Cleveland County
Health Department

CLEVELAND COUNTY BOARD OF HEALTH
CLEVELAND COUNTY HEALTH DEPARTMENT
250 12th Avenue N.E., Norman, OK
Auditorium
2:00 p.m.

SPECIAL MEETING
November 27, 2018
AGENDA

I. Call to Order

II. Approval of 2019 Meeting Dates and Times

III. Strategic Planning Session

A. Updates
B. Healthy Living Block
C. Public Health Practice Proposals
D. Board of Health Discussion
E. Strategic Recommendations

IV. Adjourn

Cleveland County
Health Department

Board of Health Meeting
SPECIAL MEETING
Date: November 27, 2018

Members Present: Darry Stacy (Chairman), Todd Gibson, Michael Messerli, Pepper Martin, and Dr. Thomas Thurston

Members Absent: none

Others Present: Keith Reed, Natalie Dixon, Erin Turner, Meagan Walker, Elizabeth Moody, Tara Douglas, and Melody Bays

Notice of the meeting was posted in the front lobby of the Cleveland County Health Department from Tuesday, 11-20-18 through Tuesday, 11-27-18. Notice of this meeting was also on file at the Cleveland County Courthouse.

Darry Stacy called the meeting to order at 1:59p.m. with a quorum present.

Topic	Discussion	Action
Business: 2019 Board of Health Meeting dates	Natalie Dixon distributed copies of the proposed meeting dates for 2019 (please see attachment). Keith Reed, Administrator, presented the Official 2019 Meeting Dates to the Cleveland County Board of Health.	Motion was made by Michael Messerli and seconded by Dr. Thomas Thurston to approve the meeting dates as presented for 2019. All were in favor.
Strategic Planning Session: **Introduction**	Keith Reed welcomed the Cleveland County Board of Health members. Participating staff members introduced themselves. Keith Reed provided an update to progress of selecting the next Administrator, of the projects selected at the August 12th, 2015 meeting, of Caring 4 Tomorrow. Keith Reed introduced Tara Douglas as the facilitator.	
Healthy Living Block	Melody Bays, Executive Director of the Healthy Living Block, provided a brief history, and introduced Tara Douglas, co-Director of the Health Living Block.	

	Tara Douglas provided program opportunities and potential partners. A discussion was had regarding marketing firms, Tulsa, leveraging endowment opportunities, potential conflicts, equality of contribution, City-County health department, 63 O.S. § 1-210, and the cost of independence.	
Public Health Proposals:Social Health	Elizabeth Moody, Nutritionist, presented Block Party project, Earth Rebirth program, Mobile Food Truck/Food Rx project, and Summer Feeding Site program.	
Physical Health	Erin Turner, Health Educator, presented the University of Oklahoma Bike Share program.	
Reproductive Health	Erin Turner, Health Educator, presented the Condom Outreach project and the Parent Packet program. Meagan Walker, Social Worker, provided an update on the Birth Partners of Cleveland County, and presented the Women's Wellness Center project and the Community Baby Shower program.	
Community Health	Keith Reed, Administrator, presented the Community Health Worker project. Natalie Dixon, Accreditation Coordinator, presented the County Connections project.	
Strategic Recommendations	Tara Douglas, facilitator, reported that the Cleveland County Health Department Board of Health members decided that the Cleveland County Health Department should commit community health efforts towards the Mobile Food Truck/Food Rx project, Block Party project, and the Women's Wellness Center project.	
Adjournment:	Board of Health Meeting adjourned at 3:54pm	Motion was made by Pepper Martin. Motion was seconded by Michael Messerli. All in favor.

Cleveland County
Health Department

Chairman
Cleveland County Board of Health

Minutes prepared by Natalie Dixon, Accreditation Coordinator

Cleveland County
Health Department

COPY

Board of Health
Meeting Dates for 2019

The proposed meeting dates for the Cleveland County Board of Health for 2019:

Date	Time	Place of Meeting
1/8/2019	7:30am	Cleveland County Health Department, Norman
2/12/2019	7:30am	Cleveland County Health Department, Norman
3/12/2019	7:30am	Cleveland County Health Department, Norman
4/9/2019	7:30am	Cleveland County Health Department, Norman
5/14/2019	7:30am	Cleveland County Health Department, Norman
6/11/2019	7:30am	Cleveland County Health Department, Norman
7/9/2019	7:30am	Cleveland County Health Department, Norman
9/17/2019	7:30am	Cleveland County Health Department, Norman
10/8/2019	7:30am	Cleveland County Health Department, Norman
11/12/2019	7:30am	Cleveland County Health Department, Norman

Approved by:

Darry Stacy, Chairman

Todd Gibson

Pepper Martin, O.D.

Michael Messerli

Thomas Thurston, M.D.

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Oklahoma State Department of Health

State of the County's Health Report

#HealthierOK

Cleveland County

Summer 2017

Being healthy means optimizing all aspects of well-being, including physical, mental, and social well-being.[1] Health is influenced by a variety of personal, social, economic, and environmental factors called 'determinants of health',[2] such as our genetics, behaviors, where we live, and accessibility to health care. The determinants of health are inter-related, whereby changes in one determinant impact other determinants. As such, interventions and policies that target more than one determinant will have greater impact on our health.[2]

Oklahoma has historically ranked poorly in many key health indicators. The United Health Foundation ranked Oklahoma's overall health in 2016 as 45th in the United States in their annual *America's Health Rankings* report.[3] Most of the indicators in the report relate to conditions that Oklahomans live with every day, such as poverty and limited access to primary care. The report cited Oklahoma's high prevalence of smoking, uninsured, and premature death rate as some of the state's biggest challenges. Such conditions, along with risky health behaviors like smoking and physical inactivity, contribute to the poor health status of Oklahomans.

Recently, Oklahoma has experienced improvement in some key areas. Despite still having high prevalence of smoking, the rates have declined significantly over the past few years.[4] The rate of teen births has declined 39% in 6 years,[5] and the rate of infant deaths remains lower than it was in 2000.[6] The Oklahoma Health Improvement Plan (OHIP) encourages Oklahomans to work together across multiple health care systems to strengthen resources and infrastructure, enabling sustainable improvements in health status.[7] Every small step forward is progress leading to a #HealthierOK!

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	Oklahoma State Department of Health (OSDH)	Shape your Future Oklahoma	Cleveland County Health Department
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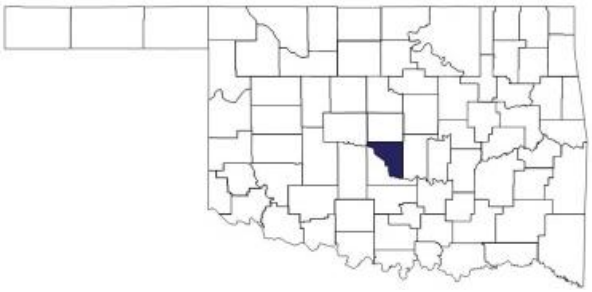
	@HealthyOklahoma	@shapefutureok	@clecountyhealth
	Youtube.com/user/HealthyOklahoma	Youtube.com/user/ShapeFutureOK	*N/A*

Contact Information

Keith Reed
Regional Director
Cleveland County Health Department
www.ok.gov/health



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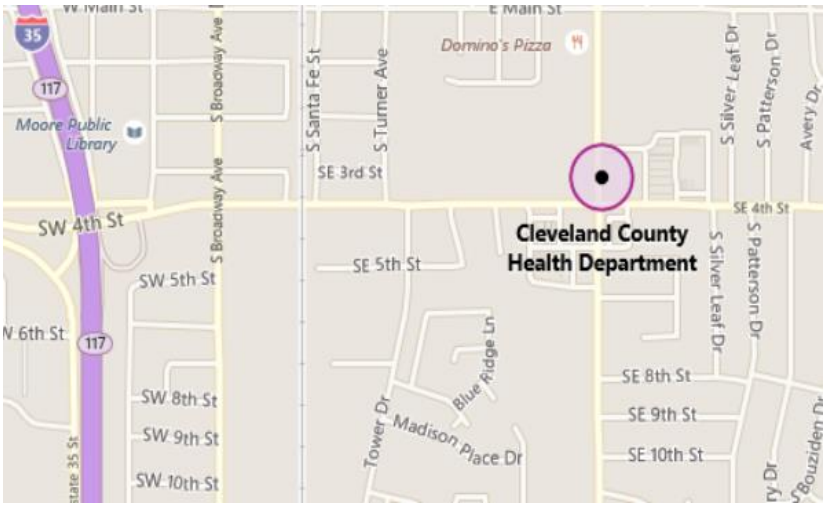

