



OKlahoma **S**tatistics on **H**ealth
Available fo**R** **E**veryone

www.health.ok.gov/ok2share

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Need for Health Data

Data is routinely collected

- Plan programs
- Evaluate their impact
- Promote policies to enhance the health of the public

Need rapid access to the information for community planning

- Researchers
- General public

Communities want to identify disparate subgroups of individuals who are locally at an increased risk for poor outcomes because of age, race, ethnicity, region or other demographic characteristic.



Health Status

Can be measured by:

- Birth and death rates
- Life expectancy
- Quality of life
- Morbidity from specific diseases
- Risk factors
- Use of ambulatory care and inpatient care
- Accessibility of health personnel and facilities
- Financing of health care
- Health insurance coverage





OKlahoma **S**tatistics on **H**ealth **A**vailable fo**R** **E**veryone

Promote instantaneous access to data collected throughout OSDH

Promote information-driven decision making

Queryable datasets currently include:

Vital Statistics

- Births
- Deaths
- Infant Death
- ITOP

Hospital & ASC

- Inpatient Hospital Discharge
- Hospital Outpatient Surgery
- ASC Surgery

Health Surveys

- BRFSS
Adult Risk Behaviors
- YRBS
Youth Risk Behaviors

Registries

- Cancer
Incidence / Mortality
- Injury
Discharges / Mortality



What is a Web Query?

User-friendly on-line program

- Create customized tables without delay
- Data can be broken down by various demographics
- Calculate rates for comparison to state or other communities
- No need for special software



How to Create A Query



Select "When"

Step1: Select Counties, Cities or the Entire State and Time Span (Required)

Time Span:

2008 to 2008

1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008



Select "Where"

Either Select "Entire State"

Entire State

Counties:

Adair
Alfalfa
Atoka
Beaver
Beckham

(Multiple)

Clear

OR

Or Select Individual Counties

Counties:

Adair
Alfalfa
Atoka
Beaver
Beckham

(Multiple)

Clear

Note: Hold "Shift" to select
NON-consecutive counties

Hold "Control" to select
consecutive counties



Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years: Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
None	None	None	
Level 1	Level 2	Level 3	Data
		Level 3	Data
	Level 2	Level 3	Data
		Level 3	Data

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates: None

Sorting

Sort By: None

Ascending

Descending

Bar Chart Graphics (Birth Counts Only): None (Not Available)

[Submit Request](#) [Reset Form](#)

Table Title

Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years	Combined					
	Combined					
	Separate / Individual					
Grouping Level 1:	None	Grouping Level 2:	None	Grouping Level 3:	None	Birth Count
Level 1	Level 2	Level 3	Level 3	Data		
			Level 3	Data		
	Level 2	Level 3	Level 3	Data		
			Level 3	Data		

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates

Sorting

Sort By:

Ascending

Descending

Bar Chart Graphics (Birth Counts Only): (Not Available)

Separate or Combine Years

Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
None	None	None	
Child's Gender	Level 2	Level 3	Data
Child's Weight		Level 3	Data
Mother's Race	Level 2	Level 3	Data
Mother's Hispanic Origin		Level 3	Data
Mother's Marital Status		Level 3	Data
Mother's Age		Level 3	Data
Mother's Education		Level 3	Data
Prenatal Care	Additional Statistics		
Adequate Care	<input type="checkbox"/>		
Plurality	<input type="checkbox"/>		
Previous Live Births	<input type="checkbox"/>		
Hosp/Inst	<input type="checkbox"/>		
County (Residence)	<input type="checkbox"/>		
County (Occurance)	<input type="checkbox"/>		
Planning District	<input type="checkbox"/>		
Region	<input type="checkbox"/>		
City (Residence)	<input type="checkbox"/>		
Alcohol Use	<input type="checkbox"/>		
Tobacco Use	<input type="checkbox"/>		
Gestational Age	<input type="checkbox"/>		
Prenatal Visits	<input type="checkbox"/>		
Method of Delivery	<input type="checkbox"/>		
Birth Interval <18	<input type="checkbox"/>		
Birth Interval <24	<input type="checkbox"/>		

