.2	56.1	146
Ellis	9	90.1	90.9	184	4	39.4	22.5	14
Garfield	75	53.9	54.9	1,547	43	29.0	22.8	605
Garvin	61	93.2	92.4	1,404	31	44.1	33.7	408
Grady	79	70.0	73.8	2,072	56	47.4	44.7	1,143
Grant	14	113.5	97.6	202	7	53.7	33.4	23
Greer	8	48.0	45.1	142	7	53.0	42.8	140
Harmon	5	65.3	66.5	146	6	72.9	48.2	67
Harper	8	93.8	82.4	119	6	67.5	49.0	101
Haskell	27	93.1	99.0	822	17	56.4	45.7	238
Hughes	33	91.5	86.8	556	20	58.8	49.9	326
Jackson	29	41.6	46.3	665	21	30.0	29.3	471
Jefferson	17	104.7	97.0	258	4	23.3	19.4	52
Johnston	22	85.6	89.7	487	12	45.0	44.4	263
Kay	91	78.7	79.1	1,966	49	39.8	30.4	583
Kingfisher	26	76.3	78.0	659	16	44.9	42.1	346
Kiowa	23	93.1	91.1	498	6	23.3	20.2	171
Latimer	25	95.5	92.0	572	16	59.5	51.1	326
Leflore	101	83.7	85.4	2,464	56	46.3	43.8	968

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 86. Number of deaths, age-adjusted death rate and years of potential life lost due to Unintentional Injury by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: V01-X59, Y85-Y86

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	4,938	57.8	61.6	111,218	2,923	33.2	30.5	48,441
Lincoln	53	66.9	68.4	1,195	32	39.4	37.0	535
Logan	32	37.5	40.7	802	24	27.6	27.3	685
Love	16	73.0	77.7	428	7	31.4	27.0	91
McClain	49	70.6	80.2	1,184	20	28.4	27.5	217
McCurtain	73	88.5	95.2	1,978	28	31.6	30.6	626
McIntosh	34	72.7	64.9	537	20	39.2	34.2	282
Major	11	60.0	64.0	289	5	26.0	21.2	113
Marshall	27	81.7	83.0	439	14	41.4	36.9	300
Mayer	94	98.3	106.0	1,914	43	44.3	41.1	775
Murray	29	92.8	92.8	599	19	59.3	48.2	242
Muskogee	96	57.0	59.5	2,103	65	36.1	32.1	1,021
Noble	22	78.3	83.0	331	14	48.7	37.0	98
Nowata	25	95.5	99.0	608	12	44.4	40.4	273
Okfuskee	21	69.5	65.9	316	18	63.5	56.6	394
Oklahoma	764	47.2	51.8	17,394	502	29.3	27.5	7,341
Okmulgee	68	70.2	76.2	1,079	36	35.5	32.6	671
Osage	64	56.4	62.4	1,447	32	28.9	27.9	560
Ottawa	58	72.3	74.4	1,569	33	38.9	32.5	347
Pawnee	35	84.9	89.6	733	20	47.3	45.7	358
Payne	82	46.4	56.0	1,805	46	27.0	26.1	767
Pittsburg	97	87.6	86.6	2,019	43	39.5	35.3	739
Pontotoc	50	59.0	60.4	1,158	37	41.0	38.5	855
Pottawatomie	104	64.9	71.5	2,324	64	37.5	34.4	1,021
Pushmataha	22	78.1	78.9	436	15	49.5	47.2	284
Roger Mills	9	107.5	122.9	357	4	48.3	35.6	41
Rogers	99	54.9	62.6	2,152	61	32.9	33.8	1,194
Seminole	64	107.1	108.0	1,312	20	31.3	27.8	323
Sequoyah	57	58.8	62.5	1,377	26	26.1	25.6	484
Stephens	76	73.2	74.3	1,322	39	35.3	31.0	627
Texas	27	52.3	56.8	674	13	26.8	28.6	129
Tillman	17	76.0	75.2	325	14	60.2	47.9	210
Tulsa	661	48.0	54.3	14,472	444	30.5	29.1	6,764
Wagoner	71	48.5	56.8	1,657	36	24.1	26.1	699
Washington	67	56.9	55.4	1,305	42	33.0	28.8	777
Washita	19	68.8	67.4	385	7	23.8	19.9	155
Woods	15	66.1	67.1	272	9	41.4	27.8	87
Woodward	25	54.0	55.6	512	11	23.9	22.5	196
Unknown	6	.	.	161	4	.	.	34

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 87. Diabetes Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	421	3,039,886	13.8	15.0
1981	492	3,096,133	15.9	16.9
1982	493	3,206,103	15.4	16.7
1983	476	3,290,412	14.5	15.7
1984	423	3,285,581	12.9	13.8
1985	439	3,271,395	13.4	14.1
1986	498	3,252,756	15.3	16.0
1987	461	3,210,172	14.4	14.9
1988	540	3,167,148	17.1	17.2
1989	481	3,150,372	15.3	15.1
1990	500	3,148,825	15.9	15.7
1991	544	3,175,440	17.1	16.9
1992	575	3,220,517	17.9	17.4
1993	622	3,252,285	19.1	18.5
1994	628	3,280,940	19.1	18.5
1995	627	3,308,208	19.0	18.3
1996	712	3,340,129	21.3	20.5
1997	921	3,372,917	27.3	26.2
1998	924	3,405,194	27.1	25.9
1999	959	3,437,147	27.9	27.1
2000	959	3,453,996	27.8	26.8
2001	1,042	3,467,181	30.1	28.9
2002	1,042	3,489,700	29.9	28.7
2003	1,088	3,511,532	31.0	29.7

Table 88. Diabetes Deaths Selected Demographics: OK, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	2,195	8,543,790	25.7	29.3
Female	2,895	8,815,766	32.8	27.4
White	3,925	14,075,091	27.9	24.5
Black	517	1,426,293	36.2	59.0
Am Indian	628	1,563,294	40.2	64.0
Other	16	294,878	5.1	15.9
Hispanic ¹	96	925,702	10.4	34.7
Under 1	-	244,840	-	-
1-4 years	-	948,993	-	-
5-14 years	1	2,449,559	++	-
15-24 years	15	2,622,537	0.6	-
25-34 years	45	2,274,199	2.0	-
35-44 years	185	2,559,365	7.2	-
45-54 years	437	2,328,619	18.8	-
55-64 years	687	1,642,658	41.8	-
65-74 years	1,162	1,209,378	96.1	-
75-84 years	1,573	791,433	198.8	-
85+ years	983	287,975	341.3	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD-9: 250 ICD-10: E10-E14

¹Hispanic deaths are of any race

++ Rates are not calculated for fewer than 5 events due to instability

Figure 16. Age-Adjusted Diabetes Death Rates by Select Demographic Groups, Oklahoma 1999-2003

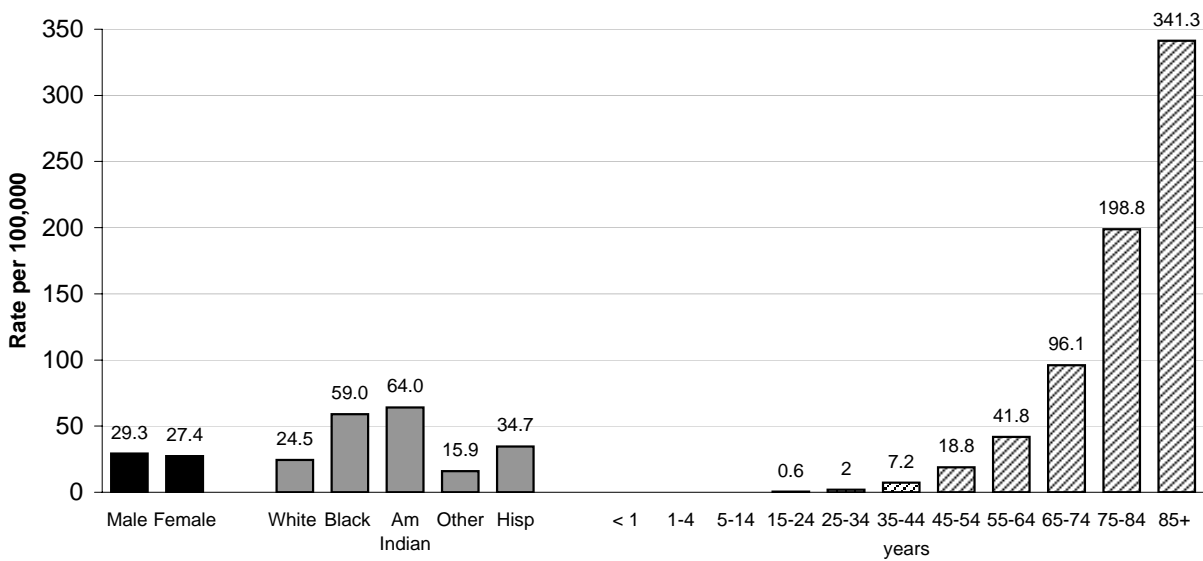


Table 89. Number of deaths, age-adjusted death rate and years of potential life lost due to Diabetes Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: E10-E14

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	5,090	17,359,556	29.3	29.2	16,635
Adair	57	106,161	53.7	58.3	182
Alfalfa	13	30,079	43.2	30.0	38
Atoka	27	69,735	38.7	35.6	43
Beaver	8	28,645	27.9	20.8	2
Beckham	31	99,448	31.2	27.0	51
Blaine	25	59,292	42.2	34.0	55
Bryan	72	183,705	39.2	34.1	161
Caddo	83	150,440	55.2	50.4	250
Canadian	72	448,159	16.1	21.3	101
Carter	69	229,302	30.1	25.9	304
Cherokee	86	214,607	40.1	43.3	409
Choctaw	22	76,612	28.7	22.8	71
Cimarron	4	15,285	++	++	27
Cleveland	184	1,063,357	17.3	24.7	714
Coal	6	30,004	20.0	16.8	25
Comanche	136	570,657	23.8	31.5	552
Cotton	12	32,721	36.7	29.7	93
Craig	21	74,290	28.3	23.1	22
Creek	117	340,161	34.4	34.3	431
Custer	58	128,011	45.3	43.5	221
Delaware	68	188,165	36.1	29.7	253
Dewey	16	23,305	68.7	40.9	10
Ellis	15	20,134	74.5	45.0	46
Garfield	128	287,384	44.5	37.0	400
Garvin	51	135,759	37.6	28.5	152
Grady	59	230,922	25.5	25.4	192
Grant	16	25,373	63.1	41.9	37
Greer	8	29,894	26.8	19.2	12
Harmon	26	15,898	163.5	98.2	77
Harper	2	17,419	++	++	-
Haskell	32	59,136	54.1	41.1	13
Hughes	43	70,093	61.3	47.2	101
Jackson	30	139,788	21.5	23.0	205
Jefferson	20	33,371	59.9	40.1	25
Johnston	21	52,396	40.1	35.7	100
Kay	104	238,732	43.6	35.2	324
Kingfisher	28	69,710	40.2	33.6	24
Kiowa	25	50,462	49.5	32.3	24
Latimer	20	53,063	37.7	33.0	53
Leflore	76	241,719	31.4	30.1	277

