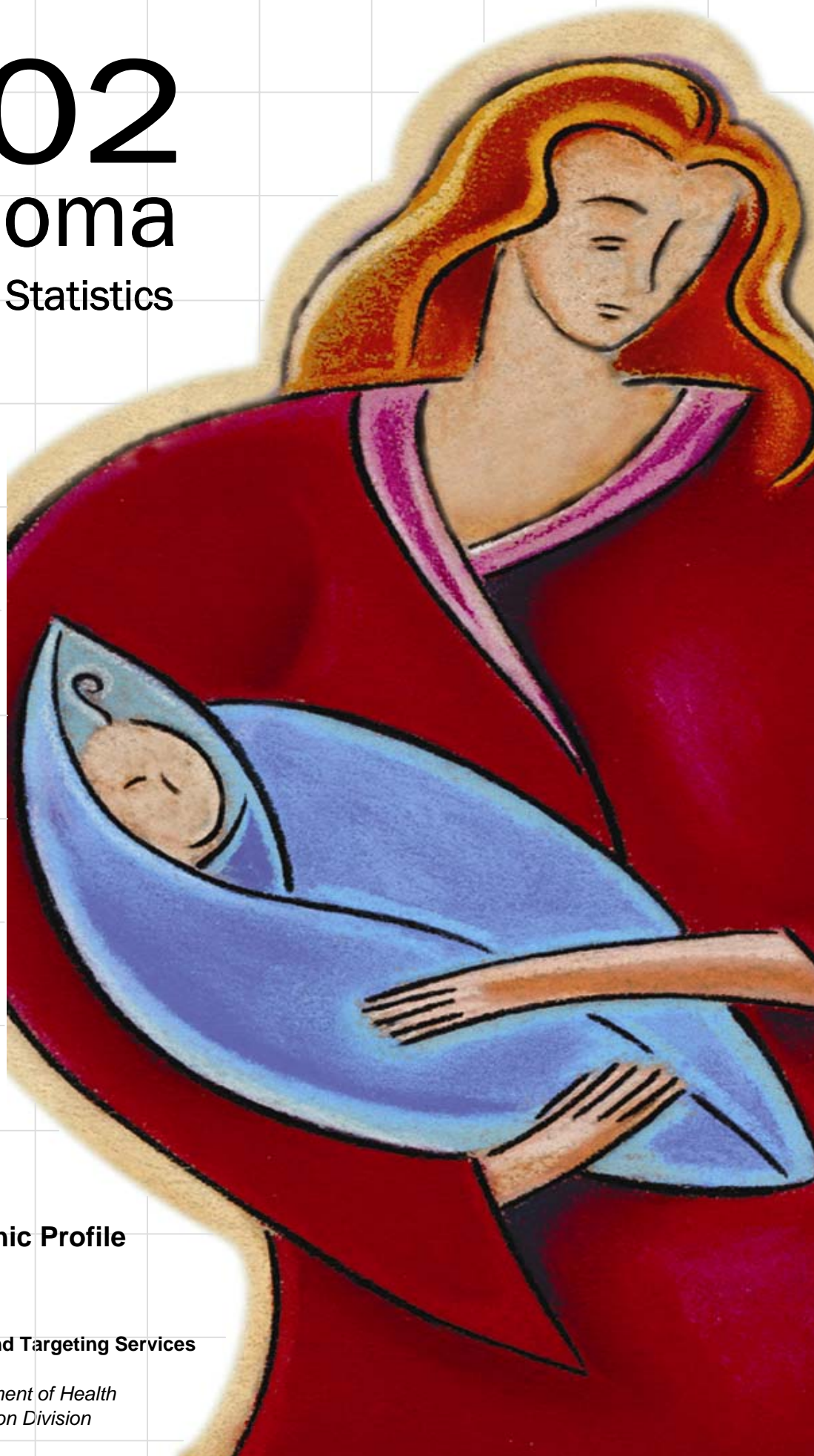


2002 Oklahoma

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
April 2004

**Selected Demographic Information
Birth and Death Certificates
The State of Oklahoma, 2002**

Prepared for use in planning and targeting of health services.

**James M. Crutcher, M.D., M.P.H.
Commissioner of Health and State Health Officer**

**John C. Burks, Director
Center for Health Information and State Registrar**

**Kelly Baker, M.P.H., Director
Health Care Information**

**Derek Pate, M.P.H., Biostatistician
Health Care Information**

Oklahoma State Department of Health
1000 N.E. 10th Street
Oklahoma City, OK 73117
www.Health.State.OK.US

Health Care Information Division
(405) 271-6225
[e-mail: chsadmin@Health.State.OK.US](mailto:chsadmin@Health.State.OK.US)

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 2002.

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 accomodate 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 (OKlahoma Statistics on Health Available foR Everyone. 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, 2002

(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	50,310	39,245	4,693	5,156	1,114	102	5,251	14.4	3,493,714
Adair	348	158	1	187	1	1	15	16.3	21,361
Alfalfa	35	34	-	1	-	-	-	5.9	5,898
Atoka	162	122	9	31	-	-	1	11.6	13,990
Beaver	66	65	-	1	-	-	14	11.8	5,575
Beckham	275	261	6	7	1	-	20	13.8	19,868
Blaine	111	88	1	22	-	-	4	9.2	12,082
Bryan	494	408	5	79	2	-	28	13.3	37,037
Caddo	440	277	5	154	4	-	61	14.7	30,000
Canadian	1,131	1,015	20	74	20	2	41	12.4	91,441
Carter	676	542	56	71	7	-	38	14.6	46,199
Cherokee	637	345	8	281	3	-	48	14.7	43,419
Choctaw	224	151	32	41	-	-	6	14.8	15,155
Cimarron	39	38	-	-	1	-	10	13.0	3,004
Cleveland	2,583	2,230	115	137	96	5	158	12.0	215,652
Coal	91	68	-	23	-	-	3	15.4	5,913
Comanche	1,904	1,255	460	133	55	1	219	16.8	113,414
Cotton	70	62	1	6	1	-	2	10.8	6,465
Craig	180	127	3	46	3	1	3	12.3	14,603
Creek	866	757	23	83	3	-	19	12.6	68,836
Custer	374	332	11	31	-	-	58	14.8	25,188
Delaware	435	288	1	142	4	-	9	11.5	37,813
Dewey	62	56	1	5	-	-	3	13.5	4,609
Ellis	40	39	-	1	-	-	4	10.1	3,967
Garfield	824	738	20	31	34	1	90	14.4	57,246
Garvin	360	312	8	35	4	1	22	13.2	27,176
Grady	614	550	14	43	2	5	33	13.2	46,664
Grant	52	49	-	2	1	-	1	10.3	5,030
Greer	70	69	1	-	-	-	8	12.1	5,787
Harmon	39	34	5	-	-	-	14	12.7	3,078
Harper	45	45	-	-	-	-	10	13.0	3,461
Haskell	179	153	1	25	-	-	3	15.3	11,726
Hughes	182	133	2	47	-	-	6	13.0	14,009
Jackson	447	386	36	15	10	-	103	16.4	27,333
Jefferson	67	63	-	3	1	-	8	10.2	6,579
Johnston	120	93	3	23	1	-	3	11.5	10,454
Kay	691	562	19	98	10	2	44	14.5	47,680
Kingfisher	198	187	3	7	1	-	34	14.4	13,731
Kiowa	137	121	7	9	-	-	12	13.8	9,927
Latimer	118	90	1	26	1	-	1	11.2	10,537
Leflore	726	601	8	116	1	-	82	15.0	48,432

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, 2002

(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	50,310	39,245	4,693	5,156	1,114	102	5,251	14.4	3,493,714
Lincoln	375	340	5	29	-	1	9	11.6	32,264
Logan	401	354	32	12	3	-	16	11.6	34,527
Love	109	94	-	14	1	-	12	12.2	8,911
McClain	381	353	1	21	5	1	37	13.5	28,236
McCurtain	495	344	44	106	1	-	21	14.5	34,187
McIntosh	229	164	6	55	4	-	2	11.6	19,736
Major	72	70	-	2	-	-	9	9.6	7,498
Marshall	158	138	1	18	-	1	33	11.7	13,547
Mayer	522	373	-	147	2	-	8	13.4	38,858
Murray	160	134	4	21	1	-	3	12.7	12,631
Muskogee	978	614	130	228	5	1	57	14.0	69,979
Noble	138	130	-	8	-	-	4	12.2	11,310
Nowata	129	89	5	35	-	-	1	12.0	10,747
Okfuskee	136	94	9	32	1	-	1	11.7	11,668
Oklahoma	11,464	8,382	2,043	478	495	66	2,022	17.0	672,487
Okmulgee	552	405	60	83	4	-	9	13.9	39,822
Osage	463	340	25	97	1	-	16	10.3	45,166
Ottawa	405	303	5	93	3	1	24	12.3	33,040
Pawnee	213	175	1	37	-	-	3	12.7	16,831
Payne	816	728	26	36	26	-	23	11.7	69,915
Pittsburg	455	352	13	86	4	-	14	10.3	44,006
Pontotoc	476	340	9	123	4	-	20	13.7	34,869
Pottawatomie	908	719	22	159	8	-	25	13.6	66,740
Pushmataha	115	92	-	23	-	-	4	9.8	11,704
Roger Mills	44	36	-	8	-	-	-	13.7	3,203
Rogers	928	778	6	139	4	1	24	12.3	75,567
Seminole	352	212	20	119	1	-	9	14.2	24,735
Sequoyah	564	430	11	120	3	-	14	14.2	39,852
Stephens	531	496	9	23	3	-	45	12.5	42,637
Texas	402	392	1	1	7	1	201	19.9	20,171
Tillman	106	92	10	3	1	-	42	11.8	8,984
Tulsa	9,288	7,212	1,255	567	244	10	1,218	16.3	571,348
Wagoner	758	620	38	94	6	-	27	12.6	60,339
Washington	561	460	15	80	6	-	31	11.4	49,189
Washita	136	127	-	9	-	-	4	11.9	11,454
Woods	96	92	-	2	2	-	5	11.0	8,758
Woodward	282	267	1	12	2	-	20	15.3	18,459

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, 2002

County	Race of mother					Total births	% of state
	White	Black	American Indian	Other	Hispanic ¹		
State	78.2	9.3	10.3	2.2	10.5	50,310	100.00
Adair	45.5	0.3	53.9	0.3	4.3	348	0.69
Alfalfa	97.1	0.0	2.9	0.0	0.0	35	0.07
Atoka	75.3	5.6	19.1	0.0	0.6	162	0.32
Beaver	98.5	0.0	1.5	0.0	21.2	66	0.13
Beckham	94.9	2.2	2.5	0.4	7.3	275	0.55
Blaine	79.3	0.9	19.8	0.0	3.6	111	0.22
Bryan	82.6	1.0	16.0	0.4	5.7	494	0.98
Caddo	63.0	1.1	35.0	0.9	13.9	440	0.87
Canadian	89.9	1.8	6.6	1.8	3.6	1,131	2.25
Carter	80.2	8.3	10.5	1.0	5.6	676	1.34
Cherokee	54.2	1.3	44.1	0.5	7.5	637	1.27
Choctaw	67.4	14.3	18.3	0.0	2.7	224	0.45
Cimarron	97.4	0.0	0.0	2.6	25.6	39	0.08
Cleveland	86.5	4.5	5.3	3.7	6.1	2,583	5.13
Coal	74.7	0.0	25.3	0.0	3.3	91	0.18
Comanche	65.9	24.2	7.0	2.9	11.5	1,904	3.78
Cotton	88.6	1.4	8.6	1.4	2.9	70	0.14
Craig	70.9	1.7	25.7	1.7	1.7	180	0.36
Creek	87.4	2.7	9.6	0.3	2.2	866	1.72
Custer	88.8	2.9	8.3	0.0	15.5	374	0.74
Delaware	66.2	0.2	32.6	0.9	2.1	435	0.86
Dewey	90.3	1.6	8.1	0.0	4.8	62	0.12
Ellis	97.5	0.0	2.5	0.0	10.0	40	0.08
Garfield	89.7	2.4	3.8	4.1	10.9	824	1.64
Garvin	86.9	2.2	9.7	1.1	6.1	360	0.72
Grady	90.3	2.3	7.1	0.3	5.4	614	1.22
Grant	94.2	0.0	3.8	1.9	1.9	52	0.10
Greer	98.6	1.4	0.0	0.0	11.4	70	0.14
Harmon	87.2	12.8	0.0	0.0	35.9	39	0.08
Harper	100.0	0.0	0.0	0.0	22.2	45	0.09
Haskell	85.5	0.6	14.0	0.0	1.7	179	0.36
Hughes	73.1	1.1	25.8	0.0	3.3	182	0.36
Jackson	86.4	8.1	3.4	2.2	23.0	447	0.89
Jefferson	94.0	0.0	4.5	1.5	11.9	67	0.13
Johnston	77.5	2.5	19.2	0.8	2.5	120	0.24
Kay	81.6	2.8	14.2	1.5	6.4	691	1.37
Kingfisher	94.4	1.5	3.5	0.5	17.2	198	0.39
Kiowa	88.3	5.1	6.6	0.0	8.8	137	0.27
Latimer	76.3	0.8	22.0	0.8	0.8	118	0.23
Leflore	82.8	1.1	16.0	0.1	11.3	726	1.44

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, 2002

<i>County</i>	<i>Race of mother</i>					<i>Total births</i>	<i>% of state</i>
	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Other</i>	<i>Hispanic¹</i>		
State	78.2	9.3	10.3	2.2	10.5	50,310	100.00
Lincoln	90.9	1.3	7.8	0.0	2.4	375	0.75
Logan	88.3	8.0	3.0	0.7	4.0	401	0.80
Love	86.2	0.0	12.8	0.9	11.0	109	0.22
McClain	92.9	0.3	5.5	1.3	9.7	381	0.76
McCurain	69.5	8.9	21.4	0.2	4.2	495	0.98
McIntosh	71.6	2.6	24.0	1.7	0.9	229	0.46
Major	97.2	0.0	2.8	0.0	12.5	72	0.14
Marshall	87.9	0.6	11.5	0.0	21.0	158	0.31
Mayes	71.5	0.0	28.2	0.4	1.5	522	1.04
Murray	83.8	2.5	13.1	0.6	1.9	160	0.32
Muskogee	62.8	13.3	23.3	0.5	5.8	978	1.94
Noble	94.2	0.0	5.8	0.0	2.9	138	0.27
Nowata	69.0	3.9	27.1	0.0	0.8	129	0.26
Okfuskee	69.1	6.6	23.5	0.7	0.7	136	0.27
Oklahoma	73.5	17.9	4.2	4.3	17.7	11,464	22.79
Okmulgee	73.4	10.9	15.0	0.7	1.6	552	1.10
Osage	73.4	5.4	21.0	0.2	3.5	463	0.92
Ottawa	75.0	1.2	23.0	0.7	5.9	405	0.81
Pawnee	82.2	0.5	17.4	0.0	1.4	213	0.42
Payne	89.2	3.2	4.4	3.2	2.8	816	1.62
Pittsburg	77.4	2.9	18.9	0.9	3.1	455	0.90
Pontotoc	71.4	1.9	25.8	0.8	4.2	476	0.95
Pottawatomie	79.2	2.4	17.5	0.9	2.8	908	1.80
Pushmataha	80.0	0.0	20.0	0.0	3.5	115	0.23
Roger Mills	81.8	0.0	18.2	0.0	0.0	44	0.09
Rogers	83.9	0.6	15.0	0.4	2.6	928	1.84
Seminole	60.2	5.7	33.8	0.3	2.6	352	0.70
Sequoyah	76.2	2.0	21.3	0.5	2.5	564	1.12
Stephens	93.4	1.7	4.3	0.6	8.5	531	1.06
Texas	97.8	0.2	0.2	1.7	50.1	402	0.80
Tillman	86.8	9.4	2.8	0.9	39.6	106	0.21
Tulsa	77.7	13.5	6.1	2.6	13.1	9,288	18.46
Wagoner	81.8	5.0	12.4	0.8	3.6	758	1.51
Washington	82.0	2.7	14.3	1.1	5.5	561	1.12
Washita	93.4	0.0	6.6	0.0	2.9	136	0.27
Woods	95.8	0.0	2.1	2.1	5.2	96	0.19
Woodward	94.7	0.4	4.3	0.7	7.1	282	0.56

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, 2002

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+ years	
State	50,310	113	2,216	5,086	17,038	13,324	8,487	3,301	707	30	8
Adair	348	2	31	46	134	65	44	18	8	-	-
Alfalfa	35	-	2	5	9	10	3	4	2	-	-
Atoka	162	1	5	33	67	34	18	3	1	-	-
Beaver	66	-	5	5	17	17	18	3	1	-	-
Beckham	275	-	12	39	120	62	31	10	1	-	-
Blaine	111	-	5	10	49	32	9	5	1	-	-
Bryan	494	1	28	62	196	107	64	29	7	-	-
Caddo	440	2	32	63	174	84	59	22	4	-	-
Canadian	1,131	3	31	97	303	323	263	94	17	-	-
Carter	676	3	27	89	240	191	89	30	6	1	-
Cherokee	637	1	33	65	233	163	92	42	7	1	-
Choctaw	224	1	21	34	85	44	22	11	6	-	-
Cimarron	39	-	1	5	9	13	10	1	-	-	-
Cleveland	2,583	3	65	203	706	787	536	235	44	4	-
Coal	91	1	4	14	30	27	11	4	-	-	-
Comanche	1,904	3	79	248	762	462	237	95	16	1	1
Cotton	70	1	3	8	22	21	11	3	1	-	-
Craig	180	-	5	19	73	44	30	6	3	-	-
Creek	866	1	34	101	299	231	138	52	10	-	-
Custer	374	-	21	39	129	105	50	24	5	-	1
Delaware	435	1	20	62	141	119	65	23	4	-	-
Dewey	62	-	1	8	24	15	7	6	1	-	-
Ellis	40	-	-	2	15	14	9	-	-	-	-
Garfield	824	-	32	99	286	225	127	43	12	-	-
Garvin	360	1	12	34	144	91	52	21	5	-	-
Grady	614	-	27	59	226	163	96	38	5	-	-
Grant	52	-	7	3	17	12	11	2	-	-	-
Greer	70	-	4	13	22	20	9	2	-	-	-
Harmon	39	1	4	8	17	6	2	-	-	1	-
Harper	45	-	1	2	20	12	8	2	-	-	-
Haskell	179	2	12	33	70	31	19	9	3	-	-
Hughes	182	-	12	16	78	45	25	4	2	-	-
Jackson	447	-	28	42	161	109	69	32	5	1	-
Jefferson	67	-	5	6	20	19	15	2	-	-	-
Johnston	120	-	6	20	54	24	8	6	2	-	-
Kay	691	-	51	76	261	171	89	34	9	-	-
Kingfisher	198	-	9	22	61	52	36	13	5	-	-
Kiowa	137	1	6	16	63	37	10	3	1	-	-
Latimer	118	-	8	9	55	29	11	4	2	-	-
Leflore	726	3	33	95	293	173	87	37	4	-	1

- Denotes no events in that category.

Table 3. Number of births by age of mother: Oklahoma and each County, 2002

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+ years	
State	50,310	113	2,216	5,086	17,038	13,324	8,487	3,301	707	30	8
Lincoln	375	-	22	47	133	92	52	22	7	-	-
Logan	401	1	10	38	135	102	86	21	8	-	-
Love	109	-	3	8	37	35	22	2	2	-	-
McClain	381	-	13	38	115	113	71	27	4	-	-
McCurtain	495	1	32	61	182	128	66	24	1	-	-
McIntosh	229	-	17	23	91	50	37	11	-	-	-
Major	72	-	1	4	19	28	17	3	-	-	-
Marshall	158	-	7	12	59	42	28	5	4	1	-
Mayes	522	2	19	49	220	130	72	22	7	-	1
Murray	160	-	9	23	53	36	24	12	3	-	-
Muskogee	978	6	33	120	387	261	120	37	14	-	-
Noble	138	1	3	11	53	36	23	9	2	-	-
Nowata	129	-	6	15	54	30	11	9	3	-	1
Okfuskee	136	-	11	19	40	34	21	10	1	-	-
Oklahoma	11,464	26	497	1,076	3,723	3,093	2,043	829	168	9	-
Okmulgee	552	3	31	66	220	132	68	23	9	-	-
Osage	463	-	26	47	158	131	60	32	9	-	-
Ottawa	405	-	23	44	147	107	64	15	4	1	-
Pawnee	213	-	5	27	76	55	37	10	3	-	-
Payne	816	3	30	75	268	235	133	53	19	-	-
Pittsburg	455	3	30	58	179	120	44	14	7	-	-
Pontotoc	476	1	26	49	171	129	69	24	7	-	-
Pottawatomie	908	2	44	96	341	239	124	55	6	1	-
Pushmataha	115	-	13	15	43	23	15	6	-	-	-
Roger Mills	44	-	-	11	16	6	8	3	-	-	-
Rogers	928	2	25	76	299	245	184	80	16	1	-
Seminole	352	1	28	52	126	77	41	23	4	-	-
Sequoyah	564	2	24	67	200	157	75	30	8	-	1
Stephens	531	2	19	58	214	135	78	21	4	-	-
Texas	402	1	25	46	153	95	54	19	7	-	2
Tillman	106	1	6	16	32	27	21	3	-	-	-
Tulsa	9,288	21	390	746	2,801	2,492	1,906	770	154	8	-
Wagoner	758	1	27	70	229	225	150	47	9	-	-
Washington	561	1	29	48	171	165	100	37	10	-	-
Washita	136	-	5	14	59	35	14	8	1	-	-
Woods	96	-	1	5	45	25	13	5	2	-	-
Woodward	282	-	4	46	104	70	46	8	4	-	-

Table 4. Age-specific birth rates by age of mother: Oklahoma and each County, average 2000-2002

(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	58.5	31.1	97.6	132.5	120.1	75.2	27.0	5.1	68.0
Adair	101.0	59.4	174.1	217.5	112.1	60.2	23.6	6.9	85.1
Alfalfa	22.3	5.1	56.7	115.5	145.1	42.6	21.3	4.0	45.4
Atoka	67.5	29.6	134.7	186.6	108.7	49.1	14.0	3.0	65.9
Beaver	41.7	21.0	78.2	168.2	138.9	76.6	11.4	2.8	56.5
Beckham	72.8	30.6	136.6	182.7	120.9	65.2	18.6	3.2	73.3
Blaine	67.4	38.2	120.4	148.8	131.6	53.0	21.1	6.8	65.6
Bryan	67.2	32.7	111.7	129.9	107.2	52.7	20.4	5.6	66.3
Caddo	68.1	35.1	126.8	187.4	121.4	67.5	21.0	3.1	71.3
Canadian	33.4	14.5	68.0	111.9	130.1	84.6	28.2	4.4	58.0
Carter	66.2	30.2	127.3	182.7	123.3	58.6	21.8	3.2	70.5
Cherokee	55.1	39.4	69.9	99.2	109.0	68.2	25.8	3.8	62.7
Choctaw	101.6	60.6	170.0	194.5	105.6	53.3	21.1	4.8	76.2
Cimarron	47.9	18.1	106.2	178.4	185.4	74.4	21.7	.	84.9
Cleveland	28.7	14.5	44.3	64.2	99.2	74.4	26.6	3.9	49.0
Coal	81.3	37.4	163.6	153.2	126.2	57.0	27.6	6.3	72.1
Comanche	75.3	36.2	129.5	168.4	123.2	63.0	24.8	5.1	77.5
Cotton	49.0	27.4	86.2	146.7	118.9	59.4	13.4	4.3	59.4
Craig	66.4	31.9	120.7	174.9	142.6	73.4	16.9	4.1	70.7
Creek	60.0	27.5	117.5	154.8	122.4	61.7	23.4	3.1	64.5
Custer	47.6	32.5	60.7	75.3	128.2	76.8	23.6	3.7	58.3
Delaware	65.9	25.1	139.6	159.6	112.6	58.4	15.5	4.5	64.3
Dewey	20.5	4.4	45.7	82.0	88.2	31.4	15.0	0.9	32.3
Ellis	28.2	13.4	53.4	188.1	156.9	96.7	9.1	2.5	65.1
Garfield	62.6	29.3	116.1	160.4	130.5	74.6	23.2	4.0	71.5
Garvin	59.3	28.0	110.7	175.4	135.2	68.6	21.0	4.5	71.4
Grady	48.8	24.5	82.5	130.8	121.3	59.9	20.9	3.2	59.5
Grant	32.7	24.9	47.6	152.8	126.5	77.5	24.2	1.8	55.2
Greer	95.4	31.0	199.0	157.5	150.6	55.6	20.0	4.0	74.9
Harmon	71.9	47.3	119.7	181.4	72.4	75.2	12.7	5.6	63.2
Harper	29.6	16.6	53.4	223.3	142.1	97.8	35.5	2.3	69.1
Haskell	104.7	52.5	179.9	182.8	110.0	61.4	16.6	5.0	77.4
Hughes	66.3	33.5	120.3	193.2	117.0	72.6	12.9	5.0	71.6
Jackson	68.9	43.3	107.3	171.4	129.7	78.6	21.1	5.5	76.4
Jefferson	45.1	22.9	84.0	142.3	139.1	73.3	10.6	1.4	61.0
Johnston	67.3	25.4	127.5	137.6	103.2	39.4	17.5	5.0	59.1
Kay	63.9	35.9	106.5	166.8	138.4	73.8	25.4	6.1	73.3
Kingfisher	44.4	27.5	73.6	162.6	152.3	92.1	28.4	5.5	68.6
Kiowa	67.5	37.9	115.5	219.7	159.0	48.5	14.0	3.5	73.5
Latimer	52.6	34.0	68.6	132.3	99.9	43.0	17.5	3.5	56.2
Leflore	78.5	34.2	148.0	192.6	129.5	55.8	23.3	2.9	77.7

- Denotes no events in that category.

Table 4. Age-specific birth rates by age of mother: Oklahoma and each County, average 2000-2002

(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	58.5	31.1	97.6	132.5	120.1	75.2	27.0	5.1	68.0
Lincoln	57.6	26.9	111.4	153.5	110.8	62.0	22.0	3.4	61.2
Logan	30.5	14.3	48.0	87.0	109.3	78.5	27.2	4.3	52.0
Love	62.1	33.5	112.9	153.8	133.3	65.6	14.2	5.1	64.1
McClain	47.6	20.7	94.9	155.5	145.9	73.2	22.4	3.5	64.8
McCurtain	78.1	43.1	136.3	183.6	129.3	57.5	19.4	2.7	74.2
McIntosh	61.4	34.6	108.5	171.5	118.4	63.0	18.4	2.6	66.5
Major	24.7	9.9	49.3	122.6	134.0	80.3	28.4	4.5	54.8
Marshall	61.6	34.0	105.2	176.0	123.7	70.8	16.6	4.3	69.9
Mayes	65.9	28.9	130.3	162.1	129.1	62.6	19.7	4.2	70.4
Murray	65.4	35.6	109.7	147.2	102.5	58.8	25.1	3.7	63.4
Muskogee	64.6	30.8	113.9	164.0	117.0	57.7	15.7	4.2	68.3
Noble	44.0	15.7	95.9	170.1	124.0	66.4	30.2	5.8	65.2
Nowata	56.6	19.5	127.3	173.7	111.4	58.0	24.9	5.0	64.1
Okfuskee	70.3	34.3	131.8	154.2	118.7	58.2	19.4	6.2	67.2
Oklahoma	67.8	39.8	107.5	133.0	120.5	85.5	34.2	6.5	75.1
Okmulgee	66.0	30.6	118.2	161.0	120.8	65.2	21.7	4.6	69.4
Osage	49.6	24.4	92.5	138.0	122.8	57.1	24.5	5.7	57.5
Ottawa	62.0	33.2	96.4	154.9	120.5	59.6	20.1	3.7	68.0
Pawnee	44.8	19.5	93.2	155.2	141.2	57.8	20.0	6.7	63.0
Payne	26.5	23.4	27.9	44.8	91.7	76.6	30.0	7.4	45.1
Pittsburg	64.8	37.6	112.2	166.9	121.9	51.8	14.0	3.2	63.0
Pontotoc	65.9	35.1	110.1	117.4	126.9	65.2	20.1	4.7	67.4
Pottawatomie	61.6	32.8	98.5	133.2	108.7	59.1	22.5	2.3	63.5
Pushmataha	61.6	41.1	100.4	174.9	114.9	41.2	14.3	0.8	58.6
Roger Mills	57.4	8.9	134.8	236.2	187.8	81.9	19.5		98.8
Rogers	37.7	15.3	76.2	140.3	116.4	75.9	25.8	5.9	59.3
Seminole	86.8	40.0	157.1	167.8	130.5	63.1	26.1	4.3	76.8
Sequoyah	67.9	29.6	134.0	171.6	124.7	52.4	16.9	4.8	68.5
Stephens	54.3	23.3	105.1	165.0	126.1	61.6	18.5	2.2	63.9
Texas	80.1	50.8	117.2	171.9	139.0	87.7	28.3	7.9	88.7
Tillman	73.2	38.3	139.5	172.9	128.7	63.0	12.1	3.4	68.4
Tulsa	62.2	34.0	104.6	139.1	122.2	91.7	35.3	6.9	74.6
Wagoner	43.2	22.2	79.5	127.4	127.2	75.2	21.9	3.3	59.4
Washington	49.1	23.8	93.1	130.7	125.0	75.9	25.2	5.1	61.9
Washita	45.8	22.0	87.8	169.7	103.7	49.9	19.8	3.1	58.2
Woods	22.9	4.1	40.2	85.7	120.5	82.0	16.3	3.6	53.6
Woodward	62.3	25.7	128.5	185.2	144.3	64.2	15.9	2.6	71.2

- Denotes no events in that category.

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, 2002

County	Race of mother			Total < 20 years	% 1st Trimester	% Poor ¹ Care	% Previous Births	% Not Married
	White	Black	American Indian					
State	5,316	948	1,069	7,415	65.3	10.5	21.5	73.6
Adair	30	1	47	79	59.7	5.6	19.0	81.0
Alfalfa	6	-	1	7	**	**	**	**
Atoka	28	3	8	39	66.7	2.6	25.6	56.4
Beaver	10	-	-	10	**	**	**	**
Beckham	48	1	2	51	62.0	8.0	15.7	74.5
Blaine	10	1	4	15	**	**	**	**
Bryan	69	2	20	91	80.2	6.6	19.8	72.5
Caddo	49	-	48	97	63.4	11.8	20.6	84.5
Canadian	108	9	13	131	81.3	4.7	16.8	85.5
Carter	95	11	13	119	83.2	3.4	26.1	67.2
Cherokee	51	2	46	99	53.6	5.2	21.2	77.8
Choctaw	37	10	9	56	56.6	9.4	19.6	83.9
Cimarron	6	-	-	6	**	**	**	**
Cleveland	225	15	28	271	70.3	11.4	17.0	76.0
Coal	12	-	7	19	**	**	**	**
Comanche	203	94	27	330	77.6	7.1	23.6	63.0
Cotton	11	1	-	12	**	**	**	**
Craig	19	1	4	24	54.2	20.8	16.7	75.0
Creek	111	6	19	136	53.2	11.3	22.1	66.2
Custer	51	4	5	60	62.7	6.8	26.7	58.3
Delaware	45	-	38	83	61.7	13.6	20.5	67.5
Dewey	8	-	1	9	**	**	**	**
Ellis	2	-	-	2	**	**	**	**
Garfield	118	3	4	131	68.5	6.2	23.7	74.8
Garvin	36	1	10	47	77.8	6.7	17.0	63.8
Grady	73	4	5	86	66.3	3.5	16.3	69.8
Grant	9	-	1	10	**	**	**	**
Greer	16	1	-	17	**	**	**	**
Harmon	12	1	-	13	**	**	**	**
Harper	3	-	-	3	**	**	**	**
Haskell	37	1	9	47	63.8	8.5	34.0	63.8
Hughes	20	-	8	28	65.4	11.5	17.9	85.7
Jackson	59	7	4	70	82.9	1.4	22.9	72.9
Jefferson	11	-	-	11	**	**	**	**
Johnston	17	2	7	26	69.2	3.8	19.2	50.0
Kay	102	2	23	127	52.8	11.8	15.9	78.7
Kingfisher	29	-	2	31	83.9	0.0	29.0	54.8
Kiowa	21	1	1	23	78.3	4.3	21.7	73.9
Latimer	10	-	7	17	**	**	**	**
Leflore	102	3	26	131	66.1	10.2	23.1	67.2

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, 2002

County	Race of mother			Total < 20 years	% 1st Trimester	% Poor ¹ Care	% Previous Births	% Not Married
	White	Black	American Indian					
State	5,316	948	1,069	7,415	65.3	10.5	21.5	73.6
Lincoln	64	-	4	69	74.5	6.4	17.4	69.6
Logan	40	5	4	49	65.2	4.3	20.4	71.4
Love	10	-	1	11	**	**	**	**
McClain	46	-	5	51	74.5	9.8	17.6	58.8
McCurtain	65	7	22	94	78.5	5.4	24.5	70.2
McIntosh	25	3	11	40	55.0	7.5	20.0	70.0
Major	4	-	1	5	**	**	**	**
Marshall	14	-	4	19	**	**	**	**
Mayer	49	-	21	70	69.6	4.3	12.9	74.3
Murray	26	1	5	32	66.7	3.3	18.8	62.5
Muskogee	89	30	40	159	60.5	7.0	20.1	73.0
Noble	13	-	2	15	**	**	**	**
Nowata	10	3	8	21	57.1	9.5	23.8	66.7
Okfuskee	21	1	8	30	90.0	3.3	20.0	70.0
Oklahoma	1,052	405	102	1,599	66.0	12.5	25.2	78.4
Okmulgee	72	7	21	100	69.7	9.1	15.0	70.0
Osage	50	3	20	73	71.8	7.0	20.5	75.3
Ottawa	48	1	18	67	61.9	11.1	22.4	67.2
Pawnee	20	1	11	32	56.5	8.7	15.6	68.8
Payne	97	2	8	108	55.4	13.5	16.7	68.5
Pittsburg	69	2	19	91	63.7	15.4	19.8	64.8
Pontotoc	43	-	33	76	65.8	10.5	23.7	72.4
Pottawatomie	106	2	34	142	77.5	7.0	18.3	76.1
Pushmataha	23	-	5	28	78.6	7.1	14.3	50.0
Roger Mills	8	-	3	11	**	**	**	**
Rogers	73	3	27	103	66.0	4.9	20.4	67.0
Seminole	43	7	31	81	63.3	13.9	27.2	81.5
Sequoyah	67	3	22	93	66.7	9.7	18.3	59.1
Stephens	72	3	4	79	68.8	10.4	19.0	60.8
Texas	71	-	-	72	56.3	15.5	16.7	61.1
Tillman	19	3	1	23	82.6	4.3	13.0	69.6
Tulsa	798	255	92	1,157	53.1	17.7	20.5	80.4
Wagoner	68	10	19	98	50.5	12.9	25.5	68.4
Washington	61	3	13	78	83.1	0.0	17.9	73.1
Washita	19	-	-	19	**	**	**	**
Woods	5	-	1	6	**	**	**	**
Woodward	47	1	2	50	74.0	4.0	28.0	60.0

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, 2002

County	Low Birthweight				Not Married		Education < 12 grades		Total Births
	< 1500 grams		< 2500 grams		Number	%	Number	%	
State	649	1.3	4021	8.0	18,334	36.4	11,955	23.8	50,310
Adair	8	2.3	23	6.6	174	50.1	134	38.8	348
Alfalfa	-	-	2	5.7	10	28.6	4	11.4	35
Atoka	2	1.2	17	10.5	67	41.4	42	25.9	162
Beaver	-	-	4	6.1	17	25.8	15	22.7	66
Beckham	4	1.5	20	7.3	106	38.5	53	19.6	275
Blaine	1	0.9	10	9.0	45	40.5	25	22.5	111
Bryan	4	0.8	42	8.5	205	41.5	133	26.9	494
Caddo	4	0.9	27	6.1	217	49.3	95	21.6	440
Canadian	14	1.2	79	7.0	313	27.7	149	13.2	1,131
Carter	10	1.5	51	7.5	262	38.8	198	29.3	676
Cherokee	2	0.3	39	6.1	250	39.2	173	27.2	637
Choctaw	4	1.8	22	9.8	109	48.7	61	27.2	224
Cimarron	0	-	4	10.3	9	23.1	11	28.2	39
Cleveland	27	1.0	180	7.0	664	25.7	332	12.9	2,583
Coal	1	1.1	7	7.7	29	31.9	27	29.7	91
Comanche	20	1.1	161	8.5	651	34.2	316	16.6	1,904
Cotton	1	1.5	4	5.9	21	30.0	8	11.4	70
Craig	0	-	13	7.2	65	36.1	40	22.2	180
Creek	11	1.3	68	7.9	275	31.8	207	23.9	866
Custer	4	1.1	34	9.1	124	33.2	91	24.5	374
Delaware	6	1.4	38	8.7	163	37.5	123	28.4	435
Dewey	-	-	4	6.5	19	30.6	12	19.4	62
Ellis	-	-	2	5.0	8	20.0	6	15.0	40
Garfield	6	0.7	56	6.8	317	38.5	187	22.7	824
Garvin	1	0.3	22	6.1	110	30.6	69	19.2	360
Grady	7	1.1	53	8.6	198	32.2	129	21.0	614
Grant	2	3.8	6	11.5	11	21.2	12	23.1	52
Greer	3	4.3	11	15.7	28	40.0	22	31.4	70
Harmon	1	2.6	5	12.8	24	61.5	15	38.5	39
Harper	3	6.7	4	8.9	17	37.8	9	20.0	45
Haskell	5	2.8	20	11.2	73	41.0	42	23.5	179
Hughes	3	1.6	19	10.4	81	44.5	45	24.7	182
Jackson	8	1.8	36	8.1	147	32.9	98	21.9	447
Jefferson	-	-	7	10.4	23	34.3	26	38.8	67
Johnston	1	0.8	7	5.8	44	36.7	30	25.0	120
Kay	9	1.3	52	7.5	304	44.0	197	28.5	691
Kingfisher	1	0.5	20	10.1	49	24.7	51	25.8	198
Kiowa	4	2.9	22	16.1	63	46.0	36	26.3	137
Latimer	-	-	11	9.3	43	36.4	34	29.1	118
Leflore	6	0.8	33	4.5	255	35.1	199	27.6	726

- 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, 2002

County	Low Birthweight				Not Married		Education < 12 grades		Total Births
	< 1500 grams		< 2500 grams		Number	%	Number	%	
State	649	1.3	4021	8.0	18,334	36.4	11,955	23.8	50,310
Lincoln	2	0.5	28	7.5	130	34.7	86	23.0	375
Logan	6	1.5	33	8.2	119	29.7	70	17.5	401
Love	2	1.8	11	10.1	34	31.2	26	23.9	109
McClain	6	1.6	25	6.6	95	24.9	68	17.9	381
McCurtain	-	-	32	6.5	208	42.0	141	28.5	495
McIntosh	8	3.5	24	10.5	90	39.3	68	29.7	229
Major	-	-	4	5.6	14	19.4	15	20.8	72
Marshall	5	3.2	12	7.6	52	32.9	48	30.4	158
Mayes	5	1.0	39	7.5	168	32.2	133	25.5	522
Murray	2	1.3	16	10.0	52	32.7	46	28.8	160
Muskogee	11	1.1	73	7.5	394	40.3	279	28.7	978
Noble	2	1.4	7	5.1	34	24.6	29	21.0	138
Nowata	-	-	6	4.7	51	39.5	28	21.7	129
Okfuskee	1	0.7	11	8.1	55	40.4	46	33.8	136
Oklahoma	173	1.5	1,038	9.1	4807	41.9	3192	28.0	11,464
Okmulgee	6	1.1	40	7.2	234	42.4	134	24.3	552
Osage	10	2.2	47	10.2	174	37.6	85	18.4	463
Ottawa	7	1.7	23	5.7	156	38.5	94	23.4	405
Pawnee	1	0.5	12	5.6	66	31.0	41	19.2	213
Payne	6	0.7	53	6.5	244	29.9	134	16.4	816
Pittsburg	9	2.0	43	9.5	173	38.0	115	25.3	455
Pontotoc	6	1.3	36	7.6	178	37.5	106	22.3	476
Pottawatomie	16	1.8	75	8.3	357	39.3	203	22.4	908
Pushmataha	1	0.9	6	5.2	42	36.5	40	34.8	115
Roger Mills	-	-	4	9.1	17	38.6	10	22.7	44
Rogers	13	1.4	67	7.2	242	26.1	150	16.2	928
Seminole	2	0.6	21	6.0	189	53.7	110	31.6	352
Sequoyah	8	1.4	44	7.8	182	32.3	152	27.2	564
Stephens	5	0.9	32	6.0	169	31.8	120	22.6	531
Texas	6	1.5	35	8.7	149	37.2	169	42.5	402
Tillman	1	0.9	6	5.7	47	44.3	29	27.4	106
Tulsa	126	1.4	734	7.9	3,274	35.3	2,192	23.6	9,288
Wagoner	5	0.7	56	7.4	206	27.2	149	19.7	758
Washington	5	0.9	41	7.3	184	32.8	106	18.9	561
Washita	1	0.7	11	8.1	38	27.9	19	14.0	136
Woods	2	2.1	6	6.3	23	24.0	9	9.5	96
Woodward	7	2.5	35	12.4	97	34.4	57	20.2	282

Table 7. Risk factors for Infants: Birth Interval and Parity Oklahoma and each County, 2002