Sorting

Ascending Descending

Bar Chart Graphics (Birth Counts Only): None (Not Available)

Choose 1-3 Variables

Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
Mother's Age	None	None	
Level 1	Level 2	Level 3	Data
		Level 3	Data
	Level 2	Level 3	Data
		Level 3	Data

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates None None Specific Rates

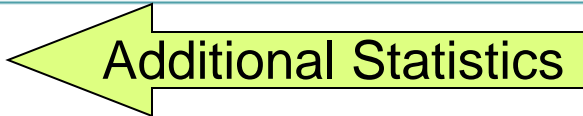
Sorting

Sort By: None

Ascending
 Descending

Bar Chart Graphics (Birth Counts Only): None (Not Available)

[Submit Request](#) [Reset Form](#)



Additional Statistics

Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
Mother's Age	None	None	
Level 1	Level 2	Level 3	Data
		Level 3	Data
	Level 2	Level 3	Data
		Level 3	Data

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates None

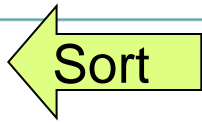
Sorting

Sort By:

- None
- None
- Frequency
- Percent
- Birth Rates

Bar Chart Graphics (Birth Counts Only): None (Not Available)

[Submit Request](#) [Reset Form](#)



Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
Mother's Age	None	None	
Level 1	Level 2	Level 3	Data
		Level 3	Data
	Level 2	Level 3	Data
		Level 3	Data

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates None

Sorting

Sort By: Percent

Ascending
 Descending

Sort Order ←

Bar Chart Graphics (Birth Counts Only): None (Not Available)

Submit Request Reset Form

Set Up Your Report

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
Mother's Age	None	None	
Level 1	Level 2	Level 3	Data
		Level 3	Data
	Level 2	Level 3	Data
		Level 3	Data

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates None

Sorting

Sort By: Percent

Ascending
 Descending

Chart Graphics (Birth Counts Only): None (Not Available)

Submit Request Reset Form

Charts (To come)

Submit

Report Title: Prenatal Care in Oklahoma by County: 2002-2008

Years Combined

Grouping Level 1:	Grouping Level 2:	Grouping Level 3:	Live Birth Count
Mother's Age	None	None	
Level 1	Level 2	Level 3	Data
		Level 3	Data
	Level 2	Level 3	Data
		Level 3	Data

Additional Statistics

Percent of Live Births

Birth Rates

Additional Rates None

Sorting

Sort By: Percent

Ascending
 Descending

Bar Chart Graphics (Birth Counts Only): None (Not Available)

Submit

Sample Query Results



Detailed Birth Statistics

Characteristics Selected for Records Search

Search Characteristic	Values Selected
Counties	Entire State (All Counties)
Years	2008

54,753 records matched the search criteria.



Sample Query Results

Total Live Births by County of Residence

	Live Births
County	
Adair	395
Alfalfa	58
Atoka	171
Beaver	58
Beckham	398
Blaine	156
Bryan	614
Caddo	412
Canadian	1,495
Carter	725
Cherokee	641



Sample Death Table

Leading Causes of Death, Cleveland County 2007

Percent of Deaths is calculated on a denominator that does not include UNKNOWN's.

Age-adjusted rates based on 2000 US population standard.

All rates are deaths per 100,000 population.