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 89. Number of deaths, age-adjusted death rate and years of potential life lost due to Diabetes Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: E10-E14

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	5,090	17,359,556	29.3	29.2	16,635
Lincoln	43	160,560	26.8	24.6	191
Logan	37	172,317	21.5	22.8	89
Love	14	44,179	31.7	25.1	13
McClain	8	37,575	21.3	14.2	15
McCurtain	28	66,835	41.9	30.2	24
McIntosh	55	192,725	28.5	26.1	130
Major	36	139,759	25.8	27.4	119
Marshall	93	170,978	54.4	52.3	288
Mayes	31	97,827	31.7	22.0	91
Murray	30	63,286	47.4	34.4	31
Muskogee	116	348,671	33.3	29.7	528
Noble	22	56,839	38.7	33.8	58
Nowata	9	53,193	16.9	13.2	5
Okfuskee	32	58,571	54.6	46.3	129
Oklahoma	885	3,330,794	26.6	28.5	2,911
Okmulgee	104	198,345	52.4	47.1	342
Osage	66	224,196	29.4	28.9	311
Ottawa	62	164,978	37.6	30.9	145
Pawnee	26	83,535	31.1	27.3	31
Payne	53	347,251	15.3	18.2	73
Pittsburg	42	219,724	19.1	15.7	207
Pontotoc	64	175,028	36.6	32.7	170
Pottawatomie	97	330,920	29.3	28.8	355
Pushmataha	17	58,503	29.1	20.4	27
Roger Mills	6	16,648	36.0	26.3	11
Rogers	85	365,923	23.2	26.7	348
Seminole	48	123,609	38.8	32.6	162
Sequoyah	54	196,597	27.5	27.5	211
Stephens	102	214,193	47.6	36.4	225
Texas	17	100,203	17.0	21.4	33
Tillman	28	45,641	61.3	44.6	63
Tulsa	688	2,831,969	24.3	26.5	2,666
Wagoner	65	295,685	22.0	28.6	270
Washington	80	245,218	32.6	24.5	106
Washita	23	57,089	40.3	26.0	-
Woods	10	44,422	22.5	14.3	29
Woodward	23	92,376	24.9	23.0	151

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 906. Number of deaths, age-adjusted death rate and years of potential life lost due to Diabetes by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: E10-E14

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	1,701	25.0	29.6	6,876	2,301	32.7	28.0	5,986
Adair	26	49.6	63.4	54	31	57.7	56.9	128
Alfalfa	7	41.1	34.8	20	6	46.0	29.0	18
Atoka	11	29.2	34.9	3	16	50.0	37.8	40
Beaver	7	48.4	43.2	2	1	++	++	-
Beckham	9	17.3	19.6	12	22	46.3	32.4	39
Blaine	9	28.0	29.4	-	16	59.0	40.1	55
Bryan	30	33.4	35.2	149	42	44.7	32.1	12
Caddo	35	46.8	49.6	176	48	63.4	48.8	74
Canadian	39	17.4	27.4	64	33	14.7	16.9	37
Carter	37	33.5	34.8	175	32	26.9	20.1	129
Cherokee	34	32.2	38.1	130	52	47.7	48.7	279
Choctaw	9	24.7	23.1	71	13	32.3	21.6	-
Cimarron	3	++	++	27	1	12.9	7.1	-
Cleveland	90	16.8	27.7	389	94	17.8	22.5	325
Coal	2	++	++	13	4	++	++	12
Comanche	62	21.0	33.8	282	74	26.9	29.8	270
Cotton	4	++	++	12	8	48.6	35.9	81
Craig	12	32.1	33.6	22	9	24.4	16.1	-
Creek	59	35.4	41.6	242	58	33.5	29.7	189
Custer	21	33.7	38.0	120	37	56.3	47.4	101
Delaware	35	37.8	35.8	180	33	34.5	25.3	73
Dewey	8	70.2	53.0	10	8	67.2	33.9	-
Ellis	6	60.1	44.2	27	9	88.7	41.4	19
Garfield	52	37.3	37.8	138	76	51.3	37.5	262
Garvin	22	33.6	31.1	105	29	41.2	27.0	47
Grady	23	20.4	25.4	57	36	30.5	26.6	135
Grant	9	73.0	59.4	32	7	53.7	28.1	5
Greer	4	++	++	8	4	++	++	4
Harmon	11	143.6	128.1	58	15	182.1	74.7	19
Harper	-	-	-	-	2	++	++	-
Haskell	8	27.6	25.0	4	24	79.6	49.7	9
Hughes	20	55.5	52.5	63	23	67.6	43.6	38
Jackson	12	17.2	21.8	94	18	25.7	23.8	111
Jefferson	7	43.1	35.3	15	13	75.9	43.3	10
Johnston	10	38.9	40.6	35	11	41.2	34.0	65
Kay	43	37.2	35.7	143	61	49.6	35.1	181
Kingfisher	12	35.2	41.0	13	16	44.9	31.5	11
Kiowa	6	24.3	20.6	12	19	73.7	40.8	12
Latimer	8	30.5	29.9	42	12	44.7	35.8	11
Leflore	35	29.0	31.0	181	41	33.9	28.2	96

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 906. Number of deaths, age-adjusted death rate and years of potential life lost due to Diabetes by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: E10-E14

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	1,701	25.0	29.6	6,876	2,301	32.7	28.0	5,986
Lincoln	19	24.0	25.4	128	24	29.5	24.9	63
Logan	10	11.7	13.1	81	27	31.0	28.1	8
Love	7	32.0	31.0	6	7	31.4	19.5	7
McClain	19	27.4	32.8	78	17	24.2	22.7	41
McCurtain	39	47.3	53.9	107	54	61.0	51.1	181
McIntosh	17	36.3	27.5	36	14	27.4	18.9	55
Major	3	++	++	10	5	26.0	15.6	5
Marshall	11	33.3	29.8	7	17	50.3	31.0	17
Mayer	27	28.2	29.8	80	28	28.8	23.0	50
Murray	13	41.6	33.8	18	17	53.1	35.8	13
Muskogee	42	24.9	26.0	285	74	41.1	31.8	243
Noble	9	32.0	31.9	16	13	45.2	33.8	42
Nowata	1	++	++	5	8	29.6	20.4	-
Okfuskee	16	53.0	58.8	76	16	56.4	42.6	53
Oklahoma	379	23.4	30.1	1,693	506	29.5	27.2	1,218
Okmulgee	39	40.3	41.2	176	65	64.0	49.2	166
Osage	33	29.1	32.2	231	33	29.8	25.2	80
Ottawa	23	28.7	26.5	47	39	46.0	32.9	98
Pawnee	10	24.2	25.2	8	16	37.8	29.2	23
Payne	25	14.1	21.3	70	28	16.4	15.7	3
Pittsburg	20	18.1	16.7	166	22	20.2	13.4	41
Pontotoc	34	40.1	44.0	104	30	33.2	25.1	66
Pottawatomie	39	24.4	27.7	178	58	34.0	29.3	177
Pushmataha	4	++	++	3	13	42.9	24.7	24
Roger Mills	2	++	++	4	4	++	++	7
Rogers	42	23.3	30.8	170	43	23.2	24.2	178
Seminole	17	28.4	28.4	93	31	48.5	36.4	69
Sequoyah	23	23.7	25.3	126	31	31.1	27.8	85
Stephens	37	35.6	32.0	72	65	58.9	40.6	153
Texas	8	15.5	22.0	13	9	18.5	20.7	20
Tillman	9	40.2	35.2	20	19	81.7	49.5	43
Tulsa	288	20.9	27.7	1,321	400	27.5	25.8	1,345
Wagoner	32	21.9	26.9	179	33	22.1	27.2	91
Washington	42	35.6	31.5	71	38	29.8	20.0	35
Washita	6	21.7	18.0	-	17	57.7	27.8	.
Woods	2	++	++	-	8	36.8	18.2	29
Woodward	11	23.8	25.1	34	12	26.0	21.8	117

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 91. Influenza and Pneumonia Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	768	3,039,886	25.3	29.4
1981	859	3,096,133	27.7	32.4
1982	787	3,206,103	24.5	28.4
1983	876	3,290,412	26.6	31.3
1984	925	3,285,581	28.2	32.4
1985	1,038	3,271,395	31.7	35.5
1986	1,073	3,252,756	33.0	36.2
1987	1,099	3,210,172	34.2	36.6
1988	1,163	3,167,148	36.7	38.2
1989	1,226	3,150,372	38.9	39.4
1990	1,267	3,148,825	40.2	40.1
1991	1,173	3,175,440	36.9	36.2
1992	1,250	3,220,517	38.8	37.6
1993	1,345	3,252,285	41.4	39.7
1994	1,392	3,280,940	42.4	40.6
1995	1,337	3,308,208	40.4	38.2
1996	1,349	3,340,129	40.4	38.1
1997	1,291	3,372,917	38.3	36.0
1998	1,344	3,405,194	39.5	37.2
1999*	1,011	3,437,147	29.4	28.2
2000*	880	3,453,996	25.5	24.4
2001*	909	3,467,181	26.2	25.1
2002*	910	3,489,700	26.1	24.9
2003*	946	3,511,532	26.9	25.7

Table 92. Flu and Pneu Deaths by Selected Demographics: OK, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	1,973	8,543,790	23.1	30.3
Female	2,683	8,815,766	30.4	23.0
White	4,270	14,075,091	30.3	26.1
Black	192	1,426,293	13.5	21.9
Am Indian	185	1,563,294	11.8	21.0
Other	5	294,878	1.7	4.3
Hispanic ¹	42	925,702	4.5	18.0
Under 1	20	244,840	8	-
1-4 years	7	948,993	0.7	-
5-14 years	8	2,449,559	0.3	-
15-24 years	17	2,622,537	0.6	-
25-34 years	24	2,274,199	1.1	-
35-44 years	80	2,559,365	3.1	-
45-54 years	135	2,328,619	5.8	-
55-64 years	235	1,642,658	14.3	-
65-74 years	505	1,209,378	41.8	-
75-84 years	1,355	791,433	171.2	-
85+ years	2,269	287,975	787.9	-

All rates are deaths per 100,000 population.
 Age-adjusted rates based on 2000 U.S. population standard.
 ICD-9: 480-487 ICD-10: J10-J18
¹Hispanic deaths are of any race
 ++ Rates are not calculated for fewer than 5 events due to instability

*Note: Trends through 1998 are not comparable to trends from 1999 on due to major changes in the ICD coding. Influenza was not affected significantly but Pneumonia is less likely to be listed the underlying cause under ICD10 guidelines.