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	19,592	16,099	14,588	31	61.0	260	16.3	2,010	6.9	50,310
Adair	134	96	118	-	61.5	1	6.7	13	6.5	348
Alfalfa	14	12	9	-	60.0	-	**	2	**	35
Atoka	71	53	38	-	56.2	2	**	6	7.4	162
Beaver	26	24	16	-	60.6	-	**	1	2.5	66
Beckham	121	85	69	-	56.0	1	**	7	4.8	275
Blaine	39	36	36	-	64.9	-	**	6	8.8	111
Bryan	224	154	115	1	54.6	2	**	11	4.4	494
Caddo	188	121	131	-	57.3	4	20.0	21	9.1	440
Canadian	437	386	308	-	61.4	8	36.4	42	6.3	1,131
Carter	250	216	209	1	63.0	7	22.6	29	7.4	676
Cherokee	257	209	170	1	59.6	2	9.5	29	8.1	637
Choctaw	92	78	52	2	58.6	-	**	9	7.6	224
Cimarron	12	10	17	-	69.2	1	**	3	12.0	39
Cleveland	1,129	821	633	-	56.3	3	6.5	64	4.5	2,583
Coal	33	30	28	-	63.7	1	**	6	11.1	91
Comanche	781	567	553	3	58.9	12	15.4	81	7.8	1,904
Cotton	31	25	14	-	55.7	-	**	1	2.7	70
Craig	66	58	56	-	63.3	-	**	5	4.5	180
Creek	297	291	278	-	65.7	6	20.0	32	5.9	866
Custer	149	120	105	-	60.2	2	**	14	6.7	374
Delaware	159	136	140	-	63.4	2	**	24	9.3	435
Dewey	27	12	23	-	56.5	-	**	5	14.3	62
Ellis	9	17	14	-	77.5	-	**	-	0	40
Garfield	330	251	243	-	60.0	3	9.7	37	8.0	824
Garvin	127	111	122	-	64.7	1	**	12	5.3	360
Grady	238	173	203	-	61.2	3	**	27	7.5	614
Grant	23	14	15	-	55.8	-	**	2	6.9	52
Greer	26	27	17	-	62.9	1	**	3	7.7	70
Harmon	18	13	8	-	53.8	1	**	-	**	39
Harper	21	15	9	-	53.3	-	**	-	0.0	45
Haskell	65	60	54	-	63.7	1	**	7	7.1	179
Hughes	66	60	56	-	63.7	-	**	8	7.2	182
Jackson	185	133	129	-	58.6	2	**	11	4.5	447
Jefferson	22	31	14	-	67.2	1	**	4	9.3	67
Johnston	45	46	28	1	62.2	-	**	2	2.9	120
Kay	249	219	217	6	63.6	1	5.0	30	7.2	691
Kingfisher	69	64	64	1	65.0	-	**	4	3.4	198
Kiowa	53	49	35	-	61.3	-	**	2	2.5	137
Latimer	39	49	30	-	66.9	1	**	3	4.1	118
Leflore	277	236	212	1	61.8	4	13.3	25	6.0	726

- 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, 2002

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	19,592	16,099	14,588	31	61.0	260	16.3	2,010	6.9	50,310
Lincoln	137	120	117	1	63.4	1	**	13	5.8	375
Logan	172	130	99	-	57.1	2	**	12	5.5	401
Love	33	36	40	-	69.7	-	**	4	5.5	109
McClain	149	126	106	-	60.9	4	**	13	5.8	381
McCurtain	181	176	135	3	63.2	4	17.4	12	4.2	495
McIntosh	86	80	63	-	62.4	-	**	13	9.6	229
Major	24	29	19	-	66.7	-	**	1	2.1	72
Marshall	66	42	50	-	58.2	1	**	9	10.3	158
Mayes	183	192	147	-	64.9	1	**	19	5.8	522
Murray	64	50	46	-	60.0	3	**	10	11.1	160
Muskogee	372	316	288	2	61.9	7	21.9	31	5.4	978
Noble	59	43	36	-	57.2	-	**	3	4.0	138
Nowata	46	48	35	-	64.3	-	**	6	7.8	129
Okfuskee	41	44	51	-	69.9	-	**	11	12.4	136
Oklahoma	4,457	3,529	3,475	3	61.1	85	21.1	548	8.3	11,464
Okmulgee	205	182	164	1	62.8	2	**	19	5.7	552
Osage	168	152	143	-	63.7	2	**	20	7.1	463
Ottawa	135	138	132	-	66.7	1	**	15	5.9	405
Pawnee	83	61	69	-	61.0	2	**	12	9.6	213
Payne	371	253	192	-	54.5	2	**	28	6.6	816
Pittsburg	176	164	115	-	61.3	3	**	17	6.5	455
Pontotoc	182	161	133	-	61.8	5	**	12	4.3	476
Pottawatomie	358	293	257	-	60.6	4	15.4	37	7.1	908
Pushmataha	51	34	30	-	55.7	-	**	4	6.7	115
Roger Mills	21	12	11	-	52.3	-	**	2	9.5	44
Rogers	308	341	279	-	66.8	2	9.5	29	4.8	928
Seminole	132	94	126	-	62.5	4	18.2	31	15.7	352
Sequoyah	212	191	161	-	62.4	5	**	21	6.3	564
Stephens	219	184	128	-	58.8	4	**	18	6.1	531
Texas	157	128	117	-	60.9	-	**	19	8.2	402
Tillman	34	32	40	-	67.9	1	**	5	7.2	106
Tulsa	3,656	2,963	2,666	3	60.6	39	16.5	365	6.8	9,288
Wagoner	252	280	226	-	66.8	2	8.0	29	6.0	758
Washington	216	177	167	1	61.4	1	**	22	6.7	561
Washita	45	51	40	-	66.9	-	**	3	3.4	136
Woods	36	33	27	-	62.5	-	**	4	6.7	96
Woodward	106	106	70	-	62.4	-	**	5	3.1	282

- 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, 2002

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	37,400	76.7	29,995	61.5	756	2062	619	7.0	48,780
Adair	243	71.9	173	51.2	3	9	6	5.3	338
Alfalfa	29	85.3	26	76.5	-	1	-	2.9	34
Atoka	127	78.4	81	50.0	2	4	1	4.3	162
Beaver	54	87.1	39	62.9	-	5	-	8.1	62
Beckham	185	68.0	143	52.6	5	8	4	6.3	272
Blaine	96	86.5	78	70.3	2	-	-	1.8	111
Bryan	391	79.6	260	53.0	4	16	6	5.3	491
Caddo	304	71.4	243	57.0	8	21	4	7.7	426
Canadian	978	88.8	843	76.6	9	28	6	3.9	1,101
Carter	588	87.1	513	76.0	8	10	5	3.4	675
Cherokee	407	65.8	280	45.2	14	26	5	7.3	619
Choctaw	165	75.0	95	43.2	2	8	-	4.5	220
Cimarron	29	78.4	18	48.6	1	1	-	5.4	37
Cleveland	2,173	85.4	1,908	75.0	15	95	16	5.0	2,544
Coal	68	74.7	56	61.5	-	5	-	5.5	91
Comanche	1,220	83.8	1,009	69.3	24	30	14	4.7	1,455
Cotton	55	87.3	51	81.0	-	-	1	1.6	63
Craig	117	65.7	90	50.6	4	5	3	6.7	178
Creek	562	70.7	431	54.2	18	36	11	8.2	795
Custer	298	81.0	256	69.6	3	10	8	5.7	368
Delaware	318	74.8	252	59.3	4	24	5	7.8	425
Dewey	46	75.4	35	57.4	1	5	5	18.0	61
Ellis	31	77.5	27	67.5	-	-	-	0.0	40
Garfield	620	76.4	545	67.1	2	28	12	5.2	812
Garvin	285	79.8	243	68.1	5	18	5	7.8	357
Grady	469	77.3	373	61.4	4	23	10	6.1	607
Grant	43	84.3	37	72.5	-	-	2	3.9	51
Greer	57	81.4	46	65.7	-	1	1	2.9	70
Harmon	34	87.2	30	76.9	-	-	-	0.0	39
Harper	34	75.6	31	68.9	-	1	-	2.2	45
Haskell	137	77.4	103	58.2	3	6	4	7.3	177
Hughes	137	77.0	117	65.7	3	11	4	10.1	178
Jackson	398	89.2	348	78.0	3	4	4	2.5	446
Jefferson	55	84.6	41	63.1	-	2	1	4.6	65
Johnston	96	80.0	71	59.2	1	5	-	5.0	120
Kay	470	68.4	361	52.5	8	40	9	8.3	687
Kingfisher	172	88.7	152	78.4	-	-	1	0.5	194
Kiowa	110	80.9	94	69.1	1	3	2	4.4	136
Latimer	86	73.5	64	54.7	2	4	-	5.1	117
Leflore	559	78.7	388	54.6	19	15	7	5.8	710

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, 2002

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	37,400	76.7	29,995	61.5	756	2062	619	7.0	48,780
Lincoln	235	78.6	191	63.9	4	10	9	7.7	299
Logan	320	81.8	279	71.4	1	14	2	4.3	391
Love	89	81.7	75	68.8	2	-	-	1.8	109
McClain	308	82.6	271	72.7	4	16	6	7.0	373
McCurtain	408	83.3	341	69.6	4	14	5	4.7	490
McIntosh	158	70.5	122	54.5	4	15	2	9.375	224
Major	60	88.2	55	80.9	-	1	-	1.5	68
Marshall	120	75.9	77	48.7	4	3	4	7.0	158
Mayes	409	79.3	345	66.9	1	13	6	3.9	516
Murray	124	80.0	112	72.3	-	3	1	2.6	155
Muskogee	712	73.9	605	62.8	6	32	14	5.4	964
Noble	102	74.5	87	63.5	1	8	-	6.6	137
Nowata	101	79.5	79	62.2	-	4	-	3.1	127
Okfuskee	103	75.7	77	56.6	2	8	3	9.6	136
Oklahoma	8,650	77.2	7,348	65.5	192	476	144	7.2	11,210
Okmulgee	420	76.9	334	61.2	8	28	4	7.3	546
Osage	351	77.7	276	61.1	9	16	7	7.1	452
Ottawa	278	72.0	189	49.0	10	25	3	9.8	386
Pawnee	127	77.4	101	61.6	3	7	4	8.5	164
Payne	466	69.7	393	58.7	3	49	10	9.3	669
Pittsburg	319	70.4	261	57.6	5	42	3	11.0	453
Pontotoc	371	78.1	349	73.5	1	25	3	6.1	475
Pottawatomie	747	82.7	578	64.0	14	30	7	5.6	903
Pushmataha	93	80.9	63	54.8	1	7	1	7.8	115
Roger Mills	29	67.4	24	55.8	-	6	-	14.0	43
Rogers	757	81.7	630	68.0	7	21	11	4.2	926
Seminole	248	74.3	216	64.7	5	23	4	9.6	334
Sequoyah	421	77.1	359	65.8	2	16	14	5.9	546
Stephens	433	83.3	284	54.6	7	14	8	5.6	520
Texas	261	66.8	134	34.3	24	21	10	14.1	391
Tillman	84	84.8	70	70.7	-	2	2	4.0	99
Tulsa	6,443	70.0	4,615	50.1	236	539	159	10.1	9,208
Wagoner	554	74.3	401	53.8	13	33	6	7.0	746
Washington	478	85.5	402	71.9	1	11	-	2.1	559
Washita	97	72.4	70	52.2	3	6	3	9.0	134
Woods	74	77.9	65	68.4	1	1	-	2.1	95
Woodward	204	72.9	166	59.3	-	15	2	6.1	280

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, 1998-2002

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> 1st Trimester		< 12 grades	Age < 20 2+ births	Age > 19 4+ births	
State	18,715	38,630	174,160	85,480	57,157	1,036	7,398	2,019
Adair	140	430	1,179	743	661	9	47	18
Alfalfa	10	28	177	50	29	1	13	-
Atoka	63	148	603	268	184	2	19	8
Beaver	19	48	227	82	72	2	7	1
Beckham	107	265	683	509	281	4	28	10
Blaine	46	150	515	288	209	7	29	5
Bryan	176	465	1,921	891	628	20	59	13
Caddo	133	452	1,340	939	529	19	119	24
Canadian	392	624	3,938	1,360	777	26	151	51
Carter	243	580	2,710	1,236	911	20	133	17
Cherokee	203	536	1,994	1,161	862	5	97	14
Choctaw	88	260	776	480	266	5	34	13
Cimarron	9	29	113	39	58	4	15	1
Cleveland	798	1,252	8,812	2,956	1,476	18	234	79
Coal	29	95	281	123	128	3	17	7
Comanche	769	1,565	6,658	3,147	1,537	53	329	75
Cotton	31	50	294	108	69	1	11	3
Craig	77	166	692	318	220	5	27	8
Creek	366	777	3,060	1,430	1,076	16	141	36
Custer	128	308	1,297	594	416	6	64	12
Delaware	171	410	1,455	793	590	8	69	12
Dewey	14	36	180	73	43	-	13	3
Ellis	8	27	148	53	31	1	2	1
Garfield	293	642	3,221	1,441	843	18	147	43
Garvin	133	300	1,299	573	418	5	54	15
Grady	189	477	2,066	903	661	28	99	18
Grant	15	31	199	63	37	0	11	2
Greer	34	82	240	123	83	6	10	1
Harmon	11	50	140	90	73	3	8	1
Harper	11	20	139	47	30	-	8	2
Haskell	69	200	593	239	215	6	24	9
Hughes	64	159	600	354	205	2	28	12
Jackson	179	373	1,922	712	510	14	62	12
Jefferson	29	50	288	99	100	3	13	4
Johnston	49	127	486	223	149	5	13	3
Kay	261	630	2,445	1,349	991	7	100	29
Kingfisher	66	128	795	242	242	-	20	3
Kiowa	63	136	454	281	163	3	18	13
Latimer	54	147	446	241	180	3	18	4
Leflore	226	673	2,542	1,141	995	15	151	25

Table 9. Number of births by selected health indicators: Oklahoma and each County, 1998-2002

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	18,715	38,630	174,160	85,480	57,157	1,036	7,398	2,019
Lincoln	128	359	1,341	617	415	8	43	15
Logan	153	254	1,291	568	334	9	56	18
Love	42	95	428	162	162	4	18	5
McClain	129	262	1,315	455	318	5	47	19
McCurtain	190	563	2,016	1,111	759	22	83	16
McIntosh	80	206	761	427	259	2	30	13
Major	27	32	314	71	61	-	13	5
Marshall	61	140	643	277	291	4	28	6
Mayes	216	497	2,072	873	723	14	78	18
Murray	67	164	595	259	215	5	22	6
Muskogee	359	952	3,481	2,001	1,445	25	170	36
Noble	44	85	514	184	129	2	13	1
Nowata	40	113	507	217	137	-	23	5
Okfuskee	40	162	480	310	216	5	32	6
Oklahoma	4,587	8,137	34,833	21,926	14,260	215	1,510	534
Okmulgee	204	518	1,985	1,095	681	17	105	28
Osage	170	386	1,747	782	470	9	75	12
Ottawa	152	399	1,471	839	526	23	87	17
Pawnee	64	166	733	288	242	3	35	4
Payne	253	497	2,849	1,073	560	7	83	22
Pittsburg	181	493	1,769	870	624	13	74	26
Pontotoc	180	405	1,863	800	504	14	45	20
Pottawatomie	336	816	3,354	1,698	1,064	30	139	37
Pushmataha	39	142	490	244	213	3	20	9
Roger Mills	19	35	106	62	30	-	2	1
Rogers	269	599	3,664	1,064	760	15	130	28
Seminole	153	414	1,241	913	539	14	90	20
Sequoyah	178	459	1,778	820	714	14	94	22
Stephens	163	420	1,931	735	587	15	70	17
Texas	139	329	1,054	607	761	11	75	12
Tillman	34	134	448	224	183	3	23	7
Tulsa	3,623	6,149	33,516	15,614	10,342	148	1,381	359
Wagoner	280	502	2,689	944	656	10	106	31
Washington	176	427	2,334	862	549	9	97	15
Washita	39	118	394	179	134	-	21	4
Woods	42	53	359	122	54	1	18	6
Woodward	92	222	866	425	292	4	20	7
Unknown	-	-	-	-	-	-	-	5

- Denotes no events in that category.

Table 10. Percent of births by selected health indicators: Oklahoma and each County, 1998-2002

(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	7.6	15.6	78.2	34.6	23.3	16.9	6.8	8.1
Adair	8.0	24.3	69.6	42.1	37.9	15.0	6.8	10.2
Alfalfa	4.7	13.1	89.4	23.4	13.6	**	9.6	++
Atoka	7.9	18.6	77.7	33.7	23.1	8.7	4.8	10.0
Beaver	6.1	15.4	79.9	26.4	23.4	**	4.3	++
Beckham	7.8	19.2	71.3	37.1	20.7	9.3	3.9	7.2
Blaine	6.6	21.5	80.7	41.1	30.2	21.9	8.8	7.1
Bryan	7.1	18.9	81.0	36.1	25.5	20.2	4.7	5.3
Caddo	6.4	21.7	71.5	45.1	25.5	18.1	11.1	11.5
Canadian	7.2	11.4	88.7	24.9	14.3	28.0	6.0	9.3
Carter	7.4	17.6	85.5	37.5	27.8	16.7	7.4	5.2
Cherokee	6.8	17.7	69.8	38.3	28.8	6.8	8.2	4.6
Choctaw	8.1	23.9	74.5	44.3	24.5	9.3	6.1	12.0
Cimarron	5.4	17.4	72.0	23.5	35.4	**	14.7	++
Cleveland	6.5	10.2	86.8	24.0	12.2	13.8	5.4	6.4
Coal	7.2	23.5	72.6	30.4	31.6	**	10.3	17.3
Comanche	7.9	16.1	84.4	32.5	15.9	16.9	6.6	7.7
Cotton	8.3	13.3	86.0	28.8	18.4	**	5.0	++
Craig	8.1	17.5	75.8	33.5	23.2	17.9	5.5	8.4
Creek	8.3	17.6	72.5	32.3	24.4	14.0	6.9	8.1
Custer	7.2	17.4	79.6	33.6	23.7	9.4	7.2	6.8
Delaware	7.9	19.0	70.8	36.7	27.6	12.3	6.2	5.6
Dewey	5.5	14.3	77.3	28.9	17.1	**	9.8	++
Ellis	3.9	13.2	72.9	25.7	15.0	**	1.8	++
Garfield	7.1	15.6	83.0	34.9	20.8	14.4	6.5	10.4
Garvin	7.3	16.4	81.3	31.3	23.0	11.4	6.8	8.2
Grady	6.4	16.2	78.4	30.7	22.6	30.1	7.4	6.1
Grant	5.9	12.2	81.2	24.7	14.6	**	7.6	++
Greer	10.5	25.3	81.4	38.1	25.8	**	6.3	++
Harmon	5.7	25.9	80.9	46.4	38.2	**	8.3	++
Harper	5.5	10.1	72.0	23.6	15.2	**	7.8	++
Haskell	8.8	25.5	77.1	30.5	27.6	13.0	6.1	11.5
Hughes	7.5	18.6	74.5	41.3	23.9	7.1	7.1	14.0
Jackson	7.6	15.7	89.1	30.2	21.7	16.3	5.0	5.1
Jefferson	7.9	13.6	80.9	26.8	27.2	**	6.1	++
Johnston	8.0	20.7	82.2	36.2	24.5	20.8	4.2	++
Kay	7.5	18.0	71.8	38.5	28.4	14.3	10.6	8.3
Kingfisher	6.9	13.4	92.4	25.4	25.7	**	4.9	++
Kiowa	9.6	20.7	74.7	42.8	24.9	10.3	5.6	++
Latimer	8.6	23.1	74.0	38.1	28.8	9.7	5.4	++
Leflore	6.6	19.6	77.2	33.3	29.1	11.5	8.1	7.3

++ 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, 1998-2002

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

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>Mortality</i> 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	
State	7.6	15.6	78.2	34.6	23.3	16.9	6.8	8.1
Lincoln	6.5	18.3	81.9	31.5	21.3	17.8	5.8	7.6
Logan	8.1	13.4	86.4	30.1	17.8	32.1	7.8	9.5
Love	7.8	17.7	82.0	30.2	30.3	17.4	5.6	9.3
McClain	6.9	14.1	85.9	24.5	17.5	18.5	6.6	10.2
McCurtain	7.4	22.0	82.9	43.4	29.8	18.8	5.9	6.2
McIntosh	7.4	19.1	71.8	39.4	24.0	7.4	5.6	12.0
Major	7.3	8.5	89.7	18.9	16.6	**	5.8	13.3
Marshall	7.2	16.5	78.3	32.6	34.6	16.7	6.3	7.0
Mayes	8.1	18.6	78.9	32.8	27.2	17.5	6.3	6.7
Murray	8.4	20.4	79.8	32.3	27.0	15.2	6.1	7.5
Muskogee	7.1	18.8	69.6	39.5	28.6	13.0	6.5	7.1
Noble	6.3	12.3	76.9	26.5	18.8	**	4.7	++
Nowata	6.3	17.8	84.1	34.0	21.5	0.0	6.6	7.8
Okfuskee	5.6	22.8	70.5	43.6	30.4	14.7	8.3	8.4
Oklahoma	8.4	14.8	79.8	40.0	26.4	21.3	7.9	9.7
Okmulgee	7.6	19.4	75.2	41.0	25.6	15.0	7.2	10.5
Osage	7.4	16.8	79.2	34.0	20.5	15.5	6.6	5.2
Ottawa	6.9	18.0	71.7	37.9	24.4	25.8	6.7	7.7
Pawnee	6.3	16.4	78.4	28.4	24.0	**	8.7	++
Payne	6.2	12.1	75.7	26.1	13.8	14.3	6.2	5.3
Pittsburg	7.4	20.1	73.9	35.4	25.4	13.3	5.6	10.6
Pontotoc	7.4	16.7	80.1	33.0	20.8	22.6	5.7	8.2
Pottawatomie	7.5	18.1	82.6	37.7	23.8	19.6	6.5	8.2
Pushmataha	5.9	21.5	76.8	37.1	32.3	10.3	5.7	13.6
Roger Mills	9.8	17.9	66.7	31.8	15.6	**	1.9	++
Rogers	6.0	13.3	82.9	23.7	17.0	21.4	6.2	6.2
Seminole	8.4	22.7	75.8	49.9	29.7	14.9	10.5	10.9
Sequoyah	7.1	18.3	72.9	32.8	28.6	16.5	7.3	8.8
Stephens	6.3	16.2	78.5	28.4	22.7	16.7	5.0	6.6
Texas	7.4	17.4	64.8	32.1	40.8	16.4	6.9	6.3
Tillman	5.9	23.2	84.7	38.8	32.2	10.3	7.3	12.1
Tulsa	7.8	13.3	74.1	33.8	22.5	16.2	6.7	7.8
Wagoner	7.8	13.9	76.4	26.2	18.3	12.3	5.4	8.6
Washington	6.2	15.0	86.9	30.2	19.2	12.0	6.0	5.3
Washita	6.0	18.1	75.2	27.6	20.6	**	6.1	++
Woods	9.2	11.6	82.9	26.7	11.9	**	7.8	13.1
Woodward	7.2	17.5	70.7	33.5	23.0	10.3	4.0	5.5

++ 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, 1998-2002

(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	
Adair	61	74	74	70	75	29	49	43
Alfalfa	2	9	3	2	3	**	71	++
Atoka	57	50	41	45	33	5	9	42
Beaver	13	22	31	14	35	**	6	++
Beckham	53	57	69	54	22	6	3	21
Blaine	24	64	29	68	67	53	70	19
Bryan	30	54	26	51	47	49	7	5
Caddo	20	66	68	75	47	45	76	49
Canadian	34	4	5	9	5	56	27	38
Carter	41	38	11	56	58	37	58	3
Cherokee	26	40	73	61	62	2	66	1
Choctaw	63	73	54	74	43	6	29	51
Cimarron	3	33	63	3	74	**	77	++
Cleveland	22	3	7	6	2	22	14	14
Coal	34	72	61	27	70	**	73	58
Comanche	57	25	13	36	10	40	43	25
Cotton	67	11	9	21	17	**	11	++
Craig	63	36	48	42	34	44	17	34
Creek	67	38	62	34	41	23	51	29
Custer	34	33	34	44	36	8	54	17
Delaware	57	55	70	53	56	17	34	9
Dewey	4	19	42	22	13	**	72	++
Ellis	1	10	59	11	7	**	1	++
Garfield	30	23	15	49	23	26	40	45
Garvin	39	28	24	30	31	14	49	30
Grady	20	26	38	29	29	57	58	10
Grant	8	7	25	8	6	**	60	++
Greer	77	75	23	59	51	**	37	++
Harmon	7	77	27	76	76	**	67	++
Harper	4	2	63	4	8	**	61	++
Haskell	73	76	44	28	56	19	29	49
Hughes	48	50	54	69	38	3	53	57
Jackson	51	24	4	24	27	34	11	2
Jefferson	57	16	27	17	54	**	29	++
Johnston	61	62	20	52	43	50	5	++
Kay	48	44	65	62	59	24	75	33
Kingfisher	27	14	1	10	50	**	10	++
Kiowa	75	62	53	71	45	10	18	++
Latimer	72	70	57	59	62	9	14	++
Leflore	24	59	43	41	64	15	65	22

++ 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, 1998-2002

(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	
Lincoln	22	48	22	31	25	43	24	24
Logan	63	14	8	23	15	58	61	40
Love	53	40	21	24	68	41.0	18	38
McClain	27	18	10	7	14	46.0	43	43
McCurtain	41	67	16	72	66	47	26	11
McIntosh	41	56	65	64	39	4	18	51
Major	39	1	2	1	11	**	24	55
Marshall	34	30	40	37	73	37	37	18
Mayer	63	50	36	38	54	42	37	16
Murray	69	61	32	34	53	31	29	23
Muskogee	30	53	74	65	60	19	40	19
Noble	16	8	45	15	18	**	7	++
Nowata	16	42	14	47	26	1.0	43	27
Okfuskee	6	69	72	73	69	27	67	34
Oklahoma	69	20	32	66	52	51	64	41
Okmulgee	51	58	51	67	49	29	54	46
Osage	41	32	35	47	20	32	43	3
Ottawa	27	44	67	58	41	55	47	25
Pawnee	16	28	38	19	39	**	69	++
Payne	14	6	50	12	4	24	34	5
Pittsburg	41	60	58	50	46	21	18	47
Pontotoc	41	31	30	40	23	54	22	30
Pottawatomie	48	46	19	57	37	48	40	30
Pushmataha	8	64	46	54	72	10	22	56
Roger Mills	76	43	76	32	9	**	2	++
Rogers	11	11	16	5	12	52	34	11
Seminole	69	68	49	77	65	28	74	48
Sequoyah	30	48	59	38	60	36	56	37
Stephens	16	26	37	19	30	37	11	15
Texas	41	33	77	33	77	35	51	13
Tillman	8	71	12	63	71	10	56	53
Tulsa	53	11	56	46	28	33	47	27
Wagoner	53	17	47	13	16	17	14	36
Washington	14	21	6	24	19	16	27	5
Washita	11	46	51	18	21	**	29	++
Woods	74	5	16	16	1	**	61	53
Woodward	34	36	71	42	31	10	4	8

++ 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, 2002

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		
State	109	2,173	4,966	16,498	12,868	8,222	3,217	704	1,553	50,310
Ada	1	17	25	99	59	26	16	4	-	247
Altus	-	22	33	136	86	54	29	6	-	366
Alva	-	1	3	36	16	11	3	1	-	71
Anadarko	2	8	21	35	28	11	11	1	-	117
Antlers	-	4	3	17	6	5	3	-	-	38
Ardmore	3	22	61	155	110	58	18	4	-	431
Atoka	1	2	14	21	13	5	1	-	-	57
Bartlesville	1	26	36	127	114	71	27	8	-	410
Bethany	-	8	19	86	81	38	20	5	-	257
Bixby	-	5	14	49	78	71	29	2	-	248
Blackwell	-	5	9	37	31	14	-	2	-	98
Bristow	-	2	10	27	27	7	1	-	-	74
Broken Arrow	1	25	73	254	385	377	127	27	-	1,269
Broken Bow	-	7	9	29	14	7	3	-	-	69
Catoosa	-	1	8	28	14	10	1	2	-	64
Chandler	-	4	7	16	9	5	2	1	-	44
Checotah	-	4	9	22	9	5	-	-	-	49
Chickasha	-	12	27	100	53	29	17	2	-	240
Choctaw	1	7	8	43	41	33	13	-	-	146
Claremore	-	9	28	135	86	56	22	5	-	341
Cleveland	-	1	6	24	16	8	1	-	-	56
Clinton	-	16	17	47	37	20	9	1	1	148
Collinsville	-	3	12	31	44	25	8	2	-	125
Cordell	-	2	4	21	5	4	1	-	-	37
Coweta	-	2	14	46	42	28	8	2	-	142
Cushing	2	7	16	43	28	16	7	1	-	120
Davis	-	1	4	12	6	2	3	-	-	28
Del City	-	12	32	136	75	48	11	2	-	316
Dewey	-	2	5	14	10	4	2	-	-	37
Drumright	-	1	4	25	12	3	1	-	-	46
Duncan	-	11	32	139	83	42	10	2	-	319
Durant	1	15	26	90	37	18	10	3	-	200
Edmond	-	16	29	213	396	419	176	34	-	1,283
El Reno	1	6	31	89	47	30	12	-	-	216
Elk City	-	8	30	76	38	17	7	-	-	176
Enid	-	29	89	257	198	107	40	8	-	728
Eufaula	-	4	2	8	12	4	2	-	-	32
Fairview	-	1	4	5	9	8	-	-	-	27
Fort Gibson	-	1	8	15	18	4	2	-	-	48
Frederick	-	6	11	23	15	12	2	-	-	69

- Denotes no events in that category.

Table 12. Number of births by age of mother: Oklahoma and selected cities, 2002

<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>		
Glenpool	-	6	10	46	41	36	5	2	-	146
Grove	-	2	11	23	20	7	4	-	-	67
Guthrie	-	6	23	54	41	24	3	3	-	154
Guymon	-	20	30	97	48	28	12	1	1	237
Harrah	-	5	3	23	26	11	5	1	-	74
Healdton	-	2	3	19	12	5	3	-	-	44
Heavener	1	4	4	38	13	5	3	1	-	69
Henryetta	-	6	20	37	13	11	-	-	-	87
Hobart	1	4	5	23	13	3	1	-	-	50
Holdenville	-	7	9	28	13	8	2	1	-	68
Hollis	1	4	7	12	5	1	-	1	-	31
Hugo	-	17	15	36	16	5	3	4	-	96
Idabel	1	4	14	41	18	12	5	-	-	95
Jenks	-	-	6	26	55	60	22	4	-	173
Kingfisher	-	3	10	27	17	12	3	3	-	75
Lawton	3	71	209	620	363	168	74	14	-	1,522
Lindsay	-	-	3	19	11	3	4	1	-	41
Lone Grove	-	-	10	21	13	8	3	-	-	55
Madill	-	4	5	18	15	9	4	1	-	56
Mangum	-	2	10	16	17	4	1	-	-	50
Marlow	1	-	4	17	21	3	2	-	-	48
McAlester	3	17	31	85	53	24	5	2	-	220
McCloud	-	-	-	-	-	-	-	-	-	-
Miami	-	17	22	63	34	17	4	-	-	157
Midwest City	1	33	74	299	225	102	45	6	-	785
Moore	1	19	61	216	210	100	38	6	-	651
Muldrow	-	-	4	2	1	1	-	-	-	8
Muskogee	5	21	80	251	165	77	21	9	-	629
Mustang	-	2	14	51	60	52	12	6	-	197
Newcastle	-	2	2	5	15	9	5	-	-	38
Nichols Hills	-	-	-	-	4	2	-	-	-	6
Noble	-	5	11	25	28	13	4	-	-	86
Norman	2	24	82	319	354	295	122	32	-	1,230
Nowata	-	5	9	31	10	6	5	1	-	67
Okema	-	5	7	13	8	4	3	-	-	40
Oklahoma City	23	394	856	2,759	2,219	1,387	578	120	-	8,336
Okmulgee	2	16	23	100	57	21	6	5	-	230
Owasso	3	11	20	76	94	79	36	7	-	326
Pauls Valley	-	5	9	45	18	10	4	-	-	91
Pawhuska	-	2	9	21	15	5	2	-	-	54

- Denotes no events in that category.

Table 12. Number of births by age of mother: Oklahoma and selected cities, 2002

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		
Perry	1	-	5	32	23	9	6	1	-	77
Piedmont	-	-	2	8	17	19	14	-	-	60
Pocola	-	1	7	6	2	4	-	-	-	20
Ponca City	-	30	44	160	105	54	21	3	-	417
Poteau	-	6	20	41	26	8	4	1	-	106
Pryor Creek	-	3	13	68	37	19	3	2	-	145
Purcell	-	3	15	35	20	15	-	1	-	89
Sallisaw	-	5	11	21	15	9	4	-	-	65
Sand Springs	-	10	23	100	100	49	15	1	-	298
Sapulpa	1	10	34	99	87	47	17	2	-	297
Sayre	-	3	6	19	6	5	-	-	-	39
Seminole	-	7	19	40	30	16	5	-	-	117
Shawnee	-	26	66	198	115	71	27	5	-	508
Skiatook	-	7	15	32	35	10	4	3	-	106
Spencer	-	5	12	27	18	9	3	1	-	75
Stigler	1	1	12	16	3	5	2	-	-	40
Stillwater	1	11	30	145	137	78	29	11	-	442
Stilwell	1	7	5	28	9	9	2	1	-	62
Stroud	-	4	4	14	9	4	2	-	-	37
Sulphur	-	4	16	27	20	11	5	1	-	84
Tahlequah	1	15	29	103	77	44	19	-	-	288
Tecumseh	1	3	4	29	31	11	4	2	-	85
The Village	-	-	2	4	4	4	-	1	-	15
Tishomingo	-	2	11	17	10	2	4	1	-	47
Tonkawa	-	4	4	17	8	3	2	-	-	38
Tulsa	16	319	573	2,147	1,651	1,183	510	110	-	6,509
Tuttle	-	3	5	21	25	18	3	2	-	77
Vinita	-	3	11	36	15	14	3	-	-	82
Wagoner	1	10	19	54	30	8	5	-	-	127
Walters	-	1	5	13	8	4	2	-	-	33
Warr Acres	-	2	5	17	20	7	5	-	-	56
Watonga	-	2	4	15	13	4	1	1	-	40
Weatherford	-	2	10	52	41	17	8	2	-	132
Wewoka	-	8	16	22	7	5	5	-	-	63
Wilburton	-	2	3	24	9	3	-	-	-	41
Woodward	-	3	42	80	60	28	8	2	-	223
Yukon	1	18	40	111	155	131	30	7	-	493
Unknown	22	553	1,306	4,252	3,141	1,946	741	187	1,551	13,699

Table 13. Number of births by race and Hispanic origin of mother: Oklahoma and selected cities, 2002

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

<i>Resident city</i>	<i>Race of mother</i>						<i>Total</i>	<i>2002 Population Estimate</i>
	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Hispanic¹</i>		
State	39,245	4,693	5,156	1,114	102	5,194	50,310	2,652,360
Ada	162	8	74	3	-	15	247	15,850
Altus	307	36	13	10	-	95	366	20,570
Alva	68	-	1	2	-	5	71	5,080
Anadarko	42	3	68	4	-	20	117	6,560
Antlers	33	-	5	-	-	1	38	2,530
Ardmore	328	52	45	6	-	33	431	23,940
Atoka	38	9	10	-	-	1	57	2,960
Bartlesville	344	13	47	6	-	28	410	34,770
Bethany	225	18	7	7	-	29	257	20,240
Bixby	228	2	15	3	-	20	248	15,570
Blackwell	91	.	6	-	1	8	98	7,520
Bristow	64	5	5	-	-	1	74	4,330
Broken Arrow	1,105	59	62	41	2	69	1,269	83,090
Broken Bow	39	8	22	-	-	6	69	4,160
Catoosa	59	-	5	-	-	2	64	5,800
Chandler	39	2	3	-	-	1	44	2,820
Checotah	38	1	9	1	-	-	49	3,480
Chickasha	205	14	16	2	3	20	240	16,060
Choctaw	140	3	3	-	-	6	146	10,030
Claremore	278	2	58	2	1	16	341	16,580
Cleveland	47	1	8	-	-	1	56	3,270
Clinton	126	7	15	-	-	44	148	8,420
Collinsville	108	1	14	2	-	5	125	4,290
Cordell	35	-	2	-	-	3	37	2,880
Coweta	123	3	15	1	-	6	142	7,350
Cushing	104	2	14	-	-	4	120	8,390
Davis	23	2	3	-	-	-	28	2,600
Del City	224	73	14	3	2	22	316	22,180
Dewey	28	1	8	-	-	1	37	3,170
Drumright	43	-	3	-	-	1	46	2,900
Duncan	299	9	9	2	-	37	319	22,130
Durant	156	3	39	2	-	16	200	13,830
Edmond	1,102	97	19	64	1	45	1,283	70,540
El Reno	160	17	38	1	-	18	216	16,150
Elk City	164	5	7	-	-	15	176	10,490
Enid	645	20	28	34	1	88	728	46,530
Eufaula	20	4	7	1	-	1	32	2,740
Fairview	25	-	2	-	-	-	27	2,700
Fort Gibson	32	1	15	-	-	2	48	4,110
Frederick	61	5	2	1	-	30	69	4,460

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, 2002

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

Resident city	Race of mother						Total	2002 Population Estimate
	White	Black	Am. Indian	Other	Unk	Hispanic ¹		
Glenpool	121	3	21	1	-	11	146	8,210
Grove	50	-	17	-	-	2	67	5,400
Guthrie	133	13	7	1	-	6	154	9,990
Guymon	228	1	1	6	1	139	237	10,670
Harrah	68	-	4	2	-	1	74	4,870
Healdton	40	-	4	-	-	1	44	2,780
Heavener	63	-	6	-	-	49	69	3,200
Henryetta	72	-	15	-	-	-	87	6,060
Hobart	44	5	1	-	-	6	50	3,870
Holdenville	48	1	19	-	-	5	68	5,630
Hollis	26	5	-	-	-	13	31	2,130
Hugo	58	20	18	-	-	3	96	5,470
Idabel	53	23	19	-	-	8	95	6,980
Jenks	161	2	10	-	-	14	173	10,960
Kingfisher	69	-	5	1	-	12	75	4,350
Lawton	960	412	100	49	1	185	1,522	91,330
Lindsay	39	-	2	-	-	2	41	2,880
Lone Grove	47	-	7	1	-	2	55	4,780
Madill	51	1	3	-	1	24	56	3,500
Mangum	49	1	-	-	-	6	50	2,760
Marlow	45	-	3	-	-	1	48	4,520
McAlester	168	10	39	3	-	9	220	17,650
McCloud								3,590
Miami	112	4	39	2	-	5	157	13,560
Midwest City	547	188	31	19	-	41	785	54,500
Moore	576	29	29	14	3	37	651	43,740
Muldrow	8	-	-	-	-	-	8	3,140
Muskogee	376	118	131	4	-	48	629	38,600
Mustang	190	1	4	1	1	4	197	13,990
Newcastle	35	-	1	2	-	1	38	5,690
Nichols Hills	6	-	-	-	-	1	6	4,040
Noble	80	-	6	-	-	1	86	5,340
Norman	1,020	71	71	66	2	91	1,230	97,830
Nowata	40	5	22	-	-	-	67	4,010
Okemah	27	-	13	-	-	-	40	2,990
Oklahoma City	5,918	1,565	387	404	62	1,850	8,336	519,030
Okmulgee	143	48	37	2	-	3	230	12,870
Owasso	300	5	10	11	-	24	326	20,560
Pauls Valley	70	5	13	3	-	11	91	6,180
Pawhuska	33	2	19	-	-	-	54	3,610

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, 2002

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

<i>Resident city</i>	<i>Race of mother</i>						<i>Total</i>	<i>2002 Population Estimate</i>
	<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Hispanic¹</i>		
Perry	75	-	2	-	-	3	77	5,170
Piedmont	59	-	1	-	-	3	60	3,940
Pocola	20	-	-	-	-	1	20	4,150
Ponca City	332	18	59	7	1	28	417	25,800
Poteau	79	1	26	-	-	20	106	7,930
Pryor Creek	107	-	38	-	-	4	145	9,120
Purcell	81	-	8	-	-	17	89	5,570
Sallisaw	33	2	28	2	-	5	65	8,310
Sand Springs	275	1	21	1	-	9	298	17,640
Sapulpa	253	15	27	2	-	5	297	19,800
Sayre	38	1	-	-	-	3	39	4,220
Seminole	69	6	41	1	-	5	117	6,840
Shawnee	383	15	103	7	-	17	508	29,310
Skiatook	82	-	23	1	-	4	106	5,660
Spencer	19	54	2	-	-	1	75	3,750
Stigler	31	-	9	-	-	1	40	2,700
Stillwater	385	19	13	25	-	17	442	40,590
Stilwell	21	-	40	1	-	10	62	3,310
Stroud	35	-	2	-	-	1	37	2,750
Sulphur	68	-	15	1	-	3	84	4,780
Tahlequah	166	6	113	3	-	33	288	15,010
Tecumseh	69	2	13	1	-	-	85	6,210
The Village	13	-	1	1	-	-	15	10,120
Tishomingo	34	2	10	1	-	-	47	3,150
Tonkawa	33	-	4	1	-	2	38	3,200
Tulsa	4,735	1,192	390	185	7	1,068	6,509	391,910
Tuttle	73	-	4	-	-	2	77	4,620
Vinita	53	3	23	3	-	1	82	5,890
Wagoner	87	19	21	-	-	3	127	7,810
Walters	29	-	4	-	-	1	33	2,570
Warr Acres	40	12	1	3	-	3	56	9,690
Watonga	35	1	4	-	-	1	40	4,820
Weatherford	118	3	11	-	-	8	132	9,650
Wewoka	34	6	23	-	-	2	63	3,470
Wilburton	34	-	7	-	-	1	41	2,920
Woodward	210	1	11	1	-	18	223	11,800
Yukon	462	1	13	16	1	14	493	21,120
Unknown	11,143	289	2,195	61	11	549	13,699	-

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, 2002

<i>Risk Factors</i>	<i>Count</i>	<i>Delivery Method</i>	<i>Count</i>
Anemia (HCT < 30/HGB < 10)	856	Vaginal	35,106
Cardiac Disease	201	Vaginal after C-Section	571
Lung Disease	279	Primary C-Section	8,022
Diabetes	1,707	Repeat C-Section	6,123
Genital Herpes	292	Forceps	1,143
Hydramnios/Oligohydramios	458	Vacuum	1,952
Hemoglobinopathy	11	Blank/Unknown	488
Hypertension, Chronic	526	<i>Type/Method Count</i>	52,917
Hypertension, Preg. Assoc.	2,075	<i>Deliveries Reported</i>	49,822
Eclampsia	322		
Incompetent Cervix	142		
Previous Infant > 4000 gms.	383		
Previous Preterm Infant	626		
Renal Disease	62		
RH Sensitization	462		
Uterine Bleeding	205		
Other	8,789		
Blank/Unknown	35,930		
<i>Risk Count</i>	17,396		
<i>Patient Count</i>	14,380		
<i>Complications</i>	<i>Count</i>	<i>Abnormal Conditions</i>	<i>Count</i>
Febrile (> 100 F)	362	Anemia (HCT < 39/HGB < 13)	33
Meconium, Moderate/Heavy	1,657	Birth Injury	52
Pre. Ruptured Membrane	730	Fetal Alcohol Syndrome	1
Abruptio Placenta	349	Fetal Membrane Disease/Rds.	721
Placenta Previa	156	Meconium Aspiration Syndrome	70
Other Excessive Bleeding	186	Assisted Ventilation (< 30 min.)	477
Seizures During Labor	37	Assisted Ventilation (> 30 min.)	682
Precipitous Labor < 3 hrs	682	Seizures	24
Prolonged Labor > 20 hrs	245	Other	2,514
Dysfunctional Labor	699	Blank/Unknown	46,872
Breech/Malpresentation	1,659	<i>Abnormal Count</i>	4,574
Cephalopelvic Disproportion	954	<i>Patient Count</i>	3,438
Cord Prolapse	136		
Anesthetic Complication	28		
Fetal Distress	1,582		
Other	6,531		
Blank/Unknown	36,886		
<i>Complication Count</i>	15,993		
<i>Patient Count</i>	13,424		
<i>OB Procedures</i>	<i>Count</i>	<i>Congenital Anomalies</i>	<i>Count</i>
Amniocentesis	347	Anencephalus	2
Electronic Fetal Monitor	44,227	Spina Bifida/Meningocele	8
Induction of Labor	12,111	Hydrocephalus	12
Stimulation of Labor	5,861	Microcephalus	0
Tocolysis	1,368	Other Central Nervous System Anomalies	268
Ultrasound	31,439	Heart Malformation	30
Other	1,733	Other Circulatory/Respiratory	264
Blank/Unknown	2,266	Rectal Atresia/Stenosis	4
<i>Procedure Count</i>	97,086	Traceo-Esophageal Atresia	4
<i>Patient Count</i>	48,044	Omphalocele/Gastroschisis	25
		Other Gastrointestinal Anomalies	278
		Malformed Genitalia	19
		Renal Agenesis	6
		Other Urogenital Anomalies	289
		Cleft Lip/Palate	48
		Polydactyly/Syndactyly/Adactyly	13
		Club Foot	27
		Diaphragmatic Hernia	8
		Other Musculoskeletal/Integumental Anomalies	305
		Down's Syndrome	19
		Other Chromosomal Anomalies	30
		Other	279
		Blank/Unknown	49,490
		<i>Anomaly Count</i>	1,938
		<i>Patient Count</i>	820
		Total Births	50,310