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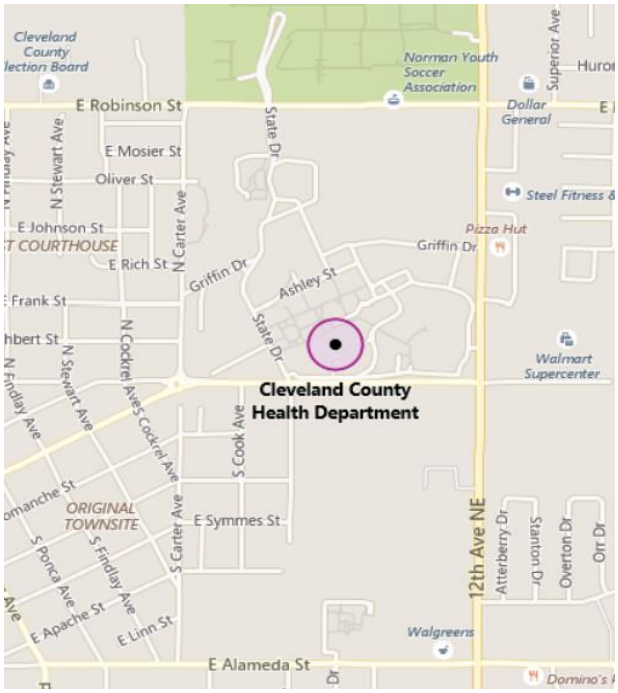


County Spotlight

Scale: 1 (best) – 77 (worst)

Compared to all other Oklahoma counties, Cleveland County ranks:

- **1st** for motor vehicle mortality rate (2011-2015)
- **1st** for percent of population with a bachelor's degree or higher (2015)
- **2nd** for percent of adult smokers (2015)
- **3rd** for teen birth rate (ages 15-19, 2011-2015)
- **3rd** for heart disease mortality rate (2011-2015)

About Cleveland County[8,9]:

Cleveland County land, historically called County Three, was first occupied by the Quapaw tribe who ceded the land in the early 1800s. A few decades later, the Creek and Seminole tribes were relocated to the ceded land and in 1856 the two tribes formally separated, each creating their own nation. Both tribes had supported the Confederacy during the American Civil War, and thus lost their land in the Reconstruction Treaty of 1866; this land became part of the Unassigned Lands, opened for non-Indian settlement on April 22, 1889. The following year, a majority vote named the county after President Grover Cleveland, and the final strip of land was added to the county in 1891.

Fun Facts:

- Cleveland County is the home of the National Weather Service.
- The county was called "Little River County" for a short amount of time.
- Washington Irving killed a buffalo in what is now Moore and subsequently documented it in "A Tour on the Prairies."
- It is the home of the state's "largest comprehensive university": The University of Oklahoma in Norman.
- Dart and arrow points and pottery from 500 B.C. to A.D. 1000 were recovered at the Thunderbird Dam Site.
- The National Register of Historic Places for the county lists the county courthouse, the Mardock Mission, the Beta Theta Pi Fraternity House, the President's House, the Sooner Theater Building, and the Moore-Lindsay House.

Caring 4 Tomorrow

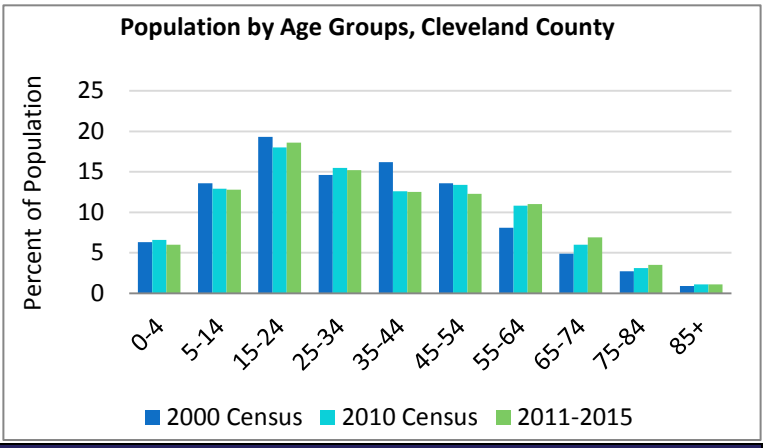
Cleveland County's Community Health Improvement Plan (CHIP) is intended to rally the community together in an effort to determine visions and strategies to inspire healthier living through evidence-based practice and data. The success of the plan depends on vital collaborative partnerships throughout the county in both the public and private sectors. The four primary focuses of the CHIP include child health, mental health, substance abuse and obesity. Corresponding community workgroups have been established locally to address these priority issues throughout the county through various evidence-based initiatives and promising practices.

DATA NOTE:

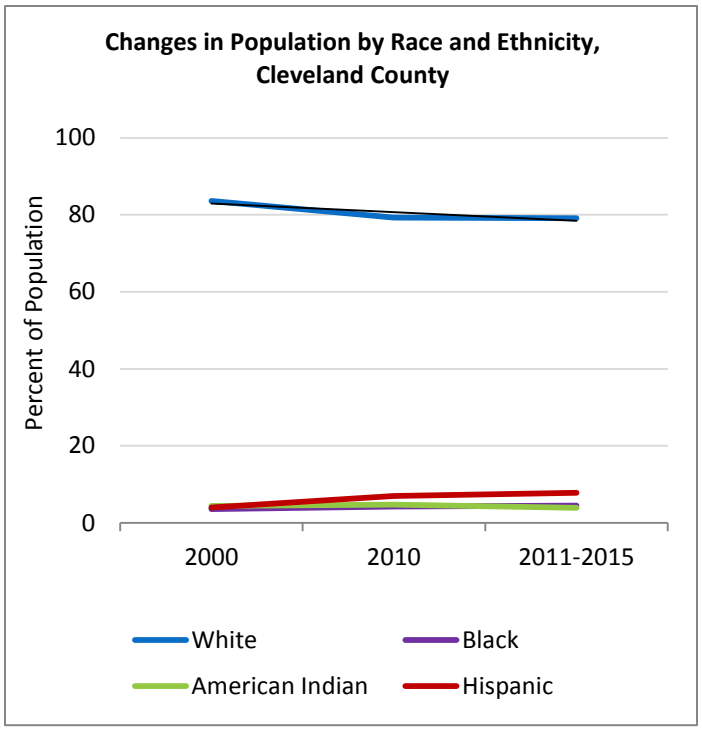
Multiple years of data are utilized in this report to create more stable estimates of health indicators for Oklahoma's small populations. Trends and comparisons across groups are made when possible. Because the Behavior Risk Factor Surveillance System (BRFSS) data are not sampled at the county level, Health Care Information at the Oklahoma State Department of Health has created small area estimates through statistical modelling to enable discussion of county-level data. However, these small area estimates are not comparable to state and national data that are derived via the CDC's standard weighting process. In addition, the CDC instituted new data weighting methodology for BRFSS data, rendering data prior to 2011 incomparable to data for 2011 and later. Also note that some data are not available for every year.

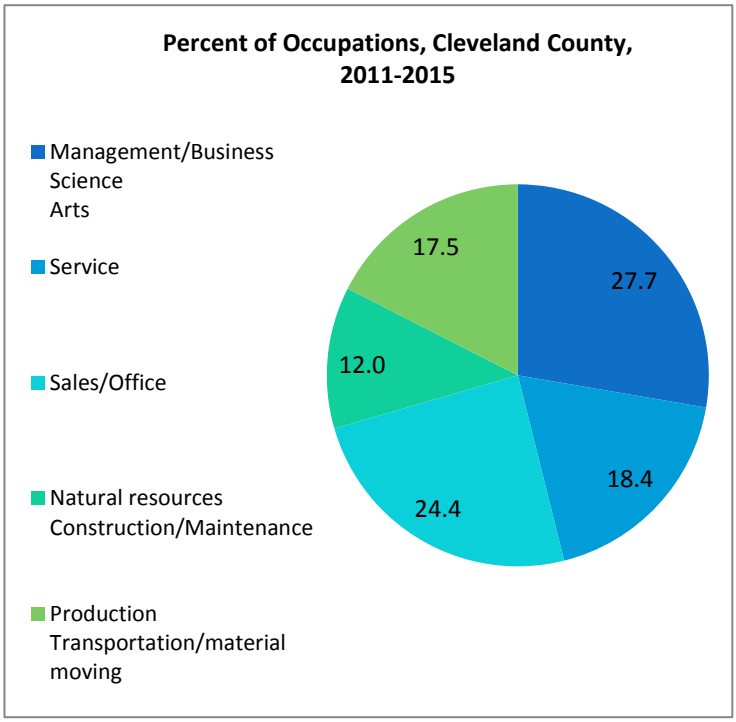
County Demographics and Socioeconomic Profile

Demographics	County
Population, 2011-2015 estimate[10]	268,614
Population, percent change, 2000 to 2015	29% increase
Rank for growth in state (out of 77)	5th
Race and Ethnicity, 2011-2015[11]	
Whites alone	79.1%
Blacks alone	4.5%
Native Americans alone	3.9%
Hispanic or Latino	7.8%
Age, 2011-2015[11]	
Less than 5	6.0%
65 and Over	11.4%
Median age	33.2 years