Figure 17. Age-Adjusted Influenza and Pneumonia Death Rates by Select Demographic Groups, Oklahoma 1999-2003

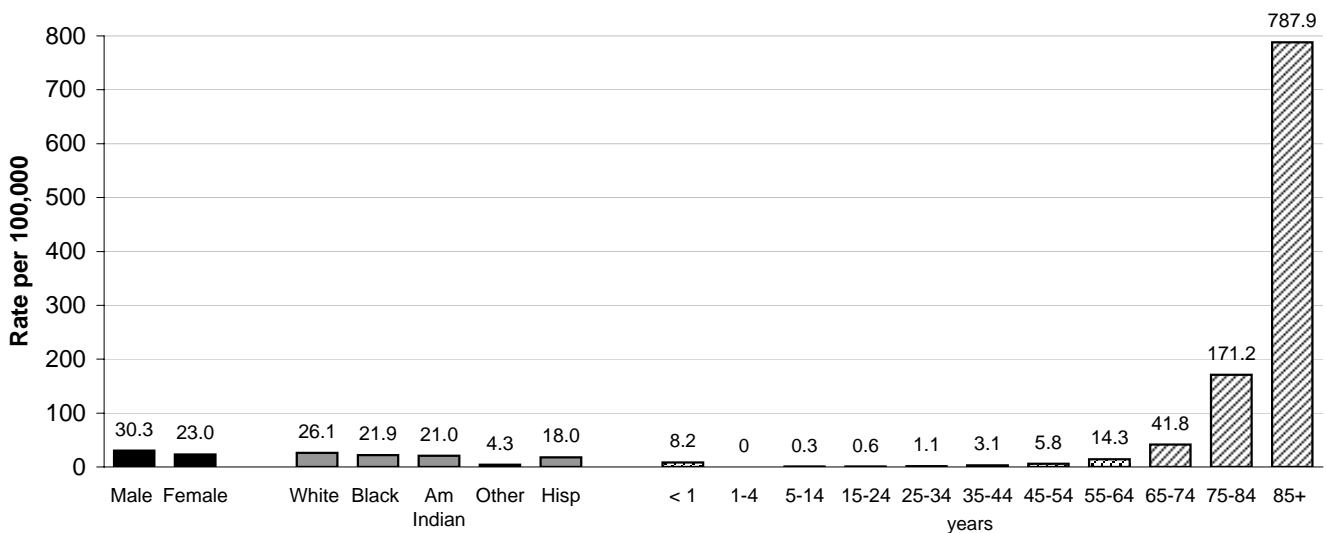


Table 93. Number of deaths, age-adjusted death rate and years of potential life lost due to Influenza and Pneumonia Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: J10-J18

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	4,656	17,359,556	26.8	26.8	9,001
Adair	33	106,161	31.1	37.3	77
Alfalfa	41	30,079	136.3	70.9	26
Atoka	30	69,735	43.0	41.6	4
Beaver	12	28,645	41.9	29.7	10
Beckham	33	99,448	33.2	26.8	81
Blaine	30	59,292	50.6	36.2	26
Bryan	57	183,705	31.0	26.0	116
Caddo	57	150,440	37.9	33.2	189
Canadian	79	448,159	17.6	24.4	248
Carter	81	229,302	35.3	28.8	129
Cherokee	56	214,607	26.1	30.9	82
Choctaw	37	76,612	48.3	34.5	59
Cimarron	8	15,285	52.3	33.2	13
Cleveland	165	1,063,357	15.5	25.4	432
Coal	5	30,004	16.7	12.1	-
Comanche	127	570,657	22.3	31.2	399
Cotton	6	32,721	18.3	11.6	-
Craig	35	74,290	47.1	38.4	66
Creek	86	340,161	25.3	26.9	192
Custer	65	128,011	50.8	45.4	110
Delaware	42	188,165	22.3	18.4	38
Dewey	17	23,305	72.9	40.3	46
Ellis	15	20,134	74.5	37.2	1
Garfield	131	287,384	45.6	34.4	120
Garvin	54	135,759	39.8	26.9	94
Grady	56	230,922	24.3	23.5	49
Grant	8	25,373	31.5	17.0	-
Greer	16	29,894	53.5	29.5	-
Harmon	11	15,898	69.2	31.5	-
Harper	4	++	++	11.3	-
Haskell	33	59,136	55.8	44.0	60
Hughes	25	70,093	35.7	23.4	9
Jackson	53	139,788	37.9	40.2	48
Jefferson	14	33,371	42.0	26.3	11
Johnston	27	52,396	51.5	43.5	19
Kay	78	238,732	32.7	24.1	167
Kingfisher	31	69,710	44.5	36.0	9
Kiowa	24	50,462	47.6	27.5	44
Latimer	17	53,063	32.0	26.1	9
Leflore	97	241,719	40.1	38.3	115

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 93. Number of deaths, age-adjusted death rate and years of potential life lost due to Influenza and Pneumonia Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: J10-J18

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	4,656	17,359,556	26.8	26.8	9,001
Lincoln	57	160,560	35.5	34.0	29
Logan	37	172,317	21.5	23.1	36
Love	19	44,179	43.0	33.4	.
McClain	44	139,759	31.5	38.1	72
McCurtain	43	170,978	25.1	24.5	181
McIntosh	48	97,827	49.1	33.9	121
Major	11	37,575	29.3	17.5	-
Marshall	20	66,835	29.9	21.9	20
Mayes	39	192,725	20.2	19.6	90
Murray	44	63,286	69.5	49.6	61
Muskogee	114	348,671	32.7	26.7	189
Noble	33	56,839	58.1	49.2	27
Nowata	24	53,193	45.1	33.7	24
Okfuskee	20	58,571	34.1	27.3	25
Oklahoma	662	3,330,794	19.9	21.6	1,744
Okmulgee	64	198,345	32.3	27.5	92
Osage	38	224,196	16.9	17.7	96
Ottawa	53	164,978	32.1	27.2	106
Pawnee	19	83,535	22.7	20.0	21
Payne	81	347,251	23.3	25.6	146
Pittsburg	95	219,724	43.2	33.1	149
Pontotoc	86	175,028	49.1	41.8	90
Pottawatomie	101	330,920	30.5	29.9	180
Pushmataha	26	58,503	44.4	31.5	4
Roger Mills	6	16,648	36.0	23.0	-
Rogers	72	365,923	19.7	24.5	128
Seminole	41	123,609	33.2	26.7	114
Sequoyah	45	196,597	22.9	23.7	39
Stephens	54	214,193	25.2	18.9	72
Texas	22	100,203	22.0	29.2	28
Tillman	23	45,641	50.4	31.0	85
Tulsa	537	2,831,969	19.0	21.2	1,427
Wagoner	50	295,685	16.9	24.4	103
Washington	98	245,218	40.0	30.3	179
Washita	20	57,089	35.0	23.5	78
Woods	83	44,422	186.8	98.2	23
Woodward	29	92,376	31.4	27.7	124
Unknown	2	-	-	-	-

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

Table 94. Number of deaths, age-adjusted death rate and years of potential life lost due to Influenza and Pneumonia by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: J10-J18

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	1,973	23.1	31.7	4,865	2,683	30.4	24.1	4,136
Adair	12	22.9	36.6	34	21	39.1	37.6	43
Alfalfa	14	82.1	69.7	22	27	207.1	73.4	4
Atoka	15	39.8	59.6	4	15	46.9	31.1	-
Beaver	6	41.5	37.1	-	6	42.3	27.8	10
Beckham	12	23.1	25.5	27	21	44.2	26.9	54
Blaine	13	40.4	41.6	26	17	62.7	30.3	-
Bryan	21	23.4	26.0	49	36	38.3	26.3	67
Caddo	28	37.4	43.9	161	29	38.3	25.3	28
Canadian	31	13.9	27.1	175	48	21.4	23.4	73
Carter	32	28.9	32.3	45	49	41.3	27.5	84
Cherokee	27	25.6	36.4	82	29	26.6	25.4	-
Choctaw	10	27.5	25.1	11	27	67.1	38.6	48
Cimarron	3	++	++	13	5	64.5	29.6	-
Cleveland	70	13.1	28.3	202	95	18.0	23.4	230
Coal	2	++	++	-	3	++	++	-
Comanche	54	18.3	33.1	218	73	26.5	28.1	181
Cotton	3	++	++	-	3	++	++	-
Craig	14	37.5	40.1	54	21	56.9	36.1	12
Creek	35	21.0	28.0	156	51	29.4	25.3	36
Custer	25	40.1	45.5	88	40	60.9	44.5	22
Delaware	15	16.2	16.7	5	27	28.3	20.4	33
Dewey	6	52.6	40.8	46	11	92.4	41.7	-
Ellis	6	60.1	39.8	1	9	88.7	33.6	-
Garfield	61	43.8	46.9	94	70	47.3	27.6	26
Garvin	22	33.6	31.3	58	32	45.5	25.1	36
Grady	14	12.4	17.6	14	42	35.6	27.2	35
Grant	6	48.7	28.9	-	2	++	++	-
Greer	6	36.0	31.8	-	10	75.7	24.4	-
Harmon	-	-	-	-	11	133.6	45.8	-
Harper	1	++	++	-	3	++	++	-
Haskell	16	55.2	64.6	34	17	56.4	34.2	26
Hughes	13	36.0	35.5	-	12	35.3	17.3	9
Jackson	21	30.1	45.2	9	32	45.6	39.6	39
Jefferson	7	43.1	37.2	8	7	40.8	20.4	3
Johnston	14	54.5	60.5	2	13	48.7	34.0	17
Kay	37	32.0	32.9	157	41	33.3	19.0	10
Kingfisher	13	38.1	46.2	4	18	50.5	31.5	5
Kiowa	9	36.4	30.8	23	15	58.2	26.6	21
Latimer	12	45.8	37.5	9	5	18.6	14.1	-
Leflore	38	31.5	39.4	54	59	48.7	36.3	61