Table 15. Number and percent of births by age of mother and selected characteristics: Oklahoma, 2002

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+ years	
Total	50,310	113	7,302	17,038	13,324	8,487	3,301	707	30	8
<i>Race/ethnicity of mother</i>										
White	39,245	66	5,250	12,873	10,715	7,021	2,715	574	24	7
Black	4,693	24	924	1,858	1,050	548	237	48	3	1
Am. Indian	5,156	22	1,047	2,051	1,178	589	214	52	3	-
Other	1,114	1	58	220	359	318	128	30	-	-
Unknown	102	-	23	36	22	11	7	3	-	-
Hispanic ¹	5,251	16	919	1,860	1,375	718	297	61	2	3
<i>Marital status</i>										
Married	31,967	5	1,952	9,339	10,177	7,103	2,789	572	26	4
Not married	18,334	108	5,349	7,698	3,146	1,382	511	132	4	4
Unknown	9	-	1	1	1	2	1	3	-	-
Percent Not Married	36.4	95.6	73.3	45.2	23.6	16.3	15.5	18.8	13.3	50.0
<i>Education of mother</i>										
0-8 years	2,328	88	591	734	486	266	124	34	2	3
9-11 years	9,627	22	3,637	3,700	1,429	550	231	54	3	1
12 years	18,389	2	2,699	8,006	4,380	2,204	878	212	4	4
13-15 years	10,385	-	349	3,647	3,488	2,012	732	150	7	-
16+ years	9,455	-	8	899	3,517	3,432	1,332	253	14	-
Unknown	126	1	18	52	24	23	4	4	-	-
Percent less than 12 years education	23.8	98.2	58.0	26.1	14.4	9.6	10.8	12.5	16.7	50.0
<i>Birthweight</i>										
< 1500 grams	649	4	112	215	144	103	61	10	-	-
1500-2499 grams	3,372	7	553	1,197	785	506	265	50	9	-
2500-3999 grams	42,007	97	6,220	14,359	11,154	6,972	2,609	573	16	7
4000 and over	4,268	5	413	1,263	1,239	902	366	74	5	1
Unknown	14	-	4	4	2	4	-	-	-	-
Percent < 1500 grams	1.3	3.5	1.5	1.3	1.1	1.2	1.8	1.4	0.0	0.0
Percent < 2500 grams	8.0	9.7	9.1	8.3	7.0	7.2	9.9	8.5	30.0	0.0
<i>Plurality</i>										
Single birth	48,867	113	7,172	16,587	12,913	8,203	3,154	691	26	8
Multiple birth	1,442	-	130	451	411	284	147	15	4	-
<i>Live-birth order</i>										
1st birth	19,592	110	5,711	7,340	3,945	1,786	594	100	4	2
2nd birth	16,099	2	1,329	5,997	4,671	2,945	973	170	10	2
3rd birth	9,058	1	230	2,685	2,973	2,176	811	173	8	1
4th birth	3,519	-	28	786	1,143	957	486	114	2	3
5th or more	2,011	-	1	219	588	614	433	150	6	-
Unknown	31	-	3	11	4	9	4	-	-	-
<i>Trimester prenatal care began</i>										
1st trimester	37,400	53	4,615	12,007	10,510	6,995	2,647	549	21	3
2nd trimester	8,699	38	1,887	3,401	1,848	980	431	107	4	3
3rd trimester	2,062	10	438	796	445	246	97	28	2	-
No care	619	5	104	248	132	74	42	13	1	-
Unknown	1,530	7	258	586	389	192	84	10	2	2
Percent 1st Trimester Care	76.7	50.0	65.5	73.0	81.3	84.3	82.3	78.8	75.0	50.0

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, 2002

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+ years	
Total	50,310	113	7,302	17,038	13,324	8,487	3,301	707	30	8
<i>Number of prenatal care visits</i>										
No visits	619	5	104	248	132	74	42	13	1	-
1-4 visits	2,553	15	558	1,014	512	296	127	27	2	2
5-9 visits	12,708	54	2,417	4,690	2,881	1,737	733	185	7	4
10-12 visits	19,718	30	2,562	6,350	5,525	3,587	1,393	260	10	1
13+ visits	14,365	8	1,599	4,612	4,196	2,742	979	219	10	-
Unknown	347	1	62	124	78	51	27	3	-	1
Percent with 10 or more visits	68.2	33.9	57.5	64.8	73.4	75.0	72.4	68.0	66.7	14.3
<i>Adequacy of prenatal care</i>										
1st trimester and 10 or more visits	29,995	26	3,395	9,429	8,710	5,805	2,177	436	16	1
Intermediate care	15,348	60	2917	5695	3513	2074	863	212	9	5
Little care	756	5	190	284	135	96	38	8	-	-
Late care	2,062	10	438	796	445	246	97	28	2	-
No care	619	5	104	248	132	74	42	13	1	-
Unknown	1,530	7	258	586	389	192	84	10	2	2
Percent 1st trimester and 10 or more visits	61.5	24.5	48.2	57.3	67.3	70.0	67.7	62.6	57.1	16.7
Percent late, little, or no care	7.0	18.9	10.4	8.1	5.5	5.0	5.5	7.0	10.7	0.0
<i>Tobacco use during pregnancy</i>										
No	41,112	99	5,648	13,087	11,382	7,446	2,834	582	27	7
Yes	9,099	14	1,637	3,914	1,920	1,026	461	123	3	1
Unknown	99	-	17	37	22	15	6	2	-	-
Percent with tobacco use	18.1	12.4	22.5	23.0	14.4	12.1	14.0	17.4	10.0	12.5
<i>Alcohol use during pregnancy</i>										
No	49,700	113	7,238	16,833	13,170	8,382	3,239	688	29	8
Yes	488	-	46	155	126	87	57	16	1	-
Unknown	122	-	18	50	28	18	5	3	-	-
Percent with alcohol use	1.0	0.0	0.6	0.9	0.9	1.0	1.7	2.3	3.3	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, 2002

<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	50,310	39,245	4,693	5,156	1,114	102	5,251
<i>Age of mother</i>							
10-14 years	113	66	24	22	1	-	16
15-19 years	7,302	5,250	924	1,047	58	23	919
20-24 years	17,038	12,873	1,858	2,051	220	36	1,860
25-29 years	13,324	10,715	1,050	1,178	359	22	1,375
30-34 years	8,487	7,021	548	589	318	11	718
35-39 years	3,301	2,715	237	214	128	7	297
40-44 years	707	574	48	52	30	3	61
45 and over	30	24	3	3	-	-	2
Unknown	8	7	1	-	-	-	3
<i>Marital Status</i>							
Married	31,967	27,113	1,394	2,499	903	58	3,023
Not married	18,334	12,126	3,299	2,655	211	43	2,227
Unknown	9	6	-	2	-	1	1
Percent not married	36.4	30.9	70.3	51.5	18.9	42.6	42.4
<i>Education of mother</i>							
0-8 years	2,328	1,991	67	183	79	8	1,353
9-11 years	9,627	7,092	1,001	1,393	115	26	1,705
12 years	18,389	13,878	2,073	2,096	306	36	1,387
13-15 years	10,385	8,110	1,067	1,003	196	9	519
16+ years	9,455	8,098	470	464	415	8	247
Unknown	126	76	15	17	3	15	40
Percent less than 12 years education	23.8	23.2	22.8	30.7	17.5	39.1	58.7
<i>Birthweight</i>							
< 1500 grams	649	460	117	62	9	1	45
1500-2499 grams	3,372	2,465	541	276	81	9	322
2500-3999 grams	42,007	32,860	3,832	4,254	974	87	4,475
4000 and over	4,268	3,448	202	564	50	4	407
Unknown	14	12	1	-	-	1	2
Percent < 1500 grams	1.3	1.2	2.5	1.2	0.8	1.0	0.9
Percent < 2500 grams	8.0	7.5	14.0	6.6	8.1	9.9	7.0
<i>Plurality</i>							
Single birth	48,867	38,110	4,525	5,050	1,086	96	5,127
Multiple birth	1,442	1,134	168	106	28	6	124
	1	1	-	-	-	-	-
<i>Live-birth order</i>							
1st birth	19,592	15,305	1,734	2,013	503	37	1,975
2nd birth	16,099	12,845	1,310	1,578	340	26	1,510
3rd birth	9,058	7,025	915	923	176	19	1,010
4th birth	3,519	2,650	421	377	62	9	464
5th birth	2,011	1,401	304	263	33	10	291
Unknown	31	19	9	2	-	1	1

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, 2002

<i>Characteristic</i>	<i>Total</i>	<i>Race of mother</i>					<i>Unk</i>	<i>Hispanic¹</i>
		<i>White</i>	<i>Black</i>	<i>Am. Indian</i>	<i>Other</i>			
Total	50,310	39,245	4,693	5,156	1,114	102	5,251	
<i>Trimester prenatal care began</i>								
1st trimester	37,400	29,914	3,100	3,485	839	62	3,224	
2nd trimester	8,699	6,302	1,057	1,137	177	26	1,447	
3rd trimester	2,062	1,441	252	314	50	5	319	
No care	619	434	97	70	12	6	111	
Unknown	1,530	1,154	187	150	36	3	150	
Percent 1st trimester care	76.7	78.5	68.8	69.6	77.8	62.6	63.2	
<i>Number of prenatal care visits</i>								
No visits	619	434	97	70	12	6	111	
1-4 visits	2,553	1,657	426	403	64	3	405	
5-9 visits	12,708	9,518	1,312	1,558	288	32	1,866	
10-12 visits	19,718	15,833	1,584	1,809	451	41	1,813	
13+ visits	14,365	11,550	1,232	1,272	292	19	1,012	
Unknown	347	253	42	44	7	1	44	
Percent with 10 or more visits	68.2	70.2	60.5	60.3	67.1	59.4	54.3	
<i>Adequacy of prenatal care</i>								
1st trimester and 10 or more visits	29,995	24,260	2,386	2,641	658	50	2,274	
Intermediate care	15,348	11,480	1,621	1,865	345	37	2,279	
Little care	756	476	150	116	13	1	118	
Late care	2,062	1,441	252	314	50	5	319	
No care	619	434	97	70	12	6	111	
Unknown	1,530	1,154	187	150	36	3	150	
Percent 1st trimester and 10 or more visits	61.5	63.7	53.0	52.8	61.0	50.5	44.6	
Percent late, little, or no care	7.0	6.2	11.1	10.0	7.0	12.1	10.7	
<i>Tobacco use during pregnancy</i>								
No	41,112	31,907	4,015	4,040	1,060	90	5,015	
Yes	9,099	7,261	668	1,106	54	10	221	
Unknown	99	77	10	10	-	2	15	
Percent with tobacco use	18.1	18.5	14.3	21.5	4.8	10.0	4.2	
<i>Alcohol use during pregnancy</i>								
No	49,700	38,780	4,631	5,081	1,109	99	5,207	
Yes	488	378	51	54	4	1	29	
Unknown	122	87	11	21	1	2	15	
Percent with alcohol use	1.0	1.0	1.1	1.1	0.4	1.0	0.6	

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, 2002

Characteristic	Total	Birthweight				Unk	Total	
		< 1500 grams	1500-2499 grams	2500-3999 grams	4000 grams or more		< 2500 grams	Percent
Total	50,310	649	3,372	42,007	4,268	14	4,021	8.0
<i>Race/ethnicity of mother</i>								
White	39,245	460	2,465	32,860	3448	12	2,925	7.5
Black	4,693	117	541	3,832	202	1	658	14.0
American Indian	5,156	62	276	4,254	564	-	338	6.6
Other	1,114	9	81	974	50	-	90	8.1
Unknown	102	1	9	87	4	1	10	9.9
Hispanic ¹	5,251	45	322	4,475	407	2	367	7.0
<i>Age of mother</i>								
10-14 years	113	4	7	97	5	-	11	9.7
15-19 years	7,302	112	553	6,220	413	4	665	9.1
20-24 years	17,038	215	1,197	14,359	1,263	4	1,412	8.3
25-29 years	13,324	144	785	11,154	1,239	2	929	7.0
30-34 years	8,487	103	506	6,972	902	4	609	7.2
35-39 years	3,301	61	265	2,609	366	-	326	9.9
40-44 years	707	10	50	573	74	-	60	8.5
45 and over	30	-	9	16	5	-	9	30.0
Unknown	8	-	-	7	1	-	0	0.0
<i>Marital Status</i>								
Married	31,967	348	1,838	26,676	3,096	9	2,186	6.8
Not married	18,334	301	1,533	15,325	1,171	4	1,834	10.0
Unknown	9	-	1	6	1	1	1	12.5
<i>Education of mother</i>								
0-8 years	2,328	29	153	1,997	149	-	182	7.8
9-11 years	9,627	148	815	8,069	591	4	963	10.0
12 years	18,389	240	1,324	15,272	1,549	4	1,564	8.5
13-15 years	10,385	137	592	8,642	1,011	3	729	7.0
16+ years	9,455	93	476	7,923	961	2	569	6.0
Unknown	126	2	12	104	7	1	14	11.2
<i>Plurality</i>								
Single birth	48,867	485	2,662	41,441	4,266	13	3,147	6.4
Multiple birth	1,442	164	710	565	2	1	874	60.7
<i>Live-birth order</i>								
1st birth	19,592	300	1,328	16,508	1,451	5	1,628	8.3
2nd birth	16,099	165	963	13,579	1,387	5	1,128	7.0
3rd birth	9,058	98	596	7,503	859	2	694	7.7
4th birth	3,519	49	284	2,846	339	1	333	9.5
5th birth	2,011	37	196	1,549	229	-	233	11.6
Unknown	31	-	5	22	3	1	5	16.7
<i>Gestational age</i>								
< 37 weeks	6,121	603	1,900	3,476	135	7	2,503	40.9
37-39 weeks	25,117	10	1,018	22,279	1,807	3	1,028	4.1
40 weeks or more	17,069	6	300	14,610	2,151	2	306	1.8
Unknown	2,003	30	154	1,642	175	2	184	9.2

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, 2002

Characteristic	Total	Birthweight				Unk	Total	
		< 1500 grams	1500-2499 grams	2500-3999 grams	4000 grams or more		< 2500 grams	
							Number	Percent
Total	50,310	649	3,372	42,007	4,268	14	4,021	8.0
<i>Trimester prenatal care began</i>								
1st trimester	37,400	476	2,348	31,299	3,271	6	2,824	7.6
2nd trimester	8,699	95	674	7,238	690	2	769	8.8
3rd trimester	2,062	12	148	1,752	148	2	160	7.8
No care	619	47	92	442	35	3	139	22.6
Unknown	1,530	19	110	1,276	124	1	129	8.4
<i>Number of prenatal care visits</i>								
No visits	619	47	92	442	35	3	139	22.6
1-4 visits	2,553	144	317	1,944	146	2	461	18.1
5-9 visits	12,708	281	1,129	10,414	880	4	1,410	11.1
10-12 visits	19,718	101	1,034	16,837	1,743	3	1,135	5.8
13+ visits	14,365	62	755	12,104	1,443	1	817	5.7
Unknown	347	14	45	266	21	1	59	17.1
<i>Adequacy of prenatal care</i>								
1st trimester and 10 or more visits	29,995	158	1,591	25,446	2,797	3	1,749	5.8
Intermediate care	15,348	343	1,311	12,563	1,126	5	1,654	10.8
Little care	756	70	120	528	38	-	190	25.1
Late care	2,062	12	148	1,752	148	2	160	7.8
No care	619	47	92	442	35	3	139	22.6
Unknown	1,530	19	110	1,276	124	1	129	8.4
Percent 1st trimester and 10 or more visits	61.5	25.1	48.8	62.5	67.5	23.1	44.9	
Percent late, little, or no care	7.0	20.5	11.0	6.7	5.3	38.5	12.6	
<i>Tobacco use during pregnancy</i>								
No	41,112	503	2432	34299	3867	11	2935	7.1
Yes	9,099	145	933	7629	390	2	1078	11.9
Unknown	99	1	7	79	11	1	8	8.2
<i>Alcohol use during pregnancy</i>								
No	49,700	638	3312	41515	4222	13	3950	7.9
Yes	488	10	51	393	34	-	61	12.5
Unknown	122	1	9	99	12	1	10	8.3

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, 2002

<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	50,310	113	2,216	2,329	5,086	7,302	7,415
<i>Race/ethnicity of mother</i>							
White	39,245	66	1,528	1,594	3,722	5,250	5,316
Black	4,693	24	315	339	609	924	948
American Indian	5,156	22	352	374	695	1,047	1,069
Other	1,114	1	12	13	46	58	59
Unknown	102	-	9	9	14	23	23
Hispanic1	5,251	16	348	364	571	919	935
<i>Education of mother</i>							
0-8 years	2,328	88	335	423	256	591	679
9-11 years	9,627	22	1,651	1,673	1,986	3,637	3,659
12 years	18,389	2	220	222	2,479	2,699	2,701
13-15 years	10,385	-	4	4	345	349	349
16+ years	9,455	-	-	-	8	8	8
Unknown	126	1	6	7	12	18	19
<i>Marital Status</i>							
Married	31,967	5	300	305	1,652	1,952	1,957
Not married	18,334	108	1,916	2,024	3,433	5,349	5,457
Unknown	9	-	-	-	1	1	1
Percent Not Married	36.4	95.6	86.5	86.9	67.5	73.3	73.6
<i>Trimester prenatal care began</i>							
1st trimester	37,400	53	1,291	1,344	3,324	4,615	4,668
2nd trimester	8,699	38	669	707	1,218	1,887	1,925
3rd trimester	2,062	10	146	156	292	438	448
No care	619	5	36	41	68	104	109
Unknown	1,530	7	74	81	184	258	265
Percent 1st Trimester Care	76.7	50.0	60.3	59.8	67.8	65.5	65.3
<i>Number of prenatal care visits</i>							
No visits	619	5	36	41	68	104	109
1-4 visits	2,553	15	186	201	372	558	573
5-9 visits	12,708	54	791	845	1,626	2,417	2,471
10-12 visits	19,718	30	760	790	1,802	2,562	2,592
13+ visits	14,365	8	426	434	1,173	1,599	1,607
Unknown	347	1	17	18	45	62	63
Percent with 10 or more visits	68.2	33.9	53.9	53.0	59.0	57.5	57.1
<i>Adequacy of prenatal care</i>							
1st trimester and 10 or more visits	29,995	26	936	962	2,459	3,395	3,421
Intermediate care	15,348	60	974	1,034	1,943	2,917	2,977
Little care	756	5	50	55	140	190	195
Late care	2,062	10	146	156	292	438	448
No care	619	5	36	41	68	104	109
Unknown	1,530	7	74	81	184	258	265
Percent 1st trimester and 10 or more visits	61.5	24.5	43.7	42.8	50.2	48.2	47.8
Percent late, little, or no care	7.0	18.9	10.8	11.2	10.2	10.4	10.5

- Denotes no events in that category.

Table 18. Number and percent of births to teens by age group and selected characteristics: Oklahoma, 2002

<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	50,310	113	2,216	2,329	5,086	7,302	7,415
<i>Birthweight</i>							
< 1500 grams	649	4	34	38	78	112	116
1500-2499 grams	3,372	7	180	187	373	553	560
2500-3999 grams	42,007	97	1,892	1,989	4,328	6,220	6,317
4000 and over	4,268	5	110	115	303	413	418
Unknown	14	-	-	-	4	4	4
Percent < 1500 grams	1.3	3.5	1.5	1.6	1.5	1.5	1.6
Percent < 2500 grams	8.0	9.7	9.7	9.7	8.9	9.1	9.1

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, 1975-2002

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

<i>Year</i>	<i>Short birth interval</i>		<i>Previous births</i>		<i>Number of teen births</i>	<i>% of births to women < 20 years</i>	<i>Fertility rate ages 15-19</i>
	<i>< 18 months</i>	<i>< 24 months</i>	<i>Age < 20: 2+ births</i>	<i>Age > 19: 4+ births</i>			
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

Table 20. Number of teen births and age-specific birth rates by age and race of mother: Oklahoma, 1975-2002

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

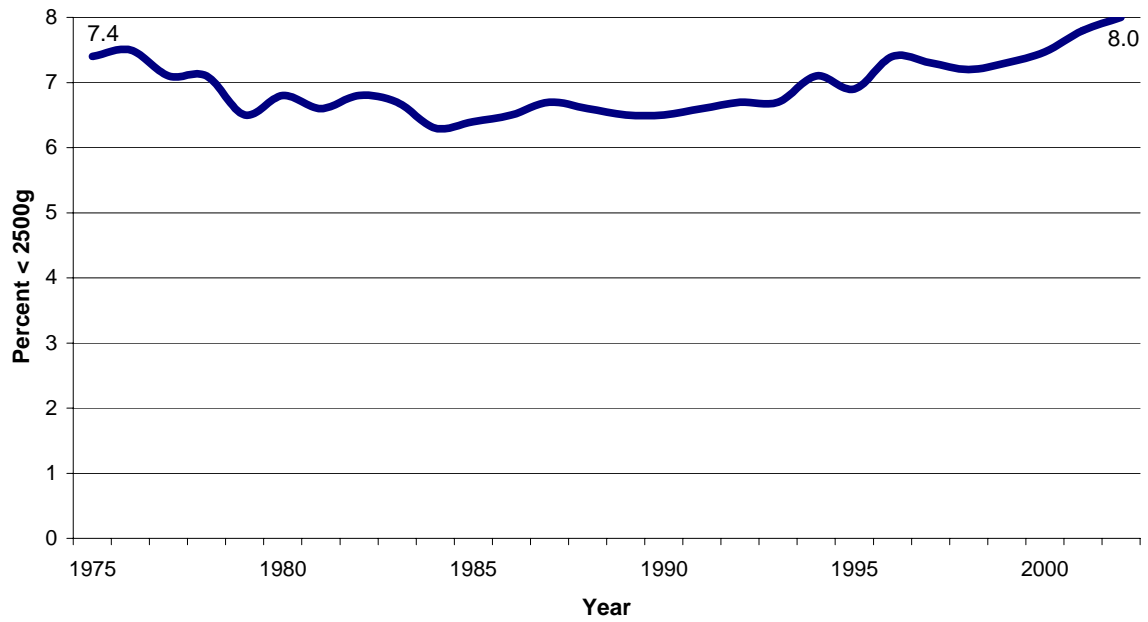
Year	10-14 Years		15-17 Years		18-19 Years		Race of mother: Ages 15-19			Total ¹
	Number	Rate	Number	Rate	Number	Rate	White	Black	American Indian	
1975	179	1.5	3,881	51.9	6,001	117.5	68.2	141.1	120.4	78.6
1976	171	1.5	3,822	50.8	5,938	114.0	67.0	132.7	117.9	76.7
1977	148	1.3	3,666	48.4	5,926	111.6	66.0	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

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

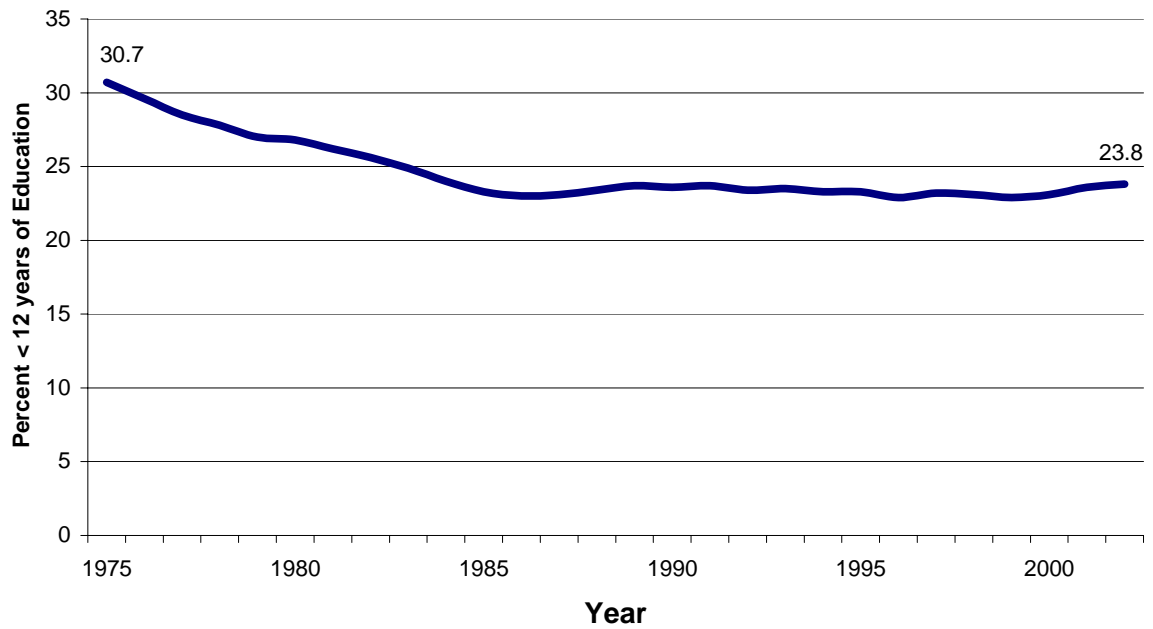
Table 21. Percent of births by race, low birthweight, low educational attainment and marital status: Oklahoma, 1975-2002

<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

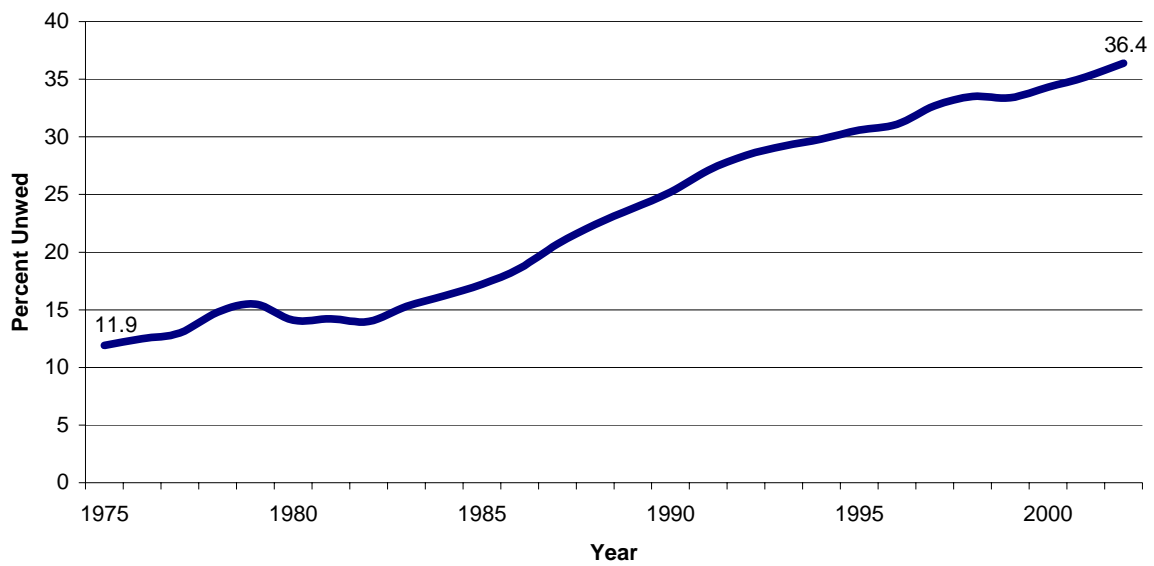
**Figure 1. Percent of Births of Low Birthweight
Oklahoma: 1975-2002**



**Figure 2. Percent of Births to Mothers with Low Education
Oklahoma, 1975-2002**



**Figure 3. Percent of Births to Unmarried Mothers
Oklahoma: 1975-2002**



**Figure 4. Percent of Teen Births to Unmarried Mothers
Oklahoma: 1975-2002**

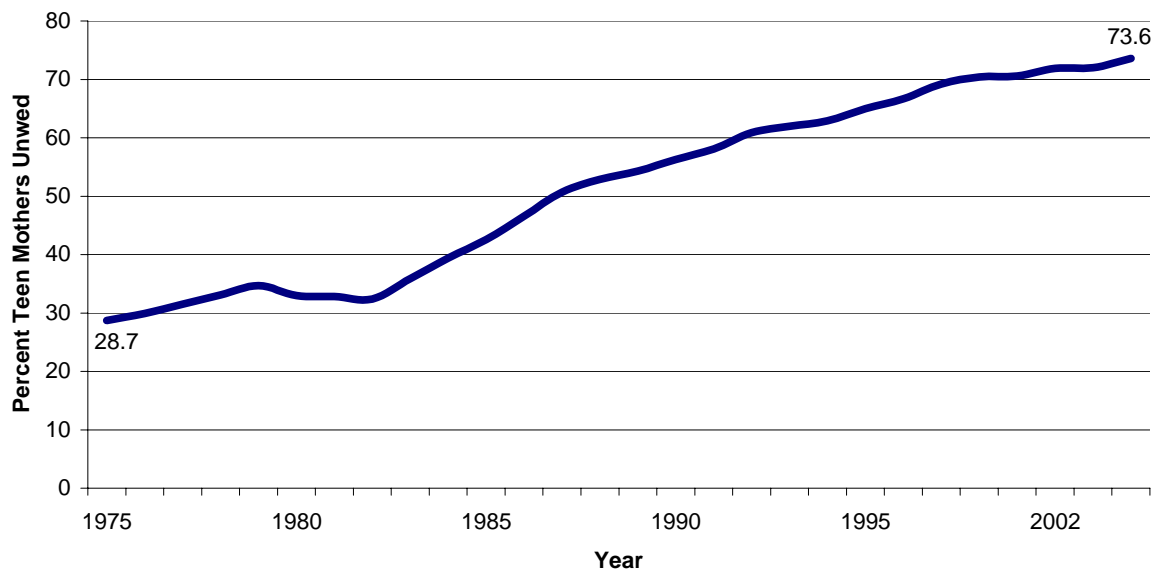


Table 22. Percent of births by first trimester and adequacy of prenatal care: Oklahoma, 1975-2002

<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

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, 1975-2002**

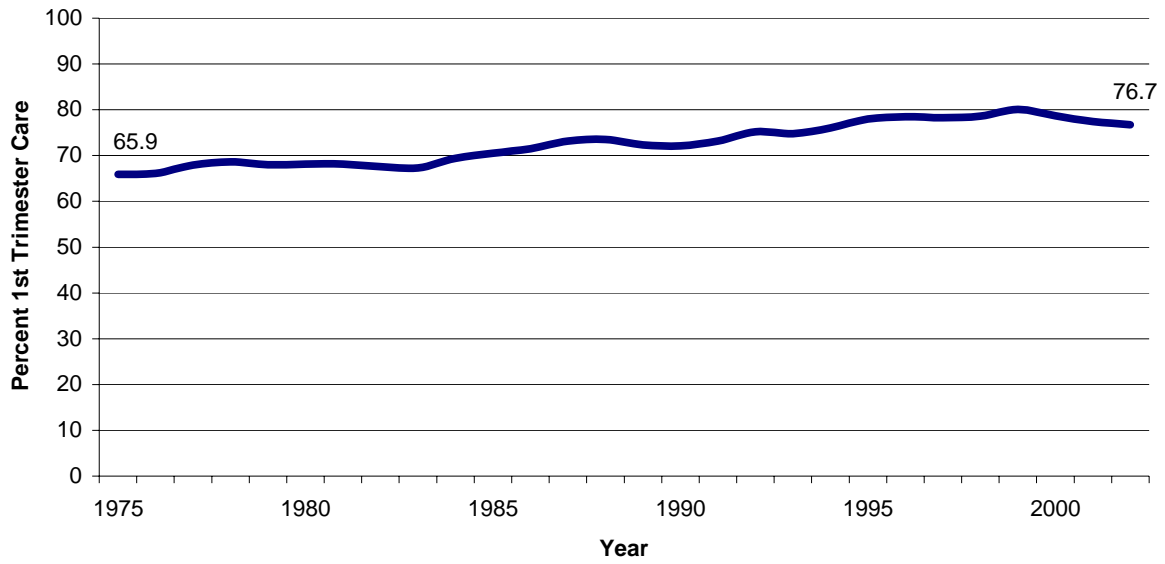


Figure 6
Percent of Births of Low Birthweight
United States and Oklahoma, 1975-2002

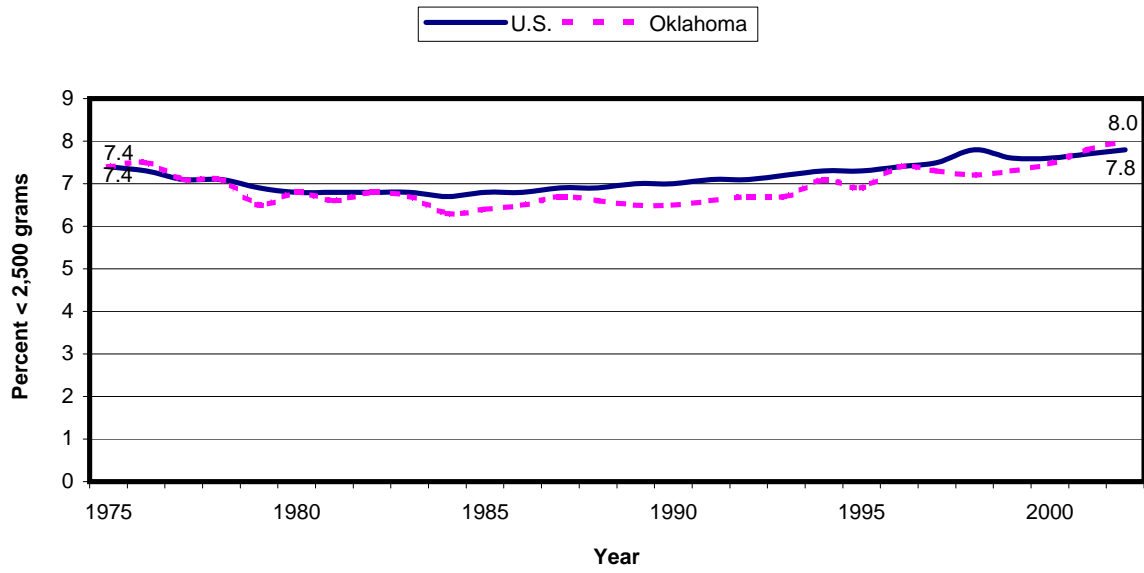


Figure 7. Percent of Births to Unmarried Mothers
United States and Oklahoma, 1975-2002

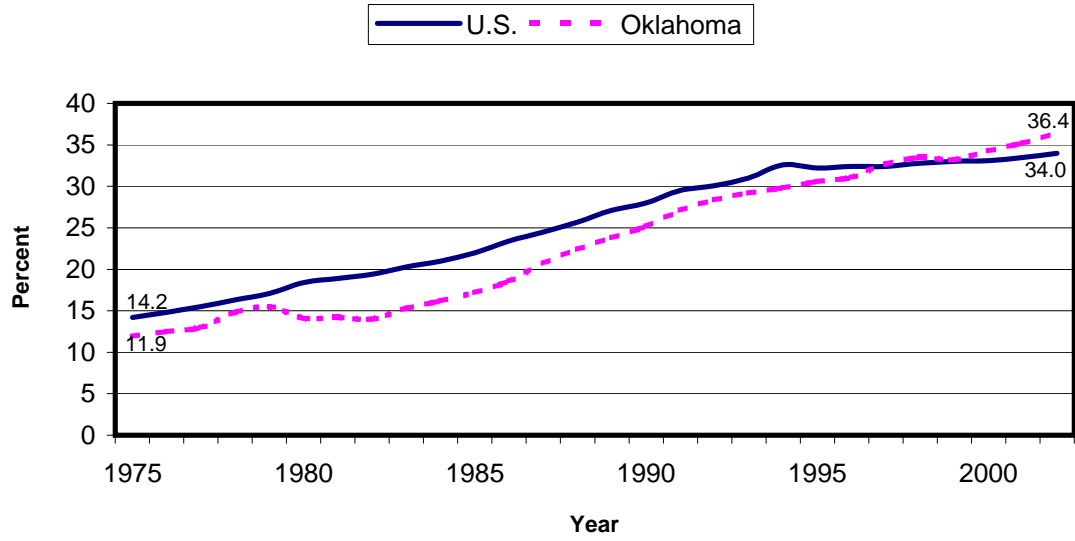


Table 23. Crude birth rates, birth rates for teens aged 15-19, percent of births to women less than 20 years of age, fertility rates, fertility rates by race of mother, and percent of births of low birth weight: UNITED STATES, 1975-2002

(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

- Data not available.

*Race of child-NCHS classification prior to 1980.