Socioeconomic Profile (2011-2015 estimates[11])	County	State	National
Disability (ages 18-64)	11.1%	13.9%	10.3%
Of employed, percent disabled	6.5%	7.1%	4.9%
Individuals below poverty	12.7%	16.7%	15.5%
Families below poverty	8.1%	12.4%	11.3%
With children under 18 years	12.6%	19.7%	18.0%
With children under 5 years only	15.5%	22.2%	18.0%
Median household income	$56,452	$46,879	$53,889
Female head of household	11.1%	12.4%	13.0%
Grandparents raising their grandchildren	38.5%	51.8%	37.3%
High school graduates or higher	91.2%	86.9%	86.7%
Bachelor's degree or higher	31.0%	24.1%	29.8%
Occupied housing units	91.2%	86.1%	87.7%
Uninsured (ages 18-64)	11.7%	16.7%	18.1%
Unemployment rate, civilian labor force	4.9%	6.3%	8.3%





OHIP Flagship Issue #1: Tobacco Use Prevention

While smoking rates continue to decline in the United States, tobacco is still the leading contributor of preventable deaths in the United States; a quarter of coronary heart disease deaths, 82% of lung cancer deaths, and 61% of pulmonary diseases are attributed to tobacco use.[12] Oklahoma consistently has one of the highest rates of adult smokers in the country. The 2015 Oklahoma rate is higher than the 2015 national rate (15.1%), as well as the previous 2014 rate (22.3%).[13,14,15] Fortunately, 52.7% of previous Oklahoma smokers have quit, which is similar to the national average of 58.8%.[14]

23.3% Oklahoma | **17.3%** Cleveland County

Adult Smokers
2015

Data from 2015 show that racial disparities do exist in tobacco use, with a higher percentage of Oklahoma American Indian adults smoking (32.5%) compared to Black (25.0%), White (21.4%), and Hispanic (17.1%) adults.[15] Additionally, young adults (aged 25-34 years, 27.6%) comprised the highest percentage of smokers in the Oklahoma population, as well as males (24.0%) compared to females (20.4%).[15]

Key: 25% of population smokes; 25% of population *does not* smoke

Cleveland County Adult Smokers

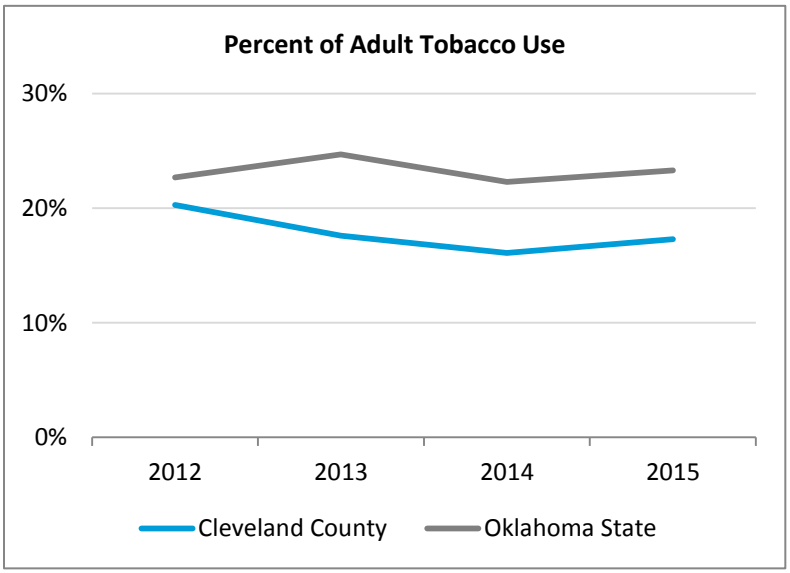
17.3%

Oklahoma Adult Smokers

23.3%

United States Adult Smokers

15.1%



Attributable expenses for smoking in the state in 2009, the most recent year for data, was $1.62 billion, including ambulatory, hospital, prescription drug, and nursing home expenses, but excluding dental expenditures.[16] From 2005-2009, 7,490 deaths were attributable to smoking in Oklahoma.

Of concern are other types of tobacco use, such as smokeless tobacco and now e-cigarettes. Almost 7% of Oklahoma adults use smokeless tobacco products, with almost 70% of smokeless tobacco users also being smokers. E-cigarettes usage has also increased among tobacco users of all ages, both nationally and at the state-level.[17,18] For example, 19% of Oklahoma high school students used e-cigarettes in 2015, dramatically increased from 6.3% in 2013.[19]

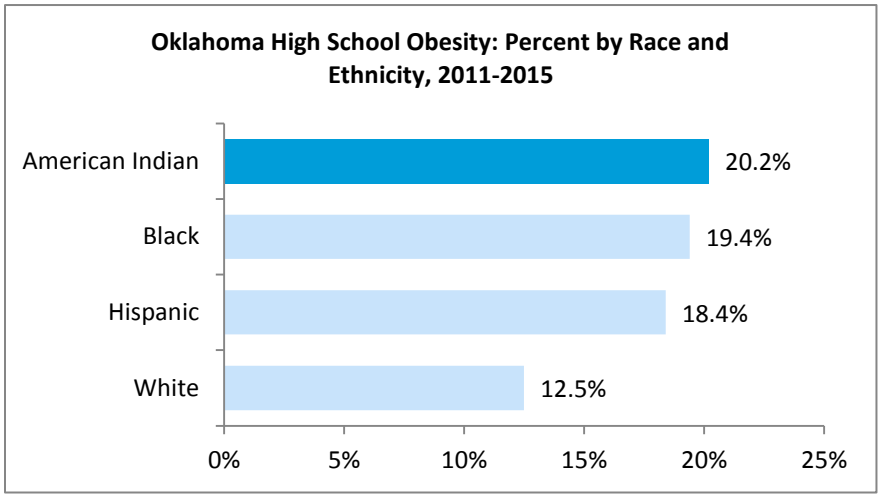
35.0%	30.5%
Oklahoma	Cleveland County

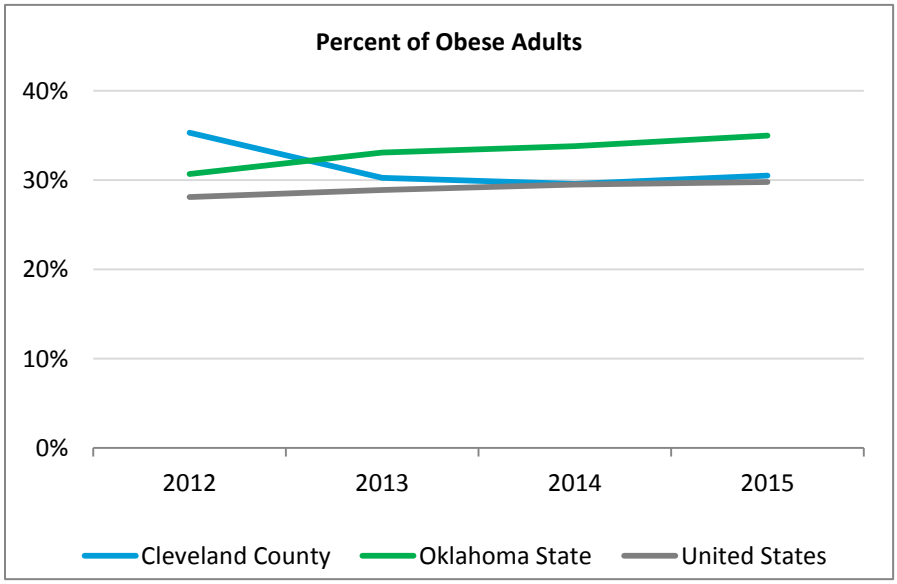
Obese Adults
2015

Obesity is a primary cause of adult deaths and is defined as having a BMI greater than 30.0 kg/m^2 (BMI = weight in kg/square of height in m).[20] In addition to its association with mortality, obesity increases risk for several chronic diseases such as heart disease and type 2 diabetes.[21] Unfortunately, obesity rates have continued to rise in Oklahoma. Thirty-four percent of adult females and 33.7% of adult males in Oklahoma were obese in 2015, and nearly half of American Indian adults were obese, followed by Black (36.9%), White (32.9%), and Hispanic (32%) adults.[15]

Additionally, obesity continues to be a problem for youth in Oklahoma. Nearly 14% of 2- to 4-year-old WIC participants were obese from 2000–2014,[22] as well as 17.4% of 10- to 17-year-olds in 2011.[23] Data from the Youth Risk Behavior Surveillance System (YRBSS) show that 15.4% of high school students self-reported obesity from 2011-2015. More male (18.1%) than female (12.8%) students were obese.[24]

Medical costs for obese individuals were estimated to be $2,741 higher than per capita spending for normal weight individuals in 2005, and this economic burden can be expected to increase as the cost of health care increases.[25]





Of Oklahoma mothers giving birth from 2011-2015, 58% were married; in Cleveland County, 69.1% were married. Five percent of mothers giving birth in the county had gestational diabetes, which is higher than the state average of 4.1%. Additionally, 10.8% of live births in the county were to mothers who smoked during pregnancy, which is lower than the state's average of 13.5%.[26]