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

-Denote no events in that category

Table 94. Number of deaths, age-adjusted death rate and years of potential life lost due to Influenza and Pneumonia by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: J10-J18

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	1,973	23.1	31.7	4,865	2,683	30.4	24.1	4,136
Lincoln	17	21.5	25.6	16	40	49.2	37.9	13
Logan	21	24.6	39.4	-	16	18.4	16.8	36
Love	7	32.0	35.2	-	12	53.9	33.6	-
McClain	21	30.3	52.3	1	23	32.7	29.6	71
McCurtain	15	18.2	23.7	98	28	31.6	24.8	83
McIntosh	20	42.8	40.5	121	28	54.8	30.1	-
Major	6	32.7	26.7	-	5	26.0	11.1	-
Marshall	11	33.3	30.2	-	9	26.6	17.6	20
Mayes	14	14.6	17.8	80	25	25.8	19.4	10
Murray	22	70.4	63.7	47	22	68.7	39.3	14
Muskogee	45	26.7	31.0	40	69	38.3	24.6	149
Noble	13	46.3	57.8	10	20	69.6	48.3	17
Nowata	14	53.5	55.1	24	10	37.0	18.6	-
Okfuskee	9	29.8	38.8	-	11	38.8	25.1	25
Oklahoma	304	18.8	27.6	908	358	20.9	18.2	836
Okmulgee	28	28.9	34.3	38	36	35.5	24.4	54
Osage	16	14.1	20.6	65	22	19.9	16.8	31
Ottawa	28	34.9	41.5	67	25	29.5	20.1	39
Pawnee	8	19.4	20.9	20	11	26.0	19.3	1
Payne	38	21.5	33.2	63	43	25.2	20.7	83
Pittsburg	31	28.0	32.6	43	64	58.8	35.4	106
Pontotoc	28	33.1	42.5	9	58	64.2	41.7	81
Pottawatomie	48	30.0	41.6	63	53	31.0	24.7	117
Pushmataha	11	39.0	38.7	4	15	49.5	27.7	-
Roger Mills	3	++	++	-	3	++	++	-
Rogers	29	16.1	25.1	38	43	23.2	24.4	90
Seminole	23	38.5	38.4	85	18	28.2	19.3	29
Sequoyah	17	17.5	20.4	33	28	28.1	23.6	6
Stephens	20	19.3	20.4	63	34	30.8	18.7	9
Texas	10	19.4	35.7	-	12	24.7	26.7	28
Tillman	10	44.7	38.3	64	13	55.9	27.6	21
Tulsa	215	15.6	24.6	693	322	22.1	19.6	734
Wagoner	23	15.7	25.6	61	27	18.1	23.0	42
Washington	48	40.7	41.1	117	50	39.3	24.6	62
Washita	7	25.3	24.0	65	13	44.1	22.6	13
Woods	33	145.3	128.9	18	50	230.2	86.4	5
Woodward	15	32.4	39.1	26	14	30.4	22.6	98
Unknown	1	-	-	-	1	-	-	-

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable.

-Denote no events in that category

Table 95. Homicide Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	339	3,039,886	11.2	11.1
1981	324	3,096,133	10.5	10.3
1982	356	3,206,103	11.1	10.7
1983	294	3,290,412	8.9	8.6
1984	282	3,285,581	8.6	8.3
1985	278	3,271,395	8.5	8.4
1986	301	3,252,756	9.3	9.2
1987	281	3,210,172	8.8	8.5
1988	271	3,167,148	8.6	8.4
1989	251	3,150,372	8.0	7.8
1990	292	3,148,825	9.3	9.1
1991	271	3,175,440	8.5	8.4
1992	255	3,220,517	7.9	7.9
1993	317	3,252,285	9.7	9.7
1994	281	3,280,940	8.6	8.6
1995	434	3,308,208	13.1	13.2
1996	264	3,340,129	7.9	7.9
1997	279	3,372,917	8.3	8.2
1998	227	3,405,194	6.7	6.7
1999	224	3,437,147	6.5	6.5
2000	193	3,453,996	5.6	5.6
2001	208	3,467,181	6.0	6.0
2002	181	3,489,700	5.2	5.2
2003	222	3,511,532	6.3	6.3

Table 96. Homicide Deaths by Selected Demographics: OK, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	750	8,543,790	8.8	8.6
Female	278	8,815,766	3.2	3.2
White	639	14,075,091	4.5	4.6
Black	276	1,426,293	19.4	18.6
Am Indian	99	1,563,294	6.3	6.5
Other	10	294,878	3.4	3.4
Hispanic ¹	81	925,702	8.8	7.1
Under 1	25	244,840	10.2	-
1-4 years	27	948,993	2.8	-
5-14 years	18	2,449,559	0.7	-
15-24 years	263	2,622,537	10.1	-
25-34 years	235	2,274,199	10.3	-
35-44 years	191	2,559,365	7.5	-
45-54 years	122	2,328,619	5.2	-
55-64 years	76	1,642,658	4.6	-
65-74 years	30	1,209,378	2.5	-
75-84 years	30	791,433	3.8	-
85+ years	9	287,975	3.1	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD-9: E960-E978 ICD-10: X85-Y09, Y87.1

¹Hispanic deaths are of any race

Figure 18. Age-Adjusted Homicide Death Rates by Select Demographic Groups, Oklahoma 1999-2003

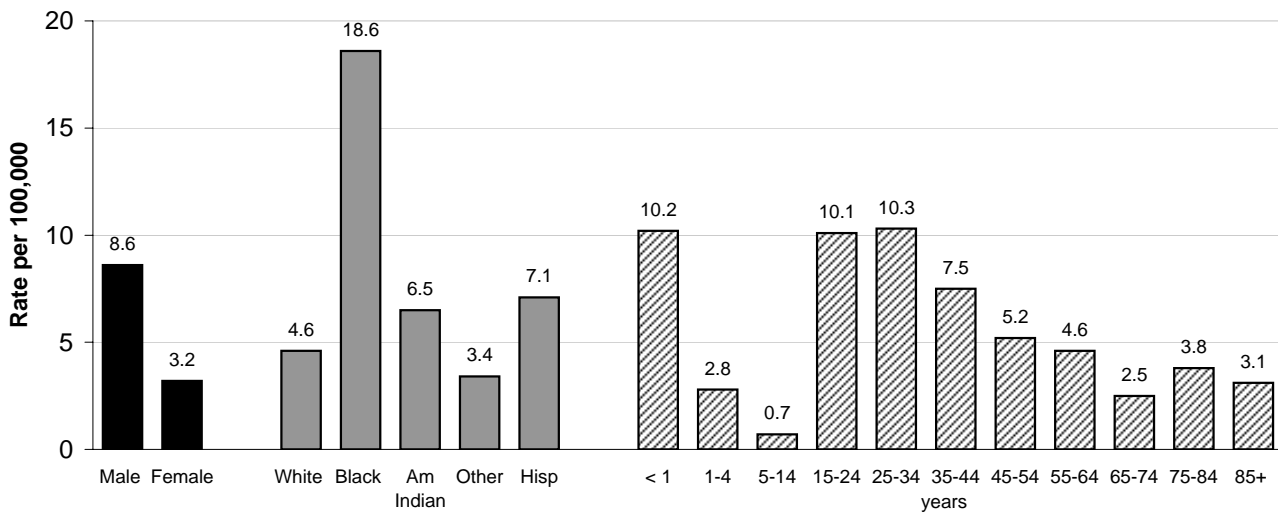


Table 97. Number of deaths, age-adjusted death rate and years of potential life lost due to Homicide Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: X85-Y09, Y87.1

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	1,028	17,359,556	5.9	5.9	31,709
Adair	13	106,161	12.2	12.8	391
Alfalfa	-	-	-	-	-
Atoka	1	69,735	++	++	-
Beaver	-	-	-	-	-
Beckham	6	99,448	6.0	6.1	158
Blaine	3	59,292	++	++	115
Bryan	11	183,705	6.0	6.1	356
Caddo	7	150,440	4.7	4.9	202
Canadian	14	448,159	3.1	3.0	458
Carter	12	229,302	5.2	5.7	414
Cherokee	11	214,607	5.1	5.1	380
Choctaw	8	76,612	10.4	11.4	306
Cimarron	-	-	-	-	-
Cleveland	13	1,063,357	1.2	1.3	427
Coal	3	30,004	++	++	83
Comanche	38	570,657	6.7	6.6	1,202
Cotton	1	32,721	++	++	30
Craig	6	74,290	8.1	7.7	124
Creek	22	340,161	6.5	6.5	623
Custer	3	128,011	++	++	107
Delaware	6	188,165	3.2	3.4	139
Dewey	1	23,305	++	++	31
Ellis	1	20,134	++	++	39
Garfield	8	287,384	2.8	2.8	298
Garvin	5	135,759	3.7	4.1	152
Grady	12	230,922	5.2	5.4	383
Grant	1	25,373	++	++	-
Greer	3	29,894	++	++	78
Harmon	1	15,898	++	++	7
Harper	-	-	-	-	-
Haskell	7	59,136	11.8	11.4	108
Hughes	3	70,093	4.3	4.8	122
Jackson	11	139,788	7.9	8.3	262
Jefferson	1	33,371	++	++	15
Johnston	2	52,396	++	++	78
Kay	8	238,732	3.4	3.2	162
Kingfisher	-	-	-	-	-
Kiowa	3	50,462	++	++	46
Latimer	1	53,063	++	++	65
Leflore	21	241,719	8.7	8.8	423

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable
 -Denote no events in that category

Table 97. Number of deaths, age-adjusted death rate and years of potential life lost due to Homicide Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: X85-Y09, Y87.1