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, 1975-2002

<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	-	6.8*

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, 1975-2002**

(rates per 1,000 total population)

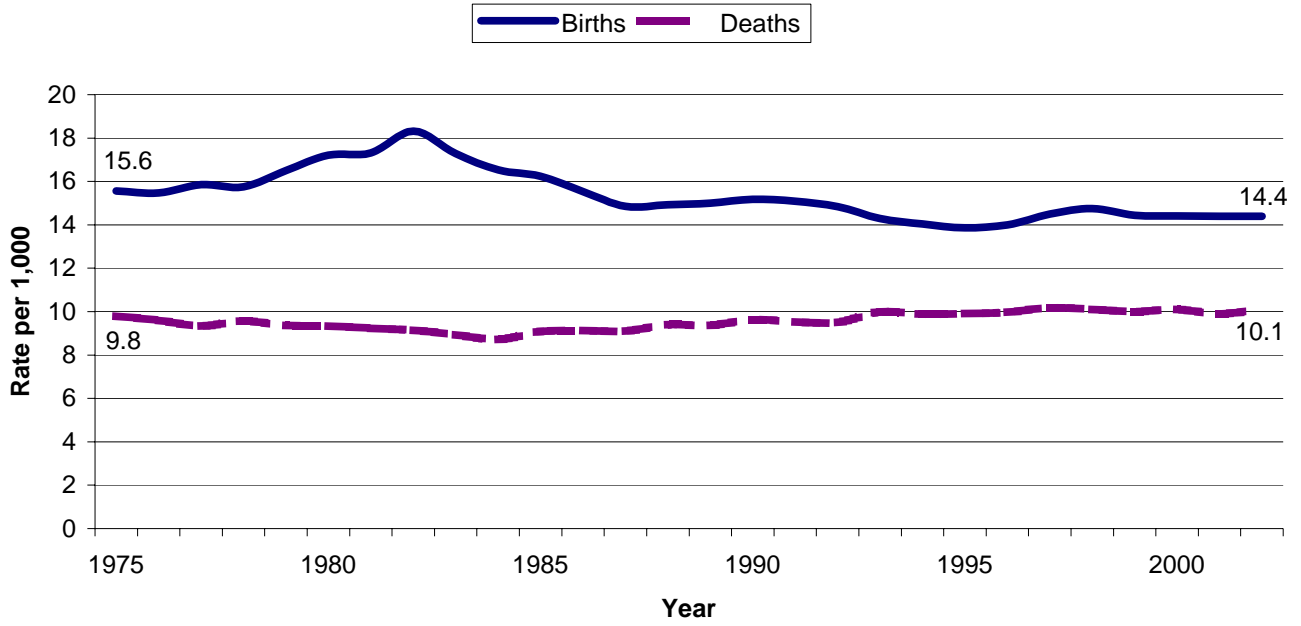


Table 25. Number and crude rate of births and deaths: Oklahoma, 1975-2001

<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

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

Table 26. 20 Leading Rankable Causes of Death: Oklahoma, 2002

(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)	11,095	35.3	3,493,714	296.2	313.7	22,168
2 Malignant neoplasms (C00-C97)	7,421	23.6	3,493,714	199.9	209.5	25,303
3 Cerebrovascular diseases (I60-I69)	2,417	7.7	3,493,714	64.5	68.4	4,347
4 Chronic lower respiratory diseases (J40-J47)	1,963	6.3	3,493,714	52.7	55.7	2,721
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	1,534	4.9	3,493,714	43.1	43.7	31,069
6 Diabetes mellitus (E10-E14)	1,042	3.3	3,493,714	28.1	29.4	3,446
7 Influenza and pneumonia (J10-J18)	910	2.9	3,493,714	24.2	25.8	1,658
8 Alzheimer's disease (G30)	749	2.4	3,493,714	19.8	21.2	50
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	496	1.6	3,493,714	13.3	14.0	1,125
10 Intentional self-harm (suicide) (X60-X84,Y87.0)	491	1.6	3,493,714	14.0	13.9	10,993
11 Septicemia (A40-A41)	428	1.4	3,493,714	11.5	12.1	2,130
12 Chronic liver disease and cirrhosis (K70,K73-K74)	417	1.3	3,493,714	11.4	11.7	3,569
13 Atherosclerosis (I70)	331	1.1	3,493,714	8.7	9.4	146
14 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	223	0.7	3,493,714	6.0	6.3	515
15 Pneumonitis due to solids and liquids (J69)	222	0.7	3,493,714	5.9	6.3	290
16 Parkinson's disease (G20-G21)	207	0.7	3,493,714	5.5	5.9	40
17						
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	200	0.6	3,493,714	5.4	5.7	988
18 Aortic aneurysm and dissection (I71)	193	0.6	3,493,714	5.2	5.5	540
19 Assault (homicide) (X85-Y09,Y87.1)	181	0.6	3,493,714	5.2	5.1	5,597
20 Certain conditions originating in the perinatal period (P00-P96)	148	0.5	3,493,714	4.1	4.2	9,535

Table 27. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65: Oklahoma, 2002

(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)	1,534	4.9	3,493,714	43.9	43.1	31,069
2 Malignant neoplasms (C00-C97)	7,421	23.6	3,493,714	212.4	199.9	25,303
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	11,095	35.3	3,493,714	317.6	296.2	22,168
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	491	1.6	3,493,714	14.1	14.0	10,993
5 Certain conditions originating in the perinatal period (P00-P96)	148	0.5	3,493,714	4.2	4.1	9,535
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	146	0.5	3,493,714	4.2	4.1	7,067
7 Assault (homicide) (X85-Y09,Y87.1)	181	0.6	3,493,714	5.2	5.2	5,597
8 Cerebrovascular diseases (I60-I69)	2,417	7.7	3,493,714	69.2	64.5	4,347
9 Chronic liver disease and cirrhosis (K70,K73-K74)	417	1.3	3,493,714	11.9	11.4	3,569
10 Diabetes mellitus (E10-E14)	1,042	3.3	3,493,714	29.8	28.1	3,446
11 Chronic lower respiratory diseases (J40-J47)	1,963	6.3	3,493,714	56.2	52.7	2,721
12 Septicemia (A40-A41)	428	1.4	3,493,714	12.3	11.5	2,130
13 Human immunodeficiency virus (HIV) disease (B20-B24)	90	0.3	3,493,714	2.6	2.7	1,837
14 Influenza and pneumonia (J10-J18)	910	2.9	3,493,714	26.0	24.2	1,658
15 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	496	1.6	3,493,714	14.2	13.3	1,125
16 Viral hepatitis (B15-B19)	86	0.3	3,493,714	2.5	2.4	1,031
17 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	200	0.6	3,493,714	5.7	5.4	988
18 Aortic aneurysm and dissection (I71)	193	0.6	3,493,714	5.5	5.2	540
19 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	223	0.7	3,493,714	6.4	6.0	515
20 Legal intervention (Y35,Y89.0)	13	**	3,493,714	0.4	0.4	317

**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, 2002

(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>
All deaths	35,345	1011.7	950.1
Shigellosis and amebiasis (A03,A06)	1	++	++
Tuberculosis (A16-A19)	15	0.4	0.4
Respiratory tuberculosis (A16)	12	0.3	0.3
Other tuberculosis (A17-A19)	3	++	++
Meningococcal infection (A39)	2	++	++
Septicemia (A40-A41)	428	12.3	11.5
Acute poliomyelitis (A80)	2	++	++
Viral hepatitis (B15-B19)	86	2.5	2.4
Human immunodeficiency virus (HIV) disease (B20-B24)	90	2.6	2.7
Malignant neoplasms (C00-C97)	7,421	212.4	199.9
Lip, oral cavity and pharynx (C00-C14)	88	2.5	2.4
Esophagus (C15)	139	4.0	3.8
Stomach (C16)	126	3.6	3.4
Colon, rectum and anus (C18-C21)	733	21.0	19.6
Liver and intrahepatic bile ducts (C22)	139	4.0	3.7
Pancreas (C25)	349	10.0	9.4
Larynx (C32)	47	1.3	1.3
Trachea, bronchus and lung (C33-C34)	2,378	68.1	63.9
Skin (C43)	123	3.5	3.4
Breast (C50)	541	15.5	14.6
Cervix uteri (C53)	53	1.5	1.5
Corpus uteri and uterus, part unspecified (C54-C55)	85	2.4	2.3
Ovary (C56)	178	5.1	4.8
Prostate (C61)	353	10.1	9.5
Kidney and renal pelvis (C64-C65)	193	5.5	5.2
Bladder (C67)	168	4.8	4.5
Meninges, brain and other parts of central nervous system (C70-C72)	185	5.3	5.1
Hodgkin's disease (C81)	26	0.7	0.7
Non-Hodgkin's lymphoma (C82-C85)	270	7.7	7.3
Leukemia (C91-C95)	280	8.0	7.6
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	125	3.6	3.4
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	2	++	++
All other and unspecified malignant neoplasms	840	24.0	22.6
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	200	5.7	5.4
Anemias (D50-D64)	50	1.4	1.3
Diabetes mellitus (E10-E14)	1,042	29.8	28.1
Nutritional deficiencies (E40-E64)	87	2.5	2.3
Malnutrition (E40-E46)	82	2.3	2.2
Other nutritional deficiencies (E50-E64)	5	0.1	0.1
Meningitis (G00,G03)	10	0.3	0.3
Parkinson's disease (G20-G21)	207	5.9	5.5

++ 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, 2002

(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>
All deaths	35,345	1011.7	950.1
Alzheimer's disease (G30)	749	21.4	19.8
Diseases of heart (I00-I09,I11,I13,I20-I51)	11,095	317.6	296.2
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	35	1.0	0.9
Hypertensive heart disease (I11)	175	5.0	4.6
Hypertensive heart and renal disease (I13)	25	0.7	0.7
Acute myocardial infarction (I21-I22)	2,228	63.8	59.7
Other acute ischemic heart diseases (I24)	1,079	30.9	28.7
Atherosclerotic cardiovascular disease, so described (I25.0)	1,635	46.8	43.7
All other forms of chronic ischemic heart disease (I20,I25.1-I25.9)	3,220	92.2	85.8
Acute and subacute endocarditis (I33)	14	0.4	0.4
Diseases of pericardium and acute myocarditis (I30-I31,I40)	7	0.2	0.2
Heart failure (I50)	1,210	34.6	32.0
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	1,467	42.0	39.4
Essential (primary) hypertension and hypertensive renal disease (I10,I12)	223	6.4	6.0
Cerebrovascular diseases (I60-I69)	2,417	69.2	64.5
Atherosclerosis (I70)	331	9.5	8.7
Aortic aneurysm and dissection (I71)	193	5.5	5.2
Influenza and pneumonia (J10-J18)	910	26.0	24.2
Influenza (J10-J11)	5	0.1	0.1
Pneumonia (J12-J18)	905	25.9	24.0
Acute bronchitis and bronchiolitis (J20-J21)	4	++	++
Chronic lower respiratory diseases (J40-J47)	1,963	56.2	57.2
Bronchitis, chronic and unspecified (J40-J42)	3	++	++
Emphysema (J43)	190	5.4	5.1
Asthma (J45-J46)	45	1.3	1.2
Other chronic lower respiratory diseases (J44,J47)	1,725	49.4	46.3
Pneumoconioses and chemical effects (J60-J66,J68)	6	0.2	0.2
Pneumonitis due to solids and liquids (J69)	222	6.4	5.9
Peptic ulcer (K25-K28)	55	1.6	1.5
Diseases of appendix (K35-K38)	5	0.1	0.1
Hernia (K40-K46)	29	0.8	0.8
Chronic liver disease and cirrhosis (K70,K73-K74)	417	11.9	11.4
Alcoholic liver disease (K70)	202	5.8	5.5
Other chronic liver disease and cirrhosis (K73-K74)	215	6.2	5.9
Cholelithiasis and other disorders of gallbladder (K80-K82)	45	1.3	1.2
Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	496	14.2	13.3
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified (N02-N03,N05-N07,N26)	5	0.1	0.1
Renal failure (N17-N19)	491	14.1	13.1
Infections of kidney (N10-N12,N13.6,N15.1)	19	0.5	0.5
Hyperplasia of prostate (N40)	4	++	++

++ 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, 2002

(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>
All deaths	35,345	1011.7	950.1
Inflammatory diseases of female pelvic organs (N70-N76)	1	++	++
Pregnancy, childbirth and the puerperium (O00-O99)	8	0.2	0.2
Certain conditions originating in the perinatal period (P00-P96)	148	4.2	4.1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	146	4.2	4.1
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	1,534	43.9	43.3
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-V88.1)	712	20.4	20.1
Other land transport accidents	37	1.1	1.1
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99, Y85)	20	0.6	0.6
Falls (W00-W19)	151	4.3	4.1
Accidental discharge of firearms (W32-W34)	18	0.5	0.5
Accidental drowning and submersion (W65-W74)	48	1.4	1.4
Accidental exposure to smoke, fire and flames (X00-X09)	67	1.9	1.9
Accidental poisoning and exposure to noxious substances (X40-X49)	194	5.6	5.7
Other and unspecified nontransport accidents and their sequelae	287	8.2	7.8
Intentional self-harm (suicide) (X60-X84, Y87.0)	491	14.1	14.0
Discharge of firearms (X72-X74)	307	8.8	8.6
Other and unspecified means and their sequelae	184	5.3	5.4
Assault (homicide) (X85-Y09, Y87.1)	181	5.2	5.2
Discharge of firearms (X93-X95)	102	2.9	2.9
Other and unspecified means and their sequelae	79	2.3	2.3
Legal intervention (Y35, Y89.0)	13	0.4	0.4
Co Complications of medical and surgical care (Y40-Y84, Y88)	41	1.2	1.1
Non Rankable Causes	3,959	113.3	105.6
Missing	241	6.9	4.9
Certain other intestinal infections (A04, A07-A09)	17	0.5	0.5
Other and unspecified infectious and parasitic diseases and their sequelae	76	2.2	2.0
Other diseases of arteries, arterioles and capillaries (I72-I78)	112	3.2	3.0
Other disorders of circulatory system (I80-I99)	55	1.6	1.5
Other diseases of respiratory system (J00-J06, J30-J39, J67, J70-J98)	349	10.0	9.4
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	586	16.8	16.4
All other diseases (Residual)	2,498	71.5	67.1
Discharge of firearms, undetermined intent (Y22-Y24)	9	0.3	0.3
Other and unspecified events of undetermined intent and their sequelae	16	0.5	0.5

++ 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, 2002

(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)	5,336	1,719,873	310.3	360.2	15,411
2 Malignant neoplasms (C00-C97)	3,943	1,719,873	229.3	252.1	12,961
3 Chronic lower respiratory diseases (J40-J47)	991	1,719,873	57.6	66.9	1,328
4 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	958	1,719,873	55.7	57.7	21,631
5 Cerebrovascular diseases (I60-I69)	891	1,719,873	51.8	62.8	2,438
6 Diabetes mellitus (E10-E14)	475	1,719,873	27.6	31.1	1,891
7 Intentional self-harm (suicide) (X60-X84,Y87.0)	389	1,719,873	22.6	23.0	8,747
8 Influenza and pneumonia (J10-J18)	384	1,719,873	22.3	28.6	923
9 Chronic liver disease and cirrhosis (K70,K73-K74)	256	1,719,873	14.9	15.1	2,442
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	221	1,719,873	12.8	15.5	683
11 Alzheimer's disease (G30)	211	1,719,873	12.3	16.2	18
12 Septicemia (A40-A41)	173	1,719,873	10.1	11.7	931
13 Assault (homicide) (X85-Y09,Y87.1)	130	1,719,873	7.6	7.4	3,886
14 Aortic aneurysm and dissection (I71)	117	1,719,873	6.8	7.5	344
15 Parkinson's disease (G20-G21)	116	1,719,873	6.7	8.5	13
16 Pneumonitis due to solids and liquids (J69)	109	1,719,873	6.3	8.1	205
17 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	108	1,719,873	6.3	7.3	579
18 Atherosclerosis (I70)	107	1,719,873	6.2	7.9	75
19 Certain conditions originating in the perinatal period (P00-P96)	89	1,719,873	5.2	4.8	5,765
20 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	82	1,719,873	4.8	5.6	376

Table 30. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among Males: Oklahoma, 2002

(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)	958	1,719,873	55.7	57.7	21,631
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,336	1,719,873	310.3	360.2	15,411
3 Malignant neoplasms (C00-C97)	3,943	1,719,873	229.3	252.1	12,961
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	389	1,719,873	22.6	23.0	8,747
5 Certain conditions originating in the perinatal period (P00-P96)	89	1,719,873	5.2	4.8	5,765
6 Assault (homicide) (X85-Y09,Y87.1)	130	1,719,873	7.6	7.4	3,886
7 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	76	1,719,873	4.4	4.2	3,806
8 Chronic liver disease and cirrhosis (K70,K73-K74)	256	1,719,873	14.9	15.1	2,442
9 Cerebrovascular diseases (I60-I69)	891	1,719,873	51.8	62.8	2,438
10 Diabetes mellitus (E10-E14)	475	1,719,873	27.6	31.1	1,891
11 Human immunodeficiency virus (HIV) disease (B20-B24)	77	1,719,873	4.5	4.6	1,582
12 Chronic lower respiratory diseases (J40-J47)	991	1,719,873	57.6	66.9	1,328
13 Septicemia (A40-A41)	173	1,719,873	10.1	11.7	931
14 Influenza and pneumonia (J10-J18)	384	1,719,873	22.3	28.6	923
15 Viral hepatitis (B15-B19)	55	1,719,873	3.2	3.2	749
16 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	221	1,719,873	12.8	15.5	683
17 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	108	1,719,873	6.3	7.3	579
18 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	82	1,719,873	4.8	5.6	376
19 Aortic aneurysm and dissection (I71)	117	1,719,873	6.8	7.5	344
20 Legal intervention (Y35,Y89.0)	13	1,719,873	0.8	0.8	317

Table 31. 20 Leading Rankable Causes of Death among Females: Oklahoma, 2002

(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)	5,759	1,773,841	324.7	244.8	6,757
2 Malignant neoplasms (C00-C97)	3,478	1,773,841	196.1	164.5	12,342
3 Cerebrovascular diseases (I60-I69)	1,526	1,773,841	86	65.0	1,909
4 Chronic lower respiratory diseases (J40-J47)	972	1,773,841	54.8	44.5	1,393
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	576	1,773,841	32.5	29.6	9,438
6 Diabetes mellitus (E10-E14)	567	1,773,841	32	26.2	1,555
7 Alzheimer's disease (G30)	538	1,773,841	30.3	21.6	32
8 Influenza and pneumonia (J10-J18)	526	1,773,841	29.7	21.7	735
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	275	1,773,841	15.5	11.8	442
10 Septicemia (A40-A41)	255	1,773,841	14.4	11.5	1,199
11 Atherosclerosis (I70)	224	1,773,841	12.6	9.0	71
12 Chronic liver disease and cirrhosis (K70,K73-K74)	161	1,773,841	9.1	8.1	1,127
13 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	141	1,773,841	7.9	6.1	139
14 Pneumonitis due to solids and liquids (J69)	113	1,773,841	6.4	4.6	85
15 Intentional self-harm (suicide) (X60-X84,Y87.0)	102	1,773,841	5.8	5.8	2,246
16 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	92	1,773,841	5.2	4.2	409
17 Parkinson's disease (G20-G21)	91	1,773,841	5.1	3.8	27
18 Aortic aneurysm and dissection (I71)	76	1,773,841	4.3	3.6	196
19 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	70	1,773,841	3.9	3.9	3,261
20 Certain conditions originating in the perinatal period (P00-P96)	59	1,773,841	3.3	3.3	3,770

Table 32. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among Females: Oklahoma, 2002

(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)	3,478	1,773,841	196.1	164.5	12,342
2 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	576	1,773,841	32.5	29.6	9,438
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	5,759	1,773,841	324.7	244.8	6,757
4 Certain conditions originating in the perinatal period (P00-P96)	59	1,773,841	3.3	3.3	3,770
5 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	70	1,773,841	3.9	3.9	3,261
6 Intentional self-harm (suicide) (X60-X84,Y87.0)	102	1,773,841	5.8	5.8	2,246
7 Cerebrovascular diseases (I60-I69)	1,526	1,773,841	86	65.0	1,909
8 Assault (homicide) (X85-Y09,Y87.1)	51	1,773,841	2.9	2.9	1,711
9 Diabetes mellitus (E10-E14)	567	1,773,841	32	26.2	1,555
10 Chronic lower respiratory diseases (J40-J47)	972	1,773,841	54.8	44.5	1,393
11 Septicemia (A40-A41)	255	1,773,841	14.4	11.5	1,199
12 Chronic liver disease and cirrhosis (K70,K73-K74)	161	1,773,841	9.1	8.1	1,127
13 Influenza and pneumonia (J10-J18)	526	1,773,841	29.7	21.7	735
14 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	275	1,773,841	15.5	11.8	442
15 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	92	1,773,841	5.2	4.2	409
16 Pregnancy, childbirth and the puerperium (O00-O99)	8	1,773,841	0.5	0.5	305
17 Viral hepatitis (B15-B19)	31	1,773,841	1.7	1.6	282
18 Human immunodeficiency virus (HIV) disease (B20-B24)	13	1,773,841	0.7	0.7	255
19 Aortic aneurysm and dissection (I71)	76	1,773,841	4.3	3.6	196
20 Meningitis (G00,G03)	5	1,773,841	0.3	0.3	190

Table 33. Number and percent of deaths, crude and age-adjusted mortality rates by gender: Oklahoma and each County, 2002

(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	17,207	48.7	1000.5	1132.2	18,139	51.3	1022.6	807.60
Adair	131	50.6	1234.7	1587.6	128	49.4	1190.6	1,199.60
Alfalfa	25	39.1	746.9	619.2	39	60.9	1528.8	739.9
Atoka	71	48.0	939.3	1076.6	77	52.0	1197.3	924.6
Beaver	35	64.8	1242.9	1097.3	19	35.2	688.7	474.7
Beckham	119	46.3	1149.0	1252.8	138	53.7	1451.0	960.7
Blaine	74	46.5	1112.3	1153.6	85	53.5	1565.7	883.1
Bryan	192	49.2	1059.3	1106.8	198	50.8	1047.0	795.9
Caddo	184	48.8	1226.3	1296.8	193	51.2	1287.0	996.8
Canadian	309	48.1	675.8	1035.8	334	51.9	730.6	807.9
Carter	292	47.6	1310.8	1321.5	322	52.4	1346.0	967.8
Cherokee	197	48.9	924.5	1186.4	206	51.1	931.7	917.3
Choctaw	87	43.1	1211.9	1164.7	115	56.9	1441.8	963.1
Cimarron	25	51.0	1693.8	1465.6	24	49.0	1570.7	961.4
Cleveland	668	50.8	617.0	1052.2	647	49.2	602.5	753.6
Coal	34	45.9	1169.6	1311.2	40	54.1	1330.7	879.4
Comanche	436	50.5	744.2	1234.0	427	49.5	778.9	822
Cotton	32	48.5	997.8	996.2	34	51.5	1043.6	541.4
Craig	93	50.8	1269.5	1330.1	90	49.2	1236.8	799.7
Creek	369	49.6	1091.8	1272.2	375	50.4	1070.2	953.6
Custer	173	55.4	1416.1	1609.8	139	44.6	1071.6	830.8
Delaware	236	51.2	1267.0	1166.6	225	48.8	1172.7	873.1
Dewey	32	53.3	1403.5	1140.1	28	46.7	1202.2	585.4
Ellis	30	50.0	1531.4	1128.0	30	50.0	1494.0	681.8
Garfield	363	48.9	1310.8	1345.9	379	51.1	1282.4	830.4
Garvin	168	45.2	1277.3	1142.7	204	54.8	1454.8	886.1
Grady	235	50.0	1027.4	1251.9	235	50.0	987.8	822.7
Grant	35	50.7	1423.3	1113.2	34	49.3	1322.4	708.4
Greer	40	46.5	1245.7	1212.1	46	53.5	1785.7	857.2
Harmon	20	36.4	1375.5	1035.8	35	63.6	2155.2	1,174.20
Harper	37	58.7	2220.9	1752.6	26	41.3	1448.5	775.9
Haskell	94	49.5	1625.7	1483.9	96	50.5	1615.1	1,123.00
Hughes	110	51.6	1521.4	1441.8	103	48.4	1519.4	859.2
Jackson	117	46.6	859.9	1227.2	134	53.4	976.2	814
Jefferson	66	55.0	2049.7	1687.9	54	45.0	1607.6	804.3
Johnston	66	45.8	1284.5	1245.9	78	54.2	1467.3	1,109.70
Kay	302	47.1	1305.3	1246.2	339	52.9	1381.2	902.8
Kingfisher	66	44.3	984.5	1197.6	83	55.7	1181.2	800.2
Kiowa	92	52.6	1883.7	1647.5	83	47.4	1645.8	902.4
Latimer	66	53.2	1266.8	1197.1	58	46.8	1088.8	852.2
Leflore	290	51.2	1199.7	1342.2	276	48.8	1137.7	944.5

Table 33. Number and percent of deaths, crude and age-adjusted mortality rates by gender: Oklahoma and each County, 2002

(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	17,207	48.7	1000.5	1132.2	18,139	51.3	1022.6	807.60
Lincoln	165	48.0	1034.0	1172.1	179	52.0	1097.8	895
Logan	173	51.8	1011.5	1337.5	161	48.2	924.0	843.4
Love	47	47.5	1061.9	981.4	52	52.5	1159.4	835.5
McClain	133	50.4	944.7	1099.1	131	49.6	925.3	813.4
McCurtain	194	51.3	1175.5	1300.5	184	48.7	1040.5	853.6
McIntosh	151	53.2	1606.0	1251.6	133	46.8	1287.0	799.2
Major	49	48.5	1345.0	1194.2	52	51.5	1348.9	687.9
Marshall	98	54.1	1459.9	1305.1	83	45.9	1214.5	815.8
Mayes	218	50.9	1133.8	1245.0	210	49.1	1069.8	830.9
Murray	114	53.3	1834.3	1550.8	100	46.7	1558.6	1,036.00
Muskogee	399	46.7	1182.6	1290.8	455	53.3	1255.6	895
Noble	56	42.4	999.5	977.7	76	57.6	1331.7	924.6
Nowata	60	45.1	1134.9	1099.7	73	54.9	1337.0	862.8
Okfuskee	80	51.3	1331.3	1386.3	76	48.7	1343.0	937.2
Oklahoma	3,055	47.6	934.8	1189.2	3,366	52.4	973.7	870.9
Okmulgee	243	52.3	1248.9	1336.1	222	47.7	1090.1	815.4
Osage	189	51.9	827.0	965.2	175	48.1	784.3	660.9
Ottawa	175	44.4	1088.6	1118.3	219	55.6	1290.9	923.6
Pawnee	79	41.8	950.1	998.6	110	58.2	1291.7	986.1
Payne	268	47.8	753.5	1115.2	293	52.2	853.1	780.6
Pittsburg	251	46.5	1130.0	1122.2	289	53.5	1326.1	871.5
Pontotoc	183	42.3	1091.1	1298.5	250	57.7	1381.4	1,041.30
Pottawatomie	328	46.3	1010.5	1193.9	381	53.7	1111.4	923
Pushmataha	75	50.0	1337.6	1159.5	75	50.0	1230.1	787.7
Roger Mills	9	33.3	572.2	503.4	18	66.7	1104.3	561
Rogers	318	52.2	853.1	1116.5	291	47.8	759.9	786
Seminole	157	50.8	1306.8	1242.1	152	49.2	1194.9	887.1
Sequoyah	228	51.7	1158.2	1310.2	213	48.3	1056.2	921.1
Stephens	273	48.3	1320.8	1200.8	292	51.7	1329.2	881.3
Texas	66	48.5	635.7	855.4	70	51.5	715.2	781.5
Tillman	54	45.8	1236.8	1073.1	64	54.2	1385.9	737.4
Tulsa	2,490	47.7	896.1	1190.2	2,735	52.3	932.0	840.1
Wagoner	192	51.3	644.0	863.8	182	48.7	596.2	713.8
Washington	276	50.4	1166.2	1075.1	272	49.6	1065.7	694.9
Washita	59	45.4	1062.1	907.6	71	54.6	1203.6	692.7
Woods	58	45.7	1292.6	1129.2	69	54.3	1615.5	738.4
Woodward	94	52.5	1014.0	1063.7	85	47.5	925.0	684
Unknown	139	57.7	-	-	104	42.3	-	-

Table 34. 20 Leading Rankable Causes of Death among Whites: Oklahoma, 1999-2002

(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)	39,765	11,248,345	353.5	299.2	70,508
2 Malignant neoplasms (C00-C97)	26,055	11,248,345	231.6	200.4	82,947
3 Cerebrovascular diseases (I60-I69)	8,708	11,248,345	77.4	65.1	11,462
4 Chronic lower respiratory diseases (J40-J47)	7,055	11,248,345	62.7	53.4	8,161
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	5,193	11,248,345	46.2	43.8	101,196
6 Influenza and pneumonia (J10-J18)	3,397	11,248,345	30.2	25.3	4,922
7 Diabetes mellitus (E10-E14)	3,121	11,248,345	27.7	23.9	9,191
8 Alzheimer's disease (G30)	2,444	11,248,345	21.7	18.0	206
9 Intentional self-harm (suicide) (X60-X84,Y87.0)	1,725	11,248,345	15.3	15.1	38,136
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,665	11,248,345	14.8	12.5	3,281
11 Atherosclerosis (I70)	1,477	11,248,345	13.1	10.9	611
12 Septicemia (A40-A41)	1,457	11,248,345	13.0	11.1	5,863
13 Chronic liver disease and cirrhosis (K70,K73-K74)	1,191	11,248,345	10.6	9.6	9,604
14 Pneumonitis due to solids and liquids (J69)	945	11,248,345	8.4	7.0	950
15 Aortic aneurysm and dissection (I71)	742	11,248,345	6.6	5.6	1,358
16 Parkinson's disease (G20-G21)	721	11,248,345	6.4	5.4	62
17 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	714	11,248,345	6.3	5.4	1,154
18 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	659	11,248,345	5.9	5.1	2,509
19 Assault (homicide) (X85-Y09,Y87.1)	504	11,248,345	4.5	4.5	14,352
20 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	492	11,248,345	4.4	4.4	22,198

Table 35. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among Whites: Oklahoma, 1999-2002

(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)	5,193	11,248,345	46.2	43.8	101,196
2 Malignant neoplasms (C00-C97)	26,055	11,248,345	231.6	200.4	82,947
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	39,765	11,248,345	353.5	299.2	70,508
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	1,725	11,248,345	15.3	15.1	38,136
5 Certain conditions originating in the perinatal period (P00-P96)	410	11,248,345	3.6	3.8	26,154
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	492	11,248,345	4.4	4.4	22,198
7 Assault (homicide) (X85-Y09,Y87.1)	504	11,248,345	4.5	4.5	14,352
8 Cerebrovascular diseases (I60-I69)	8,708	11,248,345	77.4	65.1	11,462
9 Chronic liver disease and cirrhosis (K70,K73-K74)	1,191	11,248,345	10.6	9.6	9,604
10 Diabetes mellitus (E10-E14)	3,121	11,248,345	27.7	23.9	9,191
11 Chronic lower respiratory diseases (J40-J47)	7,055	11,248,345	62.7	53.4	8,161
12 Human immunodeficiency virus (HIV) disease (B20-B24)	282	11,248,345	2.5	2.6	6,651
13 Septicemia (A40-A41)	1,457	11,248,345	13	11.1	5,863
14 Influenza and pneumonia (J10-J18)	3,397	11,248,345	30.2	25.3	4,922
15 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	1,665	11,248,345	14.8	12.5	3,281
16 Viral hepatitis (B15-B19)	258	11,248,345	2.3	2.1	2,979
17 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	659	11,248,345	5.9	5.1	2,509
18 Legal intervention (Y35,Y89.0)	51	11,248,345	0.5	0.5	1,472
19 Aortic aneurysm and dissection (I71)	742	11,248,345	6.6	5.6	1,358
20 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	714	11,248,345	6.3	5.4	1,154

Table 36. 20 Leading Rankable Causes of Death among African Americans: Oklahoma, 1999-2002

(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)	2,567	1,131,321	226.9	361.0	11,174
2 Malignant neoplasms (C00-C97)	1,829	1,131,321	161.7	257.5	8,379
3 Cerebrovascular diseases (I60-I69)	611	1,131,321	54	87.6	2,592
4 Diabetes mellitus (E10-E14)	394	1,131,321	34.8	55.7	1,686
5 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	379	1,131,321	33.5	40.7	8,909
6 Chronic lower respiratory diseases (J40-J47)	239	1,131,321	21.1	34.5	960
7 Assault (homicide) (X85-Y09,Y87.1)	211	1,131,321	18.7	18.1	7,246
8 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	192	1,131,321	17	26.9	1,001
9 Influenza and pneumonia (J10-J18)	162	1,131,321	14.3	23.0	700
10 Septicemia (A40-A41)	130	1,131,321	11.5	17.5	1,176
11 Certain conditions originating in the perinatal period (P00-P96)	121	1,131,321	10.7	7.7	7,863
12 Alzheimer's disease (G30)	105	1,131,321	9.3	15.9	19
13 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	105	1,131,321	9.3	15.0	466
14 Atherosclerosis (I70)	88	1,131,321	7.8	13.1	42
15 Human immunodeficiency virus (HIV) disease (B20-B24)	83	1,131,321	7.3	8.7	1,750
16 Chronic liver disease and cirrhosis (K70,K73-K74)	75	1,131,321	6.6	8.8	986
17 Intentional self-harm (suicide) (X60-X84,Y87.0)	75	1,131,321	6.6	7.1	2,220
18 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	66	1,131,321	5.8	4.9	3,541
19 Pneumonitis due to solids and liquids (J69)	38	1,131,321	3.4	5.7	62
20 Aortic aneurysm and dissection (I71)	35	1,131,321	3.1	4.8	274

Table 37. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among African Americans: Oklahoma, 1999-2002

(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)	2,567	1,131,321	226.9	361.0	11,174
2 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	379	1,131,321	33.5	40.7	8,909
3 Malignant neoplasms (C00-C97)	1,829	1,131,321	161.7	257.5	8,379
4 Certain conditions originating in the perinatal period (P00-P96)	121	1,131,321	10.7	7.7	7,863
5 Assault (homicide) (X85-Y09,Y87.1)	211	1,131,321	18.7	18.1	7,246
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	66	1,131,321	5.8	4.9	3,541
7 Cerebrovascular diseases (I60-I69)	611	1,131,321	54	87.6	2,592
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	75	1,131,321	6.6	7.1	2,220
9 Human immunodeficiency virus (HIV) disease (B20-B24)	83	1,131,321	7.3	8.7	1,750
10 Diabetes mellitus (E10-E14)	394	1,131,321	34.8	55.7	1,686
11 Septicemia (A40-A41)	130	1,131,321	11.5	17.5	1,176
12 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	192	1,131,321	17	26.9	1,001
13 Chronic liver disease and cirrhosis (K70,K73-K74)	75	1,131,321	6.6	8.8	986
14 Chronic lower respiratory diseases (J40-J47)	239	1,131,321	21.1	34.5	960
15 Influenza and pneumonia (J10-J18)	162	1,131,321	14.3	23.0	700
16 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	105	1,131,321	9.3	15.0	466
17 Legal intervention (Y35,Y89.0)	16	1,131,321	1.4	1.4	466
18 Anemias (D50-D64)	33	1,131,321	2.9	4.3	387
19 Aortic aneurysm and dissection (I71)	35	1,131,321	3.1	4.8	274
20 Pregnancy, childbirth and the puerperium (O00-O99)	6	1,131,321	0.5	0.5	250

Table 38. 20 Leading Rankable Causes of Death among American Indians: Oklahoma, 1999-2002

(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)	1,562	1,246,116	125.3	216.9	6,058
2 Malignant neoplasms (C00-C97)	1,219	1,246,116	97.8	156.1	5,958
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	497	1,246,116	39.9	45.9	13,427
4 Diabetes mellitus (E10-E14)	471	1,246,116	37.8	61.2	1,948
5 Cerebrovascular diseases (I60-I69)	332	1,246,116	26.6	48.0	1,110
6 Chronic lower respiratory diseases (J40-J47)	212	1,246,116	17	29.8	497
7 Chronic liver disease and cirrhosis (K70,K73-K74)	201	1,246,116	16.1	21.3	2,389
8 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	144	1,246,116	11.6	18.7	778
9 Influenza and pneumonia (J10-J18)	143	1,246,116	11.5	21.3	636
10 Intentional self-harm (suicide) (X60-X84,Y87.0)	106	1,246,116	8.5	9.2	3,036
11 Septicemia (A40-A41)	103	1,246,116	8.3	13.4	736
12 Assault (homicide) (X85-Y09,Y87.1)	83	1,246,116	6.7	6.9	2,759
13 Atherosclerosis (I70)	64	1,246,116	5.1	9.8	60
14 Alzheimer's disease (G30)	51	1,246,116	4.1	8.5	-
15 Essential (primary) hypertension and hypertensive renal disease (I10,I12)	47	1,246,116	3.8	7.0	119
16 Certain conditions originating in the perinatal period (P00-P96)	46	1,246,116	3.7	2.8	2,971
17 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	38	1,246,116	3	2.8	1,970
18 Pneumonitis due to solids and liquids (J69)	33	1,246,116	2.6	5.0	131
19 Human immunodeficiency virus (HIV) disease (B20-B24)	28	1,246,116	2.2	2.7	613
20 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	27	1,246,116	2.2	3.8	129

Table 39. 20 Leading Rankable Causes of Years of Potential Life Lost (YPLL) before Age 65 among American Indians: Oklahoma, 1999-2002

(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)	497	1,246,116	39.9	45.9	13,427
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	1,562	1,246,116	125.3	216.9	6,058
3 Malignant neoplasms (C00-C97)	1,219	1,246,116	97.8	156.1	5,958
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	106	1,246,116	8.5	9.2	3,036
5 Certain conditions originating in the perinatal period (P00-P96)	46	1,246,116	3.7	2.8	2,971
6 Assault (homicide) (X85-Y09,Y87.1)	83	1,246,116	6.7	6.9	2,759
7 Chronic liver disease and cirrhosis (K70,K73-K74)	201	1,246,116	16.1	21.3	2,389
8 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	38	1,246,116	3	2.8	1,970
9 Diabetes mellitus (E10-E14)	471	1,246,116	37.8	61.2	1,948
10 Cerebrovascular diseases (I60-I69)	332	1,246,116	26.6	48.0	1,110
11 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	144	1,246,116	11.6	18.7	778
12 Septicemia (A40-A41)	103	1,246,116	8.3	13.4	736
13 Influenza and pneumonia (J10-J18)	143	1,246,116	11.5	21.3	636
14 Human immunodeficiency virus (HIV) disease (B20-B24)	28	1,246,116	2.2	2.7	613
15 Chronic lower respiratory diseases (J40-J47)	212	1,246,116	17	29.8	497
16 Viral hepatitis (B15-B19)	22	1,246,116	1.8	2.4	319
17 Legal intervention (Y35,Y89.0)	9	1,246,116	0.7	0.8	220
18 Acute bronchitis and bronchiolitis (J20-J21)	3	1,246,116	++	++	187
19 Pneumonitis due to solids and liquids (J69)	33	1,246,116	2.6	5.0	131
20 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	27	1,246,116	2.2	3.8	129

++ 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, 2002

County	Total	Race of decedent					Hispanic
		White	Black	Indian	Other	Unknown	
State	35,346	31,019	2,163	1,773	130	261	420
Adair	259	171	1	87	-	-	2
Alfalfa	64	63	1	-	-	-	
Atoka	148	131	11	6	-	-	
Beaver	54	53	-	1	-	-	
Beckham	257	253	3	1	-	-	3
Blaine	159	136	11	12	-	-	1
Bryan	390	371	-	18	-	1	3
Caddo	377	306	8	63	-	-	6
Canadian	643	619	9	12	3	-	9
Carter	614	546	31	35	2	-	4
Cherokee	403	290	5	107	1	-	1
Choctaw	202	155	30	17	-	-	1
Cimarron	49	49	-	-	-	-	3
Cleveland	1,315	1,250	24	27	13	1	25
Coal	74	70	1	3	-	-	
Comanche	863	709	91	45	17	1	22
Cotton	66	63	2	1	-	-	
Craig	183	159	9	14	-	1	1
Creek	744	681	23	38	2	-	3
Custer	312	288	9	15	-	-	8
Delaware	461	399	-	61	-	1	
Dewey	60	57	-	3	-	-	
Ellis	60	60	-	-	-	-	1
Garfield	742	719	14	5	4	-	8
Garvin	372	352	11	9	.	-	
Grady	470	441	17	10	1	1	4
Grant	69	68	-	1	-	-	1
Greer	86	86	-	-	-	-	
Harmon	55	50	5	-	-	-	3
Harper	63	63	-	-	-	-	1
Haskell	190	179	2	9	-	-	
Hughes	213	187	5	21	-	-	1
Jackson	251	238	11	1	1	-	18
Jefferson	120	118	1	1	-	-	1
Johnston	144	123	3	18	-	-	
Kay	641	580	11	49	-	1	3
Kingfisher	149	146	1	2	-	-	2
Kiowa	175	164	6	4	1	-	4
Latimer	124	112	-	12	-	-	
Leflore	566	513	12	39	2	-	4

Table 40. Number of deaths by the race of the decedent: Oklahoma and each County, 2002

<i>County</i>	<i>Total</i>	<i>Race of decedent</i>					<i>Hispanic</i>
		<i>White</i>	<i>Black</i>	<i>Indian</i>	<i>Other</i>	<i>Unknown</i>	
State	35,346	31,019	2,163	1,773	130	261	420
Lincoln	344	320	11	13	-	-	
Logan	334	300	26	6	1	1	2
Love	99	90	2	7	-	-	1
McClain	264	252	5	6	-	1	1
McCurtain	378	307	33	37	1	-	3
McIntosh	284	240	11	33	-	-	1
Major	101	100	-	-	-	1	
Marshall	181	171	5	5	-	.	2
Mayes	428	376	1	49	-	2	2
Murray	214	204	1	9	-	-	
Muskogee	854	670	120	64	-	-	4
Noble	132	124	4	4	-	-	
Nowata	133	110	7	16	-	-	1
Okfuskee	156	115	25	16	-	-	
Oklahoma	6,421	5,401	815	153	48	4	127
Okmulgee	465	382	49	34	-	-	5
Osage	364	312	12	40	-	-	1
Ottawa	394	349	-	44	-	1	3
Pawnee	189	176	-	12	1	-	1
Payne	561	538	12	11	-	-	5
Pittsburg	540	493	15	31	1	-	3
Pontotoc	433	379	10	44	-	-	1
Pottawatomie	709	656	7	44	2	-	4
Pushmataha	150	125	7	18	-	-	
Roger Mills	27	27	-	-	-	-	
Rogers	609	559	9	41	-	-	2
Seminole	309	248	26	35	-	-	
Sequoyah	441	405	13	23	-	-	
Stephens	565	547	11	5	1	1	3
Texas	136	134	-	1	1	-	7
Tillman	118	105	13	-	-	-	11
Tulsa	5,225	4,532	505	163	21	4	70
Wagoner	374	326	20	28	-	-	6
Washington	548	490	19	33	6	-	5
Washita	130	129	1	-	-	-	1
Woods	127	127	-	-	-	-	1
Woodward	179	179	-	-	-	-	3
Unknown	243	3	-	1	-	239	1

Table 41. 10 Leading Rankable Causes of Death among Infants (< 1 year of age): Oklahoma, 1999-2002

<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)	335	198,521	168.7	21,775
2 Disorders related to short gestation and low birth weight, not elsewhere classified(P07)	205	198,521	103.3	13,325
3 Sudden infant death syndrome(R95)	125	198,521	63.0	8,125
4 Diseases of the circulatory system(I00-I99)	66	198,521	33.2	4,290
5 Newborn affected by complications of placenta, cord and membranes(P02)	62	198,521	31.2	4,030
6 Newborn affected by maternal complications of pregnancy(P01)	56	198,521	28.2	3,640
7 Respiratory distress of newborn(P22)	51	198,521	25.7	3,315
8 Septicemia(A40-A41)	47	198,521	23.7	3,055
9 Accidents (unintentional injuries)(V01-X59)	47	198,521	23.7	3,055
10 Chronic respiratory disease originating in the perinatal period(P27)	29	198,521	14.6	1,885

Table 42. 10 Leading Rankable Causes of Death among residents age 1-4: Oklahoma, 1999-2002

<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)	112	751,471	14.9	7,026
2 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	32	751,471	4.3	2,030
3 Assault (homicide) (X85-Y09,Y87.1)	20	751,471	2.7	1,258
4 Malignant neoplasms (C00-C97)	18	751,471	2.4	1,124
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	10	751,471	1.3	627
6 Certain conditions originating in the perinatal period (P00-P96)	7	751,471	0.9	447
7 Septicemia (A40-A41)	6	751,471	0.8	382
8 Cerebrovascular diseases (I60-I69)	4	751,471	++	++
8 Influenza and pneumonia (J10-J18)	4	751,471	++	++
8 Meningitis (G00,G03)	4	751,471	++	++

Table 43. 10 Leading Rankable Causes of Death among residents age 5-9: Oklahoma, 1999-2002

<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)	90	957,930	9.4	5,221
2 Malignant neoplasms (C00-C97)	23	957,930	2.4	1,336
3 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	9	957,930	0.9	519
4 Assault (homicide) (X85-Y09,Y87.1)	6	957,930	0.6	347
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	5	957,930	0.5	288
6 Certain conditions originating in the perinatal period (P00-P96)	4	957,930	++	++
7 Cerebrovascular diseases (I60-I69)	3	957,930	++	++
7 Chronic lower respiratory diseases (J40-J47)	3	957,930	++	++
9 In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2	957,930	++	++
9 Influenza and pneumonia (J10-J18)	2	957,930	++	++

++ 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, 1999-2002

<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)	107	1,000,277	10.7	5,645
2 Malignant neoplasms (C00-C97)	24	1,000,277	2.4	1,273
3 Intentional self-harm (suicide) (X60-X84,Y87.0)	20	1,000,277	2.0	1,039
4 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	1,000,277	1.3	683
5 Assault (homicide) (X85-Y09,Y87.1)	8	1,000,277	0.8	423
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	8	1,000,277	0.8	420
7 Chronic lower respiratory diseases (J40-J47)	6	1,000,277	0.6	324
8 Influenza and pneumonia (J10-J18)	5	1,000,277	0.5	268
9 Septicemia (A40-A41)	3	1,000,277	++	++
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	2	1,000,277	++	++

Table 45. 10 Leading Rankable Causes of Residents among Children age 15-17: Oklahoma, 1999-2002

<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)	263	624,273	42.1	12,832
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	44	624,273	7.0	2,149
3 Assault (homicide) (X85-Y09,Y87.1)	29	624,273	4.6	1,411
4 Diseases of heart (I00-I09,I11,I13,I20-I51)	22	624,273	3.5	1,076
5 Malignant neoplasms (C00-C97)	18	624,273	2.9	884
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4	624,273	++	++
6 Legal intervention (Y35,Y89.0)	4	624,273	++	++
6 Septicemia (A40-A41)	4	624,273	++	++
9 Anemias (D50-D64)	2	624,273	++	++
9 Cerebrovascular diseases (I60-I69)	2	624,273	++	++

Table 46. 10 Leading Rankable Causes of Death among Residents age 18-19: Oklahoma, 1999-2002