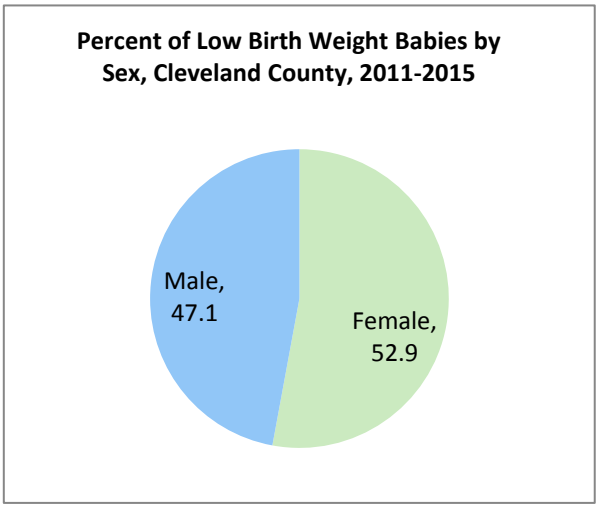
Low Birth Weight

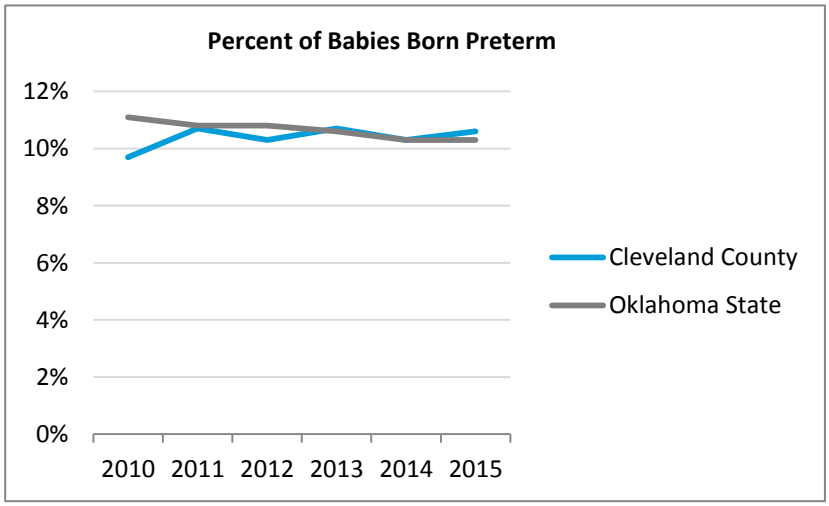
Low birth weight (i.e., weighing fewer than 5 pounds and 8 ounces, or 2500 grams) and preterm births (i.e., 37 weeks of gestation or less) together are the second leading cause of death among children less than 1 year of age.[27] Low birth weight infants are more at risk of health problems compared to infants born of normal weight, including infection, gastrointestinal problems, delayed motor and social development, and learning disabilities. Low birth weight infants may also be at higher risk of high blood pressure, diabetes, and heart disease later in life.[28]

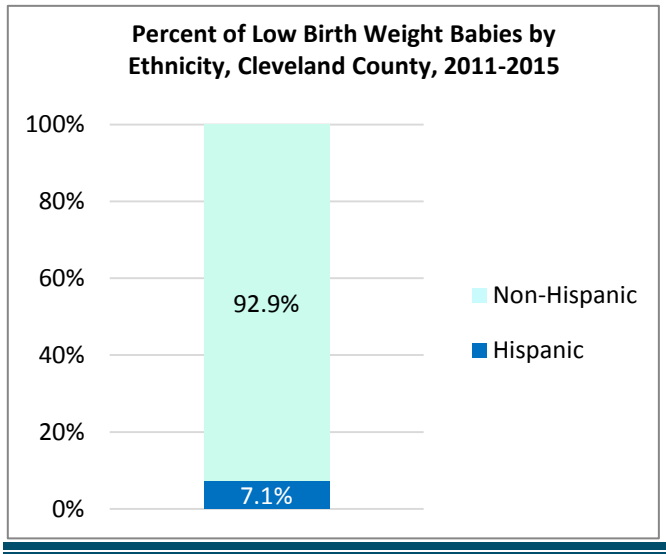
8.1% Oklahoma | **7.6%** Cleveland County

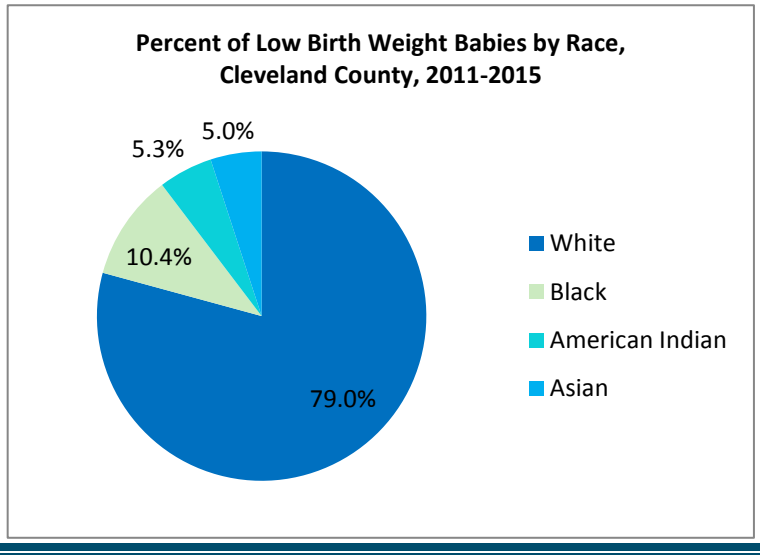
Low Birth Weight Babies
2011-2015

The state rate is the same as the latest national data (8.1% in 2015).[28] When considering race from 2011-2015, Oklahoma Black babies were more likely to be of low birth weight (13.4%) compared to White (7.5%), American Indian (7.0%), and Asian (7.8%) babies.[26]









Infant Mortality Rate

The infant mortality rate (IMR) is an important indicator of the health of a nation and is also a reflection of maternal health, accessibility and quality of primary health care, and the availability of supportive services in the community.[29] The leading causes of infant death include congenital malformations (i.e., medical conditions present at birth), disorders related to short gestation (fewer than 37 weeks of pregnancy completed) and low birth weight (less than 5 lbs., 8 oz.), and Sudden Infant Death Syndrome (SIDS).[27]

7.4
Oklahoma

5.8
Cleveland County

Infant Mortality Rate
Deaths per 1,000 live births
2011-2015

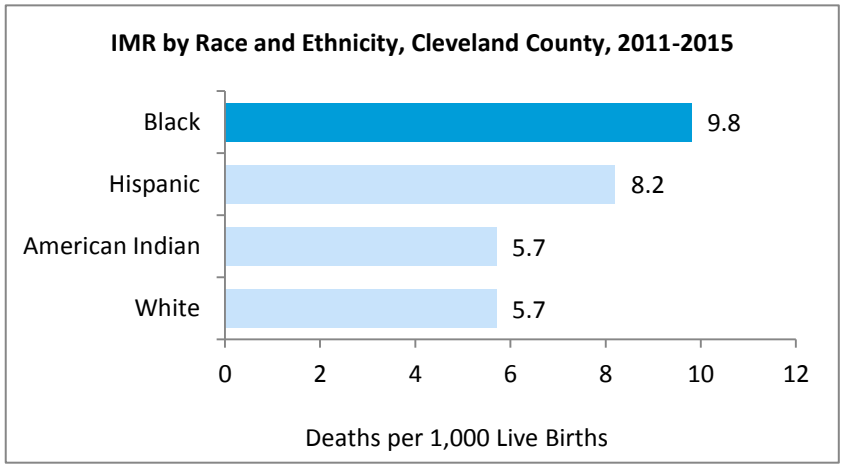
Oklahoma's 2011-2015 IMR, although slightly lower than its previous 2006-2010 rate of 7.6 deaths per 1,000 live births, has resulted in 147,075 years of potential life lost from 2011-2015, based on an average age of death in Oklahoma of 75 years.[30] The rate is also still significantly higher than the national rate of 6.0 infant deaths per 1,000 live births in 2013.[31] Further, racial disparities exist in IMR, with Oklahoma's Black infant rate more than double the rates of White and Asian infants. The IMR for Black infants declined between 2006-2010 estimates and 2011-2015 estimates (15.6 to 14.5, respectively),[30] but is still extremely high.

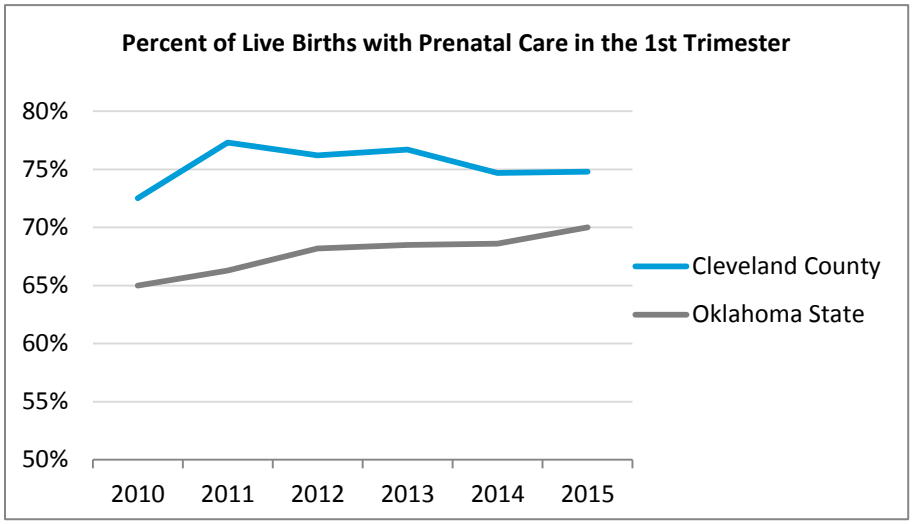
6,525

Years of Potential Life Lost
Cleveland County, 2011-2015
Based on an average death in Oklahoma of 75 years

Cleveland County's IMR is 21.6% lower than the state rate and slightly higher than the county rate from 2006-2010 (5.2 deaths per 1,000 live births). Additionally, White, American Indian, and Hispanic infant mortality rates have increased since 2006-2010 data, but Black infant mortality rates have decreased.