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	1,028	17,359,556	5.9	5.9	31,709
Lincoln	6	160,560	3.7	3.6	147
Logan	3	172,317	++	++	-
Love	2	44,179	++	++	53
McClain	7	139,759	5.0	5.1	217
McCurtain	21	170,978	12.3	12.6	466
McIntosh	10	97,827	10.2	9.0	123
Major	-	-	-	-	-
Marshall	2	66,835	++	++	32
Mayes	11	192,725	5.7	5.8	313
Murray	2	63,286	++	++	79
Muskogee	36	348,671	10.3	10.6	1,051
Noble	1	56,839	++	++	46
Nowata	1	53,193	++	++	9
Okfuskee	3	58,571	++	++	107
Oklahoma	265	3,330,794	8.0	7.8	8,707
Okmulgee	14	198,345	7.1	7.7	476
Osage	7	224,196	3.1	3.1	161
Ottawa	8	164,978	4.8	5.3	223
Pawnee	2	83,535	++	++	71
Payne	6	347,251	1.7	1.7	183
Pittsburg	15	219,724	6.8	7.0	402
Pontotoc	20	175,028	11.4	11.4	531
Pottawatomie	17	330,920	5.1	4.9	478
Pushmataha	2	58,503	++	++	34
Roger Mills	1	16,648	++	++	-
Rogers	10	365,923	2.7	3.0	299
Seminole	10	123,609	8.1	8.6	349
Sequoyah	11	196,597	5.6	5.6	278
Stephens	4	214,193	++	++	165
Texas	1	100,203	++	++	41
Tillman	3	45,641	++	++	60
Tulsa	231	2,831,969	8.2	8.1	7,982
Wagoner	15	295,685	5.1	5.1	400
Washington	5	245,218	2.0	2.2	153
Washita	-	-	-	-	-
Woods	1	44,422	++	++	48
Woodward	3	92,376	++	++	92
Unknown	5	-	-	-	149

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable
 -Denote no events in that category

Table 98. Number of deaths, age-adjusted death rate and years of potential life lost due to Homicide by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: X85-Y09, Y87.1

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	750	8.8	8.6	23,517	278	3.2	3.2	8,192
Adair	13	24.8	26.8	391	-	-	-	-
Alfalfa	-	-	-	-	-	-	-	-
Atoka	1	++	++	-	-	-	-	-
Beaver	5	9.6	10	96	1	++	++	62
Beckham	3	++	++	115	-	-	-	-
Blaine	8	8.9	8.9	243	3	++	++	113
Bryan	7	9.4	9.7	202	-	-	-	-
Caddo	7	3.1	3	193	7	3.1	3.1	265
Canadian	-	-	-	-	-	-	-	-
Carter	10	9	9.6	327	2	++	++	87
Cherokee	7	6.6	6.4	231	4	++	++	149
Choctaw	5	13.7	14.4	164	3	++	++	142
Cimarron	-	-	-	-	-	-	-	-
Cleveland	9	1.7	1.6	361	4	++	++	66
Coal	2	++	++	66	1	++	++	17
Comanche	26	8.8	8.2	861	12	4.4	4.4	341
Cotton	1	++	++	30	-	-	-	-
Craig	2	++	++	25	4	++	++	99
Creek	11	6.6	6.8	270	11	6.3	6.4	353
Custer	1	++	++	32	2	++	++	75
Delaware	2	++	++	55	4	++	++	84
Dewey	1	++	++	31	-	-	-	-
Ellis	-	-	-	-	1	++	++	39
Garfield	5	3.6	3.6	197	3	++	++	101
Garvin	4	++	++	112	1	++	++	40
Grady	10	8.9	9.2	311	2	++	++	72
Grant	1	++	++	-	-	-	-	-
Greer	1	++	++	37	2	++	++	41
Harmon	-	-	-	-	1	++	++	7
Harper	-	-	-	-	-	-	-	-
Haskell	5	17.2	17.6	108	2	++	++	-
Hughes	1	++	++	19	2	++	++	103
Jackson	8	11.5	12	184	3	++	++	78
Jefferson	-	-	-	-	1	++	++	15
Johnston	1	++	++	36	1	++	++	42
Kay	5	4.3	4.4	145	3	++	++	17
Kingfisher	-	-	-	-	-	-	-	-
Kiowa	3	++	++	46	-	-	-	-
Latimer	-	-	-	-	1	++	++	65
Leflore	15	12.4	12.8	349	6	5	4.8	74

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

-Denote no events in that category

Table 98. Number of deaths, age-adjusted death rate and years of potential life lost due to Homicide by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: X85-Y09, Y87.1

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	750	8.8	8.6	23,517	278	3.2	3.2	8,192
Lincoln	5	6.3	6.1	87	1	++	++	60
Logan	1	++	++	-	2	++	++	-
Love	1	++	++	27	1	++	++	26
McClain	5	7.2	7.2	127	2	++	++	90
McCurtain	15	18.2	18.4	318	6	6.8	7.1	148
McIntosh	7	15	14.9	119	3	++	++	4
Major	-	-	-	-	-	-	-	-
Marshall	2	++	++	32	-	-	-	-
Mayes	10	10.5	11	294	1	++	++	19
Murray	2	++	++	79	-	-	-	-
Muskogee	23	13.7	13.9	746	13	7.2	7.3	305
Noble	-	-	-	-	1	++	++	46
Nowata	-	-	-	-	1	++	++	9
Okfuskee	2	++	++	63	1	++	++	44
Oklahoma	195	12.1	11.7	6497	70	4.1	4	2210
Okmulgee	12	12.4	12.9	422	2	++	++	54
Osage	5	4.4	4.2	98	2	++	++	63
Ottawa	4	++	++	115	4	++	++	108
Pawnee	2	++	++	71	-	-	-	-
Payne	4	++	++	120	2	++	++	63
Pittsburg	14	12.6	12.3	355	1	++	++	47
Pontotoc	14	16.5	16	384	6	6.6	6.7	147
Pottawatomie	9	5.6	5.7	332	8	4.7	4	146
Pushmataha	2	++	++	34	-	-	-	-
Roger Mills	-	-	-	-	1	++	++	-
Rogers	7	3.9	4.8	182	3	++	++	117
Seminole	7	11.7	12.8	240	3	++	++	109
Sequoyah	7	7.2	7.6	177	4	++	++	101
Stephens	3	++	++	113	1	++	++	52
Texas	-	-	-	-	1	++	++	41
Tillman	3	++	++	60	-	-	-	-
Tulsa	187	13.6	13.1	6554	44	3	3	1428
Wagoner	13	8.9	8.7	367	2	++	++	33
Washington	3	++	++	100	2	++	++	53
Washita	-	-	-	-	-	-	-	-
Woods	1	++	++	48	-	-	-	-
Woodward	2	++	++	28	1	++	++	64
Unknown	3	-	-	91	2	-	-	58

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

-Denote no events in that category

Table 99. Suicide Death Trends: Oklahoma 1980-2003

Year	Deaths	Population	Death Rate	Age-Adjusted Death Rate
1980	411	3,039,886	13.5	13.9
1981	474	3,096,133	15.3	15.7
1982	466	3,206,103	14.5	14.6
1983	449	3,290,412	13.6	13.9
1984	444	3,285,581	13.5	13.9
1985	488	3,271,395	14.9	15.2
1986	494	3,252,756	15.2	15.7
1987	481	3,210,172	15.0	15.4
1988	436	3,167,148	13.8	13.9
1989	436	3,150,372	13.8	13.9
1990	419	3,148,825	13.3	13.2
1991	449	3,175,440	14.1	14.1
1992	492	3,220,517	15.3	15.3
1993	509	3,252,285	15.7	15.7
1994	458	3,280,940	14.0	13.9
1995	478	3,308,208	14.4	14.5
1996	463	3,340,129	13.9	14.0
1997	485	3,372,917	14.4	14.5
1998	463	3,405,194	13.6	13.7
1999	454	3,737,147	13.2	13.3
2000	466	3,453,996	13.5	13.6
2001	506	3,467,181	14.6	14.6
2002	491	3,489,700	14.1	14.1
2003	476	3,511,532	13.6	13.6

Table 100. Suicide Deaths by Selected Demographics: OK, 1999-2003

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	1,947	8,543,790	22.8	23.3
Female	446	8,815,766	5.1	5.1
White	2,136	14,075,091	15.2	15.0
Black	102	1,426,293	7.2	7.6
Am Indian	135	1,563,294	8.6	9.4
Other	14	294,878	4.7	5.7
Hispanic ¹	54	925,702	5.8	7.9
Under 1	-	244,840	-	-
1-4 years	-	948,993	-	-
5-14 years	30	2,449,559	1.2	-
15-24 years	348	2,622,537	13.3	-
25-34 years	439	2,274,199	19.3	-
35-44 years	522	2,559,365	20.4	-
45-54 years	439	2,328,619	18.9	-
55-64 years	240	1,642,658	14.6	-
65-74 years	169	1,209,378	14.0	-
75-84 years	160	791,433	20.2	-
85+ years	45	287,975	15.6	-

All rates are deaths per 100,000 population.

Age-adjusted rates based on 2000 U.S. population standard.