	Deaths	% State Deaths	Population	Death Rate	Age-Adjusted Death Rate	YPLL Before the Age of 65
ICD-10 Rankable Causes of Death						
Diseases of heart (I00-I09,I11,I13,I20-I51)	416	29.9	235,241	176.8	243.8	1,237
Malignant neoplasms (C00-C97)	374	26.8	235,241	159.0	198.1	1,283
Non Rankable Causes	216	.	235,241	91.8	129.8	1,030
Cerebrovascular diseases (I60-I69)	100	7.2	235,241	42.5	62.6	159
Chronic lower respiratory diseases (J40-J47)	99	7.1	235,241	42.1	54.9	247
Accidents (unintentional injuries) (V01-X59,Y85-Y86)	76	5.5	235,241	32.3	34.1	1,773



Sample Death Tables

Oklahoma American Indian Resident Deaths

All rates are deaths per 100,000 population.

	Deaths	Population	Death Rate	YPLL Before the Age of 65
Year				
2000	1,469	312,299	470.4	13,083
2001	1,582	313,178	505.1	14,965
2002	1,776	314,746	564.3	16,477
2003	1,767	316,607	558.1	15,450
2004	1,999	317,939	628.7	19,269
2005	2,186	320,095	682.9	20,778
2006	2,170	323,261	671.3	21,191
2007	2,239	325,866	687.1	21,856

Oklahoma IHS Revised Resident Deaths

All rates are deaths per 100,000 population.

	Deaths	Population	Death Rate	YPLL Before the Age of 65
Year				
2000	2,208	312,299	707.0	19,383
2001	2,338	313,178	746.5	21,034
2002	2,511	314,746	797.8	22,131
2003	2,554	316,607	806.7	21,651
2004	2,655	317,939	835.1	25,185
2005	2,852	320,095	891.0	26,326
2006	2,836	323,261	877.3	27,020
2007	2,973	325,866	912.3	27,508



Sample Linked Infant Death Table

Infant Deaths by Prenatal Care During Pregnancy 2004-2007

	Infant Deaths	Births	Death Rate
Prenatal Care			
UNKNOWN	116	5,207	14.60
No Prenatal Care	94	3,013	31.20
1st Trimester	1,172	158,698	7.39
2nd Trimester	287	36,706	7.82
3rd Trimester	58	8,264	7.02

Calculations may have been suppressed due to small cell size (less than 5 events)

Suggested Citation:

Oklahoma State Department of Health (OSDH), Center for Health Statistics, Health Care Information, Vital Statistics 2004 to 2007, on Oklahoma Statistics on Health Available for Everyone (OK2SHARE). Accessed at <http://www.health.ok.gov/ok2share> on 26JUL2011:16:26:57.



Sample Cancer Registry Table

OK Counties with the Highest Rates of Lung Cancer: 2006-2008

Age-adjusted rates based on 2000 US population standard.

All rates are cancers per 100,000 population.

County of Residence	Cancers	Population	Cancer Rate	Age-Adjusted Cancer Rate
Ellis	22	11,482	191.6	146.6
Haskell	53	36,426	145.5	115.1
Pushmataha	56	34,813	160.9	114.2
Garvin	121	81,157	149.1	114.2
Blaine	45	37,768	119.1	106.3
Ottawa	128	96,635	132.5	104.7
Choctaw	61	44,978	135.6	104.7
McIntosh	99	58,764	168.5	103.9
Tillman	32	24,295	131.7	102.1
Sequoyah	146	122,792	118.9	101.2
Creek	251	206,565	121.5	100.3
Alfalfa	25	16,720	149.5	99.1
McCurtain	116	100,428	115.5	99.0



Sample Discharge Table

Inpatient Discharges Admitted from ER by Pr Dx: Cleveland County, 2009

Most Frequent

	Discharges
Principal Diagnosis	
Heart diseases	1,658
Symptoms, signs, & ill-defined conditions	1,159
Diseases of digestive system residual	972
Diseases of the respiratory system residual	912
Pneumonia	717
Injury and poisoning residual	624
Diseases of genitourinary system residual	594
Fractures, all sites	577
Cerebrovascular diseases	546
Psychoses	505
Septicemia	321
Complications of pregnancy, childbirth, & puerperium residual	307
Diseases of circulatory system residual	290
Appendicitis	240
Mellulitis and abscess	230
Diabetes mellitus	215