While organizations across Oklahoma have been working together to reduce infant mortality as part of the Preparing for a Lifetime, It's Everyone's Responsibility initiative,[32] there is still much work to do. One way to reduce infant mortality is through receiving prenatal care in the first trimester, which is believed to reduce the risk of maternal and infant sickness and death as well as preterm delivery and low birth weight. From 2011-2015, 75.9% of women who had a live birth in Cleveland County accessed prenatal care during the first trimester of their pregnancy.[26]





Teenage Pregnancy

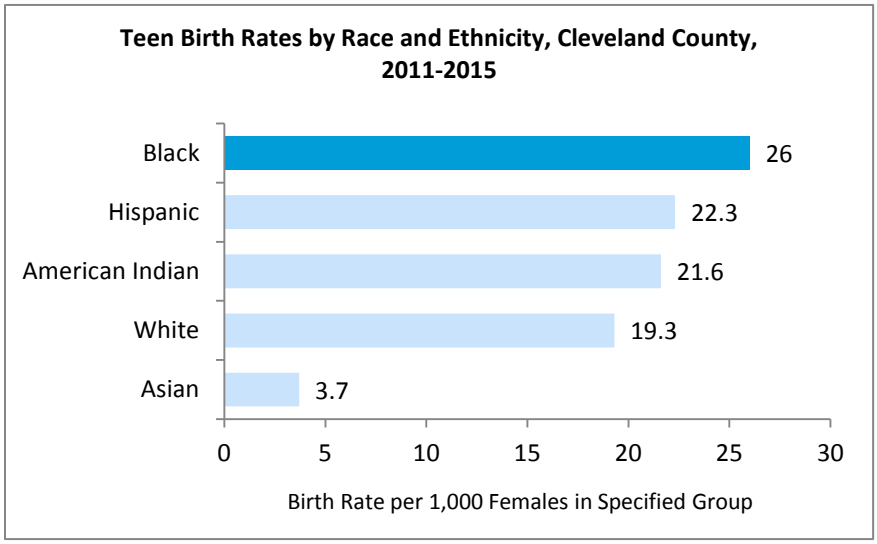
42.2	19.3
Oklahoma	Cleveland County

Teen Birth Rate
Births per 1,000 female population aged 15-19 years
2011-2015

Although births to teen mothers have been declining in recent years,[33] Oklahoma still has one of the highest teen birth rates in the country (ranked at 48th in the nation),[34] including a high rate of repeat births.[35] Pregnant teens are more likely than older pregnant females to experience medical complications, have low educational attainment, and engage in unhealthy behaviors that put their unborn child at risk.[36] Children of teen mothers are more likely than children of older mothers to display poor health and social outcomes, such as premature birth, low birth weight, behavioral problems, and abuse and neglect.[37] Additionally, infant mortality rates are highest for babies of teen mothers.[27]

Cleveland County's teen birth rate is 54.3% lower than the state rate and 13.5% lower than the 2015 national rate of 22.3.[26,38] The county rate is 18.9% lower than the 2005-2009 rate. The majority of births in Cleveland County to teen mothers are first births (84.2%), while 13.8% are second births, and 2.0% are the third or more births.[26]

Recent estimates place the cost of teen childbearing in Oklahoma at $169 million in 2010, and this includes only health care and other costs associated with the children, not the mothers.[39]



From 2013-2014, nearly 20% of adult Oklahomans had a mental illness and 4.4% had a serious mental illness. This is similar to the national rates for the same time period of 18% and 4.2%, respectively. Further, it is estimated that 3.9% of Oklahoman adults had thoughts of suicide from 2013-2014; this rate is the same as the national rate. What is even more troubling is that only 42% of Oklahoman adults with a mental illness had received treatment or counseling from 2010-2014.[40]

18.5 Oklahoma | **13.9** Cleveland County

Suicide deaths
per 100,000 population
2011-2015

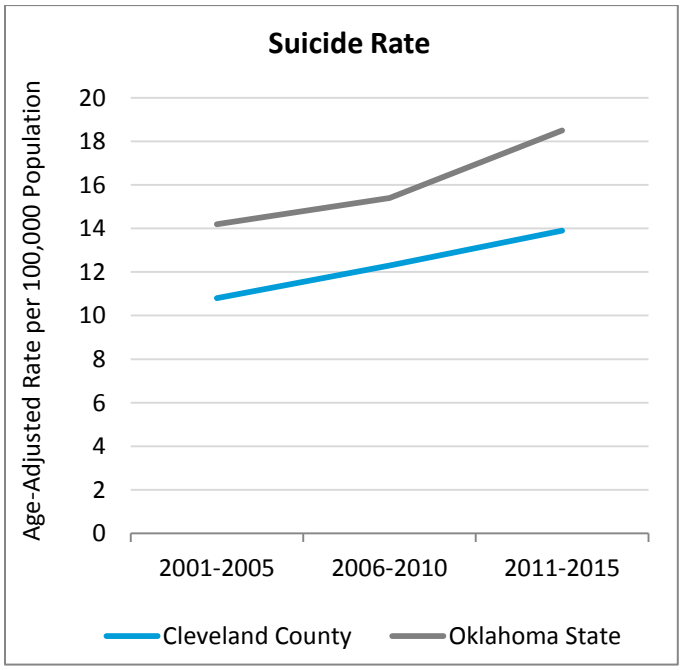
Adolescents are not spared from mental illness either. From 2013-2014, one in ten Oklahoman adolescents (compared to the 11% national average) experienced a major depressive episode and of those, over half did not receive any treatment for depression.[40] Unfortunately, 2015 data show that 15.1% of high school youth seriously considered attempting suicide and 7.4% attempted one or more times.[24]

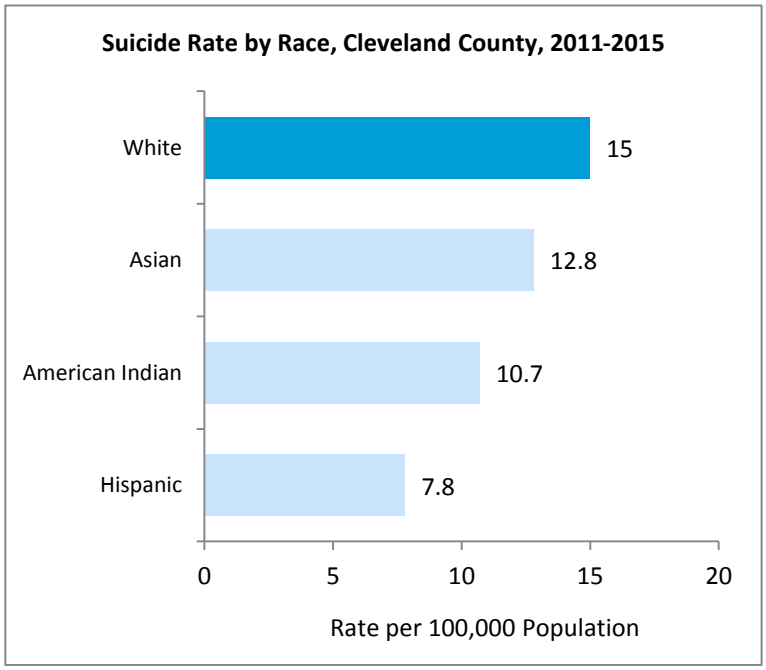
Substance use and abuse is also a problem among both adolescents and adults. From 2013-2014, 8.1% of adolescents in Oklahoma had used illicit substances in the past 30 days (national average: 9.1%), and 5.3% of Oklahoman adolescents used pain relievers for nonmedical use (national average: 4.7%). Two percent of Oklahomans 12 years and older were dependent on or abused illicit drugs (national average: 2.6%), and of those with a dependence/abuse problem, 85% did not get any addiction treatment (2010-2014). Further, from 2013-2014, 6.4% of Oklahomans over 12 years of age had alcohol dependence or abuse (national average: 6.5%). Of those, 92.8% did not receive treatment (2010-2014).[40]