ICD-9: E950-E959 ICD-10: X60-X84, Y87.0

¹Hispanic deaths are of any race

Figure 19. Age-Adjusted Suicide Death Rates by Select Demographic Groups, Oklahoma 1999-2003

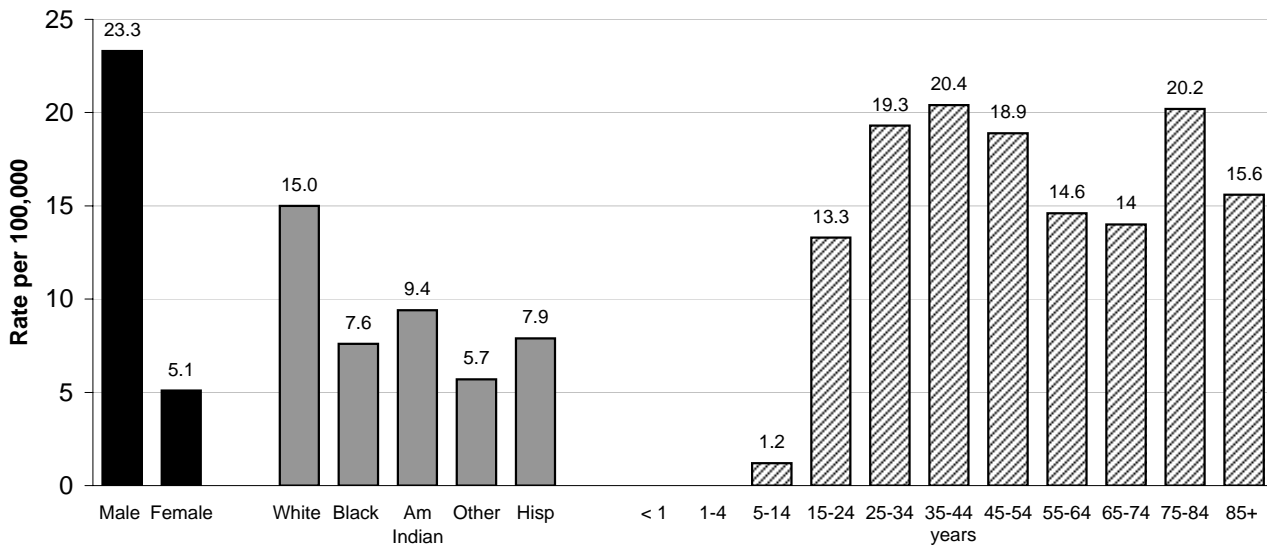


Table 101. Number of deaths, age-adjusted death rate and years of potential life lost due to Suicide Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: X85-Y09, Y87.1

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	2,393	17,359,556	13.8	13.8	54,477
Adair	16	106,161	15.1	15.6	388
Alfalfa	2	30,079	++	++	65
Atoka	9	69,735	12.9	12.4	179
Beaver	6	28,645	20.9	20.4	157
Beckham	14	99,448	14.1	13.9	317
Blaine	11	59,292	18.6	18.1	221
Bryan	26	183,705	14.2	14.0	504
Caddo	21	150,440	14.0	14.2	493
Canadian	54	448,159	12.0	12.5	1,236
Carter	33	229,302	14.4	14.3	731
Cherokee	26	214,607	12.1	12.2	552
Choctaw	12	76,612	15.7	17.1	315
Cimarron	3	15,285	++	++	91
Cleveland	105	1,063,357	9.9	9.9	2,650
Coal	3	30,004	++	++	51
Comanche	75	570,657	13.1	13.5	1,960
Cotton	7	32,721	21.4	21.8	145
Craig	11	74,290	14.8	15.4	322
Creek	56	340,161	16.5	16.9	1,469
Custer	10	128,011	7.8	8.5	177
Delaware	21	188,165	11.2	10.2	295
Dewey	7	23,305	30.0	25.6	63
Ellis	-	-	-	-	-
Garfield	38	287,384	13.2	13.2	845
Garvin	23	135,759	16.9	18.3	666
Grady	36	230,922	15.6	15.5	726
Grant	5	25,373	19.7	15.1	32
Greer	1	29,894	++	++	.
Harmon	2	15,898	++	++	42
Harper	1	17,419	++	++	30
Haskell	7	59,136	11.8	11.6	106
Hughes	7	70,093	10.0	10.6	248
Jackson	18	139,788	12.9	13.5	377
Jefferson	8	33,371	24.0	26.0	211
Johnston	6	52,396	11.5	11.7	109
Kay	33	238,732	13.8	14.3	790
Kingfisher	8	69,710	11.5	11.1	103
Kiowa	6	50,462	11.9	13.6	161
Latimer	8	53,063	15.1	16.0	247
Leflore	20	241,719	8.3	8.1	313

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable
 -Denote no events in that category

Table 101. Number of deaths, age-adjusted death rate and years of potential life lost due to Suicide Oklahoma and each County, 1999-2003

(All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.)

ICD-10: X85-Y09, Y87.1

<i>County</i>	<i>Deaths</i>	<i>Population</i>	<i>Death Rate</i>	<i>Age-Adjusted Death Rate</i>	<i>YPLL Before the Age of 65</i>
State	2,393	17,359,556	13.8	13.8	54,477
Lincoln	26	160,560	16.2	16.6	571
Logan	13	172,317	7.5	7.6	243
Love	6	44,179	13.6	14.8	168
McClain	22	139,759	15.7	16.0	458
McCurtain	30	170,978	17.5	18.0	552
McIntosh	24	97,827	24.5	25.1	464
Major	6	37,575	16.0	13.3	71
Marshall	12	66,835	18.0	17.9	222
Mayes	33	192,725	17.1	17.2	739
Murray	15	63,286	23.7	24.4	346
Muskogee	48	348,671	13.8	13.8	1,119
Noble	6	56,839	10.6	10.5	126
Nowata	4	53,193	++	++	40
Okfuskee	6	58,571	10.2	10.4	131
Oklahoma	477	3,330,794	14.3	14.2	11,258
Okmulgee	28	198,345	14.1	14.6	754
Osage	31	224,196	13.8	13.9	648
Ottawa	35	164,978	21.2	21.2	695
Pawnee	11	83,535	13.2	12.7	159
Payne	29	347,251	8.4	9.0	707
Pittsburg	38	219,724	17.3	17.4	916
Pontotoc	31	175,028	17.7	18.2	761
Pottawatomie	47	330,920	14.2	14.3	813
Pushmataha	14	58,503	23.9	24.3	289
Roger Mills	3	16,648	++	++	76
Rogers	35	365,923	9.6	9.5	764
Seminole	21	123,609	17.0	17.7	525
Sequoyah	27	196,597	13.7	14.1	626
Stephens	34	214,193	15.9	15.3	653
Texas	12	100,203	12.0	12.6	298
Tillman	11	45,641	24.1	24.6	258
Tulsa	417	2,831,969	14.7	14.7	9,850
Wagoner	26	295,685	8.8	9.2	647
Washington	37	245,218	15.1	14.5	604
Washita	4	57,089	++	++	96
Woods	3	44,422	`	++	102
Woodward	12	92,376	13.0	12.8	216
Unknown	4	-	-	-	125

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable
 -Denote no events in that category

Table 102. Number of deaths, age-adjusted death rate and years of potential life lost due to Suicide by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: X85-Y09, Y87.1

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	1,549	22.7	23.2	35,375	368	5.2	5.2	8,264
Adair	15	28.6	30.0	369	1	-	++	19
Alfalfa	2	++	++	65	-	-	-	-
Atoka	7	18.6	17.8	135	2	++	++	44
Beaver	6	41.5	41.1	157	-	-	-	-
Beckham	11	21.2	20.6	282	3	++	++	35
Blaine	11	34.2	33.8	221	-	-	-	-
Bryan	21	23.4	23.1	396	5	5.3	5.5	108
Caddo	19	25.4	26.6	406	2	++	++	87
Canadian	47	21.0	22.5	1,104	7	3.1	3.1	132
Carter	29	26.2	26.5	609	4	++	++	122
Cherokee	20	19.0	19.0	435	6	5.5	5.9	117
Choctaw	8	22.0	23.8	232	4	++	++	83
Cimarron	3	++	++	91	-	-	-	-
Cleveland	79	14.8	16.0	1,867	26	4.9	4.5	783
Coal	3	++	++	51	-	-	-	-
Comanche	62	21.0	22.7	1,647	13	4.7	4.8	313
Cotton	6	36.9	36.7	128	1	++	++	17
Craig	10	26.8	26.5	296	1	++	++	26
Creek	49	29.4	29.9	1,185	7	4.0	4.7	284
Custer	8	12.8	14.3	162	2	++	++	15
Delaware	17	18.4	17.3	266	4	++	++	29
Dewey	7	61.4	55.3	63	-	-	-	-
Ellis	-	-	-	-	-	-	-	-
Garfield	34	24.4	24.3	699	4	++	++	146
Garvin	16	24.5	25.8	444	7	10.0	11.2	222
Grady	29	25.7	26.4	598	7	5.9	5.6	128
Grant	5	40.5	33.4	32	-	-	-	-
Greer	1	++	++	.	-	-	-	-
Harmon	2	++	++	42	-	-	-	-
Harper	1	++	++	30	-	-	-	-
Haskell	7	24.1	24.0	106	-	-	-	-
Hughes	5	13.9	13.0	177	2	++	++	71
Jackson	16	23.0	25.3	347	2	++	++	30
Jefferson	8	49.3	51.2	211	-	-	-	-
Johnston	3	++	++	41	3	++	++	68
Kay	25	21.6	22.5	573	8	6.5	7.4	217
Kingfisher	6	17.6	18.0	51	2	++	++	52
Kiowa	6	24.3	26.3	161	-	-	-	-
Latimer	7	26.7	30.5	199	1	++	++	48
Leflore	18	14.9	15.6	268	2	++	++	45

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

-Denote no events in that category

Table 102. Number of deaths, age-adjusted death rate and years of potential life lost due to Suicide by gender: Oklahoma and each County, 1999-2003

All rates are deaths per 100,000 population. Age-adjusted rates based on 2000 Oklahoma population standard.

ICD-10: X85-Y09, Y87.1

County	Male				Female			
	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65	Deaths	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
State	1,549	22.7	23.2	35,375	368	5.2	5.2	8,264
Lincoln	24	30.3	31.4	520	2	++	++	51
Logan	7	8.2	8.3	92	6	6.9	6.8	151
Love	6	27.4	29.6	168	-	-	-	-
McClain	18	25.9	28.7	359	4	5.7	5.4	99
McCurtain	25	30.3	32.6	474	5	5.7	5.7	78
McIntosh	21	44.9	48.3	412	3	++	++	52
Major	6	32.7	29.6	71	-	-	-	-
Marshall	9	27.2	28.2	178	3	++	++	44
Mayer	29	30.3	31.6	677	4	++	++	62
Murray	11	35.2	35.6	238	4	++	++	108
Muskogee	41	24.3	25.1	940	7	3.9	4.1	179
Noble	6	21.4	21.5	126	-	-	-	-
Nowata	4	++	++	40	-	-	-	-
Okfuskee	5	16.5	16.0	109	1	3.5	4.0	22
Oklahoma	373	23.0	23.5	9,033	104	6.1	6.0	2,225
Okmulgee	21	21.7	22.3	601	7	6.9	7.3	153
Osage	25	22.0	22.1	518	6	5.4	5.8	130
Ottawa	30	37.4	38.0	601	5	5.9	5.6	94
Pawnee	8	19.4	19.6	138	3	++	++	21
Payne	23	13.0	14.6	536	6	3.5	3.6	171
Pittsburg	34	30.7	30.3	798	4	++	++	118
Pontotoc	23	27.2	27.9	590	8	8.9	9.1	171
Pottawatomie	32	20.0	21.9	532	15	8.8	8.7	281
Pushmataha	12	42.6	42.7	248	2	++	++	41
Roger Mills	3	++	++	76	-	-	-	-
Rogers	27	15.0	14.7	594	8	4.3	4.4	170
Seminole	19	31.8	32.8	468	2	++	++	57
Sequoyah	21	21.7	22.5	495	6	6.0	6.1	131
Stephens	32	30.8	30.1	621	2	++	++	32
Texas	8	15.5	15.8	241	4	++	++	57
Tillman	10	44.7	45.0	239	1	++	++	19
Tulsa	337	24.5	25.0	8,253	80	5.5	5.5	1,597
Wagoner	20	13.7	13.5	456	6	4.0	4.6	191
Washington	29	24.6	24.1	465	8	6.3	5.9	139
Washita	3	++	++	51	1	++	++	45
Woods	2	++	++	78	1	++	++	24
Woodward	11	23.8	23.9	197	1	++	++	19
Unknown	3	-	-	98	1	-	-	27