<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)	224	439,669	50.9	10,418
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	57	439,669	13.0	2,650
3 Assault (homicide) (X85-Y09,Y87.1)	48	439,669	10.9	2,231
4 Malignant neoplasms (C00-C97)	14	439,669	3.2	653
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	9	439,669	2.0	419
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5	439,669	1.1	232
7 Cerebrovascular diseases (I60-I69)	3	439,669	++	++
7 Legal intervention (Y35,Y89.0)	3	439,669	++	++
9 Diabetes mellitus (E10-E14)	2	439,669	++	++
9 Influenza and pneumonia (J10-J18)	2	439,669	++	++

++ 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, 1999-2002

<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)	457	1,023,418	44.7	19,706
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	181	1,023,418	17.7	7,797
3 Assault (homicide) (X85-Y09,Y87.1)	127	1,023,418	12.4	5,457
4 Malignant neoplasms (C00-C97)	45	1,023,418	4.4	1,928
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	35	1,023,418	3.4	1,497
6 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	10	1,023,418	1.0	437
6 Diabetes mellitus (E10-E14)	10	1,023,418	1.0	427
8 Cerebrovascular diseases (I60-I69)	8	1,023,418	0.8	346
9 Influenza and pneumonia (J10-J18)	6	1,023,418	0.6	261
10 Anemias (D50-D64)	5	1,023,418	0.5	219

Table 48. 10 Leading Rankable Causes of Death among residents age 25-29: Oklahoma, 1999-2002

<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)	337	915,764	36.8	12,815
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	180	915,764	19.7	6,834
3 Assault (homicide) (X85-Y09,Y87.1)	95	915,764	10.4	3,628
4 Malignant neoplasms (C00-C97)	90	915,764	9.8	3,401
5 Diseases of heart (I00-I09,I11,I13,I20-I51)	48	915,764	5.2	1,811
6 Human immunodeficiency virus (HIV) disease (B20-B24)	16	915,764	1.7	601
7 Cerebrovascular diseases (I60-I69)	14	915,764	1.5	530
8 Diabetes mellitus (E10-E14)	12	915,764	1.3	455
9 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	8	915,764	0.9	304
10 Legal intervention (Y35,Y89.0)	8	915,764	0.9	299

Table 49. 10 Leading Rankable Causes of Death among Residents age 30-34: Oklahoma, 1999-2002

<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)	334	901,617	37.0	11,030
2 Intentional self-harm (suicide) (X60-X84,Y87.0)	171	901,617	19.0	5,633
3 Malignant neoplasms (C00-C97)	129	901,617	14.3	4,254
4 Diseases of heart (I00-I09,I11,I13,I20-I51)	105	901,617	11.6	3,488
5 Assault (homicide) (X85-Y09,Y87.1)	83	901,617	9.2	2,726
6 Human immunodeficiency virus (HIV) disease (B20-B24)	58	901,617	6.4	1,900
7 Cerebrovascular diseases (I60-I69)	20	901,617	2.2	656
8 Diabetes mellitus (E10-E14)	17	901,617	1.9	558
9 Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	13	901,617	1.4	426
10 Influenza and pneumonia (J10-J18)	11	901,617	1.2	363

++ 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, 1999-2002

<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	1,006,743	43.3	12,157
2 Malignant neoplasms (C00-C97)	285	1,006,743	28.3	7,884
3 Diseases of heart (I00-I09,I11,I13,I20-I51)	257	1,006,743	25.5	7,123
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	222	1,006,743	22.1	6,164
5 Human immunodeficiency virus (HIV) disease (B20-B24)	90	1,006,743	8.9	2,498
6 Assault (homicide) (X85-Y09,Y87.1)	75	1,006,743	7.4	2,083
7 Cerebrovascular diseases (I60-I69)	52	1,006,743	5.2	1,429
8 Chronic liver disease and cirrhosis (K70,K73-K74)	51	1,006,743	5.1	1,412
9 Diabetes mellitus (E10-E14)	46	1,006,743	4.6	1,264
10 Influenza and pneumonia (J10-J18)	27	1,006,743	2.7	745

Table 51. 10 Leading Rankable Causes of Death among residents age 40-44: Oklahoma, 1999-2002

<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)	555	1,060,005	52.4	12,665
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	550	1,060,005	51.9	12,479
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	463	1,060,005	43.7	10,650
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	203	1,060,005	19.2	4,684
5 Chronic liver disease and cirrhosis (K70,K73-K74)	114	1,060,005	10.8	2,587
6 Cerebrovascular diseases (I60-I69)	107	1,060,005	10.1	2,425
7 Diabetes mellitus (E10-E14)	94	1,060,005	8.9	2,147
8 Human immunodeficiency virus (HIV) disease (B20-B24)	86	1,060,005	8.1	1,977
9 Assault (homicide) (X85-Y09,Y87.1)	78	1,060,005	7.4	1,834
10 Viral hepatitis (B15-B19)	41	1,060,005	3.9	924

Table 52. 10 Leading Rankable Causes of Death among Residents age 45-49: Oklahoma, 1999-2002

<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)	968	980,986	98.7	17,368
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	928	980,986	94.6	16,585
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	413	980,986	42.1	7,467
4 Chronic liver disease and cirrhosis (K70,K73-K74)	200	980,986	20.4	3,587
4 Intentional self-harm (suicide) (X60-X84,Y87.0)	200	980,986	20.4	3,615
6 Cerebrovascular diseases (I60-I69)	140	980,986	14.3	2,507
7 Diabetes mellitus (E10-E14)	134	980,986	13.7	2,359
8 Chronic lower respiratory diseases (J40-J47)	82	980,986	8.4	1,429
9 Viral hepatitis (B15-B19)	69	980,986	7.0	1,259
10 Human immunodeficiency virus (HIV) disease (B20-B24)	56	980,986	5.7	1,031

++ 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, 1999-2002

<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)	1,492	870,313	171.4	19,085
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	1,377	870,313	158.2	17,622
3 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	311	870,313	35.7	4,083
4 Chronic liver disease and cirrhosis (K70,K73-K74)	237	870,313	27.2	3,094
5 Diabetes mellitus (E10-E14)	209	870,313	24.0	2,651
6 Cerebrovascular diseases (I60-I69)	186	870,313	21.4	2,394
7 Chronic lower respiratory diseases (J40-J47)	151	870,313	17.4	1,930
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	150	870,313	17.2	1,987
9 Viral hepatitis (B15-B19)	53	870,313	6.1	686
10 Influenza and pneumonia (J10-J18)	50	870,313	5.7	644

Table 54. 10 Leading Rankable Causes of Death among residents age 55-59: Oklahoma, 1999-2002

<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)	2,241	712,990	314.3	17,664
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	1,921	712,990	269.4	15,055
3 Chronic lower respiratory diseases (J40-J47)	282	712,990	39.6	2,160
4 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	273	712,990	38.3	2,199
5 Cerebrovascular diseases (I60-I69)	250	712,990	35.1	1,965
6 Diabetes mellitus (E10-E14)	234	712,990	32.8	1,836
7 Chronic liver disease and cirrhosis (K70,K73-K74)	166	712,990	23.3	1,324
8 Intentional self-harm (suicide) (X60-X84,Y87.0)	102	712,990	14.3	819
9 Influenza and pneumonia (J10-J18)	83	712,990	11.6	661
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	75	712,990	10.5	571

Table 55. 10 Leading Rankable Causes of Death among Residents age 60-64: Oklahoma, 1999-2002

<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)	2,867	587,361	488.1	8,288
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	2,483	587,361	422.7	7,229
3 Chronic lower respiratory diseases (J40-J47)	551	587,361	93.8	1,596
4 Cerebrovascular diseases (I60-I69)	321	587,361	54.7	920
5 Diabetes mellitus (E10-E14)	315	587,361	53.6	920
6 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	223	587,361	38.0	683
7 Chronic liver disease and cirrhosis (K70,K73-K74)	157	587,361	26.7	464
8 Septicemia (A40-A41)	101	587,361	17.2	302
9 Influenza and pneumonia (J10-J18)	97	587,361	16.5	267
10 Intentional self-harm (suicide) (X60-X84,Y87.0)	81	587,361	13.8	268

++ 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, 1999-2002

<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)	3,634	518,501	700.9	-
2 Diseases of heart (I00-I09,I11,I13,I20-I51)	3,183	518,501	613.9	-
3 Chronic lower respiratory diseases (J40-J47)	887	518,501	171.1	-
4 Cerebrovascular diseases (I60-I69)	525	518,501	101.3	-
5 Diabetes mellitus (E10-E14)	411	518,501	79.3	-
6 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	241	518,501	46.5	-
7 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	159	518,501	30.7	-
8 Chronic liver disease and cirrhosis (K70,K73-K74)	156	518,501	30.1	-
9 Influenza and pneumonia (J10-J18)	148	518,501	28.5	-
9 Septicemia (A40-A41)	148	518,501	28.5	-

Table 57. 10 Leading Rankable Causes of Death among residents age 70-74: Oklahoma, 1999-2002

<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)	4,444	451,361	984.6	-
2 Malignant neoplasms (C00-C97)	4,417	451,361	978.6	-
3 Chronic lower respiratory diseases (J40-J47)	1,262	451,361	279.6	-
4 Cerebrovascular diseases (I60-I69)	821	451,361	181.9	-
5 Diabetes mellitus (E10-E14)	506	451,361	112.1	-
6 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	313	451,361	69.3	-
7 Influenza and pneumonia (J10-J18)	261	451,361	57.8	-
8 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	188	451,361	41.7	-
9 Septicemia (A40-A41)	163	451,361	36.1	-
10 Aortic aneurysm and dissection (I71)	145	451,361	32.1	-

Table 58. 10 Leading Rankable Causes of Death among Residents age 75-79: Oklahoma, 1999-2002

<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)	6,091	375,053	1624.0	-
2 Malignant neoplasms (C00-C97)	4,751	375,053	1266.8	-
3 Chronic lower respiratory diseases (J40-J47)	1,523	375,053	406.1	-
4 Cerebrovascular diseases (I60-I69)	1,444	375,053	385.0	-
5 Diabetes mellitus (E10-E14)	642	375,053	171.2	-
6 Influenza and pneumonia (J10-J18)	442	375,053	117.9	-
7 Alzheimer's disease (G30)	346	375,053	92.3	-
8 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	344	375,053	91.7	-
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	311	375,053	82.9	-
10 Septicemia (A40-A41)	235	375,053	62.7	-

++ 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, 1999-2002

<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)	7,078	254,171	2784.7	-
2 Malignant neoplasms (C00-C97)	3,731	254,171	1467.9	-
3 Cerebrovascular diseases (I60-I69)	1,825	254,171	718.0	-
4 Chronic lower respiratory diseases (J40-J47)	1,320	254,171	519.3	-
5 Influenza and pneumonia (J10-J18)	624	254,171	245.5	-
6 Diabetes mellitus (E10-E14)	600	254,171	236.1	-
7 Alzheimer's disease (G30)	575	254,171	226.2	-
8 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	371	254,171	146.0	-
9 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	319	254,171	125.5	-
10 Atherosclerosis (I70)	314	254,171	123.5	-

Table 60. 10 Leading Rankable Causes of Death among residents age 85+: Oklahoma, 1999-2002

<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)	15,442	230,747	6692.2	-
2 Cerebrovascular diseases (I60-I69)	3,944	230,747	1709.2	-
3 Malignant neoplasms (C00-C97)	3,942	230,747	1708.4	-
4 Influenza and pneumonia (J10-J18)	1,846	230,747	800.0	-
5 Alzheimer's disease (G30)	1,443	230,747	625.4	-
6 Chronic lower respiratory diseases (J40-J47)	1,393	230,747	603.7	-
7 Atherosclerosis (I70)	886	230,747	384.0	-
8 Diabetes mellitus (E10-E14)	765	230,747	331.5	-
9 Accidents (unintentional injuries) (V01-X59,Y85-Y86)	757	230,747	328.1	-
10 Nephritis, nephrotic syndrome and nephrosis (N00-N07,N17-N19,N25-N27)	723	230,747	313.3	-

++ 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, 2002

(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	1-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70-79 years	80+ years			
State	35,344	406	103	262	538	777	1,902	3,254	4,996	8,444	14,597	65	1011.7	997.9
Adair	259	5	3	5	6	12	13	29	38	65	83	-	1212.5	1377.5
Alfalfa	64	-	-	-	-	1	1	2	7	21	32	-	1085.1	677.1
Atoka	148	2	-	1	5	4	8	15	21	40	52	-	1057.9	993.7
Beaver	54	-	-	1	2	-	3	4	6	14	24	-	968.6	752.1
Beckham	257	3	-	5	1	8	10	21	32	52	125	-	1293.5	1095.1
Blaine	159	2	-	1	3	4	5	13	18	26	87	-	1316.0	1017.8
Bryan	390	2	-	3	3	9	27	35	42	89	180	-	1053.0	932.1
Caddo	377	6	1	1	7	10	21	45	57	72	157	-	1256.7	1118.8
Canadian	643	5	1	3	10	11	36	56	110	156	255	-	703.2	912.0
Carter	614	2	1	3	10	9	35	50	98	146	260	-	1329.0	1122.0
Cherokee	403	3	-	4	1	10	25	47	61	90	162	-	928.2	1036.2
Choctaw	202	7	-	3	4	5	8	16	30	34	95	-	1332.9	1064.8
Cimarron	49	-	1	-	1	1	2	5	5	12	22	-	1631.2	1164.2
Cleveland	1,315	18	6	5	24	31	88	140	216	310	477	-	609.8	876.9
Coal	74	4	-	-	-	4	2	9	13	18	24	-	1251.5	1118.6
Comanche	863	19	5	5	15	24	48	94	118	214	321	-	760.9	990.3
Cotton	66	2	-	-	-	1	3	2	5	20	33	-	1020.9	745.8
Craig	183	-	-	1	3	5	10	13	22	38	91	-	1253.2	1004.2
Creek	744	9	3	11	9	20	38	86	110	168	290	-	1080.8	1101.9
Custer	312	3	1	3	3	4	17	34	45	78	124	-	1238.7	1160.1
Delaware	461	1	1	2	6	10	21	42	74	130	174	-	1219.2	1014.4
Dewey	60	-	-	-	2	1	3	2	6	14	32	-	1301.8	851.8
Ellis	60	-	1	-	-	-	-	6	4	18	31	-	1512.5	872.2
Garfield	742	8	2	2	6	10	28	54	93	165	374	-	1296.2	1033.1
Garvin	372	2	-	5	3	4	12	26	59	78	183	-	1368.9	1020.7
Grady	470	3	4	6	7	10	21	46	69	110	194	-	1007.2	1008.3
Grant	69	-	-	-	-	2	3	5	8	19	32	-	1371.8	916.9
Greer	86	-	1	1	-	4	3	6	11	20	40	-	1486.1	1033.7
Harmon	55	1	-	1	1	-	3	4	8	4	33	-	1786.9	1114.5
Harper	63	2	-	-	2	-	1	3	7	20	28	-	1820.3	1174.8
Haskell	190	4	-	-	2	5	4	19	31	47	78	-	1620.3	1305.1
Hughes	213	3	-	-	2	4	3	17	26	61	97	-	1520.5	1094.6
Jackson	251	3	-	3	6	5	5	14	37	50	128	-	918.3	966.1
Jefferson	120	1	-	-	-	-	1	14	22	21	61	-	1824.0	1151.3
Johnston	144	-	-	2	3	6	6	15	23	30	59	-	1377.5	1155.6
Kay	641	9	3	6	11	9	34	46	92	163	268	-	1344.4	1073.5
Kingfisher	149	-	-	-	1	1	10	14	20	31	72	-	1085.1	923.8
Kiowa	175	2	-	1	-	3	2	16	24	46	81	-	1762.9	1216.4
Latimer	124	1	-	2	1	1	7	14	11	34	53	-	1176.8	1014.6
Leflore	566	5	5	4	10	13	38	52	89	140	210	-	1168.6	1129.9

-Denote no events in that category

Table 61. Number of deaths by the age of the decedent: Oklahoma and each County, 2002

(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	1-9 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70-79 years	80+ years			
State	35,344	406	103	262	538	777	1,902	3,254	4,996	8,444	14,597	65	1011.7	997.9
Lincoln	344	4	2	3	5	5	18	34	48	82	143	-	1066.2	1023.6
Logan	334	4	1	-	7	8	13	27	51	89	134	-	967.4	1041.4
Love	99	-	-	-	-	3	6	9	16	29	36	-	1111.0	884.8
McClain	264	1	-	2	2	3	13	33	42	64	103	1	935.0	961.6
McCurtain	378	2	-	4	4	8	23	48	51	96	142	-	1105.7	1058.0
McIntosh	284	5	1	1	3	5	8	19	46	72	124	-	1439.0	1012.5
Major	101	-	1	1	-	1	3	7	11	22	55	-	1347.0	913.3
Marshall	181	2	-	-	2	5	7	18	32	48	67	-	1336.1	1020.5
Mayer	428	2	1	3	6	14	26	31	64	114	167	-	1101.4	999.4
Murray	214	2	-	-	3	4	8	24	25	55	93	-	1694.2	1283.0
Muskogee	854	6	4	6	12	11	45	67	128	196	379	-	1220.4	1061.5
Noble	132	-	-	-	-	-	5	15	18	30	64	-	1167.1	964.3
Nowata	133	1	-	1	-	2	6	13	17	33	60	-	1237.6	979.1
Okfuskee	156	1	1	-	3	2	9	12	25	39	64	-	1337.0	1113.6
Oklahoma	6,421	88	20	43	111	159	421	627	848	1,631	2,473	-	954.8	1007.3
Okmulgee	465	10	-	3	9	7	21	38	66	127	184	-	1167.7	1044.7
Osage	364	4	-	2	5	10	14	34	62	90	143	-	805.9	796.6
Ottawa	394	4	-	3	9	7	13	35	49	85	189	-	1192.5	1011.4
Pawnee	189	-	1	-	4	3	13	14	28	45	81	-	1122.9	999.6
Payne	561	6	-	6	5	11	30	39	62	125	277	-	802.4	924.8
Pittsburg	540	4	1	6	6	12	31	50	80	113	237	-	1227.1	989.6
Pontotoc	433	2	1	6	8	14	21	26	67	106	182	-	1241.8	1130.0
Pottawatomie	709	8	4	4	12	16	26	54	109	161	315	-	1062.3	1044.8
Pushmataha	150	1	1	-	1	1	6	14	23	39	64	-	1281.6	966.9
Roger Mills	27	-	1	-	-	-	2	-	4	7	13	-	843.0	558.2
Rogers	609	4	-	6	13	10	27	66	105	142	236	-	805.9	931.9
Seminole	309	2	2	2	5	6	17	34	50	88	103	-	1249.2	1047.6
Sequoyah	441	5	1	6	3	8	25	47	71	101	174	-	1106.6	1104.6
Stephens	565	4	3	5	7	10	23	29	80	145	259	-	1325.1	1019.3
Texas	136	-	1	1	5	8	12	8	20	28	53	-	674.2	838.6
Tillman	118	1	-	1	2	-	8	10	13	24	59	-	1313.4	890.3
Tulsa	5,223	82	12	38	93	127	306	514	681	1,194	2,176	-	914.5	986.4
Wagoner	374	6	-	1	10	12	27	40	80	89	109	-	619.8	791.3
Washington	548	3	2	13	4	8	19	49	71	131	248	-	1114.1	859.4
Washita	130	2	1	1	1	2	4	5	18	32	64	-	1135.0	800.0
Woods	127	-	-	-	-	1	3	3	14	32	74	-	1450.1	890.9
Woodward	179	2	2	-	1	2	15	13	19	40	85	-	969.7	858.9
Unknown	243	1	-	4	7	11	23	17	34	36	46	64	-	-

-Denote no events in that category

Table 62. Number of infant deaths by cause of death: Oklahoma, 2002

<i>Cause of death by ICD-10 Code</i>	<i>Total</i>
All deaths	406
Certain Infectious & Parasitic Disease (A00-B99)	20
Septicemia(A40-A41)	15
Other and unspecified viral diseases(A81-B00,B02-B04,B06-B19,B25,B27-B34)	5
Neoplasms (C00-D48)	4
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)	3
Diseases of the Blood & Blood-Forming Organs & Certain Disorders Involving the Immune Mechanism (D50-D89)	1
Anemias(D50-D64)	1
Endocrine, Nutritional, & Metabolic Diseases (E00-E88)	6
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)	4
Diseases of the Nervous System (G00-G98)	6
Meningitis(G00,G03)	2
Infantile cerebral palsy(G80)	1
Anoxic brain damage, not elsewhere classified(G93.1)	1
Other diseases of nervous system(G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)	2
Diseases of the Circulatory System (I00-I99)	18
Cardiac arrest(I46)	1
Cerebrovascular diseases(I60-I69)	11
All other diseases of circulatory system(I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)	6
Diseases of the Respiratory System (J00-J98)	12
Pneumonia(J12-J18)	2
Acute bronchitis and acute bronchiolitis(J20-J21)	2
Other and unspecified diseases of respiratory system(J22,J30-J39,J43-J44,J47-J68,J70-J98)	8
Diseases of the Digestive System (K00-K92)	14
Gastritis, duodenitis, and noninfective enteritis and colitis(K29,K50-K55)	7
Hernia of abdominal cavity and intestinal obstruction without hernia(K40-K46,K56)	1
All other and unspecified diseases of digestive system(K00-K28,K30-K38,K57-K92)	6
Disease of the Genitourinary System (N00-N98)	4
Renal failure and other disorders of kidney(N17-N19,N25,N27)	4
Certain Conditions Originating in the Perinatal Period (P00-P96)	144
Newborn affected by incompetent cervix(P01.0)	3
Newborn affected by premature rupture of membranes(P01.1)	8
Newborn affected by multiple pregnancy(P01.5)	1
Newborn affected by other maternal complications of pregnancy(P01.2-P01.4,P01.6-P01.9)	3
Newborn affected by complications involving placenta(P02.0-P02.3)	14
Newborn affected by complications involving cord(P02.4-P02.6)	2
Newborn affected by chorioamnionitis(P02.7)	4
Newborn affected by other complications of labor and delivery(P03)	1
Extremely low birth weight or extreme immaturity(P07.0,P07.2)	36
Other low birth weight or preterm(P07.1,P07.3)	18
Birth trauma(P10-P15)	1
Intrauterine hypoxia(P20)	1
Birth asphyxia(P21)	3

Table 62. Number of infant deaths by cause of death: Oklahoma, 2002

<i>Cause of death by ICD-10 Code</i>	<i>Total</i>
All deaths	406
Certain Conditions Originating in the Perinatal Period (P00-P96) Continued	
Respiratory distress of newborn(P22)	9
Interstitial emphysema and related conditions originating in the perinatal period(P25)	2
Chronic respiratory disease originating in the perinatal period(P27)	6
Atelectasis(P28.0-P28.1)	5
Bacterial sepsis of newborn(P36)	5
All other infections specific to the perinatal period(P35,P37,P39)	2
Neonatal hemorrhage(P50-P52,P54)	1
Hematological disorders(P60-P61)	2
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus(P70.0-P70.2)	1
Hydrops fetalis not due to hemolytic disease(P83.2)	1
Other perinatal conditions(P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)	15
Congenital Malformations, Deformations, & Chromosomal Abnormalities (Q00-Q99)	88
Anencephaly and similar malformations(Q00)	3
Congenital hydrocephalus(Q03)	5
Other congenital malformations of nervous system(Q01-Q02,Q04,Q06-Q07)	3
Congenital malformations of heart(Q20-Q24)	24
Other congenital malformations of circulatory system(Q25-Q28)	4
Congenital malformations of respiratory system(Q30-Q34)	8
Congenital malformations of digestive system(Q35-Q45)	1
Congenital malformations of genitourinary system(Q50-Q64)	4
Congenital malformations and deformations of musculoskeletal system, limbs and integument(Q65-Q85)	9
Down s syndrome(Q90)	1
Edward s syndrome(Q91.0-Q91.3)	5
Patau s syndrome(Q91.4-Q91.7)	4
Other congenital malformations and deformations(Q10-Q18,Q86-Q89)	14
Other chromosomal abnormalities, not elsewhere classified(Q92-Q99)	3
Symptoms, Signs, & Abnormal Clinical & Laboratory Findings,	78
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	41
Sudden infant death syndrome(R95)	34
Unknown cause	3
External Causes of Morbidity & Mortality (V01-Y89)	11
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)	1
Accidental suffocation and strangulation in bed(W75)	2
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract(W78-W80)	1
Accidents caused by exposure to smoke, fire and flames(X00-X09)	1
Neglect, abandonment and other maltreatment syndromes(Y06-Y07)	3
Assault (homicide) by other and unspecified means(X85-X90,X92,X96-Y05,Y08-Y09)	2
Other external causes(X60-X84,Y10-Y36)	1

Table 63. Infant, neonatal, post-neonatal, fetal, and perinatal mortality: Oklahoma and each County, 1998-2002

NOTE: See definitions for explanation of rates.

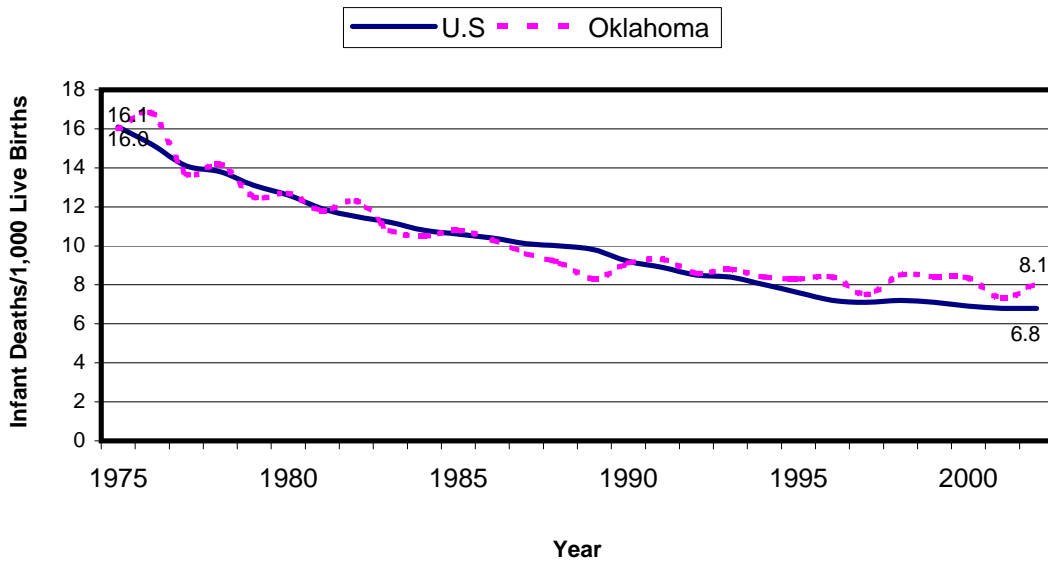
County	Infant		Neonatal		Post-Neonatal		Fetal		Perinatal	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
State	2,019	8.1	1,220	4.9	799	3.2	1,598	6.4	2,818	11.4
Adair	18	10.2	12	6.8	6	3.4	9	5.1	21	11.8
Alfalfa	-	-	-	-	-	-	1	4.7	1	4.7
Atoka	8	10.0	3	3.8	5	6.3	5	6.3	8	10.0
Beaver	1	3.2	1	3.2	-	-	-	-	1	3.2
Beckham	10	7.2	7	5.1	3	2.2	8	5.8	15	10.9
Blaine	5	7.1	3	4.3	2	2.9	6	8.6	9	12.9
Bryan	13	5.3	5	2.0	8	3.2	10	4.0	15	6.1
Caddo	24	11.5	15	7.2	9	4.3	14	6.7	29	13.9
Canadian	51	9.3	31	5.7	20	3.6	30	5.5	61	11.1
Carter	17	5.2	12	3.6	5	1.5	26	7.9	38	11.5
Cherokee	14	4.6	6	2.0	8	2.6	18	5.9	24	7.9
Choctaw	13	12.0	6	5.5	7	6.4	6	5.5	12	11.0
Cimarron	1	6.0	-	-	1	6.0	-	-	0	0.0
Cleveland	79	6.4	46	3.7	33	2.7	56	4.5	102	8.3
Coal	7	17.3	3	7.4	4	9.9	7	17.3	10	24.7
Comanche	75	7.7	51	5.3	24	2.5	48	4.9	99	10.2
Cotton	3	8.0	2.0	5.3	1	2.7	2	5.3	4	10.6
Craig	8	8.4	6	6.3	2.0	2.1	8	8.4	14	14.7
Creek	36	8.1	21	4.7	15	3.4	28	6.3	49	11.1
Custer	12	6.8	9	5.1	3	1.7	8	4.5	17	9.6
Delaware	12	5.6	7	3.2	5	2.3	5	2.3	12	5.6
Dewey	3	11.9	1	4.0	2	7.9	4	15.8	5	19.8
Ellis	1	4.9	1	4.9	-	-	2	9.7	3	14.6
Garfield	43	10.4	27	6.5	16	3.9	34	8.2	61	14.8
Garvin	15	8.2	10	5.4	5	2.7	14	7.6	24	13.1
Grady	18	6.1	11	3.7	7	2.4	20	6.8	31	10.5
Grant	2	7.8	-	-	2	7.8	-	-	-	-
Greer	1	3.1	-	-	1.0	3.1	3	9.3	3	9.3
Harmon	1	5.2	1.0	5.2	-	-	2	10.3	3	15.5
Harper	2	10.1	1.0	5.0	1.0	5.0	1	5.0	2	10.1
Haskell	9	11.5	4	5.1	5	6.4	2	2.5	6	7.6
Hughes	12	14.0	7	8.1	5	5.8	4	4.7	11	12.8
Jackson	12	5.1	9	3.8	3	1.3	9	3.8	18	7.6
Jefferson	4	10.8	2	5.4	2	5.4	1	2.7	3	8.1
Johnston	3	4.9	1	1.6	2	3.2	6	9.7	7	11.4
Kay	29	8.3	18	5.1	11	3.1	31	8.8	49	14.0
Kingfisher	3	3.1	0	-	3	3.1	8	8.4	8	8.4
Kiowa	13	19.8	8	12.2	5	7.6	3	4.6	11	16.7
Latimer	4	6.3	4	6.3	-	-	2	3.1	6	9.4
Leflore	25	7.3	12	3.5	13	3.8	10	2.9	22	6.4

Table 63. Infant, neonatal, post-neonatal, fetal, and perinatal mortality: Oklahoma and each County, 1998-2002

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	2,019	8.1	1,220	4.9	799	3.2	1,598	6.4	2,818	11.4
Lincoln	15	7.6	10	5.1	5	2.5	15	7.6	25	12.7
Logan	18	9.5	9	4.8	9	4.8	10	5.3	19	10.0
Love	5	9.3	3	5.6	2	3.7	4	7.4	7	13.0
McClain	19	10.2	15	8.1	4	2.1	9	4.8	24	12.9
McCurtain	16	6.2	10	3.9	6	2.3	18	7.0	28	10.9
McIntosh	13	12.0	8	7.4	5	4.6	4	3.7	12	11.1
Major	5	13.3	2.0	5.3	3	8.0	1	2.7	3	8.0
Marshall	6	7.0	4	4.7	2	2.3	6	7.0	10	11.7
Mayer	18	6.7	7	2.6	11	4.1	19	7.1	26	9.7
Murray	6	7.5	3	3.7	3	3.7	4	5.0	7	8.7
Muskogee	36	7.1	9	1.8	27	5.3	43	8.5	52	10.3
Noble	1	1.4	-	-	1	1.4	4	5.8	4	5.8
Nowata	5	7.8	4	6.3	1.0	1.6	7	11.0	11	17.2
Okfuskee	6	8.4	5	7.0	1.0	1.4	8	11.3	13	18.3
Oklahoma	534	9.7	345	6.3	189	3.4	375	6.8	720	13.1
Okmulgee	28	10.5	15	5.6	13	4.9	25	9.3	40	15.0
Osage	12	5.2	10	4.3	2	0.9	12	5.2	22	9.6
Ottawa	17	7.7	6	2.7	11	5.0	8	3.6	14	6.3
Pawnee	4	3.9	1	1.0	3	3.0	4	3.9	5	4.9
Payne	22	5.3	12	2.9	10	2.4	21	5.1	33	8.0
Pittsburg	26	10.6	16	6.5	10	4.1	15	6.1	31	12.6
Pontotoc	20	8.2	14	5.8	6	2.5	16	6.6	30	12.3
Pottawatomie	37	8.2	19	4.2	18	4.0	29	6.4	48	10.6
Pushmataha	9	13.6	6	9.1	3	4.5	7	10.6	13	19.7
Roger Mills	1	5.1	1	5.1	-	-	-	-	1	5.1
Rogers	28	6.2	15	3.3	13	2.9	23	5.1	38	8.4
Seminole	20	10.9	14	7.7	6	3.3	16	8.7	30	16.4
Sequoyah	22	8.8	11	4.4	11	4.4	4	1.6	15	6.0
Stephens	17	6.6	8	3.1	9	3.5	12	4.6	20	7.7
Texas	12	6.3	8	4.2	4	2.1	11	5.8	19	10.0
Tillman	7	12.1	4	6.9	3	5.2	3	5.2	7	12.1
Tulsa	359	7.8	223	4.8	136	2.9	251	5.4	474	10.3
Wagoner	31	8.6	20	5.5	11	3.1	17	4.7	37	10.3
Washington	15	5.3	5	1.8	10	3.5	14	4.9	19	6.7
Washita	4	6.1	1.0	1.5	3	4.6	4	6.1	5	7.7
Woods	6	13.1	5	10.9	1.0	2.2	2	4.4	7	15.3
Woodward	7	5.5	5	3.9	2	1.6	5	3.9	10	7.9
Unknown	5	-	4	-	1.0	-	121	-	125	-

**Figure 9. Infant Mortality Rate
United States and Oklahoma, 1975-2002**



**Figure 10. Race-Specific Infant Mortality Rates
Oklahoma, 1975-2002**

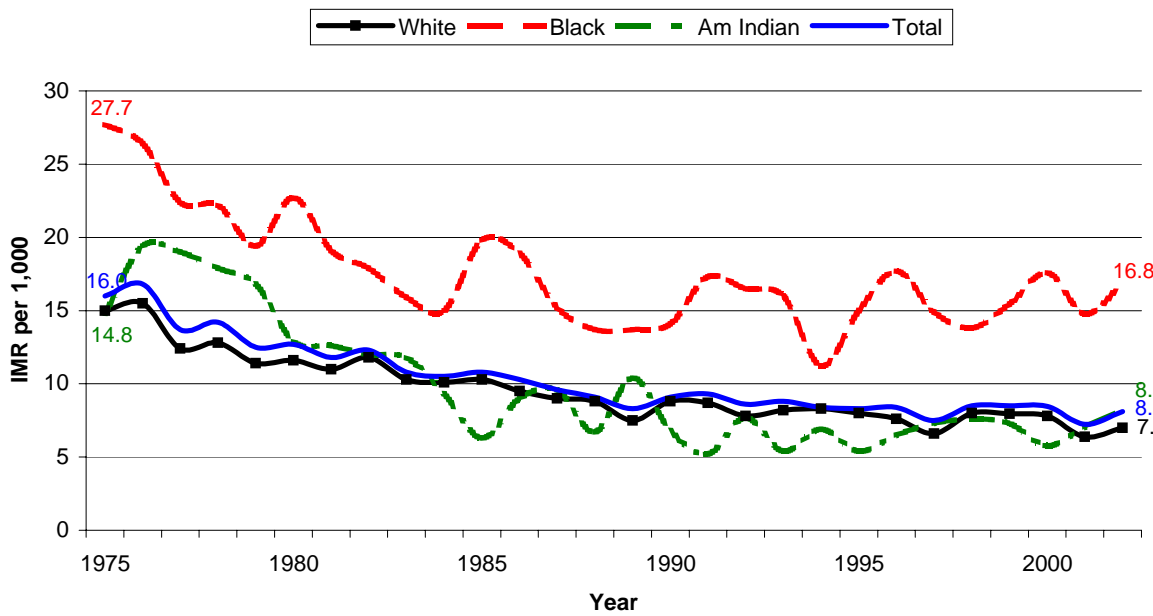


Table 64. Race-specific infant deaths and infant mortality rates: Oklahoma, 1975-2002

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

<i>Year</i>	<i>Number of infant deaths</i>				<i>Infant mortality rate</i>			
	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Total</i> ¹	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Total</i> 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	498	113	44	660	11.6	22.7	12.9	12.7
1981	486	92	45	632	11.0	19.1	12.6	11.8
1982	576	90	48	722	11.8	17.9	12.0	12.3
1983	483	81	46	616	10.3	15.9	11.8	10.8
1984	453	74	34	568	10.1	15.0	9.3	10.5
1985	449	98	23	574	10.3	19.8	6.3	10.8
1986	391	93	33	519	9.5	18.9	9.0	10.3
1987	345	72	35	458	9.0	15.2	9.6	9.6
1988	331	66	27	428	8.8	13.7	6.7	9.1
1989	280	69	42	394	7.5	13.7	10.4	8.3
1990	329	71	28	432	8.8	14.1	6.8	9.1
1991	325	89	23	445	8.7	17.3	5.2	9.3
1992	290	85	34	411	7.8	16.5	7.7	8.6
1993	297	79	24	404	8.2	16.0	5.4	8.8
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	251	70	34	359	6.6	14.9	7.3	7.5
1998	309	66	37	421	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

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, 2002

<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	68	35	59	89	114	365
Certain Infectious & Parasitic Disease (A00-B99)	4	1	1	1	1	8
Shigellosis and amebiasis (A03,A06)	-	-	-	-	1	1
Meningococcal infection (A39)	2	-	-	-	-	2
Septicemia (A40-A41)	2	-	1	-	-	3
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	-	2
Neoplasms (C00-D48)	2	9	5	5	4	25
Malignant neoplasm of ovary (C56)	-	-	-	1	-	1
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	-	4	2	1	1	8
Non-Hodgkin's lymphoma (C82-C85)	1	1	1	-	-	3
Leukemia (C91-C95)	1	2	1	3	1	8
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)	-	1	1	-	2	4
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	-	1	-	-	-	1
Diseases of the Blood & Blood-Forming Organs & Certain Disorders Involving the Immune Mechanism (D50-D89)	0	0	0	1	1	2
Anemias (D50-D64)	-	-	-	1	1	2
Endocrine, Nutritional, & Metabolic Diseases (E00-E88)	0	0	1	0	0	1
Diabetes mellitus (E10-E14)	-	-	1	-	-	1
Diseases of the Nervous System (G00-G98)	1	0	0	0	0	1
Meningitis (G00,G03)	1	-	-	-	-	1
Diseases of the Circulatory System (I00-I99)	3	0	2	6	6	17
Acute myocardial infarction (I21-I22)	-	-	-	1	-	1
Heart failure (I50)	1	-	-	-	-	1
All other forms of heart disease (I26-I28,I34-I38,I42-I49,I51)	1	-	2	4	4	11
Cerebrovascular diseases (I60-I69)	1	-	-	-	2	3
Aortic aneurysm and dissection (I71)	-	-	-	1	-	1
Diseases of the Respiratory System (J00-J98)	1	1	6	3	2	13
Pneumonia (J12-J18)	1	-	2	1	1	5
Emphysema (J43)	-	-	-	-	1	1
Asthma (J45-J46)	-	1	3	1	-	5
Pneumonitis due to solids and liquids (J69)	-	-	-	1	-	1
Other diseases of respiratory system (J00-J06,J30-J39,J67,J70-J98)	-	-	1	-	-	1
Diseases of the Digestive System (K00-K92)	0	1	1	0	0	2
Diseases of appendix (K35-K38)	-	1	-	-	-	1
Other chronic liver disease and cirrhosis (K73-K74)	-	-	1	-	-	1
Disease of the Genitourinary System (N00-N98)	0	1	0	0	0	1
Renal failure (N17-N19)	-	1	-	-	-	1
Certain Conditions Originating in the Perinatal Period (P00-P96)	2	0	0	1	0	3
Certain conditions originating in the perinatal period (P00-P96)	2	-	-	1	-	3
Congenital Malformations, Deformations, & Chromosomal Abnormalities (Q00-Q99)	10	1	2	0	2	15
Symptoms, Signs, & Abnormal Clinical & Laboratory Findings, Not Elsewhere Classified (R00-R99)	16	5	10	6	7	44

-Denote no events in that category

Table 65. Number of child deaths by cause of death and age of decedent: Oklahoma, 2002

<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	68	35	59	89	114	365
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	9	-	2	2	2	15
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)	6	5	6	3	4	24
Unknown	1	-	2	1	1	5
External Causes of Morbidity & Mortality (V01-Y89)	29	16	31	66	91	233
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	10	13	42	51	125
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	1	3	2	8
Water, air and space, and other and unspecified transport accidents and their sequelae (V90-V99,Y85)	-	-	-	1	-	1
Falls (W00-W19)	1	-	-	-	-	1
Accidental discharge of firearms (W32-W34)	-	-	1	1	1	3
Accidental drowning and submersion (W65-W74)	6	1	2	-	1	10
Accidental exposure to smoke, fire and flames (X00-X09)	2	3	1	-	-	6
Accidental poisoning and exposure to noxious substances (X40-X49)	-	-	-	2	3	5
Other and unspecified nontransport accidents and their sequelae (W20-W31,W35-W64,W75-W99,X10-X39,X50-X59,Y86)	5	-	3	2	3	13
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	-	-	4	5	13	22
Intentional self-harm (suicide) by other and unspecified means and their sequelae (X60-X71,X75-X84,Y87.0)	-	-	4	5	4	13
Assault (homicide) by discharge of firearms (X93-X95)	2	-	2	3	6	13
Assault (homicide) by other and unspecified means and their sequelae (X85-X92,X96-Y09,Y87.1)	3	1	-	2	6	12
Other and unspecified events of undetermined intent and their sequelae (Y10-Y21,Y25-Y34,Y87.2,Y89.9)	-	-	-	-	1	1

Table 66. Number of child deaths by age of child and county of residence: Oklahoma, 2002

<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	406	68	35	59	203	365
Adair	5	2	1	1	4	8
Alfalfa	-	-	-	-	-	-
Atoka	2	-	-	-	1	1
Beaver	-	-	-	1	-	1
Beckham	3	-	-	1	4	5
Blaine	2	-	-	-	1	1
Bryan	2	-	-	-	3	3
Caddo	6	1	-	-	1	2
Canadian	5	1	-	1	2	4
Carter	2	-	1	1	2	4
Cherokee	3	-	-	2	2	4
Choctaw	7	-	-	-	3	3
Cimarron	-	-	1	-	-	1
Cleveland	18	5	1	1	4	11
Coal	4	-	-	-	-	-
Comanche	19	4	1	-	5	10
Cotton	2	-	-	-	-	-
Craig	-	-	-	1	-	1
Creek	9	3	-	-	11	14
Custer	3	1	-	-	3	4
Delaware	1	1	-	1	1	3
Dewey	-	-	-	-	-	-
Ellis	-	1	-	-	-	1
Garfield	8	-	2	1	1	4
Garvin	2	-	-	2	3	5
Grady	3	4	.	1	5	10
Grant	-	-	-	-	-	-
Greer	-	-	1	-	1	2
Harmon	1	-	-	1	-	1
Harper	2	-	-	-	-	-
Haskell	4	-	-	-	-	-
Hughes	3	-	-	-	-	-
Jackson	3	-	-	1	2	3
Jefferson	1	-	-	-	-	-
Johnston	-	-	-	-	2	2
Kay	9	1	2	2	4	9
Kingfisher	-	-	-	-	-	-
Kiowa	2	-	-	-	1	1
Latimer	1	-	-	1	1	2
Leflore	5	3	2	-	4	9

- Denotes no events in that category.