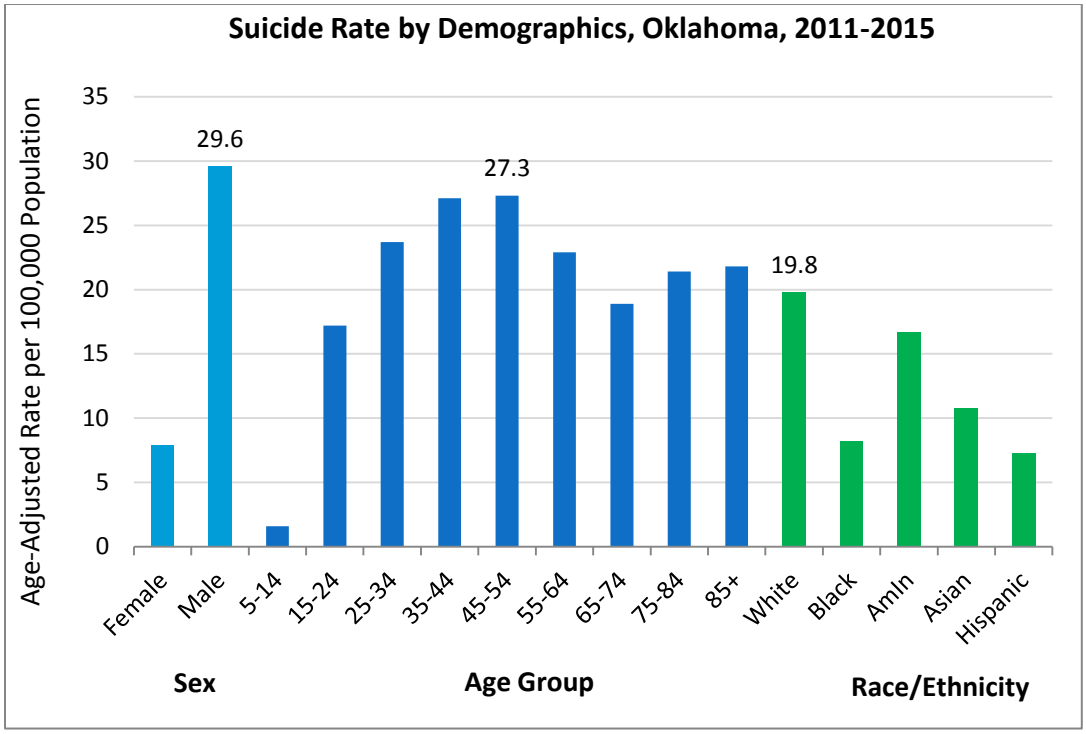
$382,485,734
Mental illness hospital inpatient cost
Oklahoma, 2014

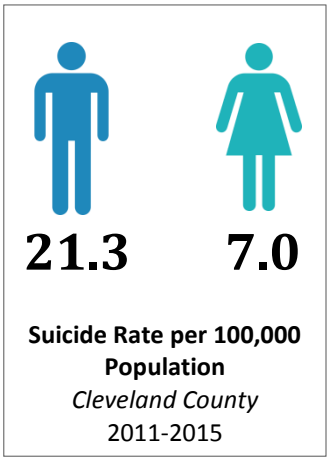
Oklahoma hospital inpatient discharge data for 2014 show 19,352 discharges related to mental illness with an average stay of 10.8 days. In Cleveland County, 1,203 discharges were for mental illness, costing $26,269,633 total. The average length of stay was 11.4 days. More females (687) than males (516) were discharged, but males stayed longer on average (13.4 days) compared to females (9.8 days).[41]

The Oklahoma suicide rates are highest for men, 45-54 year-olds, and White individuals. The highest rates for Cleveland County were the same in sex, age, and race. Additionally, ages 55-64 (21.5) and 35-44 (17.9) were high.









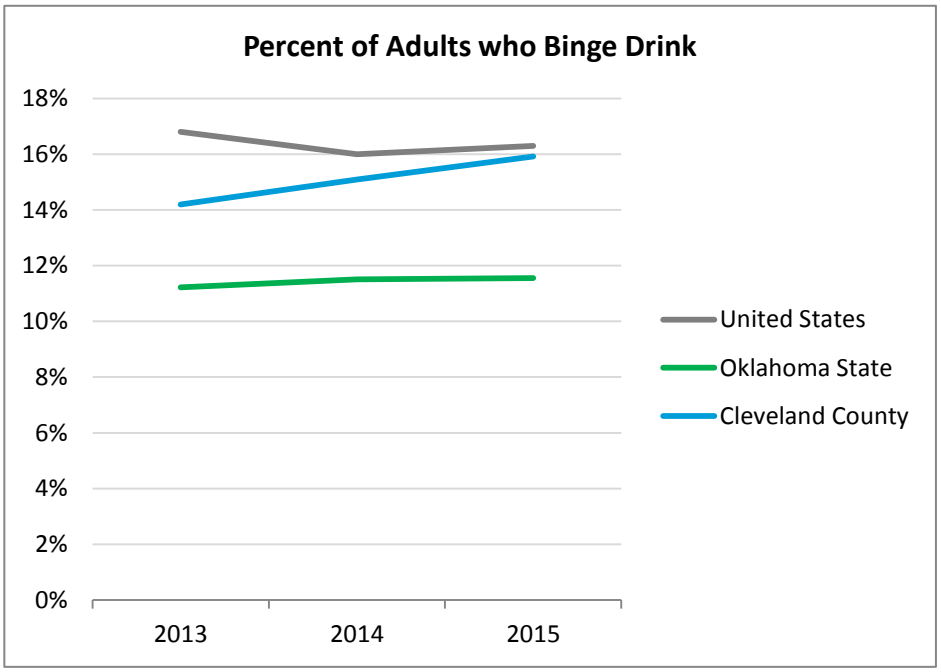
Binge Drinking

11.6% Oklahoma | **15.9%** Cleveland County

Binge Drinking Adults
2015

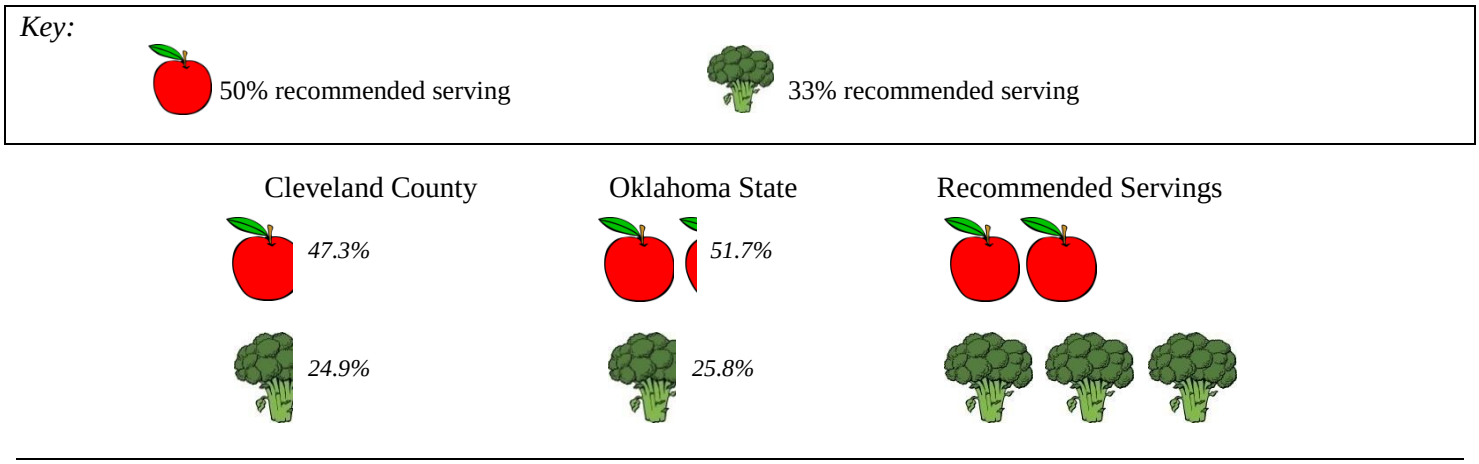
In 2015, 41.9% of Oklahoman adults had at least one drink of alcohol in the past month, lower than the national average of 53.6%. This percentage has slowly decreased since 2011, both at the state and national level. Binge drinking (five or more alcoholic beverages on one occasion for men, four or more for women), however, continues to be an occurrence for many Oklahomans. Unlike the decreases in monthly use of alcohol, engagement in binge drinking has slightly increased since 2013 at the county level, while remaining steady at the state and national levels.[15]

Oklahoma high school youth also admit to alcohol use. Fifteen percent drank alcohol before the age of 13 (highest for American Indian and Hispanic males), 27.3% consumed one or more drinks in the past month (highest for Hispanic and White males), and 5.8% had 10 or more alcoholic drinks in a row (highest for males). Further, nearly half had alcohol given to them (highest for White and Hispanic females).[24]



Nutrition and Physical Activity

Poor diet is a primary cause of adult deaths in the U.S.[42,20] While poor diet can be characterized in many different ways, a common proxy measure is assessing fruit and vegetable consumption. A recent study determined that fruit and vegetable consumption is associated with reduced risk of death.[43] Oklahoma has typically ranked as one of the worst states for fruit and vegetable consumption among adults. In 2013, the last year data were available for every state, Oklahoma ranked second to last in consuming three daily servings of vegetables and third to last in consuming two or more daily servings of fruits.[44]