++ Calculation of rates is not recommended when there are fewer than five events in the numerator, because the calculated rate is unstable

-Denote no events in that category

Table 103. Population estimates of children by age group: Oklahoma and each County, 2003

(Estimates provided by the Ok Department of Commerce, U.S. Census Bureau)

<i>County</i>	<i>< 1 year</i>	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-19 years</i>	<i>1-19 years</i>
State	50,529	193,610	234,456	248,971	257,056	934,093
Adair	400	1,375	1,642	1,895	1,719	6,631
Alfalfa	38	175	277	306	354	1,112
Atoka	166	663	820	947	966	3,396
Beaver	63	247	334	470	405	1,456
Beckham	283	1,043	1,172	1,291	1,333	4,839
Blaine	153	534	663	806	861	2,864
Bryan	514	1,959	2,338	2,549	2,671	9,517
Caddo	456	1,594	2,025	2,428	2,574	8,621
Canadian	1,121	4,642	6,347	7,114	7,351	25,454
Carter	608	2,535	3,059	3,365	3,290	12,249
Cherokee	600	2,447	2,859	3,105	3,935	12,346
Choctaw	262	852	948	1,163	1,104	4,067
Cimarron	40	137	209	224	231	801
Cleveland	2,563	10,525	13,436	14,750	17,636	56,347
Coal	62	316	432	450	435	1,633
Comanche	1,905	7,293	8,697	8,478	9,546	34,014
Cotton	78	326	442	472	440	1,680
Craig	205	755	872	1,016	1,016	3,659
Creek	928	3,574	4,673	5,283	5,184	18,714
Custer	358	1,316	1,439	1,544	2,065	6,364
Delaware	409	1,853	2,419	2,667	2,717	9,656
Dewey	37	186	237	296	328	1,047
Ellis	35	164	230	230	240	864
Garfield	868	3,143	3,723	3,895	3,835	14,596
Garvin	413	1,446	1,725	1,856	1,820	6,847
Grady	578	2,428	3,202	3,490	3,638	12,758
Grant	44	200	274	366	400	1,240
Greer	39	234	266	301	353	1,154
Harmon	50	154	162	225	259	800
Harper	40	136	172	201	261	770
Haskell	187	675	782	888	798	3,143
Hughes	146	617	859	877	905	3,258
Jackson	456	1,731	2,217	2,159	2,092	8,199
Jefferson	62	331	396	437	430	1,594
Johnston	132	512	683	754	790	2,739
Kay	665	2,560	3,190	3,430	3,538	12,718
Kingfisher	192	771	856	1,049	1,100	3,776
Kiowa	119	485	568	659	734	2,446
Latimer	150	519	664	757	945	2,885
Leflore	730	2,854	3,247	3,550	3,589	13,240

Table 103. Population estimates of children by age group: Oklahoma and each County, 2003

(Estimates provided by the Ok Department of Commerce, U.S. Census Bureau)

<i>County</i>	<i>< 1 year</i>	<i>1-4 years</i>	<i>5-9 years</i>	<i>10-14 years</i>	<i>15-19 years</i>	<i>1-19 years</i>
State	50,529	193,610	234,456	248,971	257,056	934,093
Lincoln	448	1,622	2,150	2,492	2,500	8,764
Logan	406	1,653	2,141	2,450	3,324	9,568
Love	106	414	558	651	651	2,274
McClain	348	1,443	1,958	2,029	2,166	7,596
McCurtain	500	1,954	2,464	2,746	2,499	9,663
McIntosh	241	865	1,100	1,314	1,319	4,598
Major	83	297	422	517	527	1,763
Marshall	184	699	810	883	873	3,265
Mayes	479	2047	2693	2829	2919	10,488
Murray	173	635	782	824	823	3,064
Muskogee	1,087	3,816	4,863	4,940	5,013	18,632
Noble	135	588	713	816	779	2,896
Nowata	124	517	745	807	800	2,869
Okfuskee	137	542	727	767	822	2,858
Oklahoma	11,227	41,661	46,667	46,244	45,456	180,028
Okmulgee	527	2,097	2,768	3,016	3,158	11,039
Osage	495	2,098	2,850	3,377	3,438	11,763
Ottawa	434	1,719	2,084	2,464	2,568	8,835
Pawnee	199	785	1,095	1,290	1,310	4,480
Payne	914	3,134	3,447	3,521	6,497	16,599
Pittsburg	541	1,961	2,546	2,952	3,023	10,482
Pontotoc	491	1,869	2,182	2,428	2,603	9,082
Pottawatomie	930	3,706	4,457	4,784	5,270	18,217
Pushmataha	136	555	736	887	897	3,075
Roger Mills	34	155	175	185	217	732
Rogers	882	3,818	5,552	6,271	6,088	21,729
Seminole	376	1,383	1,614	1,784	1,847	6,628
Sequoyah	533	2,119	2,975	3,043	2,948	11,085
Stephens	523	2,044	2,642	2,946	2,931	10,563
Texas	342	1,418	1,457	1,463	1,520	5,858
Tillman	110	437	555	663	733	2,388
Tulsa	9,449	34,938	40,359	40,993	38,369	154,659
Wagoner	736	3,212	4,420	4,801	4,665	17,098
Washington	597	2,297	3,010	3,516	3,639	12,462
Washita	105	528	669	836	884	2,917
Woods	87	323	379	439	686	1,827
Woodward	255	954	1,135	1,260	1,406	4,755

Table 104. Female population estimates by age: Oklahoma and each County, 2003

(Estimates provided by the Ok Department of Commerce, U.S. Census Bureau)

<i>County</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>20-24 years</i>	<i>25-29 years</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-44 years</i>
State	73,591	51,360	132,669	112,582	112,326	114,142	133,126
Adair	540	305	799	599	721	716	756
Alfalfa	110	74	134	85	97	143	170
Atoka	279	162	417	355	386	413	455
Beaver	115	82	156	100	140	175	246
Beckham	391	242	670	538	527	555	675
Blaine	246	150	347	235	259	282	382
Bryan	778	530	1,618	1,212	1,159	1,149	1,210
Caddo	805	442	1,019	710	816	928	1,125
Canadian	2,280	1,306	3,357	2,599	3,035	3,277	4,116
Carter	988	585	1,472	1,366	1,402	1,415	1,755
Cherokee	879	1,084	2,277	1,643	1,251	1,296	1,493
Choctaw	336	186	512	416	497	458	582
Cimarron	69	44	75	54	62	87	99
Cleveland	4,378	4,087	10,819	8,993	7,673	7,578	8,761
Coal	122	90	169	160	179	171	205
Comanche	2,463	1,630	4,326	3,870	3,937	3,757	4,151
Cotton	145	76	200	164	196	217	241
Craig	321	174	478	354	383	460	573
Creek	1,599	943	2,222	1,783	2,078	2,331	2,606
Custer	527	546	1,542	886	627	686	881
Delaware	823	487	1,205	1,062	1,088	1,144	1,317
Dewey	89	70	153	86	88	106	187
Ellis	71	38	96	77	90	97	137
Garfield	1,170	709	2,008	1,683	1,673	1,771	2,215
Garvin	550	362	911	721	826	807	1,011
Grady	1,058	724	1,957	1,363	1,486	1,615	1,930
Grant	118	88	133	99	117	149	183
Greer	107	64	146	108	112	135	172
Harmon	78	57	96	59	60	96	115
Harper	88	40	100	53	69	87	140
Haskell	243	161	429	337	345	343	413
Hughes	256	159	393	354	331	375	449
Jackson	591	355	990	791	874	1,058	1,062
Jefferson	136	91	188	167	169	203	225
Johnston	220	170	402	256	302	308	380
Kay	1,025	739	1,595	1,200	1,242	1,380	1,780
Kingfisher	324	221	495	343	353	438	573
Kiowa	185	135	313	202	219	301	368
Latimer	210	258	434	249	274	354	377
Leflore	1,035	732	1,691	1,398	1,450	1,539	1,717

Table 104. Female population estimates by age: Oklahoma and each County, 2003

(Estimates provided by the Ok Department of Commerce, U.S. Census Bureau)