Table 66. Number of child deaths by age of child and county of residence: Oklahoma, 2002

<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	406	68	35	59	203	365
Lincoln	4	1	1	-	3	5
Logan	4	1	.	-	-	1
Love	-	-	-	-	-	-
McClain	1	-	-	-	2	2
McCurtain	2	-	-	2	2	4
McIntosh	5	1	-	-	1	2
Major	-	-	1	-	1	2
Marshall	2	-	-	-	-	-
Mayes	2	1	-	-	3	4
Murray	2	-	-	-	-	-
Muskogee	6	2	2	2	4	10
Noble	-	-	-	-	-	-
Nowata	1	-	-	-	1	1
Okfuskee	1	1	-	-	-	1
Oklahoma	88	13	7	7	36	63
Okmulgee	10	-	-	-	3	3
Osage	4	-	-	-	2	2
Ottawa	4	-	-	1	2	3
Pawnee	-	1	-	-	-	1
Payne	6	-	-	2	4	6
Pittsburg	4	1	-	1	5	7
Pontotoc	2	-	1	3	3	7
Pottawatomie	8	1	3	2	2	8
Pushmataha	1	-	1	-	-	1
Roger Mills	-	-	1	-	-	1
Rogers	4	-	-	2	4	6
Seminole	2	2	-	-	2	4
Sequoyah	5	1	-	2	4	7
Stephens	4	2	1	2	3	8
Texas	-	1	-	-	1	2
Tillman	1	-	-	1	-	1
Tulsa	82	7	5	8	30	50
Wagoner	6	-	-	-	1	1
Washington	3	2	-	3	10	15
Washita	2	1	-	-	1	2
Woods	^	-	-	-	-	-
Woodward	2	2	-	-	-	2
Unknown	1	-	-	2	2	4

- Denotes no events in that category.

Table 67. Number of child deaths by age and sex of child and county of residence: Oklahoma, 2002

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	244	162	34	34	18	17	36	23	138	65
Adair	3	2	1	1	-	1	1	-	3	1
Alfalfa	-	-	-	-	-	-	-	-	-	-
Atoka	-	2	-	-	-	-	-	-	1	-
Beaver	-	-	-	-	-	-	1	-	.	-
Beckham	2	1	-	-	-	-	-	1	2	2
Blaine	1	1	-	-	-	-	-	-	1	-
Bryan	-	2	-	-	-	-	-	-	2	1
Caddo	2	4	-	1	-	-	-	-	1	-
Canadian	3	2	-	1	-	-	1	-	1	1
Carter	-	2	-	.	-	1	.	1	2	-
Cherokee	2	1	-	-	-	-	2	-	1	1
Choctaw	5	2	-	-	-	-	-	-	2	1
Cimarron	-	-	-	-	1	-	-	-	-	-
Cleveland	14	4	2	3	1	-	-	1	4	-
Coal	4	-	-	-	-	-	-	-	-	-
Comanche	15	4	3	1	1	-	-	-	5	-
Cotton	2	-	-	-	-	-	-	-	-	-
Craig	-	-	-	-	-	-	1	-	-	-
Creek	8	1	1	2	-	-	-	-	8	3
Custer	-	3	1	.	-	-	-	-	2	1
Delaware	1	-	.	1	-	-	1	-	1	-
Dewey	-	-	-	-	-	-	-	-	-	-
Ellis	-	-	1	-	-	-	-	-	-	-
Garfield	5	3	-	-	1	1	-	1	1	-
Garvin	2	-	-	-	-	-	2	-	2	1
Grady	3	-	3	1	-	-	1	-	3	2
Grant	-	-	-	-	-	-	-	-	-	-
Greer	-	-	-	-	1	-	-	-	1	-
Harmon	-	1	-	-	-	-	1	-	-	-
Harper	2	-	-	-	-	-	-	-	-	-
Haskell	2	2	-	-	-	-	-	-	-	-
Hughes	1	2	-	-	-	-	-	-	-	-
Jackson	1	2	-	-	-	-	1	.	1	1
Jefferson	-	1	-	-	-	-	-	-	-	-
Johnston	-	-	-	-	-	-	-	-	-	2
Kay	5	4	-	1	2	-	1	1	3	1
Kingfisher	-	-	-	-	-	-	-	-	-	-
Kiowa	1	1	-	-	-	-	-	-	1	-
Latimer	1	-	-	-	-	-	1	-	1	-
Leflore	4	1	2	1	1	1	-	-	3	1

- Denotes no events in that category.

Table 67. Number of child deaths by age and sex of child and county of residence: Oklahoma, 2002

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	244	162	34	34	18	17	36	23	138	65
Lincoln	3	1	-	1	-	1	-	-	2	1
Logan	3	1	-	1	-	-	-	-	-	-
Love	-	-	-	-	-	-	-	-	-	-
McClain	-	1	-	-	-	-	-	-	2	-
McCurtain	-	2	-	-	-	-	1	1	2	-
McIntosh	2	3	1	-	-	-	-	-	1	-
Major	-	-	-	-	1	-	-	-	1	-
Marshall	1	1	-	-	-	-	-	-	-	-
Mayes	1	1	-	1	-	-	-	-	2	1
Murray	1	1	-	-	-	-	-	-	-	-
Muskogee	4	2	1	1	1	1	2	-	1	3
Noble	-	-	-	-	-	-	-	-	-	-
Nowata	1	-	-	-	-	-	-	-	-	1
Okfuskee	1	-	1	-	-	-	-	-	-	-
Oklahoma	47	41	4	9	3	4	7	-	27	9
Okmulgee	6	4	-	-	-	-	-	-	2	1
Osage	2	2	-	-	-	-	-	-	1	1
Ottawa	1	3	-	-	-	-	1	-	1	1
Pawnee	-	-	-	1	-	-	-	-	-	-
Payne	3	3	-	-	-	-	1	1	3	1
Pittsburg	2	2	-	1	-	-	-	1	3	2
Pontotoc	1	1	-	-	-	1	1	2	1	2
Pottawatomie	4	4	1	-	-	3	1	1	-	2
Pushmataha	1	-	-	-	-	1	-	-	-	-
Roger Mills	-	-	-	-	1	-	-	-	-	-
Rogers	3	1	-	-	-	-	1	1	3	1
Seminole	1	1	-	2	-	-	-	-	1	1
Sequoyah	3	2	1	-	-	-	-	2	3	1
Stephens	3	1	2	-	-	1	-	2	1	2
Texas	-	-	1	-	-	-	-	-	1	-
Tillman	1	-	-	-	-	-	1	-	-	-
Tulsa	48	34	5	2	4	1	5	3	20	10
Wagoner	4	2	-	-	-	-	-	-	1	-
Washington	3	-	2	-	-	-	1	2	6	4
Washita	2	-	-	1	-	-	-	-	1	-
Woods	-	-	-	-	-	-	-	-	-	-
Woodward	2	-	1	1	-	-	-	-	-	-
Unknown	1	-	-	-	-	-	-	2	-	2

Table 68. Number of deaths to children ages 0-19 by race of decedent and county of residence: Oklahoma, 2002

<i>County</i>	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Total</i>
State	556	113	86	7	9	771
Adair	7	1	5	-	-	13
Alfalfa						
Atoka	1	-	2	-	-	3
Beaver	1	-	-	-	-	1
Beckham	8	-	-	-	-	8
Blaine	1	1	1	-	-	3
Bryan	3	-	2	-	-	5
Caddo	4	-	4	-	-	8
Canadian	7	2	-	-	-	9
Carter	4	2	-	-	-	6
Cherokee	1	-	6	-	-	7
Choctaw	9	-	1	-	-	10
Cimarron	1	-	-	-	-	1
Cleveland	23	4	-	1	1	29
Coal	3	-	1	-	-	4
Comanche	13	11	4	-	1	29
Cotton	1	1	-	-	-	2
Craig	1	-	-	-	-	1
Creek	21	-	1	1	-	23
Custer	4	-	3	-	-	7
Delaware	4	-	-	-	-	4
Dewey						
Ellis	1	-	-	-	-	1
Garfield	11	1	-	-	-	12
Garvin	7	-	-	-	-	7
Grady	12	-	1	-	-	13
Grant						
Greer	2	-	-	-	-	2
Harmon	2	-	-	-	-	2
Harper	2	-	-	-	-	2
Haskell	3	-	1	-	-	4
Hughes	2	-	1	-	-	3
Jackson	4	2	-	-	-	6
Jefferson	1	-	-	-	-	1
Johnston	2	-	-	-	-	2
Kay	14	-	4	-	-	18
Kingfisher						
Kiowa	2	1	-	-	-	3
Latimer	3	-	-	-	-	3
Leflore	13	-	1	-	-	14

- 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, 2002

<i>County</i>	<i>White</i>	<i>Black</i>	<i>American Indian</i>	<i>Other</i>	<i>Unk</i>	<i>Total</i>
State	556	113	86	7	9	771
Lincoln	6	-	3	-	-	9
Logan	5	-	-	-	-	5
Love						
McClain	3	-	-	-	-	3
McCurtain	6	-	-	-	-	6
McIntosh	7	-	-	-	-	7
Major	2	-	-	-	-	2
Marshall	2	-	-	-	-	2
Mayes	5	-	1	-	-	6
Murray	.	1	1	-	-	2
Muskogee	6	6	4	-	-	16
Noble						
Nowata	2	-	-	-	-	2
Okfuskee	1	-	1	-	-	2
Oklahoma	89	47	10	3	2	151
Okmulgee	11	1	1	-	-	13
Osage	5	-	1	-	-	6
Ottawa	2	-	5	-	-	7
Pawnee	1	-	-	-	-	1
Payne	11	1	-	-	-	12
Pittsburg	10	-	1	-	-	11
Pontotoc	6	-	3	-	-	9
Pottawatomie	11	-	5	-	-	16
Pushmataha	2	-	-	-	-	2
Roger Mills	1	-	-	-	-	1
Rogers	8	-	2	-	-	10
Seminole	5	-	1	-	-	6
Sequoyah	10	-	2	-	-	12
Stephens	12	-	-	-	-	12
Texas	2	-	-	-	-	2
Tillman	2	-	-	-	-	2
Tulsa	97	29	5	1	-	132
Wagoner	6	1	-	-	-	7
Washington	15	-	2	1	-	18
Washita	3	1	-	-	-	4
Woods						
Woodward	4	-	-	-	-	4
Unknown	-	-	-	-	5	5

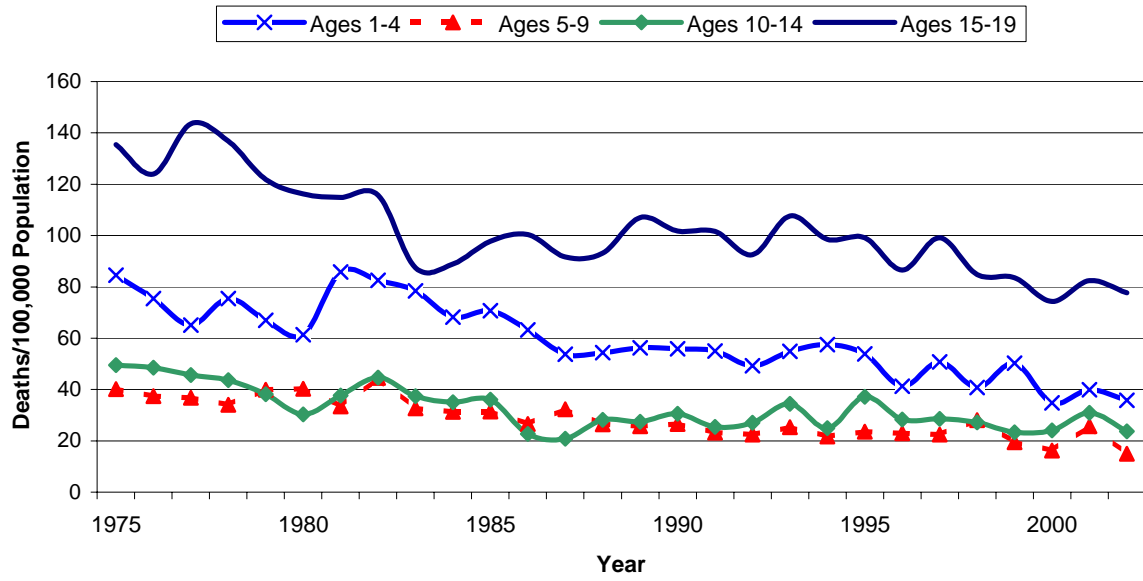
- Denotes no events in that category.

Table 69. Total and accidental deaths to children by age group: Oklahoma, 1975-2002

<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

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

**Figure 11. Age-Specific Child Mortality Rates
Oklahoma, 1975-2002**



**Table 70. Child mortality rates by age group and number of suicides and homicides for children ages 15-19:
Oklahoma, 1975-2002**

(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

**Table 71. Heart Disease Death Trends:
Oklahoma, 1980- 2002**

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	11149	3,290,412	338.8	379.3
1984	10642	3,285,581	323.9	358.2
1985	11218	3,271,395	342.9	372.9
1986	10873	3,252,756	334.3	357.1
1987	10593	3,210,172	330.0	343.6
1988	10902	3,167,148	344.2	351.8
1989	10587	3,150,372	336.1	336.1
1990	10834	3,148,825	344.1	338.8
1991	10769	3,175,440	339.1	330.9
1992	10797	3,220,517	335.3	325.1
1993	11259	3,252,285	346.2	333.4
1994	11079	3,280,940	337.7	323.6
1995	11041	3,308,208	333.7	318.0
1996	11238	3,340,129	336.5	320.1
1997	11241	3,372,917	333.3	316.4
1998	11254	3,405,194	330.5	313.0
1999	11046	3,437,147	321.4	304.2
2000	11163	3,454,408	323.2	304.0
2001	10733	3,469,577	309.3	289.4
2002	11095	3,493,714	317.6	296.2

**Table 72. Heart Disease Deaths by Selected Demographics:
Oklahoma, 1999-2002**

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	21,108	6,813,306	309.8	367.1
Female	22,929	7,041,540	325.6	244.9
White	39,765	11,248,345	353.5	299.2
Black	2,567	1,131,321	226.9	361.0
Am Indian	1,562	1,246,116	125.3	216.9
Other	112	229,064	48.9	151.0
Hispanic ¹	352	726,891	48.4	197.5
Under 1	38	192,196	19.8	-
1-4 years	10	751,471	1.3	-
5-14 years	13	1,958,207	0.7	-
15-24 years	66	2,087,360	3.2	-
25-34 years	153	1,817,381	8.4	-
35-44 years	807	2,066,748	39.0	-
45-54 years	2,305	1,851,299	124.5	-
55-64 years	4,404	1,300,351	338.7	-
65-74 years	7,627	969,862	786.4	-
75-84 years	13,169	629,224	2092.9	-
85+ years	15,442	230,747	6692.2	-

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 1999-2002**

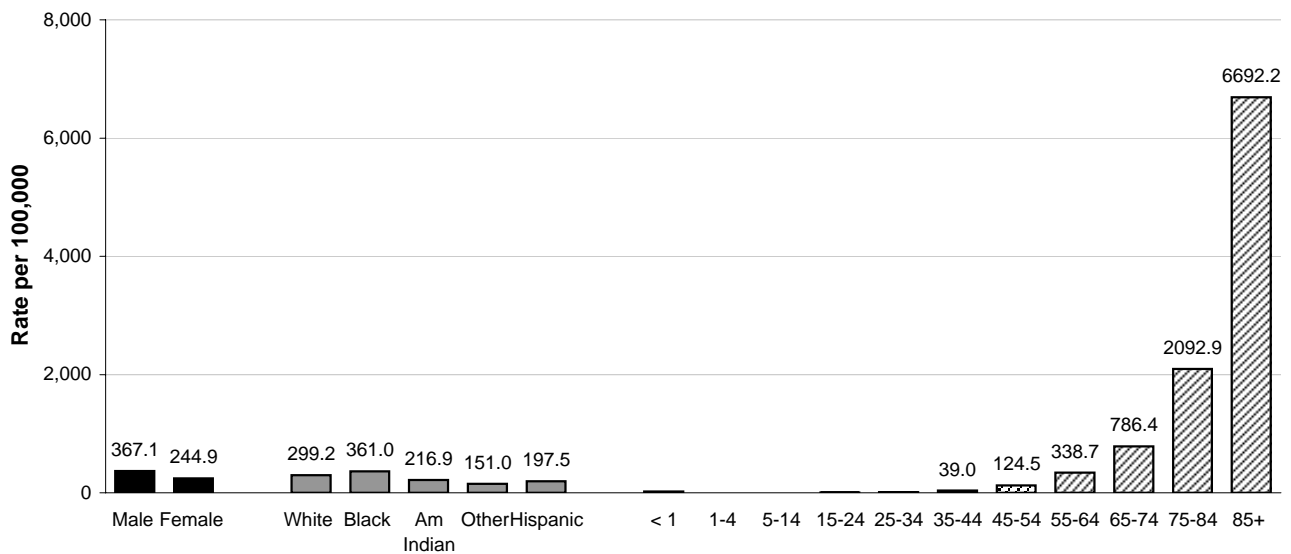


Table 73. Number of deaths, age-adjusted death rate and years of potential life lost due to Heart Disease Oklahoma and each County, 1999-2002

(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	44,037	13,854,846	317.8	316.1	88,189
Adair	255	84,557	301.6	350.0	716
Alfalfa	88	24,086	365.4	222.9	110
Atoka	215	55,611	386.6	352.6	443
Beaver	71	23,072	307.7	224.2	108
Beckham	360	79,426	453.3	366.0	616
Blaine	217	48,044	451.7	337.3	341
Bryan	497	146,512	339.2	289.2	824
Caddo	474	120,439	393.6	343.7	1049
Canadian	812	355,465	228.4	309.4	1,960
Carter	864	183,134	471.8	388.3	1270
Cherokee	427	170,963	249.8	284.8	892
Choctaw	278	60,876	456.7	342.4	518
Cimarron	36	12,344	291.6	180.7	2
Cleveland	1,566	843,375	185.7	292.4	3,653
Coal	148	23,965	617.6	467.6	379
Comanche	949	457,023	207.6	287.0	2,694
Cotton	115	26,126	440.2	292.9	122
Craig	250	59,169	422.5	342.7	391
Creek	945	271,618	347.9	366.6	2,147
Custer	379	103,117	367.5	334.8	547
Delaware	659	149,212	441.7	364.7	957
Dewey	88	18,817	467.7	263.4	148
Ellis	71	16,081	441.5	216.0	21
Garfield	788	230,459	341.9	271.9	1,504
Garvin	533	108,487	491.3	352.0	943
Grady	655	183,411	357.1	348.5	1,731
Grant	103	20,415	504.5	305.3	72
Greer	136	23,847	570.3	364.3	325
Harmon	71	12,797	554.8	302.4	70
Harper	84	14,057	597.6	349.7	63
Haskell	234	47,036	497.5	387.3	382
Hughes	309	56,234	549.5	361.1	292
Jackson	343	112,378	305.2	324.8	525
Jefferson	157	26,906	583.5	367.7	213
Johnston	166	41,931	395.9	328.8	347
Kay	819	191,520	427.6	327.5	1298
Kingfisher	211	55,375	381.0	313.1	282
Kiowa	250	40,430	618.4	388.5	310
Latimer	176	42,461	414.5	354.6	384
Leflore	754	192,601	391.5	374.2	1,712

Table 73. Number of deaths, age-adjusted death rate and years of potential life lost due to Heart Disease Oklahoma and each County, 1999-2002

(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	44,037	13,854,846	317.8	316.1	88,189
Lincoln	442	128,338	344.4	327.1	953
Logan	411	136,328	301.5	312.6	863
Love	136	35,351	384.7	300.9	219
McClain	327	111,491	293.3	325.7	701
McCurtain	471	137,192	343.3	329.3	937
McIntosh	405	78,106	518.5	344.9	498
Major	162	30,107	538.1	349.4	214
Marshall	273	53,125	513.9	375.9	345
Mayes	486	154,094	315.4	288.3	817
Murray	256	50,559	506.3	367.7	425
Muskogee	1022	278,666	366.7	312.0	2,064
Noble	160	45,571	351.1	294.6	264
Nowata	147	42,485	346.0	265.5	247
Okfuskee	226	46,948	481.4	385.7	383
Oklahoma	7,571	2,656,902	285.0	307.4	18,096
Okmulgee	686	158,835	431.9	375.6	1229
Osage	456	178,847	255.0	259.3	996
Ottawa	543	132,459	409.9	347.1	867
Pawnee	255	66,741	382.1	334.3	291
Payne	653	275,949	236.6	268.8	958
Pittsburg	823	175,438	469.1	361.7	1280
Pontotoc	548	139,906	391.7	343.0	983
Pottawatomie	941	263,615	357.0	347.9	1,914
Pushmataha	235	46,746	502.7	366.5	335
Roger Mills	64	13,454	475.7	315.4	90
Rogers	685	289,298	236.8	289.3	1,570
Seminole	471	99,327	474.2	377.0	945
Sequoyah	494	156,971	314.7	321.2	1079
Stephens	761	171,895	442.7	327.0	988
Texas	165	80,411	205.2	268.7	279
Tillman	129	36,841	350.2	229.4	180
Tulsa	6,413	2,263,991	283.3	313.2	13,833
Wagoner	412	233,621	176.4	253.1	1162
Washington	642	196,209	327.2	248.8	978
Washita	186	45,930	405.0	272.5	256
Woods	194	35,746	542.7	326.9	142
Woodward	228	73,976	308.2	275.8	438
Unknown	5	-	-	-	9

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, 1999-2002

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	21,108	309.8	387.7	60,899	22,929	325.6	260.4	27,290
Adair	145	346.7	490.7	553	110	257.4	248.5	163
Alfalfa	45	330.1	269.7	83	43	411.3	184.7	27
Atoka	100	332.7	414.1	239	115	450.0	306.5	204
Beaver	41	352.1	309.5	75	30	262.5	162.7	33
Beckham	161	388.6	428.1	425	199	523.7	314.9	191
Blaine	87	331.4	352.9	229	130	596.6	317.8	112
Bryan	232	324.3	344.1	628	265	353.5	240.0	196
Caddo	237	395.1	432.6	870	237	392.1	272.0	179
Canadian	370	208.5	352.4	1,170	442	248.3	274.0	790
Carter	399	452.3	467.7	837	465	489.9	320.7	433
Cherokee	205	244.4	323.1	596	222	255.0	243.2	296
Choctaw	132	457.3	429.1	416	146	456.1	267.1	102
Cimarron	16	262.9	212.1	1	20	319.6	157.7	1
Cleveland	788	186.1	351.0	2,618	778	185.2	245.4	1,035
Coal	65	552.3	514.3	181	83	680.5	427.4	198
Comanche	488	206.1	373.2	1,736	461	209.3	227.8	958
Cotton	52	401.7	379.2	77	63	478.0	230.0	45
Craig	114	384.0	407.3	259	136	461.3	293.2	132
Creek	443	332.7	427.1	1,339	502	362.6	318.6	808
Custer	190	378.8	440.1	369	189	356.9	257.3	178
Delaware	332	452.5	434.2	642	327	431.2	306.1	315
Dewey	42	455.3	353.0	142	46	479.5	200.5	6
Ellis	32	403.1	266.2	7	39	479.0	179.9	14
Garfield	370	331.9	339.5	1,024	418	351.3	222.8	480
Garvin	235	449.3	405.5	724	298	530.4	295.9	219
Grady	324	361.4	453.6	1,157	331	353.0	276.2	574
Grant	42	422.2	323.5	64	61	582.8	276.0	8
Greer	62	469.7	437.8	250	74	695.1	307.3	75
Harmon	26	423.4	311.5	44	45	676.1	295.0	26
Harper	50	728.1	541.1	56	34	472.9	219.1	7
Haskell	115	498.3	475.0	189	119	496.7	320.6	193
Hughes	148	511.3	491.2	204	161	589.9	280.1	88
Jackson	155	277.0	389.2	342	188	333.2	271.9	183
Jefferson	81	618.9	509.9	125	76	550.0	281.9	88
Johnston	85	412.0	416.8	184	81	380.3	259.7	163
Kay	392	422.6	406.1	1,008	427	432.3	257.3	290
Kingfisher	94	348.2	408.2	203	117	412.3	256.1	79
Kiowa	119	600.8	513.6	234	131	635.2	289.1	76
Latimer	85	405.5	375.0	189	91	423.3	334.0	195
Leflore	384	399.9	465.5	1,190	370	383.2	300.9	522

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, 1999-2002

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	21,108	309.8	387.7	60,899	22,929	325.6	260.4	27,290
Lincoln	219	345.5	408.7	700	223	343.4	267.8	253
Logan	192	284.7	381.2	646	219	317.9	260.1	217
Love	69	393.7	369.6	157	67	375.9	240.2	62
McClain	164	295.6	395.7	526	163	291.0	269.8	175
McCurtain	229	346.3	403.2	736	242	340.5	264.3	201
McIntosh	205	549.7	418.0	380	200	490.1	280.4	118
Major	80	545.6	465.0	140	82	531.0	276.9	74
Marshall	122	466.1	433.2	322	151	560.3	319.1	23
Mayer	260	340.5	376.3	633	226	290.7	217.6	184
Murray	128	513.8	443.0	358	128	499.0	299.1	67
Muskogee	519	386.1	425.4	1,628	503	348.7	229.9	436
Noble	84	373.2	390.6	204	76	329.6	216.8	60
Nowata	61	292.0	286.6	174	86	398.3	237.2	73
Okfuskee	111	458.9	498.6	276	115	505.3	308.6	107
Oklahoma	3,681	285.4	389.0	12,058	3,890	284.5	248.8	6,038
Okmulgee	327	421.8	455.8	838	359	441.6	308.7	391
Osage	240	265.5	318.8	762	216	244.2	206.1	234
Ottawa	261	405.9	428.2	645	282	413.8	287.2	222
Pawnee	113	342.9	359.3	181	142	420.2	308.0	110
Payne	283	201.7	309.3	661	370	272.8	234.5	297
Pittsburg	373	421.9	445.3	898	450	517.0	300.9	382
Pontotoc	245	363.5	422.5	657	303	417.9	284.0	326
Pottawatomie	449	351.6	427.7	1,318	492	362.0	286.8	596
Pushmataha	107	477.3	410.9	250	128	526.2	312.7	85
Roger Mills	32	478.2	401.6	69	32	473.2	237.4	21
Rogers	340	238.6	342.7	1,116	345	235.0	245.8	454
Seminole	244	507.7	492.6	658	227	442.8	286.1	287
Sequoyah	241	311.0	369.1	674	253	318.3	272.8	405
Stephens	366	439.8	404.4	749	395	445.5	265.8	239
Texas	69	166.8	251.4	205	96	245.9	267.9	74
Tillman	67	372.2	319.7	116	62	329.1	170.9	64
Tulsa	2,936	267.1	381.5	9,434	3,477	298.5	263.8	4,399
Wagoner	215	186.1	301.3	834	197	166.8	215.7	328
Washington	299	317.4	295.9	636	343	336.3	212.5	342
Washita	86	386.0	333.4	153	100	422.8	217.8	103
Woods	91	499.8	431.5	102	103	587.3	261.7	40
Woodward	114	307.6	345.9	317	114	308.8	225.0	121
Unknown	3	-	-	9	2	-	-	-

Table 75. Cancer Death Trends: Oklahoma 1980-2002

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	5,500	3,437,147	160.0	199.8
2000	5,613	3,454,408	162.5	200.8
2001	5,647	3,469,577	162.8	200.4
2002	5,713	3,493,714	163.5	199.9

Table 76. Cancer Deaths Selected Demographics: Oklahoma, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	15,537	6,813,306	228.0	254.9
Female	13,714	7,041,540	194.8	164.2
White	26,055	11,248,345	231.6	200.4
Black	1,829	1,131,321	161.7	257.5
Am Indian	1,219	1,246,116	97.8	156.1
Hispanic ¹	259	726,891	35.6	120.3
Under 1	7	192,196	3.6	-
1-4 years	18	751,471	2.4	-
5-14 years	47	1,958,207	2.4	-
15-24 years	77	2,087,360	3.7	-
25-34 years	219	1,817,381	12.1	-
35-44 years	840	2,066,748	40.6	-
45-54 years	2,460	1,851,299	132.9	-
55-64 years	5,108	1,300,351	392.8	-
65-74 years	8,051	969,862	830.1	-
75-84 years	8,482	629,224	1,348.	-
85+ years	3,942	230,747	1,708.4	-

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 1999-2002

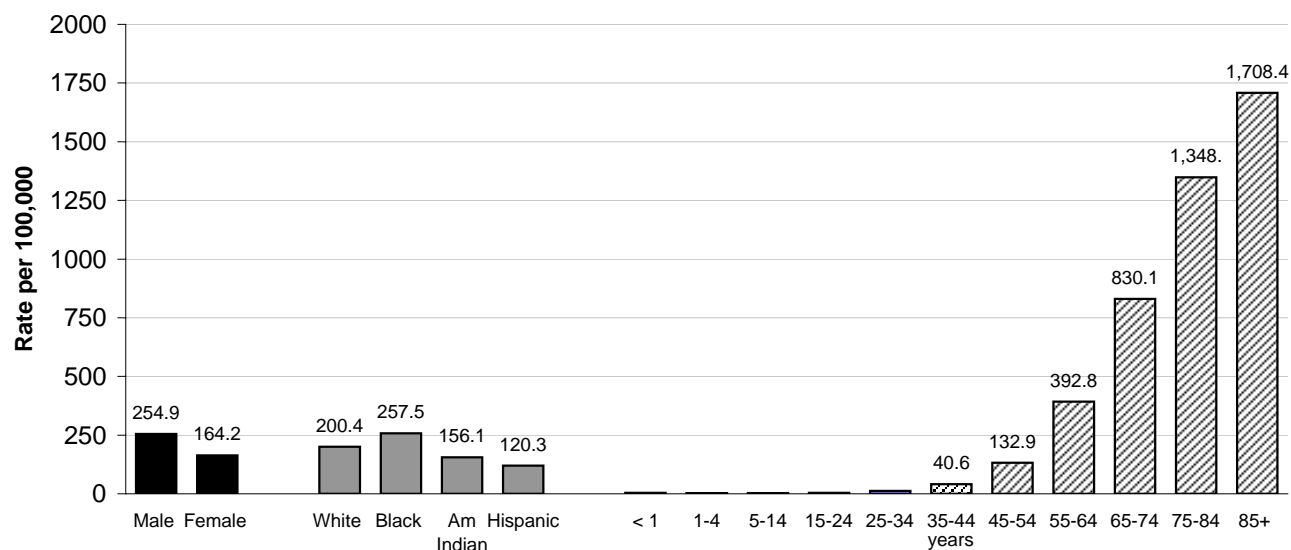


Table 77. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer Oklahoma and each County, 1999-2002

(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	29,251	13,854,846	211.1	210.0	98,262
Adair	201	84,557	237.7	259.9	869
Alfalfa	53	24,086	220.0	143.1	44
Atoka	115	55,611	206.8	185.6	298
Beaver	42	23,072	182.0	146.0	145
Beckham	177	79,426	222.8	204.2	491
Blaine	134	48,044	278.9	224.2	198
Bryan	311	146,512	212.3	187.0	703
Caddo	268	120,439	222.5	201.6	695
Canadian	533	355,465	149.9	188.6	2,051
Carter	495	183,134	270.3	232.2	1,697
Cherokee	321	170,963	187.8	204.4	1,149
Choctaw	148	60,876	243.1	192.5	450
Cimarron	35	12,344	283.5	203.8	96
Cleveland	1,091	843,375	129.4	180.9	4,942
Coal	73	23,965	304.6	250.3	314
Comanche	768	457,023	168.0	222.8	2,708
Cotton	62	26,126	237.3	179.4	128
Craig	170	59,169	287.3	237.8	466
Creek	600	271,618	220.9	217.1	2,235
Custer	247	103,117	239.5	233.8	780
Delaware	392	149,212	262.7	209.4	1,256
Dewey	71	18,817	377.3	229.6	73
Ellis	42	16,081	261.2	170.0	130
Garfield	524	230,459	227.4	193.7	1,716
Garvin	301	108,487	277.5	213.7	682
Grady	397	183,411	216.5	215.8	1,365
Grant	43	20,415	210.6	143.2	122
Greer	58	23,847	243.2	169.0	159
Harmon	49	12,797	382.9	248.0	166
Harper	41	14,057	291.7	195.7	107
Haskell	146	47,036	310.4	248.9	534
Hughes	161	56,234	286.3	221.1	519
Jackson	189	112,378	168.2	184.9	454
Jefferson	77	26,906	286.2	202.6	166
Johnston	92	41,931	219.4	191.7	479
Kay	515	191,520	268.9	218.6	1,417
Kingfisher	125	55,375	225.7	200.3	377
Kiowa	125	40,430	309.2	222.3	297
Latimer	103	42,461	242.6	207.7	350
Leflore	489	192,601	253.9	242.7	1,613

Table 77. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer Oklahoma and each County, 1999-2002

(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	29,251	13,854,846	211.1	210.0	98,262
Lincoln	289	128,338	225.2	213.4	1,122
Logan	284	136,328	208.3	217.2	768
Love	100	35,351	282.9	231.1	285
McClain	211	111,491	189.3	195.0	747
McCurtain	321	137,192	234.0	221.3	1,127
McIntosh	231	78,106	295.8	195.8	562
Major	76	30,107	252.4	183.9	260
Marshall	142	53,125	267.3	193.6	335
Mayes	377	154,094	244.7	220.8	1,441
Murray	144	50,559	284.8	215.9	423
Muskogee	711	278,666	255.1	225.3	1,796
Noble	106	45,571	232.6	200.3	227
Nowata	137	42,485	322.5	260.5	526
Okfuskee	119	46,948	253.5	208.1	313
Oklahoma	5,251	2,656,902	197.6	210.7	19,215
Okmulgee	393	158,835	247.4	220.6	1,367
Osage	380	178,847	212.5	208.5	1,187
Ottawa	381	132,459	287.6	239.0	959
Pawnee	181	66,741	271.2	241.6	580
Payne	455	275,949	164.9	198.5	1,622
Pittsburg	457	175,438	260.5	208.9	1,458
Pontotoc	333	139,906	238.0	214.5	938
Pottawatomie	576	263,615	218.5	212.3	1,804
Pushmataha	130	46,746	278.1	211.4	410
Roger Mills	24	13,454	178.4	127.1	58
Rogers	536	289,298	185.3	205.8	1,903
Seminole	279	99,327	280.9	230.5	720
Sequoyah	382	156,971	243.4	237.1	1,468
Stephens	476	171,895	276.9	210.9	1,194
Texas	105	80,411	130.6	165.2	387
Tillman	106	36,841	287.7	212.8	303
Tulsa	4,508	2,263,991	199.1	217.2	16,473
Wagoner	388	233,621	166.1	199.7	1,419
Washington	510	196,209	259.9	202.6	1,484
Washita	123	45,930	267.8	192.4	212
Woods	91	35,746	254.6	174.5	131
Woodward	151	73,976	204.1	187.8	559
Unknown	3	-	-	-	38

Table 78. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer by gender: Oklahoma and each County, 1999-2002

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	15,537	228.0	268.1	50,228	13,714	194.8	171.9	48,034
Adair	98	234.3	295.9	380	103	241.0	240.8	489
Alfalfa	33	242.1	201.7	21	20	191.3	101.2	23
Atoka	66	219.6	256.1	153	49	191.7	140.9	145
Beaver	24	206.1	186.9	92	18	157.5	111.9	53
Beckham	84	202.8	226.6	255	93	244.7	187.3	236
Blaine	69	262.8	281.0	82	65	298.3	188.0	116
Bryan	171	239.0	244.2	328	140	186.7	146.9	375
Caddo	142	236.7	252.6	389	126	208.4	167.3	306
Canadian	270	152.2	228.2	1,069	263	147.7	163.9	982
Carter	273	309.5	309.4	841	222	233.9	182.5	856
Cherokee	153	182.4	231.2	463	168	192.9	193.5	686
Choctaw	80	277.1	252.9	255	68	212.4	152.5	195
Cimarron	18	295.8	240.8	28	17	271.7	191.3	68
Cleveland	581	137.2	223.7	2,605	510	121.4	150.9	2,337
Coal	39	331.4	306.9	207	34	278.8	200.9	107
Comanche	385	162.6	270.9	1,300	383	173.9	192.3	1,408
Cotton	40	309.0	281.7	71	22	166.9	118.7	57
Craig	91	306.5	309.5	222	79	268.0	192.1	244
Creek	335	251.6	282.3	1,204	265	191.4	171.1	1,031
Custer	138	275.1	312.9	496	109	205.8	179.1	284
Delaware	230	313.5	276.6	645	162	213.6	161.0	611
Dewey	37	401.1	309.2	16	34	354.4	186.4	57
Ellis	27	340.1	248.8	93	15	184.2	109.6	37
Garfield	284	254.8	254.9	819	240	201.7	154.3	897
Garvin	152	290.6	257.7	317	149	265.2	181.6	365
Grady	228	254.3	296.3	790	169	180.2	159.9	575
Grant	27	271.4	207.5	95	16	152.9	82.0	27
Greer	28	212.1	199.0	121	30	281.8	144.8	38
Harmon	27	439.7	354.4	75	22	330.5	188.1	91
Harper	24	349.5	256.4	34	17	236.4	142.4	73
Haskell	79	342.3	305.4	280	67	279.7	207.2	254
Hughes	97	335.1	312.1	261	64	234.5	158.7	258
Jackson	96	171.6	238.1	319	93	164.8	153.5	135
Jefferson	45	343.9	272.0	89	32	231.6	156.0	77
Johnston	46	223.0	217.0	264	46	216.0	172.2	215
Kay	281	303.0	288.0	734	234	236.9	171.5	683
Kingfisher	71	263.0	280.2	193	54	190.3	152.9	184
Kiowa	72	363.5	313.3	239	53	257.0	156.0	58
Latimer	62	295.8	255.2	137	41	190.7	163.4	213
Leflore	258	268.7	292.1	950	231	239.2	203.9	663

Table 78. Number of deaths, age-adjusted death rate and years of potential life lost due to Cancer by gender: Oklahoma and each County, 1999-2002

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	15,537	228.0	268.1	50,228	13,714	194.8	171.9	48,034
Lincoln	170	268.2	285.0	446	119	183.2	161.4	676
Logan	152	225.4	284.0	400	132	191.6	177.8	368
Love	56	319.5	295.4	81	44	246.9	190.4	204
McClain	120	216.3	250.1	416	91	162.4	154.0	331
McCurtain	186	281.3	311.6	600	135	189.9	162.9	527
McIntosh	130	348.6	250.1	359	101	247.5	151.4	203
Major	40	272.8	224.2	146	36	233.1	156.8	114
Marshall	83	317.1	273.5	197	59	218.9	142.4	138
Mayes	216	282.9	294.6	623	161	207.1	173.4	818
Murray	82	329.2	265.6	212	62	241.7	176.0	211
Muskogee	375	279.0	293.0	906	336	232.9	179.5	890
Noble	62	275.4	284.1	120	44	190.8	149.6	107
Nowata	74	354.2	337.9	312	63	291.8	210.6	214
Okfuskee	73	301.8	295.1	165	46	202.1	144.8	148
Oklahoma	2,724	211.2	271.1	9,787	2,527	184.8	173.6	9,428
Okmulgee	216	278.6	289.2	868	177	217.7	171.2	499
Osage	207	229.0	266.6	585	173	195.6	171.2	602
Ottawa	204	317.2	308.5	336	177	259.7	196.7	623
Pawnee	110	333.8	330.1	379	71	210.1	170.8	201
Payne	257	183.2	272.0	936	198	146.0	148.7	686
Pittsburg	252	285.1	272.7	717	205	235.5	166.8	741
Pontotoc	169	250.8	278.0	435	164	226.2	178.7	503
Pottawatomie	303	237.3	272.2	991	273	200.9	176.9	813
Pushmataha	66	294.4	252.6	124	64	263.1	193.1	286
Roger Mills	13	194.3	165.5	39	11	162.7	115.9	19
Rogers	295	207.0	253.1	954	241	164.2	167.8	949
Seminole	149	310.0	290.4	352	130	253.6	186.4	368
Sequoyah	209	269.7	298.4	811	173	217.7	193.6	657
Stephens	263	316.0	276.1	610	213	240.2	165.8	584
Texas	54	130.5	190.7	219	51	130.7	146.4	168
Tillman	55	305.5	265.9	129	51	270.7	177.0	174
Tulsa	2,259	205.5	272.8	8,167	2,249	193.1	183.5	8,306
Wagoner	204	176.6	236.8	662	184	155.8	172.2	757
Washington	256	271.8	240.2	801	254	249.0	177.2	683
Washita	67	300.7	255.7	141	56	236.8	142.5	71
Woods	47	258.1	226.2	29	44	250.9	152.0	102
Woodward	77	207.8	220.3	221	74	200.5	167.7	338
Unknown	1	-	-	20	2	-	-	18

Table 79. Stroke Death Trends: Oklahoma 1980-2002

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	67.2
2000	2,476	3,454,408	71.7	67.3
2001	2,354	3,469,577	67.8	63.3
2002	2,417	3,493,714	69.2	64.5

Table 80. Stroke Deaths Selected Demographics: Oklahoma, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	3,556	6,813,306	52.2	64.9
Female	6,138	7,041,540	87.2	65.4
White	8,708	11,248,345	77.4	65.1
Black	611	1,131,321	54.0	87.6
Am Indian	332	1,246,116	26.6	48.0
Other	37	229,064	16.2	47.1
Hispanic ¹	97	726,891	13.3	54.5
Under 1	22	192,196	11.4	-
1-4 years	4	751,471	++	-
5-14 years	4	1,958,207	++	-
15-24 years	13	2,087,360	0.6	-
25-34 years	34	1,817,381	1.9	-
35-44 years	159	2,066,748	7.7	-
45-54 years	326	1,851,299	17.6	-
55-64 years	571	1,300,351	43.9	-
65-74 years	1,346	969,862	138.8	-
75-84 years	3,269	629,224	519.5	-
85+ years	3,944	230,747	1709.2	-