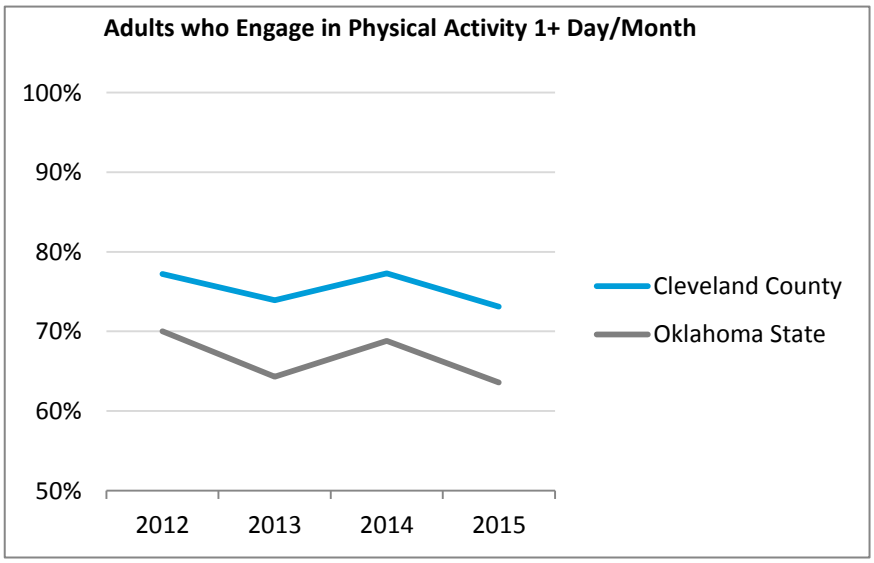


Physical Activity

Physical inactivity was reported to be a leading contributor to almost 1 in 10 adult deaths in the U.S.[21] In 2014, close to 24% of U.S. adults did not engage in any physical activity.[45] Adults who engage each week in 150 minutes of moderate to vigorous intensity aerobic activity in bouts of at least 10 minutes experience improved health and fitness and reduced risk of several chronic diseases.[46]

36.4% Oklahoma | **26.9%** Cleveland County

Adults who **Do Not** Engage in Physical Activity
2015



Youth who are regularly active have a better chance of having a healthy adulthood. Children and adolescents should get at least 60 minutes of moderate intensity physical activity most days of the week, preferably every day, and three of those days should include vigorous intensity aerobic activity.[47] Statewide from 2013-2015, 53.8% of high school students were physically active for one hour at least five days of the week.[24]

Diabetes

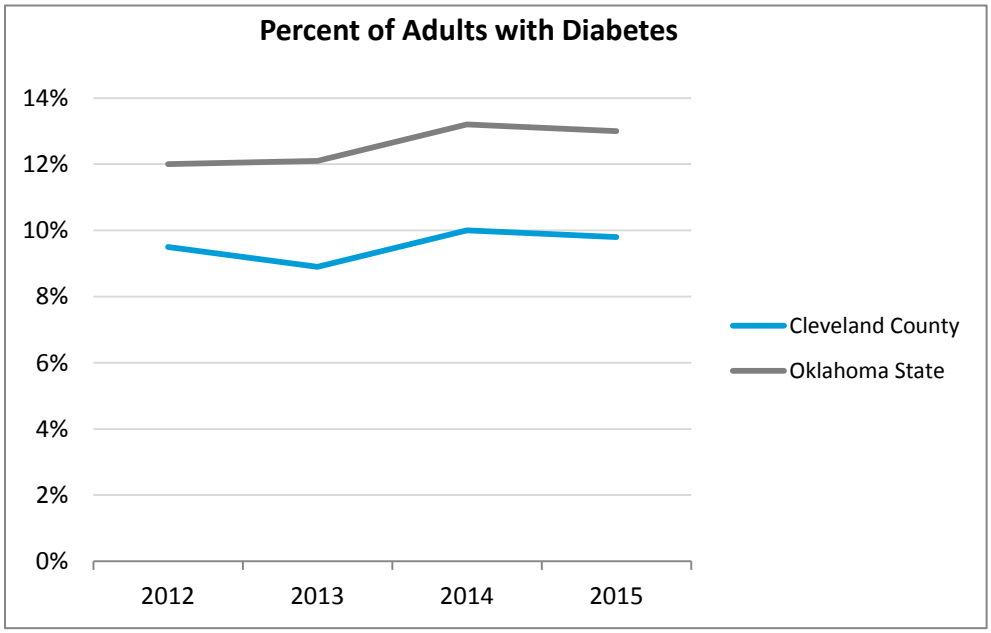
13.0%	9.8%
Oklahoma	Cleveland County

Adults Diagnosed with Diabetes
2015

Type II Diabetes Mellitus is a chronic disease characterized by high levels of sugar (i.e., glucose) in the bloodstream due to the body's resistance to insulin. If left untreated, serious complications can arise, including heart disease, renal failure, retinopathy, and neuropathies. Several risk factors may increase the likelihood of developing diabetes. Some of these risk factors cannot be changed (eg., aged 45 years and older, family history). Other risk factors relate to behaviors, such as prediabetes, overweight/obesity, being physically inactive, and having high blood pressure.[48]

The American Diabetes Association released a report estimating the total cost of diagnosed diabetes to be $245 billion in the U.S. in 2012.[49] This amount includes both direct medical costs and reduced productivity. They estimated the largest component of direct medical costs to be hospital inpatient care.

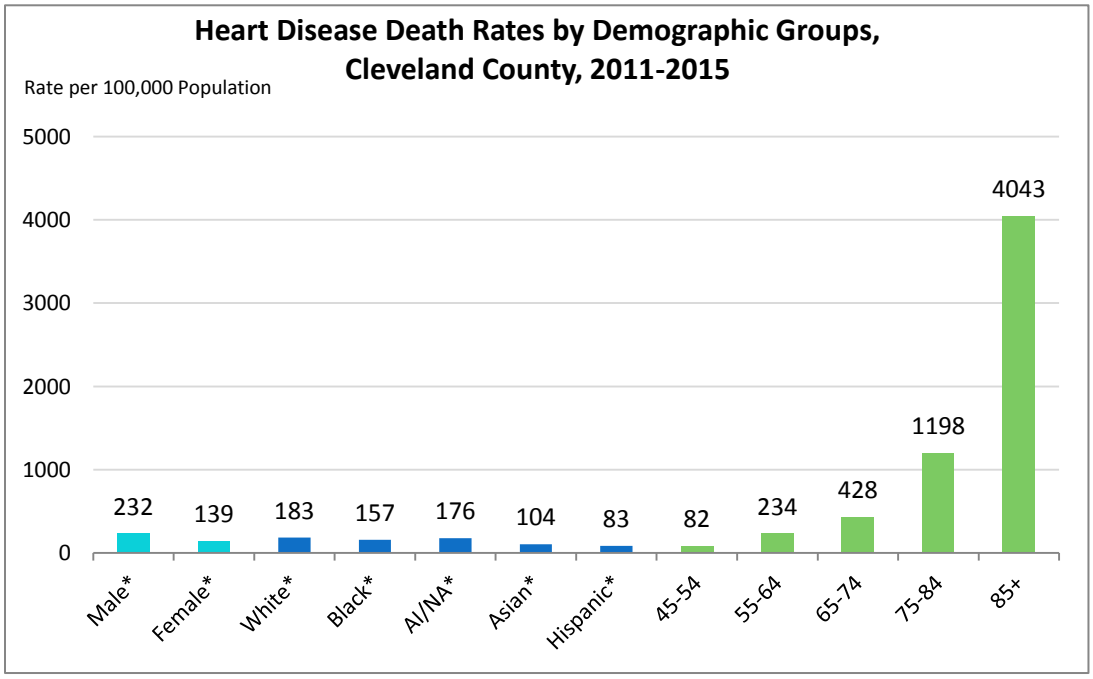
Cleveland Diabetes Inpatient Data (2014)			
315	$12,558,868	5.4 days	$39,869.49
Hospital Discharges	*Total Charges*	*Average Hospital Stay*	*Average Charges per Stay*



Death, Injury, and Violence

Leading Cause of Death

In Cleveland County, heart disease is still the leading cause of death for all ages combined at 180.3 deaths per 100,000 population (2011-2015).[30] The rate decreased 16.1% from the previous 2008-2012 data (214.8 deaths per 100,000 population).[30] In 2014, the most recent year for which hospital discharge data are publicly available, the total charges attributable to heart disease in Cleveland County were $147,773,490, or $66,987.1 per discharge.[41]



*Age-Adjusted Death Rate per 100,000 Population

Injury and Violence

Unintentional injury is the 5th leading cause of death in Oklahoma, and the leading cause of death among individuals aged 5-44 years.[30] In 2014, the most recent year that data are publicly available, injuries and poisoning accounted for 36,984 total discharges, costing $2.1 billion of Oklahoma's hospital inpatient charges, or $58,543 per discharge.[41] This equates to 12.7% of total inpatient charges in 2010,[41] and does not consider other related medical expenses or lost productivity.