Highest Avg Charges

	Discharges	Average Charges
Principal Diagnosis		
Septicemia	321	\$80,288.88
Malignant neoplasms	194	\$80,181.11
Fractures, all sites	577	\$61,202.38
Lacerations and open wounds	41	\$58,410.15

Longest Avg Length of Stay

	Discharges	Average Length of Stay (days)
Principal Diagnosis		
Malignant neoplasms	194	9.88
Septicemia	321	8.43
Psychoses	505	6.90
Diseases of central nervous system	164	6.87



Sample BRFSS Table

Weight Trends: Oklahoma

			WEIGHT			
			Normal	Overweight	Obese	Total
YEAR 1988	n		584	285	83	952
	N		1,403,444	738,059	202,567	2,344,070
	%		59.9	31.5	8.6	100.0
	CI		(56.3 - 63.4)	(28.0 - 34.9)	(6.6 - 10.7)	n/a

Percent of Normal weight adults is significantly lower in 2009 than in 1988.

			WEIGHT			
			Normal	Overweight	Obese	Total
YEAR 2009	n		2,521	2,726	2,347	7,594
	N		869,086	945,161	854,694	2,668,941
	%		32.6	35.4	32.0	100.0
	CI		(30.9 - 34.2)	(34.1 - 36.8)	(30.5 - 33.5)	n/a

Percent of Obese adults is significantly higher.





OKlahoma Statistics on Health Available for Everyone

Available Modules



Birth

Final 1975-2008...Prelim 2009-2011

- Year of event
- County of residence
- Infant Gender
- Gestational Age
- Birth weight
- Mother's age
- Mother's race
- Mother's Hispanic origin
- Mother's education level
- Mother's marital status
- Trimester PNC began
- Previous live births
- Plurality
- Method of delivery
- Tobacco/alcohol use during pg
- Gestation
- Birth Interval (<18, <24 mo)
- Prenatal Care Visits

- Counts
- Percentages
- General Rates
- Fertility/Specific Rates



Death

Final 1980-2007...Prelim 2008-2011

- Year of Event
- County of Residence
- County of Occurrence
- Gender
- Race
- IHS linked race 1985-2007
- Hispanic Origin
- Age
- Cause of Death
 - 39 Causes
 - Rankable Causes
 - 113 Causes
 - 130 Infant Causes
 - Rankable Infant Causes
- Counts
- Percentages
- General Rates
- Age Adjusted Rates
- Yrs of Potential Life Lost: 65, 75 & 85
- Sorting



Linked Birth & Infant Death

1999-2007

- Year of event
- County of residence
- Infant Gender (Birth & Death)
- Gestational Age
- Birth weight
- Parental ages
- Parental race/Hispanic origin
- Parental education level
- Mother's marital status
- Trimester PNC began
- Previous live births
- Plurality
- Method of delivery
- Tobacco/alcohol use during pg
- Gestation
- Birth Interval (<18, <24 mo)
- Prenatal Care Visits
- Infant race/Hispanic Origin (DC)
- Infant age at death
- Rankable Causes of Infant Death
- 130 Causes of Infant Death
- Manner of Death

• Rates

• Sorting



ITOP

Final 2002-2008...Prelim 2009-2011

- Year of Event
- County
- Race/Ethnicity
- Education
- Marital Status
- Age
- Previous ITOPS
- Previous Live Births
- Type of Procedure
- Gestational Age

• Percentages

• Ratios



Inpatient Discharge

2002-2009

- Year of Event
 - Hospital
 - County of Residence
 - Gender
 - Race
 - Age
 - Admission Type/Source
 - Discharge Status
 - Payer Group
 - Principal Diagnosis
 - Diagnosis Related Group
- Counts
 - Total Charges
 - Average Charges
 - Total Length of Stay
 - Average Length of Stay
 - Sorting