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 1999-2002

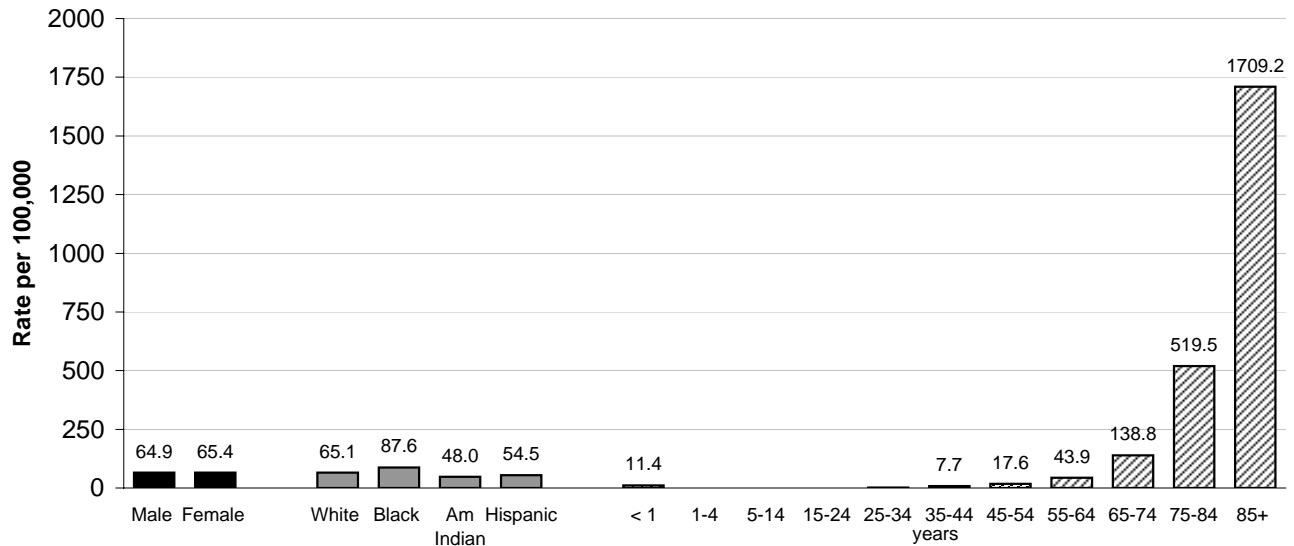


Table 81. Number of deaths, age-adjusted death rate and years of potential life lost due to Cerebrovascular Disease Oklahoma and each County, 1999-2002

(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	9,694	13,854,846	70.0	69.6	15,317
Adair	79	84,557	93.4	108.4	312
Alfalfa	24	24,086	99.6	57.6	22
Atoka	34	55,611	61.1	55.8	17
Beaver	14	23,072	60.7	47.3	50
Beckham	118	79,426	148.6	118.0	190
Blaine	42	48,044	87.4	60.0	28
Bryan	76	146,512	51.9	44.1	89
Caddo	105	120,439	87.2	76.3	279
Canadian	181	355,465	50.9	72.9	216
Carter	148	183,134	80.8	66.5	309
Cherokee	113	170,963	66.1	76.7	253
Choctaw	45	60,876	73.9	54.1	32
Cimarron	6	12,344	48.6	31.9	3
Cleveland	356	843,375	42.2	69.4	711
Coal	10	23,965	41.7	32.7	42
Comanche	287	457,023	62.8	89.5	403
Cotton	36	26,126	137.8	86.2	9
Craig	46	59,169	77.7	62.8	76
Creek	185	271,618	68.1	72.7	245
Custer	71	103,117	68.9	60.5	49
Delaware	91	149,212	61.0	49.8	105
Dewey	34	18,817	180.7	92.1	14
Ellis	27	16,081	167.9	82.5	2
Garfield	235	230,459	102.0	77.3	144
Garvin	81	108,487	74.7	52.7	180
Grady	135	183,411	73.6	72.4	79
Grant	24	20,415	117.6	65.6	2
Greer	32	23,847	134.2	78.0	38
Harmon	18	12,797	140.7	86.8	52
Harper	21	14,057	149.4	94.9	56
Haskell	48	47,036	102.0	80.0	77
Hughes	47	56,234	83.6	57.2	56
Jackson	106	112,378	94.3	97.9	150
Jefferson	43	26,906	159.8	95.2	34
Johnston	28	41,931	66.8	56.1	129
Kay	186	191,520	97.1	72.3	205
Kingfisher	42	55,375	75.8	63.2	9
Kiowa	78	40,430	192.9	113.3	42
Latimer	22	42,461	51.8	43.3	7
Leflore	143	192,601	74.2	70.9	94

Table 81. Number of deaths, age-adjusted death rate and years of potential life lost due to Cerebrovascular Disease Oklahoma and each County, 1999-2002

(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	9,694	13,854,846	70.0	69.6	15,317
Lincoln	91	128,338	70.9	67.6	120
Logan	125	136,328	91.7	96.6	156
Love	30	35,351	84.9	66.1	33
McClain	64	111,491	57.4	65.8	40
McCurtain	98	137,192	71.4	68.5	190
McIntosh	58	78,106	74.3	49.0	69
Major	23	30,107	76.4	46.6	-
Marshall	36	53,125	67.8	50.9	73
Mayes	117	154,094	75.9	69.6	88
Murray	32	50,559	63.3	45.0	29
Muskogee	181	278,666	65.0	54.4	371
Noble	36	45,571	79.0	65.4	37
Nowata	39	42,485	91.8	69.6	69
Okfuskee	54	46,948	115.0	91.0	53
Oklahoma	1,832	2,656,902	69.0	74.5	3,819
Okmulgee	115	158,835	72.4	62.4	138
Osage	96	178,847	53.7	56.7	129
Ottawa	132	132,459	99.7	82.1	141
Pawnee	60	66,741	89.9	78.8	110
Payne	150	275,949	54.4	60.5	226
Pittsburg	105	175,438	59.9	46.4	153
Pontotoc	180	139,906	128.7	109.5	118
Pottawatomie	220	263,615	83.5	81.4	352
Pushmataha	36	46,746	77.0	57.2	66
Roger Mills	16	13,454	118.9	78.6	6
Rogers	179	289,298	61.9	77.0	323
Seminole	87	99,327	87.6	68.1	119
Sequoyah	131	156,971	83.5	88.6	74
Stephens	162	171,895	94.2	69.2	237
Texas	33	80,411	41.0	53.6	105
Tillman	31	36,841	84.1	46.0	-
Tulsa	1,345	2,263,991	59.4	65.9	2,513
Wagoner	92	233,621	39.4	58.1	158
Washington	159	196,209	81.0	60.5	187
Washita	39	45,930	84.9	57.0	32
Woods	42	35,746	117.5	60.0	1
Woodward	47	73,976	63.5	57.3	163
Unknown	4	-	-	-	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, 1999-2002

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	3,556	52.2	68.8	7,757	6,138	87.2	69.4	7,560
Adair	31	74.1	104.2	179	48	112.3	110.1	133
Alfalfa	8	58.7	47.8	4	16	153.0	67.1	18
Atoka	4	++	++	++	30	117.4	75.9	16
Beaver	7	60.1	59.4	50	7	61.3	34.3	-
Beckham	45	108.6	119.5	97	73	192.1	115.4	93
Blaine	16	60.9	61.7	28	26	119.3	56.0	-
Bryan	32	44.7	47.6	54	44	58.7	41.5	35
Caddo	45	75.0	82.3	156	60	99.3	69.8	123
Canadian	57	32.1	62.6	77	124	69.7	78.5	139
Carter	61	69.1	73.6	200	87	91.7	60.4	109
Cherokee	47	56.0	80.5	158	66	75.8	74.3	95
Choctaw	15	52.0	49.7	-	30	93.7	57.7	32
Cimarron	2	++	++	++	4	++	++	++
Cleveland	118	27.9	61.8	353	238	56.7	75.0	358
Coal	6	51.0	51.1	15	4	++	++	++
Comanche	111	46.9	93.0	139	176	79.9	86.5	264
Cotton	9	69.5	65.1	-	27	204.8	98.3	9
Craig	18	60.6	68.5	23	28	95.0	59.6	53
Creek	70	52.6	69.4	145	115	83.1	73.0	100
Custer	25	49.8	58.5	33	46	86.9	59.2	16
Delaware	22	30.0	28.7	30	69	91.0	64.8	75
Dewey	7	75.9	57.3	3	27	281.5	106.0	11
Ellis	14	176.3	117.5	-	13	159.7	65.8	2
Garfield	85	76.2	80.9	37	150	126.1	75.8	107
Garvin	34	65.0	58.8	158	47	83.7	47.5	22
Grady	46	51.3	67.7	34	89	94.9	73.6	45
Grant	10	100.5	71.7	-	14	133.8	63.0	2
Greer	13	98.5	94.0	8	19	178.5	77.3	30
Harmon	8	130.3	113.2	52	10	150.2	61.2	-
Harper	8	116.5	88.6	28	13	180.8	102.9	28
Haskell	18	78.0	80.1	25	30	125.2	84.6	52
Hughes	21	72.6	69.2	4	26	95.3	55.9	52
Jackson	37	66.1	101.4	40	69	122.3	97.2	110
Jefferson	13	99.3	83.7	14	30	217.1	109.1	20
Johnston	12	58.2	57.5	70	16	75.1	51.1	59
Kay	75	80.9	78.5	121	111	112.4	66.0	84
Kingfisher	16	59.3	68.2	8	26	91.6	61.0	1
Kiowa	23	116.1	99.9	34	55	266.7	117.7	8
Latimer	6	28.6	23.2	-	16	74.4	54.4	7
Leflore	51	53.1	67.1	52	92	95.3	73.2	42

++ 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, 1999-2002

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	3,556	52.2	68.8	7,757	6,138	87.2	69.4	7,560
Lincoln	35	55.2	68.4	19	56	86.2	67.8	101
Logan	44	65.3	97.5	122	81	117.6	95.4	34
Love	16	91.3	88.2	33	14	78.6	53.1	-
McClain	9	61.4	51.4	-	14	90.7	44.6	-
McCurtain	13	49.7	56.0	28	23	85.3	54.0	45
McIntosh	56	73.3	86.3	37	61	78.5	58.9	51
Major	27	48.7	72.3	11	37	66.1	60.5	29
Marshall	38	57.5	67.6	142	60	84.4	64.9	48
Mayer	23	61.7	48.5	30	35	85.8	48.7	39
Murray	19	76.3	62.9	25	13	50.7	30.4	4
Muskogee	76	56.5	62.6	275	105	72.8	47.5	96
Noble	12	53.3	58.0	23	24	104.1	67.6	14
Nowata	10	47.9	49.9	12	29	134.3	82.3	57
Okfuskee	22	91.0	97.9	24	32	140.6	85.5	29
Oklahoma	638	49.5	71.9	1,739	1,194	87.3	75.9	2,080
Okmulgee	45	58.0	67.1	88	70	86.1	60.0	50
Osage	32	35.4	51.1	54	64	72.3	61.7	75
Ottawa	53	82.4	84.6	81	79	115.9	78.4	60
Pawnee	23	69.8	77.4	67	37	109.5	79.3	43
Payne	54	38.5	60.4	56	96	70.8	59.7	170
Pittsburg	45	50.9	52.0	77	60	68.9	41.6	76
Pontotoc	60	89.0	113.1	40	120	165.5	104.8	78
Pottawatomie	75	58.7	75.0	153	145	106.7	84.1	199
Pushmataha	11	49.1	47.0	19	25	102.8	66.9	47
Roger Mills	4	++	++	++	12	177.5	96.8	-
Rogers	69	48.4	74.5	166	110	74.9	78.3	157
Seminole	26	54.1	51.9	65	61	119.0	75.2	54
Sequoyah	45	58.1	77.8	12	86	108.2	92.1	62
Stephens	56	67.3	63.6	168	106	119.5	70.0	69
Texas	11	26.6	42.0	73	22	56.4	61.2	32
Tillman	12	66.7	57.0	-	19	100.8	38.8	-
Tulsa	500	45.5	67.8	1,419	845	72.5	63.6	1,094
Wagoner	37	32.0	57.3	75	55	46.6	59.6	83
Washington	58	61.6	58.3	71	101	99.0	62.9	116
Washita	21	94.3	80.9	32	18	76.1	39.1	-
Woods	12	65.9	53.4	-	30	171.1	64.5	1
Woodward	22	59.4	68.5	85	25	67.7	50.6	78
Unknown	1	-	-	-	3	-	-	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 1980-2002

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	43.1
2000	1,425	3,454,408	41.3	40.4
2001	1,653	3,469,577	47.6	46.7
2002	1,534	3,493,714	43.9	43.1

Table 84. Unint'l Inj Deaths by Selected Demographics: OK, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	3,841	6,813,306	56.4	59.2
Female	2,282	7,041,540	32.4	29.1
White	3,722	11,248,345	33.1	31.3
Black	284	1,131,321	25.1	30.5
Am Indian	548	1,246,116	44.0	49.7
Other	28	229,064	12.2	13.6
Hispanic ¹	212	726,891	29.2	37.2
Under 1	48	192,196	25.0	-
1-4 years	112	751,471	14.9	-
5-14 years	197	1,958,207	10.1	-
15-24 years	944	2,087,360	45.2	-
25-34 years	671	1,817,381	36.9	-
35-44 years	899	2,066,748	43.5	-
45-54 years	724	1,851,299	39.1	-
55-64 years	496	1,300,351	38.1	-
65-74 years	554	969,862	57.1	-
75-84 years	715	629,224	113.6	-
85+ years	757	230,747	328.1	-

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 1999-2002

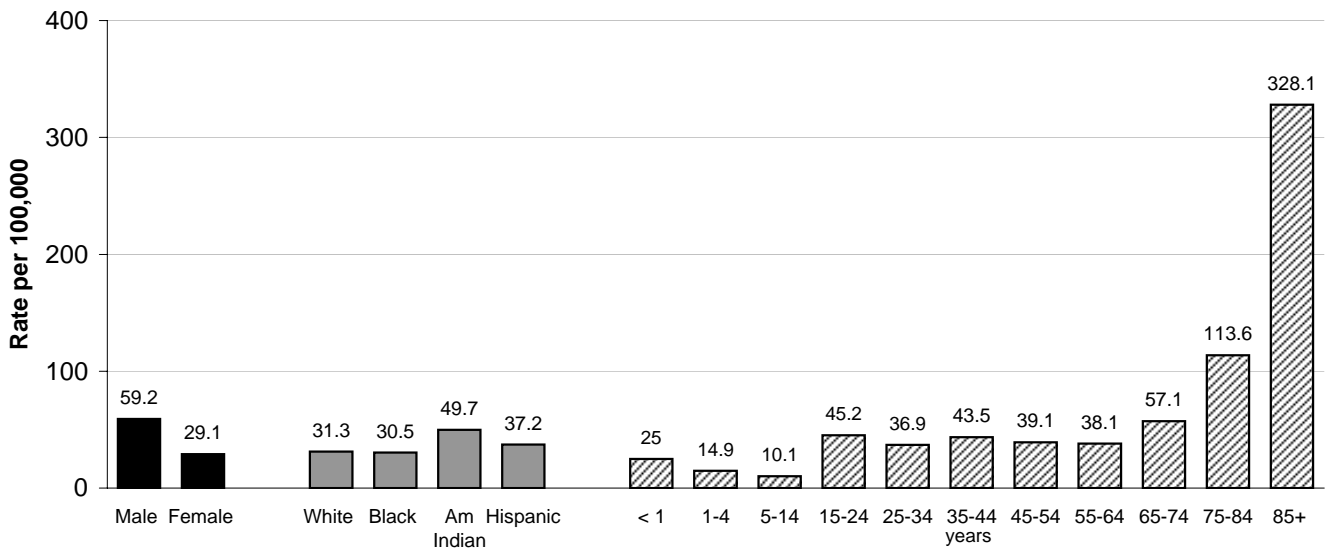


Table 85. Number of deaths, age-adjusted death rate and years of potential life lost due to Unintentional Injuries Oklahoma and each County, 1999-2002

(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	6,123	13,854,846	44.2	44.0	125,052
Adair	16	20,748	77.1	82.5	266
Alfalfa	3	6,244	++	++	-
Atoka	10	13,749	72.7	72.3	167
Beaver	8	6,039	132.5	129.0	109
Beckham	14	19,442	72.0	66.9	347
Blaine	8	11,832	67.6	59.1	93
Bryan	17	35,887	47.4	45.8	335
Caddo	18	30,483	59.0	57.4	409
Canadian	28	85,266	32.8	36.3	765
Carter	21	45,223	46.4	49.6	576
Cherokee	22	41,126	53.5	58.3	369
Choctaw	11	15,305	71.9	66.8	218
Cimarron	3	3,182	++	++	76
Cleveland	67	203,730	32.9	42.0	1,277
Coal	4	5,912	++	++	89
Comanche	37	115,577	32.0	35.3	1,000
Cotton	4	6,499	++	++	66
Craig	15	14,870	100.9	89.2	156
Creek	30	66,326	45.2	44.3	649
Custer	22	26,227	83.9	85.0	305
Delaware	17	35,675	47.7	53.2	418
Dewey	3	4,840	++	++	140
Ellis	1	4,174	++	++	49
Garfield	27	58,122	46.5	43.2	494
Garvin	18	26,967	66.7	59.0	270
Grady	24	44,999	53.3	53.5	506
Grant	6	5,278	113.7	103.6	124
Greer	5	6,016	83.1	69.4	91
Harmon	-	-	-	-	-
Harper	5	3,574	139.9	224.5	205
Haskell	15	11,652	128.7	113.4	269
Hughes	3	14,148	++	++	11
Jackson	4	28,955	++	++	94
Jefferson	8	6,918	115.6	81.9	75
Johnston	8	10,467	76.4	76.4	149
Kay	24	48,311	49.7	43.5	261
Kingfisher	6	13,857	43.3	35.4	102
Kiowa	12	10,430	115.1	79.2	69
Latimer	4	10,577	++	++	69
Leflore	29	47,674	60.8	59.9	394

++ 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, 1999-2002

(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	6,123	13,854,846	44.2	44.0	125,052
Lincoln	18	31,248	57.6	58.3	271
Logan	14	32,876	42.6	42.9	274
Love	9	8,724	103.2	99.7	129
McClain	12	26,825	44.7	49.8	315
McCurtain	16	34,420	46.5	47.7	358
McIntosh	13	19,017	68.4	61.6	189
Major	6	7,662	78.3	74.9	91
Marshall	10	12,870	77.7	72.2	149
Mayes	18	37,560	47.9	50.7	502
Murray	7	12,497	56.0	55.7	163
Muskogee	48	69,470	69.1	67.3	897
Noble	12	11,488	104.5	102.5	358
Nowata	5	10,350	48.3	45.2	62
Okfuskee	5	11,833	42.3	35.9	14
Oklahoma	245	650,289	37.7	38.8	4,564
Okmulgee	21	39,490	53.2	53.5	424
Osage	16	43,985	36.4	37.5	300
Ottawa	25	32,710	76.4	73.1	509
Pawnee	3	16,240	++	++	110
Payne	36	66,837	53.9	55.5	818
Pittsburg	28	43,428	64.5	58.6	515
Pontotoc	25	35,017	71.4	67.1	517
Pottawatomie	38	63,789	59.6	58.1	814
Pushmataha	8	11,532	69.4	65.3	148
Roger Mills	3	3,488	++	++	142
Rogers	25	66,778	37.4	39.5	525
Seminole	26	25,051	103.8	101.0	565
Sequoyah	24	38,293	62.7	63.9	543
Stephens	23	43,808	52.5	52.1	514
Texas	7	19,791	35.4	35.8	246
Tillman	4	9,507	++	++	59
Tulsa	201	554,563	36.2	37.9	3,807
Wagoner	19	55,675	34.1	35.1	745
Washington	19	48,847	38.9	38.4	452
Washita	6	11,692	51.3	54.3	153
Woods	6	9,130	65.7	48.1	77
Woodward	8	18,680	42.8	41.4	213
Unknown	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 86. Number of deaths, age-adjusted death rate and years of potential life lost due to Unintentional Injury by gender: Oklahoma and each County, 1999-2002

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	3,841	56.4	60.1	87,019	2,282	32.4	29.7	38,033
Adair	40	95.6	102.7	1,101	23	53.8	54.2	508
Alfalfa	6	44.0	54.9	183	5	47.8	38.5	62
Atoka	31	103.1	111.3	830	11	43.0	34.9	126
Beaver	11	94.5	105.5	261	7	61.3	56.9	76.0
Beckham	29	70.0	71.9	814	15	39.5	33.1	287
Blaine	27	102.8	102.4	709	14	64.2	52.6	230.0
Bryan	48	67.1	68.4	1,128	36	48.0	44.6	755
Caddo	45	75.0	79.3	970	38	62.9	56.4	659
Canadian	69	38.9	45.8	1,621	42	23.6	25.2	830
Carter	52	58.9	61.7	1,047	38	40.0	37.1	843
Cherokee	65	77.5	85.2	1,553	36	41.3	40.0	459
Choctaw	25	86.6	91.1	551.0	12	37.5	26.6	86
Cimarron	9	147.9	148.4	269.0	3	++	++	8
Cleveland	145	34.2	40.3	3,791	78	18.6	21.2	1,396
Coal	10	85.0	90.0	317	7	57.4	54.9	163
Comanche	92	38.9	49.8	2,358	47	21.3	22.4	784
Cotton	6	46.3	48.9	130.0	7	53.1	46.5	146
Craig	30	101.1	104.4	662	13	44.1	38.0	146
Creek	87	65.3	67.8	2,069	54	39.0	37.9	1,193
Custer	40	79.7	77.1	1,106	15	28.3	26.5	379
Delaware	37	50.4	51.4	649	33	43.5	42.1	603
Dewey	11	119.3	112.1	194	6	62.5	45.9	61
Ellis	6	75.6	72.5	116	4	++	++	14
Garfield	61	54.7	55.8	1,316	34	28.6	22.9	483
Garvin	43	82.2	81.6	1,099	26	46.3	35.6	348
Grady	64	71.4	75.5	1,576	45	48.0	44.1	804
Grant	11	110.6	94.1	159.0	4	++	++	23
Greer	7	53.0	52.9	135	6	56.4	47.1	140
Harmon	5	81.4	74.9	146	3	++	++	66
Harper	6	87.4	74.1	55	6	83.4	66.8	101
Haskell	21	91.0	97.4	595	15	62.6	50.8	190
Hughes	27	93.3	85.6	400	15	55.0	43.9	213
Jackson	24	42.9	48.8	523	17	30.1	28.5	366
Jefferson	13	99.3	90.9	211	3	++	++	52
Johnston	14	67.9	75.0	393	7	32.9	32.2	181
Kay	68	73.3	74.2	1,469	41	41.5	31.4	536
Kingfisher	22	81.5	82.7	613	15	52.9	49.8	346
Kiowa	20	101.0	103.8	482	4	++	++	128
Latimer	22	104.9	97.7	479.0	9	41.9	37.4	243
Leflore	81	84.3	85.2	1,948	45	46.6	44.5	834

++ 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, 1999-2002

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	3,841	56.4	60.1	87,019	2,282	32.4	29.7	38,033
Lincoln	39	61.5	63.5	984	23	35.4	33.7	424
Logan	27	40.0	44.1	695	21	30.5	30.4	582
Love	11	62.8	65.8	244	6	33.7	26.8	58.0
McClain	41	73.9	85.0	985.0	13	23.2	22.2	77.0
McCurtain	57	86.2	94.0	1,453	24	33.8	31.6	510
McIntosh	28	75.1	65.8	434	14	34.3	30.7	223
Major	8	54.6	53.6	235	5	32.4	24.2	113
Marshall	19	72.6	75.3	280	12	44.5	40.5	244
Mayer	73	95.6	103.8	1,435	38	48.9	44.0	671
Murray	22	88.3	90.1	461	14	54.6	43.8	193
Muskogee	79	58.8	61.6	1,780	50	34.7	30.3	799
Noble	14	62.2	63.4	192	12	52.0	40.5	98
Nowata	17	81.4	82.1	319	10	46.3	40.0	157
Okfuskee	13	53.7	51.6	194	15	65.9	58.8	312
Oklahoma	599	46.4	51.0	13,632	404	29.5	27.6	5,848
Okmulgee	51	65.8	71.0	803	27	33.2	30.6	529
Osage	51	56.4	62.6	1,238	29	32.8	30.9	476
Ottawa	40	62.2	63.8	1,105	28	41.1	33.4	294
Pawnee	27	81.9	85.6	614	13	38.5	36.0	203
Payne	69	49.2	60.2	1,564	34	25.1	24.6	529
Pittsburg	75	84.8	84.6	1,655	24	27.6	24.1	432
Pontotoc	38	56.4	58.7	829	25	34.5	31.8	593
Pottawatomie	79	61.9	68.0	1,747	49	36.1	32.8	774
Pushmataha	15	66.9	67.6	299	7	28.8	24.3	119
Roger Mills	5	74.7	78.1	184	3	++	++	-
Rogers	80	56.1	65.6	1,756	43	29.3	30.1	860
Seminole	48	99.9	99.8	944	15	29.3	26.0	270
Sequoyah	41	52.9	56.1	1,029	18	22.6	21.8	331
Stephens	62	74.5	75.9	1,121	34	38.3	34.1	566
Texas	23	55.6	59.9	578	9	23.1	23.9	124
Tillman	10	55.6	58.2	152.0	11	58.4	46.3	159.0
Tulsa	493	44.8	50.8	10,671	332	28.5	27.0	5,047
Wagoner	59	51.1	62.4	1,372	29	24.6	26.9	550
Washington	47	49.9	48.9	1,025	33	32.4	29.6	695
Washita	16	71.8	70.9	309	5	21.1	17.7	105.0
Woods	12	65.9	66.3	226	7	39.9	28.6	87
Woodward	20	54.0	54.6	366	5	13.5	13.2	87
Unknown	3	-	-	81	2	-	-	26

++ 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 1980-2002

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	26.6
2000	959	3,454,408	27.8	26.4
2001	1,042	3,469,577	30.0	28.4
2002	1,042	3,493,714	29.8	28.1

Table 88. Diabetes Deaths by Selected Demographics: Oklahoma, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	1,701	6,813,306	25.0	28.2
Female	2,301	7,041,540	32.7	26.7
White	3,121	11,248,345	27.7	23.9
Black	394	1,131,321	34.8	55.7
Am Indian	471	1,246,116	37.8	61.2
Other	14	229,064	6.1	19.8
Hispanic ¹	80	726,891	11.0	37.9
Under 1	-	192,196	-	-
1-4 years	-	751,471	-	-
5-14 years	1	1,958,207	++	-
15-24 years	14	2,087,360	0.7	-
25-34 years	29	1,817,381	1.6	-
35-44 years	140	2,066,748	6.8	-
45-54 years	343	1,851,299	18.5	-
55-64 years	549	1,300,351	42.2	-
65-74 years	917	969,862	94.5	-
75-84 years	1,242	629,224	197.4	-
85+ years	765	230,747	331.5	-

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 1999-2002

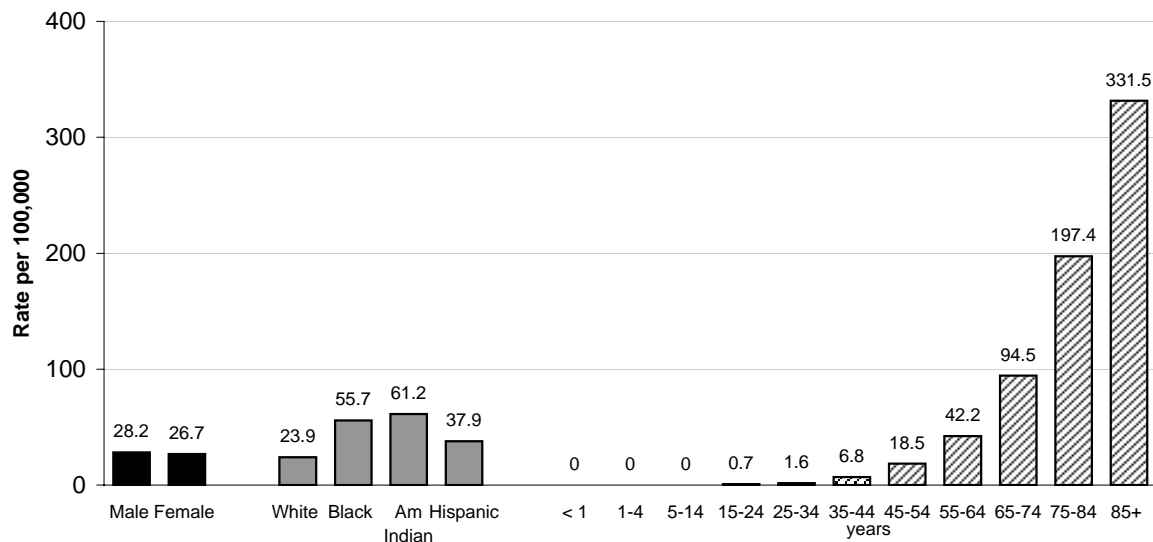


Table 89. Number of deaths, age-adjusted death rate and years of potential life lost due to Diabetes Oklahoma and each County, 1999-2002

(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	4,002	13,854,846	28.9	28.7	12,862
Adair	44	84,557	52.0	56.2	155
Alfalfa	9	24,086	37.4	26.6	20
Atoka	19	55,611	34.2	31.0	43
Beaver	8	23,072	34.7	25.0	2
Beckham	20	79,426	25.2	21.7	34
Blaine	20	48,044	41.6	33.9	42
Bryan	50	146,512	34.1	29.7	137
Caddo	68	120,439	56.5	50.6	229
Canadian	56	355,465	15.8	21.0	80
Carter	50	183,134	27.3	23.8	279
Cherokee	58	170,963	33.9	36.5	221
Choctaw	12	60,876	19.7	15.8	58
Cimarron	3	12,344	++	++	27
Cleveland	144	843,375	17.1	24.6	558
Coal	3	23,965	++	++	13
Comanche	103	457,023	22.5	30.3	293
Cotton	8	26,126	30.6	22.7	31
Craig	18	59,169	30.4	24.6	17
Creek	97	271,618	35.7	35.3	351
Custer	45	103,117	43.6	41.9	128
Delaware	52	149,212	34.8	28.3	210
Dewey	9	18,817	47.8	27.3	-
Ellis	13	16,081	80.8	47.2	44
Garfield	101	230,459	43.8	36.5	350
Garvin	42	108,487	38.7	29.2	108
Grady	42	183,411	22.9	22.5	131
Grant	15	20,415	73.5	46.8	37
Greer	5	23,847	21.0	16.6	12
Harmon	18	12,797	140.7	83.5	70
Harper	2	14,057	++	++	-
Haskell	28	47,036	59.5	45.2	13
Hughes	31	56,234	55.1	41.3	51
Jackson	18	112,378	16.0	17.2	99
Jefferson	16	26,906	59.5	37.7	15
Johnston	15	41,931	35.8	31.5	54
Kay	83	191,520	43.3	33.9	189
Kingfisher	25	55,375	45.1	38.2	24
Kiowa	22	40,430	54.4	34.9	24
Latimer	16	42,461	37.7	32.4	42
Leflore	55	192,601	28.6	27.4	224

++ 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, 1999-2002

(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	4,002	13,854,846	28.9	28.7	12,862
Lincoln	39	128,338	30.4	28.0	180
Logan	30	136,328	22.0	23.2	76
Love	9	35,351	25.5	20.3	13
McClain	26	111,491	23.3	24.2	91
McCurtain	73	137,192	53.2	51.0	247
McIntosh	28	78,106	35.8	23.7	60
Major	6	30,107	19.9	12.9	15
Marshall	20	53,125	37.6	26.9	15
Mayer	42	154,094	27.3	24.7	125
Murray	24	50,559	47.5	34.5	31
Muskogee	95	278,666	34.1	30.3	411
Noble	16	45,571	35.1	29.8	16
Nowata	9	42,485	21.2	16.6	5
Okfuskee	30	46,948	63.9	54.0	129
Oklahoma	715	2,656,902	26.9	28.7	2,505
Okmulgee	78	158,835	49.1	43.6	226
Osage	45	178,847	25.2	24.8	211
Ottawa	48	132,459	36.2	29.6	52
Pawnee	17	66,741	25.5	22.5	8
Payne	46	275,949	16.7	20.0	70
Pittsburg	37	175,438	21.1	17.1	170
Pontotoc	50	139,906	35.7	32.2	146
Pottawatomie	71	263,615	26.9	26.3	236
Pushmataha	12	46,746	25.7	17.5	27
Roger Mills	4	13,454	++	++	-
Rogers	73	289,298	25.2	29.0	295
Seminole	41	99,327	41.3	34.6	162
Sequoyah	41	156,971	26.1	25.8	156
Stephens	85	171,895	49.4	37.3	188
Texas	14	80,411	17.4	22.0	27
Tillman	25	36,841	67.9	45.7	36
Tulsa	557	2,263,991	24.6	26.8	2,195
Wagoner	51	233,621	21.8	29.1	213
Washington	64	196,209	32.6	24.3	70
Washita	16	45,930	34.8	22.7	-
Woods	8	35,746	22.4	14.3	29
Woodward	14	73,976	18.9	17.0	11

++ 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, 1999-2002

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	22	52.6	66.2	54	22	51.5	50.8	101
Alfalfa	4	++	++	2	5	47.8	36.2	18
Atoka	6	20.0	22.4	3	13	50.9	37.7	40
Beaver	7	60.1	53.2	2	1	++	++	-
Beckham	7	16.9	18.6	6	13	34.2	24.2	28
Blaine	5	19.0	21.3	-	15	68.8	45.2	42.0
Bryan	19	26.6	28.6	125	31	41.3	29.5	12
Caddo	32	53.3	56.4	160	36	59.6	45.1	69
Canadian	31	17.5	28.2	50	25	14.0	16.3	30
Carter	26	29.5	30.4	150	24	25.3	19.7	129
Cherokee	20	23.8	29.1	60	38	43.6	43.6	161
Choctaw	6	20.8	20.9	58.0	6	18.7	11.6	-
Cimarron	2	++	++	27.0	1	++	++	-
Cleveland	66	15.6	26.6	262	78	18.6	23.5	296
Coal	2	17.0	16.3	13	1	++	++	-
Comanche	49	20.7	33.8	177	54	24.5	27.2	116
Cotton	4	++	++	12.0	4	++	++	19
Craig	10	33.7	35.7	17	8	27.1	17.9	-
Creek	47	35.3	39.8	193	50	36.1	32.4	158
Custer	15	29.9	34.5	43	30	56.6	47.7	85
Delaware	26	35.4	32.8	142	26	34.3	25.2	68
Dewey	3	++	++	-	6	62.5	31.3	-
Ellis	5	63.0	44.0	25	8	98.3	44.4	19
Garfield	44	39.5	40.2	136	57	47.9	35.2	214
Garvin	18	34.4	31.2	61	24	42.7	29.3	47
Grady	15	16.7	20.2	44	27	28.8	24.2	87
Grant	8	80.4	61.4	32.0	7	66.9	34.4	5
Greer	2	++	++	8	3	++	++	4
Harmon	7	114.0	101.0	51	11	165.3	61.2	19
Harper	-	-	-	-	2	++	++	-
Haskell	8	34.7	31.0	4	20	83.5	52.9	9
Hughes	13	44.9	40.7	26	18	66.0	41.2	25
Jackson	4	++	++	11	14	24.8	22.7	88
Jefferson	7	53.5	42.0	15	9	65.1	32.9	-
Johnston	6	29.1	29.8	11	9	42.3	34.8	43
Kay	34	36.7	35.3	77	49	49.6	33.9	112
Kingfisher	10	37.0	42.6	13	15	52.9	37.1	11
Kiowa	6	30.3	26.1	12	16	77.6	41.5	12
Latimer	8	38.2	36.8	42.0	8	37.2	28.9	-
Leflore	25	26.0	27.3	132	30	31.1	26.5	92

++ 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, 1999-2002

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	16	25.2	27.3	119	23	35.4	29.9	61
Logan	9	13.3	15.2	76	21	30.5	26.9	-
Love	5	28.5	26.0	6	4	++	++	7.0
McClain	15	27.0	33.2	50.0	11	19.6	18.0	41.0
McCurtain	31	46.9	54.4	100	42	59.1	49.1	147
McIntosh	15	40.2	30.2	36	13	31.9	19.5	24
Major	3	20.5	17.1	10	3	++	++	5
Marshall	8	30.6	28.5	6	12	44.5	26.3	9
Mayer	21	27.5	28.8	76	21	27.0	21.6	49
Murray	9	36.1	30.9	18	15	58.5	39.2	13
Muskogee	31	23.1	24.2	223	64	44.4	33.9	188
Noble	6	26.7	26.1	16	10	43.4	29.2	-
Nowata	1	++	++	5	8	37.1	25.6	-
Okfuskee	15	62.0	69.3	76	15	65.9	49.7	53
Oklahoma	302	23.4	30.0	1,446	413	30.2	27.7	1,059
Okmulgee	26	33.5	34.2	104	52	64.0	48.7	122
Osage	20	22.1	23.3	148	25	28.3	24.4	63
Ottawa	18	28.0	26.1	34	30	44.0	30.7	18
Pawnee	8	24.3	23.7	8	9	26.6	20.4	-
Payne	25	17.8	27.1	70	21	15.5	15.1	-
Pittsburg	18	20.4	18.6	130	19	21.8	14.4	40
Pontotoc	25	37.1	41.0	102	25	34.5	26.0	44
Pottawatomie	28	21.9	25.1	140	43	31.6	26.7	96
Pushmataha	1	++	++	3	11	45.2	26.5	24
Roger Mills	1	++	++	-	3	++	++	-
Rogers	38	26.7	35.9	131	35	23.8	24.9	164
Seminole	15	31.2	30.1	93	26	50.7	38.4	69
Sequoyah	18	23.2	24.7	93	23	28.9	25.5	63
Stephens	31	37.3	32.4	68	54	60.9	41.4	120
Texas	7	16.9	23.8	13	7	17.9	20.1	14
Tillman	7	38.9	31.9	4.0	18	95.5	52.3	32.0
Tulsa	227	20.7	27.8	1,019	330	28.3	26.5	1,176
Wagoner	25	21.6	27.5	146	26	22.0	28.0	67
Washington	32	34.0	30.5	40	32	31.4	20.3	30
Washita	5	22.4	18.6	-	11	46.5	22.8	-
Woods	2	++	++	-	6	34.2	17.7	29
Woodward	8	21.6	23.7	11	6	16.3	10.8	-

++ 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 1980-2002

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	27.6
2000*	880	3,454,408	25.5	23.8
2001*	909	3,469,577	26.2	24.4
2002*	910	3,493,714	26.0	24.2

Table 92. Flu and Pneu Deaths by Selected Demographics: OK, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	1,572	6,813,306	23.1	29.9
Female	2,138	7,041,540	30.4	22.2
White	3,397	11,248,345	30.2	25.3
Black	162	1,131,321	14.3	23.0
Am Indian	143	1,246,116	11.5	21.3
Other	4	229,064	1.7	4.7
Hispanic ¹	29	726,891	4.0	17.1
Under 1	11	192,196	6	-
1-4 years	4	751,471	++	-
5-14 years	7	1,958,207	0.4	-
15-24 years	10	2,087,360	0.5	-
25-34 years	16	1,817,381	0.9	-
35-44 years	65	2,066,748	3.1	-
45-54 years	95	1,851,299	5.1	-
55-64 years	180	1,300,351	13.8	-
65-74 years	409	969,862	42.2	-
75-84 years	1,066	629,224	169.4	-
85+ years	1,846	230,747	800.0	-

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 1999-2002

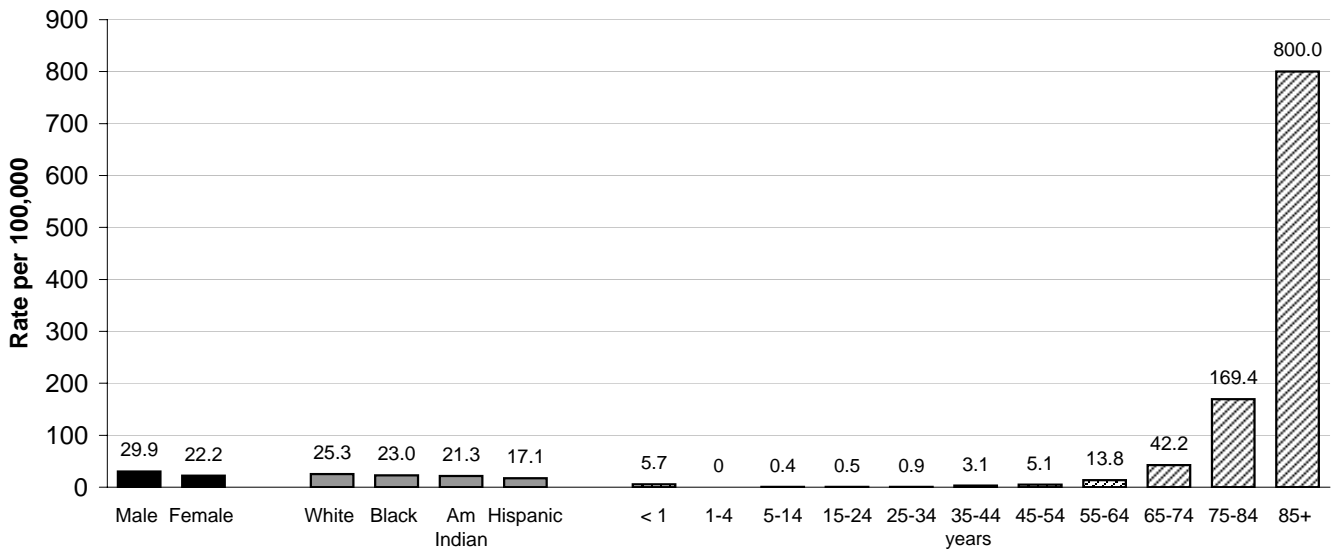


Table 93. Number of deaths, age-adjusted death rate and years of potential life lost due to Influenza and Pneumonia Oklahoma and each County, 1999-2002