<i>County</i>	<i>15-17 years</i>	<i>18-19 years</i>	<i>20-24 years</i>	<i>25-29 years</i>	<i>30-34 years</i>	<i>35-39 years</i>	<i>40-44 years</i>
State	73,591	51,360	132,669	112,582	112,326	114,142	133,126
Lincoln	747	453	1,078	801	902	1,039	1,278
Logan	769	803	1,795	989	1,042	1,079	1,434
Love	184	115	263	210	251	275	339
McClain	660	373	941	780	888	976	1,261
McCurtain	756	460	1,125	962	1,059	1,158	1,184
McIntosh	419	237	615	463	510	555	684
Major	150	94	207	155	184	219	276
Marshall	269	135	432	347	384	361	493
Mayes	904	501	1,291	1,104	1,178	1,159	1,426
Murray	215	166	453	338	379	418	461
Muskogee	1,442	990	2,605	2,134	2,098	2,256	2,637
Noble	259	139	328	300	340	345	430
Nowata	248	145	344	264	296	359	403
Okfuskee	272	156	389	283	303	316	394
Oklahoma	13,256	9,157	25,895	25,553	24,306	22,560	25,705
Okmulgee	897	560	1,450	1,095	1,085	1,169	1,508
Osage	1,032	567	1,419	1,058	1,127	1,497	1,717
Ottawa	673	522	1,140	876	926	1,009	1,075
Pawnee	419	240	504	384	521	532	625
Payne	1,047	2,361	5,520	3,661	1,902	1,810	2,112
Pittsburg	896	536	1,289	997	1,229	1,332	1,546
Pontotoc	776	448	1,510	1,195	1,014	1,099	1,265
Pottawatomie	1,428	1,041	2,815	2,202	2,179	2,301	2,640
Pushmataha	277	172	351	252	303	424	420
Roger Mills	47	47	92	43	69	84	128
Rogers	1,918	1,108	2,842	2,190	2,439	2,764	3,196
Seminole	597	338	925	614	614	747	881
Sequoyah	913	501	1,320	1,161	1,336	1,312	1,540
Stephens	899	525	1,414	1,057	1,108	1,289	1,654
Texas	404	319	823	680	648	615	709
Tillman	220	122	256	173	232	253	324
Tulsa	11,543	7,422	19,666	19,582	20,565	19,817	22,351
Wagoner	1,429	862	2,204	1,760	1,977	2,152	2,573
Washington	1,064	741	1,584	1,233	1,375	1,401	1,768
Washita	252	173	379	258	302	339	431
Woods	177	156	456	222	159	194	270
Woodward	385	277	605	476	503	527	755

Appendix 1. 113 Selected Causes of Death and associated ICD-10 codes

<i>113 Selected Causes</i>	<i>ICD-10</i>
Salmonella infections	A01-A02
Shigellosis and amebiasis	A03,A06
Certain other intestinal infections	A04,A07-A09
Tuberculosis	A16-A19
Respiratory tuberculosis.	A16
Other tuberculosis	A17-A19
Whooping cough	A37
Scarlet fever and erysipelas	A38,A46
Meningococcal infection	A39
Septicemia	A40-A41
Syphilis	A50-A53
Acute poliomyelitis	A80
Arthropod-borne viral encephalitis	A83-A84,A85.2
Measles	B05
Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
Malaria	B50-B54
Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
Malignant neoplasm of esophagus	C15
Malignant neoplasm of stomach	C16
Malignant neoplasms of colon, rectum and anus	C18-C21
Malignant neoplasms of liver and intrahepatic bile ducts	C22
Malignant neoplasm of pancreas	C25
Malignant neoplasm of larynx	C32
Malignant neoplasms of trachea, bronchus and lung	C33-C34
Malignant melanoma of skin	C43
Malignant neoplasm of breast	C50
Malignant neoplasm of cervix uteri	C53
Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
Malignant neoplasm of ovary	C56
Malignant neoplasm of prostate	C61
Malignant neoplasms of kidney and renal pelvis	C64-C65
Malignant neoplasm of bladder	C67
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
Hodgkin's disease	C81
Non-Hodgkin's lymphoma	C82-C85
Leukemia	C91-C95
Multiple myeloma and immunoproliferative neoplasms	C88,C90
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
Anemias	D50-D64
Diabetes mellitus	E10-E14
Nutritional deficiencies	E40-E64
Malnutrition	E40-E46
Other nutritional deficiencies	E50-E64
Meningitis	G00,G03

Appendix 1. 113 Selected Causes of Death and associated ICD-10 codes

<i>113 Selected Causes</i>	<i>ICD-10</i>
Parkinson's disease	G20-G21
Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
Diseases of heart	I00-I09, I11, I13, I20-I51
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
Hypertensive heart disease	I11
Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
Acute myocardial infarction	I21-I22
Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20,I25
Atherosclerotic cardiovascular disease, so described	I25.0
All other forms of chronic ischemic heart disease	I20,I25.1-I25.9
Other heart diseases	I26-I51
Acute and subacute endocarditis	I33
Diseases of pericardium and acute myocarditis	I30-I31,I40
Heart failure	I50
All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
Essential (primary) hypertension and hypertensive renal disease	I10,I12
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
Aortic aneurysm and dissection	I71
Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
Influenza and pneumonia	J10-J18
Influenza	J10-J11
Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
Acute bronchitis and bronchiolitis	J20-J21
Unspecified acute lower respiratory infection	J22
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified	J40-J42
Emphysema	J43
Asthma	J45-J46
Other chronic lower respiratory diseases	J44,J47
Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
Peptic ulcer	K25-K28
Diseases of appendix	K35-K38
Hernia	K40-K46
Chronic liver disease and cirrhosis	K70,K73-K74
Alcoholic liver disease	K70
Other chronic liver disease and cirrhosis	K73-K74
Cholelithiasis and other disorders of gallbladder	K80-K82
Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic,and renal sclerosis unspecified	N02-N03, N05-N07, N26
Renal failure	N17-N19
Other disorders of kidney	N25,N27
Infections of kidney	N10-N12, N13.6, N15.1
Hyperplasia of prostate	N40
Inflammatory diseases of female pelvic organs	N70-N76

Appendix 1. 113 Selected Causes of Death and associated ICD-10 codes

<i>113 Selected Causes</i>	<i>ICD-10</i>
Pregnancy, childbirth and the puerperium	O00-O99
Pregnancy with abortive outcome	O00-O07
Other complications of pregnancy, childbirth and the puerperium	O10-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.0-N13.5, N13.7-N13.9, N14,N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
Accidents (unintentional injuries)	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99, Y85
Nontransport accidents	W00-X59, Y86
Falls	W00-W19
Accidental discharge of firearms	W32-W34
Accidental drowning and submersion	W65-W74
Accidental exposure to smoke, fire and flames	X00-X09
Accidental poisoning and exposure to noxious substances	X40-X49
Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
Intentional self-harm (suicide) by discharge of firearms	X72-X74
Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
Assault (homicide) by discharge of firearms	X93-X95
Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
Discharge of firearms, undetermined intent	Y22-Y24
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88

Those causes bolded are not included as specific causes in cause of death queries

Appendix 2. 50 Rankable Causes of Death and associated ICD-10 codes

<i>50 Rankable Causes</i>	<i>ICD-10</i>
Salmonella infections	A01-A02
Shigellosis and amebiasis	A03,A06
Tuberculosis	A16-A19
Whooping cough	A37
Scarlet fever and erysipelas	A38,A46
Meningococcal infection	A39
Septicemia	A40-A41
Syphilis	A50-A53
Acute poliomyelitis	A80
Arthropod-borne viral encephalitis	A83-A84, A85.2
Measles	B05
Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
Malaria	B50-B54
Malignant neoplasms	C00-C97
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
Anemias	D50-D64
Diabetes mellitus	E10-E14
Nutritional deficiencies	E40-E64
Meningitis	G00,G03
Parkinson's disease	G20-G21
Alzheimer's disease	G30
Diseases of heart	I00-I09, I11, I13, I20-I51
Essential (primary) hypertension and hypertensive renal disease	I10,I12
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Aortic aneurysm and dissection	I71
Influenza and pneumonia	J10-J18
Acute bronchitis and bronchiolitis	J20-J21
Chronic lower respiratory diseases	J40-J47
Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
Peptic ulcer	K25-K28
Diseases of appendix	K35-K38
Hernia	K40-K46
Chronic liver disease and cirrhosis	K70, K73-K74
Cholelithiasis and other disorders of gallbladder	K80-K82
Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Infections of kidney	N10-N12, N13.6, N15.1
Hyperplasia of prostate	N40
Inflammatory diseases of female pelvic organs	N70-N76
Pregnancy, childbirth and the puerperium	O00-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Accidents (unintentional injuries)	V01-X59, Y85-Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
Legal intervention	Y35,Y89.0
Operations of war and their sequelae	Y36,Y89.1
Complications of medical and surgical care	Y40-Y84, Y88

Appendix 3. 39 Selected Causes of Death and associated ICD-10 codes

<i>39 Selected Causes</i>	<i>ICD-10</i>
Tuberculosis	A16-A19
Syphilis	A50-A53
Human immunodeficiency virus (HIV) disease	B20-B24
Malignant neoplasms	C00-C97
Malignant neoplasm of stomach	C16
Malignant neoplasms of colon, rectum and anus	C18-C21
Malignant neoplasm of pancreas	C25
Malignant neoplasms of trachea, bronchus and lung	C33-C34
Malignant neoplasm of breast	C50
Malignant neoplasms of cervix uteri, corpus uteri and ovary	C53-C56
Malignant neoplasm of prostate	C61
Malignant neoplasms of urinary tract	C64-C68
Non-Hodgkin's lymphoma	C82-C85
Leukemia	C91-C95
Other malignant neoplasms	C00-C15, C17, C22-C24, C26-C32, C37-C49, C51-C52, C57-C60, C62-C63, C69-C81, C88, C90, C96-C97
Diabetes mellitus	E10-E14
Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
Diseases of heart	I00-I09, I11, I13, I20-I51
Hypertensive heart disease with or without renal disease	I11,I13
Ischemic heart diseases	I20-I25
Other diseases of heart	I00-I09,I26-I51
Essential (primary) hypertension and hypertensive renal disease	I10,I12
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
Influenza and pneumonia	J10-J18
Chronic lower respiratory diseases	J40-J47
Peptic ulcer	K25-K28
Chronic liver disease and cirrhosis	K70,K73-K74
Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Pregnancy, childbirth and the puerperium	O00-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Sudden infant death syndrome	R95
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (excluding Sudden infant death syndrome)	R00-R94, R96-R99
All other diseases (Residual)	A00-A09, A20-A49, A54-B19, B25-B99, D00-E07, E15-G25, G31-H93, I80-J06, J20-J39, J60-K22, K29-K66, K71-K72, K75-M99, N10-N15, N20-N23, N28-N98
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Appendix 3. 39 Selected Causes of Death and associated ICD-10 codes

39 Selected Causes

ICD-10

All other and unspecified accidents and adverse effects

V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-X59, Y40-Y86, Y88

Intentional self-harm (suicide)

X60-X84, Y87.0

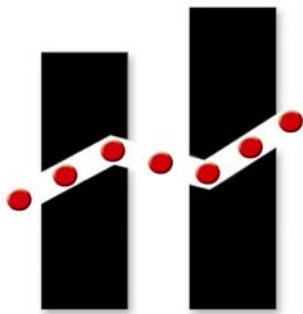
Assault (homicide)

X85-Y09, Y87.1

All other external causes

Y10-Y36, Y87.2, Y89

Those causes shaded are not included as specific causes in cause of death queries



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