Hospital Outpatient Surgery

2006-2009

- Year of Event
- Hospital
- County of Residence
- Gender
- Race
- Age
- Discharge Status
- Payer Group
- Body System
- Procedures
- Counts & Percent
Procedure, Patient, or Encounter
- Sorting
Total, Average, 25th & 75th percentile
- Encounter Charges
Total, Average, 25th & 75th percentile



Ambulatory Surgery Centers

2006-2009

- Year of Event
- Hospital
- County of Residence
- Gender
- Race
- Age
- Discharge Status
- Payer Group
- Body System
- Procedures
- Counts & Percent
Procedure, Patient, or Encounter
- Sorting
Total, Average, 25th & 75th percentile
- Encounter Charges
Total, Average, 25th & 75th percentile



Adult Behavioral Risk (BRFSS)

1988-2009

- Year of Event
- Region
- County of Residence
- Gender
- Race/Ethnicity
- Age
- Income
- Marital Status
- Education
- Health Status
- Health Care Access
- Prostate Cancer Screening
- Colorectal Cancer Screening
- Cardiovascular Disease
- Hypertension Awareness
- Current Asthma
- Women's Health
- Weight Control
- Tobacco Use
- Alcohol Consumption
- Oral Health
- Immunizations
- Fire Arms
- Diabetes
- Arthritis
- Cholesterol

• Percentages

• Confidence Intervals



Youth Behavioral Risk (YRBS)

2003, 2005, 2007 & 2009

- Year of Event
- Gender
- Race/Ethnicity
- Age
- Grade
- Health Status
- Seat Belt
- Ride with Drinking Driver
- Fought/Sad
- Suicide (consider/attempt)
- Tobacco Use
- Alcohol Consumption
- Marijuana Use
- Sexual Activity
 - Ever / Current
 - Birth Control
- Weight
- Physical Activity
- TV
- Asthma

- Unweighted Counts
- Percentages

- Weighted Counts
- Confidence Intervals



Central Cancer Registry

Final 1997-2008...Prelim 2009-2010

- Year of event
- County of residence
- Gender
- Race
- Hispanic origin
- Age
- Insurance Coverage
- Primary Site of Cancer
- Stage
- Primary Site of Cancer

- Percentages
- Age-Adjusted Incidence Rates
- Cancer Incidence Rates
- Sorting



Cancer Mortality

Final 1999-2007...Prelim 2008-2010

- Year of Event
- County of Residence
- County of Occurrence
- Gender
- Race
- IHS linked race 1999-2007
- Hispanic Origin
- Age
- SEER Site Groups

- Counts
- Percentages
- General Rates
- Age Adjusted Rates
- Yrs of Potential Life Lost: 65, 75 & 85
- Sorting



Injury Inpatient Discharge

2002-2009

- Year of Event
 - County of Residence
 - Gender
 - Race
 - Age
 - Admission Type/Source
 - Discharge Status
 - Payer Group
 - Principal Diagnosis
 - Diagnosis Related Group
 - Mechanism / Cause Cat.
 - Manner / Intent Cat
- Counts
 - Total Charges
 - Average Charges
 - Total Length of Stay
 - Average Length of Stay
 - Sorting



Injury Mortality

1999-2007

- Year of Event
- County of Residence
- County of Occurrence
- Gender
- Race
- IHS linked race 1999-2007
- Hispanic Origin
- Age
- Underlying Cause of Death
- Nature of Injury
- Injury Intent

- Counts
- Percentages
- General Rates
- Age Adjusted Rates
- Yrs of Potential Life Lost: 65, 75 & 85
- Sorting



Injury Records

1990-2003

- Injury Type
- Cause/Location of Injury
- Injury Intent
- Patient Outcome
- County
- Year of Injury
- Gender
- Race
- Age

- Counts
- Injury Rates



New Modules

Under Construction

- Birth Defects
- Updated Injury Modules
- STDs
- HIV
- Inpt Safety Indicators
- Census/Population
- Updated Birth & Death



<http://www.health.ok.gov/ok2share>