(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	3,710	13,854,846	26.8	26.6	6,347
Adair	27	84,557	31.9	39.1	65
Alfalfa	36	24,086	149.5	78.5	26
Atoka	26	55,611	46.8	42.8	4
Beaver	9	23,072	39.0	29.7	2
Beckham	29	79,426	36.5	28.5	77
Blaine	21	48,044	43.7	30.4	23
Bryan	42	146,512	28.7	23.8	93
Caddo	46	120,439	38.2	32.8	122
Canadian	65	355,465	18.3	25.8	187
Carter	67	183,134	36.6	29.8	125
Cherokee	45	170,963	26.3	30.8	65
Choctaw	31	60,876	50.9	36.2	52
Cimarron	3	12,344	++	++	-
Cleveland	130	843,375	15.4	25.6	276
Coal	2	23,965	++	++	-
Comanche	105	457,023	23.0	32.9	181
Cotton	4	26,126	++	++	-
Craig	32	59,169	54.1	43.9	43
Creek	68	271,618	25.0	26.9	120
Custer	51	103,117	49.5	43.7	50
Delaware	32	149,212	21.4	17.6	8
Dewey	11	18,817	58.5	31.4	46
Ellis	10	16,081	62.2	29.4	-
Garfield	110	230,459	47.7	35.7	119
Garvin	44	108,487	40.6	27.6	94
Grady	43	183,411	23.4	22.7	35
Grant	6	20,415	29.4	15.1	-
Greer	13	23,847	54.5	29.5	-
Harmon	8	12,797	62.5	26.3	-
Harper	3	14,057	++	++	-
Haskell	28	47,036	59.5	47.1	60
Hughes	22	56,234	39.1	24.8	-
Jackson	43	112,378	38.3	40.1	23
Jefferson	12	26,906	44.6	26.8	11
Johnston	24	41,931	57.2	47.0	19
Kay	55	191,520	28.7	21.1	89
Kingfisher	23	55,375	41.5	32.6	9
Kiowa	20	40,430	49.5	29.4	44
Latimer	15	42,461	35.3	29.1	9
Leflore	84	192,601	43.6	41.4	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, 1999-2002

(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	3,710	13,854,846	26.8	26.6	6,347
Lincoln	51	128,338	39.7	38.2	29
Logan	29	136,328	21.3	22.0	2
Love	17	35,351	48.1	36.6	-
McClain	39	111,491	35.0	41.2	7
McCurtain	35	137,192	25.5	24.7	168
McIntosh	40	78,106	51.2	36.0	121
Major	8	30,107	26.6	15.3	-
Marshall	15	53,125	28.2	20.5	20
Mayes	33	154,094	21.4	20.5	90
Murray	37	50,559	73.2	52.4	60
Muskogee	93	278,666	33.4	27.2	131
Noble	28	45,571	61.4	50.7	27
Nowata	17	42,485	40.0	29.6	24
Okfuskee	14	46,948	29.8	23.8	23
Oklahoma	530	2,656,902	19.9	21.6	1,217
Okmulgee	51	158,835	32.1	27.5	82
Osage	30	178,847	16.8	17.9	15
Ottawa	43	132,459	32.5	27.5	106
Pawnee	18	66,741	27.0	23.6	21
Payne	62	275,949	22.5	24.6	58
Pittsburg	78	175,438	44.5	34.0	135
Pontotoc	59	139,906	42.2	35.7	13
Pottawatomie	83	263,615	31.5	30.5	113
Pushmataha	22	46,746	47.1	32.4	4
Roger Mills	3	13,454	++	++	-
Rogers	55	289,298	19.0	23.8	101
Seminole	31	99,327	31.2	24.9	87
Sequoyah	33	156,971	21.0	22.0	12
Stephens	43	171,895	25.0	18.1	27
Texas	16	80,411	19.9	26.5	26
Tillman	18	36,841	48.9	29.9	70
Tulsa	414	2,263,991	18.3	20.3	1,030
Wagoner	37	233,621	15.8	24.2	96
Washington	75	196,209	38.2	29.3	156
Washita	16	45,930	34.8	21.6	13
Woods	71	35,746	198.6	101.4	23
Woodward	19	73,976	25.7	22.9	48
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, 1999-2002

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	1,572	23.1	31.9	3,603	2,138	30.4	23.7	2,744
Adair	9	21.5	35.6	34	18	42.1	41.5	31
Alfalfa	13	95.4	80.9	22	23	220.0	79.0	4
Atoka	13	43.3	60.6	4	13	50.9	32.7	-
Beaver	4	++	++	-	5	43.8	28.0	2
Beckham	11	26.6	28.9	23	18	47.4	27.6	54
Blaine	11	41.9	41.1	23	10	45.9	22.3	-
Bryan	13	18.2	20.5	28	29	38.7	26.0	65
Caddo	21	35.0	39.9	94	25	41.4	27.2	28
Canadian	28	15.8	30.6	142	37	20.8	23.1	45
Carter	28	31.7	35.0	45	39	41.1	27.1	80
Cherokee	22	26.2	37.0	65	23	26.4	25.1	-
Choctaw	7	24.2	23.4	4.0	24	75.0	43.2	48
Cimarron	-	-	-	-	3	++	++	-
Cleveland	55	13.0	28.0	140	75	17.9	23.4	136
Coal	-	-	-	-	2	++	++	-
Comanche	46	19.4	36.4	143	59	26.8	28.6	38
Cotton	3	++	++	-	1	++	++	-
Craig	11	37.1	40.4	31	21	71.2	45.2	12
Creek	26	19.5	26.1	100	42	30.3	26.3	20
Custer	18	35.9	42.7	38	33	62.3	43.7	12
Delaware	11	15.0	15.9	-	21	27.7	19.5	8
Dewey	4	++	++	46	7	73.0	32.0	-
Ellis	3	++	++	-	7	86.0	36.0	-
Garfield	54	48.4	52.8	94	56	47.1	27.6	25
Garvin	18	34.4	31.5	58	26	46.3	25.8	36
Grady	10	11.2	15.8	7	33	35.2	26.8	28
Grant	5	50.3	27.0	-	1	++	++	-
Greer	4	++	++	-	9	84.5	29.1	-
Harmon	-	-	-	-	8	120.2	37.4	-
Harper	1	++	++	-	2	++	++	-
Haskell	12	52.0	58.1	34	16	66.8	41.4	26
Hughes	12	41.5	38.4	-	10	36.6	16.0	-
Jackson	19	34.0	53.6	-	24	42.5	36.0	23
Jefferson	7	53.5	43.8	8	5	36.2	16.9	3
Johnston	12	58.2	63.4	2	12	56.3	39.8	17
Kay	25	27.0	27.9	83	30	30.4	16.3	6
Kingfisher	9	33.3	42.5	4	14	49.3	28.3	5
Kiowa	8	40.4	35.1	23	12	58.2	28.2	21
Latimer	11	52.5	43.1	9.0	4	++	++	-
Leflore	33	34.4	42.0	54	51	52.8	39.5	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, 1999-2002

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	1,572	23.1	31.9	3,603	2,138	30.4	23.7	2,744
Lincoln	15	23.7	28.2	16	36	55.4	42.2	13
Logan	17	25.2	42.2	-	12	17.4	14.3	2
Love	5	28.5	29.3	-	12	67.3	41.4	-
McClain	19	34.3	57.4	1.0	20	35.7	30.7	6.0
McCurtain	13	19.7	25.0	85	22	31.0	24.3	83
McIntosh	17	45.6	43.2	121	23	56.4	30.9	-
Major	4	++	++	-	4	++	++	-
Marshall	7	26.7	25.7	-	8	29.7	18.9	20
Mayes	12	15.7	20.3	80	21	27.0	19.3	10
Murray	18	72.3	66.2	46	19	74.1	42.7	14
Muskogee	41	30.5	37.2	21	52	36.0	22.7	110
Noble	11	48.9	56.7	10	17	73.7	50.3	17
Nowata	11	52.6	57.8	24	6	27.8	13.5	-
Okfuskee	8	33.1	42.3	-	6	26.4	18.0	23
Oklahoma	245	19.0	28.1	672	285	20.8	17.9	545
Okmulgee	22	28.4	33.8	28	29	35.7	24.6	54
Osage	13	14.4	21.9	-	17	19.2	16.3	15
Ottawa	22	34.2	40.9	67	21	30.8	21.4	39
Pawnee	8	24.3	26.3	20	10	29.6	21.7	1
Payne	26	18.5	29.5	40	36	26.5	21.3	18
Pittsburg	25	28.3	32.9	43	53	60.9	35.8	92
Pontotoc	19	28.2	37.8	9	40	55.2	35.0	4
Pottawatomie	40	31.3	42.9	61	43	31.6	24.6	52
Pushmataha	10	44.6	41.9	4	12	49.3	26.8	-
Roger Mills	1	++	++	-	2	++	++	-
Rogers	22	15.4	24.3	17	33	22.5	23.6	84
Seminole	19	39.5	40.0	69	12	23.4	15.3	18
Sequoyah	14	18.1	22.7	6	19	23.9	20.3	6
Stephens	14	16.8	17.0	21	29	32.7	19.1	6
Texas	8	19.3	36.2	-	8	20.5	21.5	26
Tillman	8	44.4	40.2	64.0	10	53.1	25.1	6.0
Tulsa	164	14.9	23.4	554	250	21.5	18.6	476
Wagoner	16	13.9	24.2	54	21	17.8	23.7	42
Washington	36	38.2	40.3	94	39	38.2	24.0	62
Washita	4	++	++	-	12	50.7	24.8	13
Woods	29	159.3	132.2	18	42	239.5	88.2	5
Woodward	11	29.7	35.7	-	8	21.7	16.2	48

++ 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 1980-2002

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	3,454,408	5.6	5.7
2001	208	3,469,577	6.0	6.0
2002	181	3,493,714	5.2	5.2

Table 96. Homicide Deaths by Selected Demographics: Oklahoma, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	577	6,813,306	8.5	8.3
Female	229	7,041,540	3.3	3.3
White	504	11,248,345	4.5	4.5
Black	211	1,131,321	18.7	18.1
Am Indian	83	1,246,116	6.7	6.9
Other	7	229,064	3.1	3.3
Hispanic ¹	57	726,891	7.8	6.2
Under 1	19	192,196	9.9	-
1-4 years	20	751,471	2.7	-
5-14 years	14	1,958,207	0.7	-
15-24 years	204	2,087,360	9.8	-
25-34 years	178	1,817,381	9.8	-
35-44 years	153	2,066,748	7.4	-
45-54 years	93	1,851,299	5.0	-
55-64 years	69	1,300,351	5.3	-
65-74 years	26	969,862	2.7	-
75-84 years	23	629,224	3.7	-
85+ years	7	230,747	3.0	-

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 1999-2002

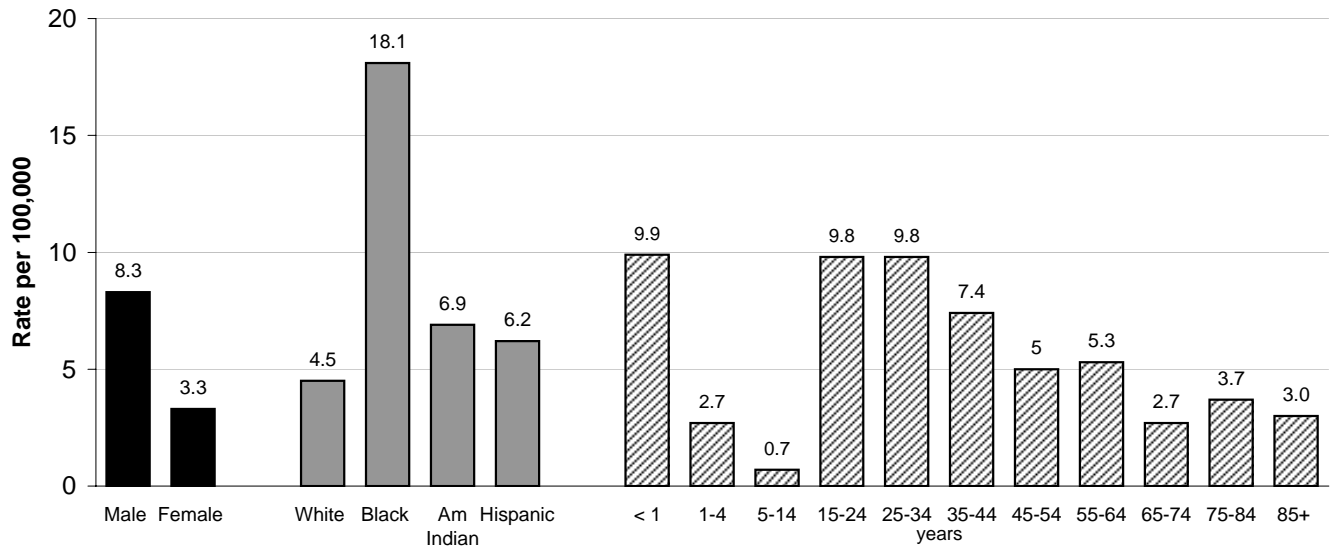


Table 97. Number of deaths, age-adjusted death rate and years of potential life lost due to Homicide Oklahoma and each County, 1999-2002

(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	806	13,854,846	5.8	5.8	24,564
Adair	12	84,557	14.2	15.1	345
Alfalfa	-	-	-	-	-
Atoka	1	55,611	++	++	-
Beaver	-	-	-	-	-
Beckham	3	79,426	++	++	57
Blaine	3	48,044	++	++	115
Bryan	7	146,512	4.8	4.9	207
Caddo	6	120,439	5.0	5.3	139
Canadian	13	355,465	3.7	3.5	418
Carter	10	183,134	5.5	5.9	324
Cherokee	8	170,963	4.7	4.5	249
Choctaw	7	60,876	11.5	12.6	262
Cimarron	-	-	-	-	-
Cleveland	7	843,375	0.8	0.8	227
Coal	3	23,965	++	++	83
Comanche	33	457,023	7.2	7.0	1,023
Cotton	-	-	-	-	-
Craig	6	59,169	10.1	9.8	124
Creek	18	271,618	6.6	6.7	574
Custer	3	103,117	++	++	107
Delaware	4	149,212	++	++	108
Dewey	1	18,817	++	++	31
Ellis	1	16,081	++	++	39
Garfield	7	230,459	3.0	3.1	236
Garvin	5	108,487	4.6	5.1	152
Grady	11	183,411	6.0	6.1	347
Grant	1	20,415	++	++	-
Greer	2	23,847	++	++	37
Harmon	1	12,797	++	++	7
Harper	-	-	-	-	-
Haskell	5	47,036	10.6	9.9	72
Hughes	2	56,234	++	++	81
Jackson	9	112,378	8.0	8.6	221
Jefferson	1	26,906	++	++	15
Johnston	2	41,931	++	++	78
Kay	7	191,520	3.7	3.5	146
Kingfisher	-	-	-	-	-
Kiowa	3	40,430	++	++	46
Latimer	-	-	-	-	-
Leflore	20	192,601	10.4	10.5	402

++ 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, 1999-2002

(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	806	13,854,846	5.8	5.8	24,564
Lincoln	5	128,338	3.9	3.7	133
Logan	3	136,328	++	++	-
Love	2	35,351	++	++	53
McClain	6	111,491	5.4	6.0	198
McCurtain	16	137,192	11.7	12.1	377
McIntosh	10	78,106	12.8	11.2	123
Major	-	-	-	-	-
Marshall	2	53,125	++	++	32
Mayes	7	154,094	4.5	4.8	215
Murray	2	50,559	++	++	79
Muskogee	27	278,666	9.7	10.0	786
Noble	1	45,571	++	++	46
Nowata	1	42,485	++	++	9
Okfuskee	1	46,948	++	++	39
Oklahoma	209	2,656,902	7.9	7.7	6,833
Okmulgee	12	158,835	7.6	8.3	405
Osage	5	178,847	2.8	2.7	135
Ottawa	7	132,459	5.3	5.8	188
Pawnee	2	66,741	++	++	71
Payne	4	275,949	++	++	109
Pittsburg	13	175,438	7.4	7.6	351
Pontotoc	18	139,906	12.9	12.8	485
Pottawatomie	15	263,615	5.7	5.7	439
Pushmataha	2	46,746	++	++	34
Roger Mills	1	13,454	++	++	-
Rogers	8	289,298	2.8	2.9	265
Seminole	8	99,327	8.1	9.0	328
Sequoyah	7	156,971	4.5	4.4	195
Stephens	3	171,895	++	++	113
Texas	1	80,411	++	++	41
Tillman	3	36,841	++	++	60
Tulsa	164	2,263,991	7.2	7.1	5,653
Wagoner	11	233,621	4.7	4.6	251
Washington	5	196,209	2.5	2.8	153
Washita					
Woods	1	35,746	++	++	48
Woodward	1	73,976	++	++	28
Unknown	1	-	-	-	17

++ 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, 1999-2002

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	577	8.5	8.3	17,948	229	3.3	3.3	6,616
Adair	12	28.7	31.5	345	-	-	-	-
Alfalfa	-	-	-	-	-	-	-	-
Atoka	1	++	++	-	-	-	-	-
Beaver	-	-	-	-	-	-	-	-
Beckham	3	++	++	57	-	-	-	-
Blaine	3	++	++	115	-	-	-	-
Bryan	5	7.0	7.2	139	2	++	++	68
Caddo	6	10.0	10.3	139	-	-	-	-
Canadian	6	3.4	3.1	153	7	3.9	3.8	265
Carter	8	9.1	9.7	237	2	++	++	87
Cherokee	6	7.2	6.5	217	2	++	++	32
Choctaw	4	++	++	120.0	3	++	++	142
Cimarron	-	-	-	-	-	-	-	-
Cleveland	5	1.2	1.1	185	2	++	++	42
Coal	2	++	++	66	1	++	++	17
Comanche	22	9.3	8.5	725	11	5.0	5.0	298
Cotton	-	-	-	-	-	-	-	-
Craig	2	++	++	25	4	++	++	99
Creek	9	6.8	6.8	250	9	6.5	6.7	324
Custer	1	++	++	32	2	++	++	75
Delaware	1	++	++	38	3	++	++	70
Dewey	1	++	++	31	-	-	-	-
Ellis	-	-	-	-	1	++	++	39
Garfield	5	4.5	4.4	197	2	++	++	39
Garvin	4	++	++	112	1	++	++	40
Grady	9	10.0	10.3	275	2	++	++	72
Grant	1	++	++	-	-	-	-	-
Greer	1	++	++	37	1	++	++	-
Harmon	-	-	-	-	1	++	++	7
Harper	-	-	-	-	-	-	-	-
Haskell	3	++	++	72	2	++	++	-
Hughes	1	++	++	19	1	++	++	62
Jackson	6	10.7	11.5	143	3	++	++	78
Jefferson	-	-	-	-	1	++	++	15
Johnston	1	++	++	36	1	++	++	42
Kay	4	++	++	129	3	++	++	17
Kingfisher	-	-	-	-	-	-	-	-
Kiowa	3	++	++	46	-	-	-	-
Latimer	-	-	-	-	-	-	-	-
Leflore	15	15.6	15.9	349	5	5.2	4.8	53

++ 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, 1999-2002

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	577	8.5	8.3	17,948	229	3.3	3.3	6,616
Lincoln	4	++	++	73	1	++	++	60
Logan	1	++	++	-	2	++	++	-
Love	1	++	++	27	1	++	++	26
McClain	4	++	++	108.0	2	++	++	90.0
McCurtain	11	16.6	17.1	263	5	7.0	7.4	114
McIntosh	7	18.8	19.4	119	3	++	++	4
Major	-	-	-	-	-	-	-	-
Marshall	2	++	++	-	-	-	-	-
Mayes	6	7.9	8.4	-	1	++	++	19
Murray	2	++	++	32	-	-	-	-
Muskogee	15	11.2	11.5	196	12	8.3	8.4	279
Noble	-	-	-	79	1	++	++	46
Nowata	-	-	-	507	1	++	++	9
Okfuskee	1	++	++	-	-	-	-	-
Oklahoma	153	11.9	11.6	-	56	4.1	4.0	1,796
Okmulgee	10	12.9	13.8	39	2	++	++	54
Osage	3	++	++	5,037	2	++	++	63
Ottawa	4	++	++	351	3	++	++	73
Pawnee	2	++	++	72	-	-	-	-
Payne	3	++	++	115	1	++	++	21
Pittsburg	12	13.6	13.1	71	1	++	++	47
Pontotoc	12	17.8	17.3	88	6	8.3	8.3	147
Pottawatomie	8	6.3	6.2	304	7	5.2	5.1	146
Pushmataha	2	++	++	338	-	-	-	-
Roger Mills	-	-	-	293	1	++	++	-
Rogers	5	3.5	3.5	34	3	++	++	117
Seminole	6	12.5	14.0	-	2	++	++	109
Sequoyah	4	++	++	148	3	++	++	75
Stephens	3	++	++	219	-	-	-	-
Texas	-	-	-	120	1	++	++	41
Tillman	3	++	++	113.0	-	-	-	-
Tulsa	128	11.6	11.3	-	36	3.1	3.1	1,211
Wagoner	9	7.8	7.5	60	2	++	++	33
Washington	3	++	++	4,442	2	++	++	53
Washita								
Woods	1	++	++	218	-	-	-	-
Woodward	1	++	++	100	-	-	-	-
Unknown	1	-	-	48	-	-	-	-

++ 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 1980-2002

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	3,437,147	13.2	13.3
2000	466	3,454,408	13.5	13.6
2001	506	3,469,577	14.6	14.6
2002	491	3,493,714	14.1	14.0

Table 100. Suicide Deaths by Selected Demographics: OK, 1999-2002

	Deaths	Population	Death Rate	Age-Adjusted Death Rate
Male	1,549	6,813,306	22.7	23.3
Female	368	7,041,540	5.2	5.3
White	1,725	11,248,345	15.3	15.1
Black	75	1,131,321	6.6	7.1
Am Indian	106	1,246,116	8.5	9.2
Other	8	229,064	3.5	4.5
Hispanic ¹	42	726,891	5.8	7.3
Under 1	-	192,196	-	-
1-4 years	-	751,471	-	-
5-14 years	20	1,958,207	1.0	-
15-24 years	282	2,087,360	13.5	-
25-34 years	351	1,817,381	19.3	-
35-44 years	425	2,066,748	20.6	-
45-54 years	350	1,851,299	18.9	-
55-64 years	183	1,300,351	14.1	-
65-74 years	134	969,862	13.8	-
75-84 years	132	629,224	21.0	-
85+ years	39	230,747	16.9	-

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 1999-2002

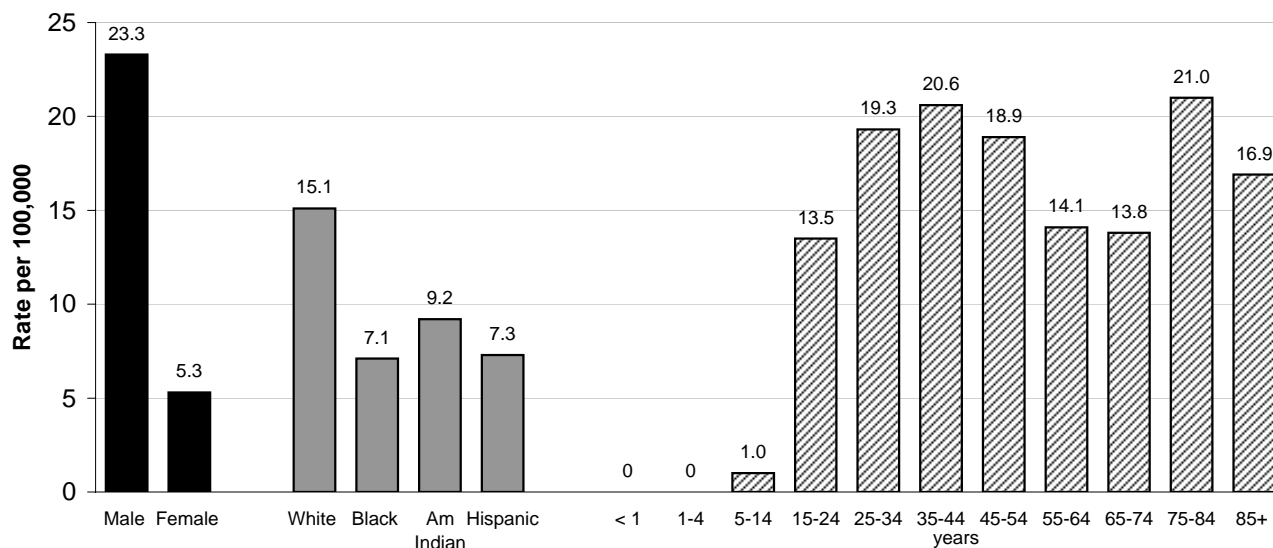


Table 101. Number of deaths, age-adjusted death rate and years of potential life lost due to Suicide Oklahoma and each County, 1999-2002

(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	1,917	13,854,846	13.8	13.8	43,639
Adair	11	84,557	13.0	13.2	239
Alfalfa	1	24,086	++	++	29
Atoka	7	55,611	12.6	12.1	133
Beaver	5	23,072	22	19	124
Beckham	12	79,426	15.1	14.6	273
Blaine	9	48,044	18.7	17.9	137
Bryan	21	146,512	14.3	14.1	416
Caddo	14	120,439	11.6	11.6	312
Canadian	47	355,465	13.2	14.1	1,071
Carter	28	183,134	15.3	15.6	650
Cherokee	16	170,963	9.4	9.5	338
Choctaw	10	60,876	16.4	17.8	244
Cimarron	2	12,344	++	++	57
Cleveland	82	843,375	9.7	9.8	1,985
Coal	3	23,965	++	++	51
Comanche	60	457,023	13.1	13.1	1,613
Cotton	7	26,126	27	27	145
Craig	9	59,169	15.2	16.3	262
Creek	42	271,618	15.5	16.2	1,060
Custer	8	103,117	7.8	8.5	150
Delaware	14	149,212	9.4	9.3	238
Dewey	7	18,817	37.2	31.0	63
Ellis	-	-	-	-	-
Garfield	34	230,459	14.8	14.8	800
Garvin	18	108,487	16.6	18.3	498
Grady	30	183,411	16.4	16.1	657
Grant	4	20,415	++	++	30
Greer	-	-	-	-	-
Harmon	2	12,797	++	++	42
Harper	1	14,057	++	++	30
Haskell	7	47,036	14.9	14.6	106
Hughes	5	56,234	8.9	9.6	176
Jackson	14	112,378	12.5	13.0	318
Jefferson	8	26,906	29.7	33.8	211
Johnston	5	41,931	11.9	13.0	109
Kay	25	191,520	13.1	13.6	606
Kingfisher	7	55,375	13	13	103
Kiowa	5	40,430	12.4	14.2	126
Latimer	7	42,461	17	18	199
Leflore	16	192,601	8.3	8.2	257

++ 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, 1999-2002

(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	1,917	13,854,846	13.8	13.8	43,639
Lincoln	22	128,338	17.1	17.5	489
Logan	12	136,328	8.8	8.9	194
Love	6	35,351	17.0	18.5	168
McClain	17	111,491	15.2	15.6	387
McCurtain	25	137,192	18.2	18.8	476
McIntosh	22	78,106	28.2	30.2	429
Major	5	30,107	17	14	71
Marshall	10	53,125	18.8	18.5	175
Mayes	27	154,094	17.5	17.9	599
Murray	11	50,559	21.8	22.8	290
Muskogee	38	278,666	13.6	13.8	943
Noble	5	45,571	11.0	10.8	100
Nowata	4	42,485	++	++	40
Okfuskee	5	46,948	10.7	10.9	113
Oklahoma	389	2,656,902	14.6	14.5	9,382
Okmulgee	20	158,835	12.6	12.9	536
Osage	25	178,847	14.0	14.4	498
Ottawa	28	132,459	21.1	21.2	569
Pawnee	9	66,741	13.5	13.2	131
Payne	25	275,949	9.1	10.6	573
Pittsburg	33	175,438	18.8	18.9	803
Pontotoc	30	139,906	21.4	21.9	739
Pottawatomie	38	263,615	14.4	14.5	586
Pushmataha	12	46,746	25.7	26.8	255
Roger Mills	3	13,454	++	++	76
Rogers	26	289,298	9.0	9.3	587
Seminole	14	99,327	14.1	14.2	283
Sequoyah	22	156,971	14.0	14.7	467
Stephens	30	171,895	17.5	17.0	557
Texas	8	80,411	9.9	10.5	181
Tillman	10	36,841	27.1	28.1	219
Tulsa	318	2,263,991	14.0	14.0	7,512
Wagoner	22	233,621	9.4	10.1	548
Washington	24	196,209	12.2	11.3	362
Washita	4	45,930	++	++	96
Woods	2	35,746	++	++	58
Woodward	10	73,976	13.5	13.8	202
Unknown	3	-	-	-	87

++ 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, 1999-2002

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	11	26.3	28.0	239	-	-	-	-
Alfalfa	1	++	++	29	-	-	-	-
Atoka	6	20.0	19.0	105	1	++	++	28
Beaver	5	42.9	38.0	124	-	-	-	-
Beckham	9	21.7	19.9	238	3	++	++	35
Blaine	9	34.3	34.7	137	-	-	-	-
Bryan	17	23.8	23.0	317	4	++	++	99
Caddo	13	21.7	21.9	268	1	++	++	44
Canadian	42	23.7	26.1	977	5	2.8	3.0	94
Carter	24	27.2	28.0	528	4	++	++	122
Cherokee	13	15.5	15.7	275	3	++	++	63
Choctaw	7	24.2	26.8	187.0	3	++	++	57
Cimarron	2	++	++	57	-	-	-	-
Cleveland	60	14.2	15.6	1,383	22	5.2	4.9	602
Coal	3	++	++	51	-	-	-	-
Comanche	50	21.1	22.0	1,366	10	4.5	4.6	247
Cotton	6	46.3	46.2	128	1	++	++	17
Craig	8	26.9	27.7	236	1	++	++	26
Creek	36	27.0	27.7	821	6	4.3	5.2	239
Custer	6	12.0	13.6	135	2	++	++	15
Delaware	13	17.7	18.0	238	1	++	++	-
Dewey	7	75.9	67.4	63	-	-	-	-
Ellis	-	-	-	-	-	-	-	-
Garfield	30	26.9	26.9	654	4	++	++	146
Garvin	14	26.8	28.7	360	4	++	++	138
Grady	23	25.7	26.3	529	7	7.5	6.9	128
Grant	4	++	++	30	-	-	-	-
Greer	-	-	-	-	-	-	-	-
Harmon	2	++	++	42	-	-	-	-
Harper	1	++	++	30	-	-	-	-
Haskell	7	30.3	30.4	106	-	-	-	-
Hughes	4	++	++	145	1	++	++	31
Jackson	12	21.4	23.8	288	2	++	++	30
Jefferson	8	61.1	66.8	211	-	-	-	-
Johnston	2	++	++	41	3	++	++	68
Kay	20	21.6	23.0	453	5	5.1	5.9	153
Kingfisher	5	18.5	17.6	51	2	++	++	52
Kiowa	5	25.2	27.8	126	-	-	-	-
Latimer	7	33.4	38.4	199.0	-	-	-	-
Leflore	15	15.6	16.4	240	1	++	++	17

++ 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, 1999-2002

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	20	31.5	32.5	438	2	++	++	51
Logan	7	10.4	10.5	92	5	7.3	7.2	102
Love	6	34.2	36.9	168	-	-	-	-
McClain	15	27.0	30.6	313.0	2	++	++	74.0
McCurtain	20	30.2	32.5	398	5	7.0	7.1	78
McIntosh	19	50.9	58.5	377	3	++	++	52
Major	5	34.1	30.7	71	-	-	-	-
Marshall	7	26.7	28.4	131	3	++	++	44
Mayer	23	30.1	32.6	537	4	++	++	62
Murray	7	28.1	29.0	182	4	++	++	108
Muskogee	33	24.6	25.5	818	5	3.5	3.6	125
Noble	5	22.2	21.9	100	-	-	-	-
Nowata	4	++	++	40	-	-	-	-
Okfuskee	4	++	++	91	1	++	++	22
Oklahoma	299	23.2	23.5	7,375	90	6.6	6.5	2,007
Okmulgee	16	20.6	20.9	457	4	++	++	79
Osage	19	21.0	22.1	368	6	6.8	7.1	130
Ottawa	24	37.3	38.1	475	4	++	++	94
Pawnee	7	21.2	22.0	110	2	++	++	21
Payne	21	15.0	18.2	489	4	++	++	84
Pittsburg	29	32.8	32.7	685	4	++	++	118
Pontotoc	22	32.6	33.3	568	8	11.0	11.2	171
Pottawatomie	27	21.1	23.5	389	11	8.1	8.1	197
Pushmataha	10	44.6	45.9	214	2	++	++	41
Roger Mills	3	++	++	76	-	-	-	-
Rogers	20	14.0	14.5	472	6	4.1	4.3	115
Seminole	13	27.0	27.4	265	1	++	++	18
Sequoyah	16	20.6	21.9	336	6	7.5	7.9	131
Stephens	29	34.8	34.6	553	1	++	++	4
Texas	4	++	++	124	4	++	++	57
Tillman	9	50.0	50.9	200.0	1	++	++	19.0
Tulsa	249	22.7	23.2	6,090	69	5.9	5.8	1,422
Wagoner	16	13.9	14.2	60	6	5.1	5.8	191
Washington	19	20.2	19.4	357	5	4.9	4.2	81
Washita	3	++	++	281	1	++	++	45
Woods	1	++	++	51	1	++	++	24
Woodward	9	24.3	25.6	34	1	++	++	19
Unknown	2	-	-	183	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, 2002

(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	23,644	92,358	113,463	122,006	126,808	478,279
Adair	209	646	816	907	854	3,432
Alfalfa	17	94	142	173	199	625
Atoka	49	298	391	439	448	1,625
Beaver	26	105	183	217	224	755
Beckham	120	497	565	667	674	2,523
Blaine	91	290	324	418	415	1,538
Bryan	274	972	1,132	1,263	1,328	4,969
Caddo	164	735	1,002	1,175	1,273	4,349
Canadian	573	2,280	3,156	3,472	3,623	13,104
Carter	297	1,272	1,492	1,625	1,609	6,295
Cherokee	338	1,183	1,359	1,495	1,943	6,318
Choctaw	97	381	476	570	529	2,053
Cimarron	15	71	95	127	116	424
Cleveland	1,142	5,138	6,535	7,115	8,577	28,507
Coal	15	136	210	228	203	792
Comanche	1,012	3,545	4,213	4,168	4,124	17,062
Cotton	24	134	211	217	220	806
Craig	73	315	388	521	481	1,778
Creek	415	1,734	2,319	2,639	2,549	9,656
Custer	151	586	722	779	1,162	3,400
Delaware	194	877	1,191	1,262	1,286	4,810
Dewey	25	86	109	141	180	541
Ellis	18	83	106	111	123	441
Garfield	409	1,482	1,822	1,951	1,921	7,585
Garvin	174	676	828	919	953	3,550
Grady	227	1,148	1,493	1,687	1,808	6,363
Grant	23	102	159	202	200	686
Greer	24	107	124	162	173	590
Harmon	7	67	88	101	134	397
Harper	18	61	106	105	130	420
Haskell	76	281	394	424	400	1,575
Hughes	80	313	428	414	438	1,673
Jackson	191	820	1,068	1,031	960	4,070
Jefferson	26	151	193	223	229	822
Johnston	43	247	352	336	386	1,364
Kay	336	1,232	1,604	1,670	1,823	6,665
Kingfisher	51	342	434	511	581	1,919
Kiowa	55	227	276	318	332	1,208
Latimer	50	250	324	386	475	1,485
Leflore	323	1,318	1,608	1,699	1,783	6,731

Table 103. Population estimates of children by age group: Oklahoma and each County, 2002

(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	23,644	92,358	113,463	122,006	126,808	478,279
Lincoln	183	805	1,053	1,260	1,236	4,537
Logan	151	739	1,018	1,128	1,581	4,617
Love	40	201	267	319	298	1,125
McClain	174	699	899	1,010	1,054	3,836
McCurtain	210	961	1,188	1,399	1,250	5,008
McIntosh	101	425	538	666	678	2,408
Major	32	144	217	258	267	918
Marshall	51	308	409	419	408	1,595
Mayes	246	1009	1223	1425	1403	5,306
Murray	52	276	364	345	432	1,469
Muskogee	502	1,875	2,337	2,366	2,470	9,550
Noble	62	284	352	413	399	1,510
Nowata	54	268	323	389	381	1,415
Okfuskee	89	282	356	359	451	1,537
Oklahoma	5,416	19,592	22,181	22,636	22,708	92,533
Okmulgee	250	1,031	1,330	1,485	1,447	5,543
Osage	258	1,071	1,428	1,646	1,626	6,029
Ottawa	264	856	1,033	1,225	1,206	4,584
Pawnee	95	408	510	640	642	2,295
Payne	379	1,427	1,627	1,693	3,472	8,598
Pittsburg	202	874	1,275	1,472	1,477	5,300
Pontotoc	284	925	1,082	1,241	1,188	4,720
Pottawatomie	395	1,726	2,155	2,313	2,522	9,111
Pushmataha	53	265	401	442	455	1,616
Roger Mills	28	75	89	84	111	387
Rogers	417	1,903	2,692	3,054	2,978	11,044
Seminole	187	640	802	917	935	3,481
Sequoyah	311	1,047	1,331	1,462	1,406	5,557
Stephens	225	986	1,279	1,429	1,463	5,382
Texas	199	674	712	724	792	3,101
Tillman	70	215	253	329	332	1,199
Tulsa	4,404	16,597	19,616	20,288	19,268	80,173
Wagoner	346	1,571	2,150	2,267	2,324	8,658
Washington	248	1,039	1,461	1,756	1,810	6,314
Washita	67	263	349	406	440	1,525
Woods	42	144	164	231	325	906
Woodward	113	471	561	642	707	2,494

Table 104. Female population estimates by age: Oklahoma and each County, 2002

(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	74,298	52,510	129,474	110,928	113,020	118,543	133,872
Adair	546	308	715	640	719	715	733
Alfalfa	122	77	115	70	123	154	164
Atoka	277	171	365	354	398	410	445
Beaver	130	94	116	105	154	176	251
Beckham	398	276	623	538	544	585	699
Blaine	269	146	317	242	256	291	386
Bryan	771	557	1,628	1,131	1,149	1,175	1,221
Caddo	807	466	919	705	830	1,012	1,106
Canadian	2,315	1,308	2,975	2,548	3,032	3,445	4,080
Carter	990	619	1,390	1,377	1,369	1,519	1,759
Cherokee	919	1,024	2,335	1,487	1,266	1,365	1,521
Choctaw	338	191	474	436	479	486	577
Cimarron	74	42	64	51	75	104	97
Cleveland	4,464	4,113	10,881	8,216	7,538	7,672	8,732
Coal	126	77	167	165	174	184	202
Comanche	2,386	1,738	4,299	3,848	3,882	3,897	4,096
Cotton	130	90	179	153	200	216	228
Craig	284	197	420	336	388	486	585
Creek	1,579	970	2,095	1,846	2,141	2,391	2,643
Custer	555	607	1,671	756	638	744	906
Delaware	822	464	1,087	1,024	1,054	1,154	1,321
Dewey	94	86	125	88	96	132	179
Ellis	73	50	79	78	92	105	126
Garfield	1,166	755	1,915	1,666	1,722	1,871	2,293
Garvin	580	373	845	749	834	839	1,018
Grady	1,035	773	1,753	1,339	1,502	1,675	1,914
Grant	118	82	111	108	119	161	189
Greer	98	75	144	97	124	140	169
Harmon	91	43	84	74	69	101	118
Harper	87	43	81	63	79	89	146
Haskell	221	179	360	321	335	370	388
Hughes	277	161	365	364	351	389	461
Jackson	577	383	975	816	902	1,092	1,046
Jefferson	135	94	164	171	169	208	239
Johnston	231	155	375	246	304	325	385
Kay	1,090	733	1,516	1,257	1,270	1,487	1,820
Kingfisher	342	239	406	335	349	468	593
Kiowa	208	124	281	206	230	303	376
Latimer	228	247	407	255	293	362	389
Leflore	1,079	704	1,637	1,391	1,466	1,614	1,755

Table 104. Female population estimates by age: Oklahoma and each County, 2002

(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	74,298	52,510	129,474	110,928	113,020	118,543	133,872
Lincoln	758	478	970	819	927	1,096	1,279
Logan	800	781	1,556	945	1,008	1,149	1,423
Love	179	119	227	228	240	291	331
McClain	671	383	819	775	884	1,042	1,258
McCurtain	749	501	1,079	973	1,105	1,186	1,197
McIntosh	427	251	554	468	500	588	663
Major	157	110	191	170	185	241	286
Marshall	255	153	394	359	372	402	469
Mayes	891	512	1,271	1,093	1,182	1,173	1,421
Murray	246	186	400	335	379	410	471
Muskogee	1,463	1,007	2,515	2,105	2,140	2,370	2,608
Noble	257	142	300	290	368	359	460
Nowata	243	138	296	267	302	353	399
Okfuskee	288	163	342	275	308	346	377
Oklahoma	13,446	9,262	26,408	25,390	24,211	23,220	25,907
Okmulgee	880	567	1,393	1,083	1,079	1,264	1,518
Osage	1,022	604	1,266	1,042	1,210	1,571	1,755
Ottawa	645	561	1,062	886	971	1,022	1,106
Pawnee	417	225	493	399	541	545	612
Payne	1,121	2,351	6,068	2,931	1,843	1,866	2,107
Pittsburg	913	564	1,181	1,034	1,235	1,393	1,523
Pontotoc	724	464	1,577	1,083	1,028	1,171	1,261
Pottawatomie	1,429	1,093	2,743	2,054	2,158	2,344	2,619
Pushmataha	279	176	304	279	314	430	448
Roger Mills	58	53	67	51	75	89	134
Rogers	1,865	1,113	2,433	2,126	2,439	2,832	3,171
Seminole	562	373	879	616	642	766	918
Sequoyah	880	526	1,250	1,158	1,295	1,401	1,482
Stephens	912	551	1,354	990	1,140	1,408	1,650
Texas	439	353	778	757	658	680	691
Tillman	215	117	229	180	246	286	300
Tulsa	11,665	7,603	19,806	20,213	20,947	20,474	22,719
Wagoner	1,436	888	1,964	1,692	2,004	2,192	2,588
Washington	1,106	704	1,428	1,284	1,396	1,534	1,868
Washita	273	167	352	271	300	373	436
Woods	180	145	488	191	160	198	278
Woodward	415	292	579	464	513	566	783

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

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

<i>113 Selected Causes</i>	<i>ICD-10</i>
Meningitis	G00,G03
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

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

<i>113 Selected Causes</i>	<i>ICD-10</i>
Inflammatory diseases of female pelvic organs	N70-N76
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

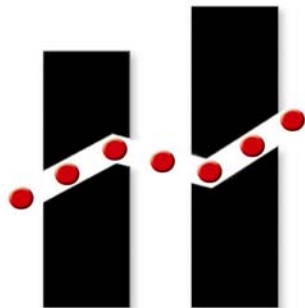
Assault (homicide)

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



HEALTH CARE INFORMATION

Oklahoma State Dept. of Health
1000 NE Tenth Street
Oklahoma City, OK 73117-1299

Health Care Information Division
405.271.6225
chsadmin@health.state.ok.us

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