60.4 Oklahoma | **51.3** Cleveland County

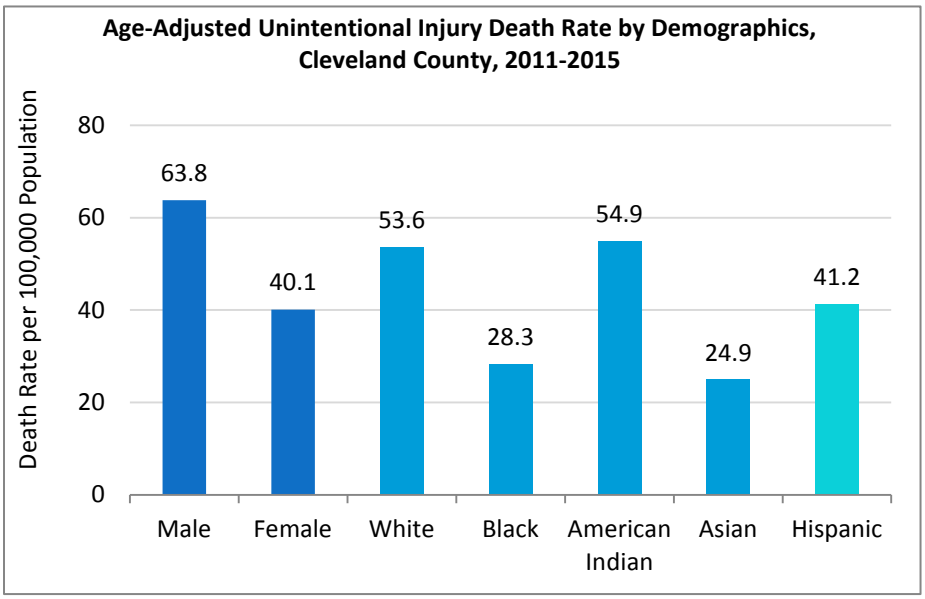
Unintentional Injury Death Rate
per 100,000 population
2011-2015

From 2011-2015, unintentional injury was the 4th leading cause of death for Cleveland County and is higher than the 2006-2010 rate (41.7).[30]

12.2

Motor-vehicle Death Rate
per 100,000 population
Cleveland County, 2011-2015

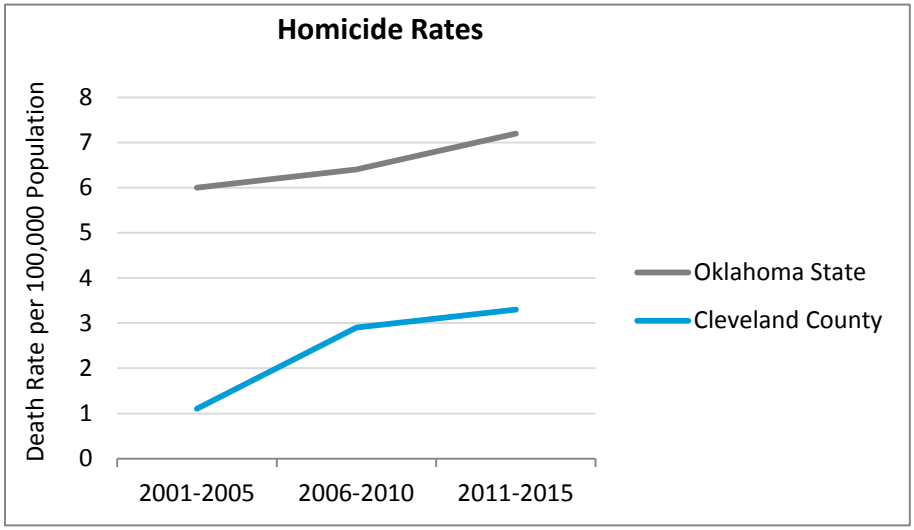
Motor-vehicle accidents account for a quarter of Cleveland County's total unintentional injury deaths.[30] In 2013, motor vehicle crashes cost Oklahoma an estimated $8 million in medical costs and $894 million in work loss costs, resulting in a total cost of $902 million.[50] This cost includes wage and productivity losses, medical expenses, administrative expenses, motor vehicle damage, and employers' uninsured costs.

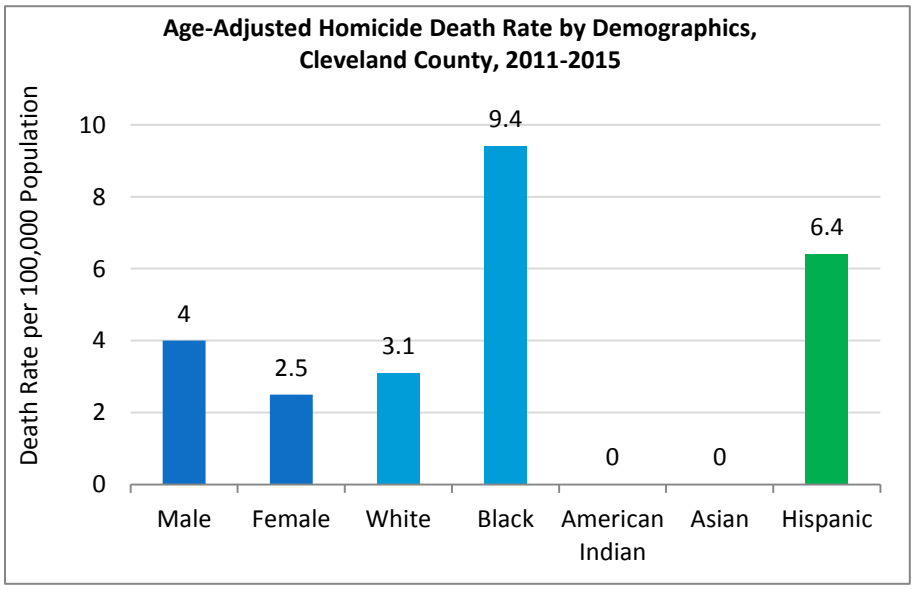


Violence-related deaths, like suicide and homicide, are also leading causes of death in Oklahoma.[30] Cleveland County's homicide rate is 55.6% lower than the state rate.

7.2 Oklahoma | **3.2** Cleveland County

Homicide Rate
per 100,000 population
2011-2015





The top 10 leading causes of death table displays a broad picture of the causes of death in Cleveland County.[30] Since many health-related issues are unique to specific ages, this table provides causes of death by age group at a glance. The causes of death that are present across almost every age group have been highlighted. This table shows the actual number of deaths by cause.

Top 10 Causes of Death by Age Group
Cleveland County 2011-2015

RANK	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65+	ALL AGES
1	PERINATAL PERIOD 39	**UNINTENT. INJURY 11**	**UNINTENT. INJURY 57**	**UNINTENT. INJURY 91**	**UNINTENT. INJURY 76**	**CANCER 195**	**CANCER 420**	**HEART DISEASE 1635**	**HEART DISEASE 2165**
2	CONGENITAL MALFORM-ATIONS 21	**CANCER 5**	**SUICIDE 26**	**SUICIDE 35**	**CANCER 44**	**HEART DISEASE 135**	**HEART DISEASE 348**	**CANCER 1384**	**CANCER 2072**
3	**UNINTENT. INJURY 8**		HOMICIDE 9	**CANCER 19**	**HEART DISEASE 35**	**UNINTENT. INJURY 89**	BRONCHITIS/ EMPHYSEMA/ ASTHMA 97	BRONCHITIS/ EMPHYSEMA/ ASTHMA 556	BRONCHITIS/ EMPHYSEMA/ ASTHMA 681
4				HOMICIDE 14	**SUICIDE 30**	LIVER DISEASE 43	**UNINTENT. INJURY 79**	STROKE 388	**UNINTENT. INJURY 650**
5				**HEART DISEASE 10**	LIVER DISEASE 10	**SUICIDE 40**	STROKE 49	**UNINTENT. INJURY 235**	STROKE 467
6				CONGENITAL MALFORM-ATIONS 5	HOMICIDE 6	DIABETES 28	DIABETES 47	ALZHEIMER'S DISEASE 234	DIABETES 256
7					SEPTICEMIA 6	STROKE 22	LIVER DISEASE 41	DIABETES 176	ALZHEIMER'S DISEASE 239
8						BRONCHITIS/ EMPHYSEMA/ ASTHMA 21	**SUICIDE 32**	INFLUENZA/ PNEUMONIA 133	**SUICIDE 189**
9						SEPTICEMIA 12	VIRAL HEPATITIS 25	NEPHRITIS 113	INFLUENZA/ PNEUMONIA 155
10						VIRAL HEPATITIS 8	SEPTICEMIA 21	PARKINSON'S DISEASE 103	LIVER DISEASE 138

*Total deaths per age group were determined and cause of death was ordered (by frequency) when 5 or more deaths occurred for a specific cause; the number of deaths that occurred in frequencies fewer than 5 per cause were not included because the data are suppressed on OK2SHARE (the source of this data) when there are fewer than 5 deaths per search category.

Data source: Vital Statistics, Health Care Information Division, Oklahoma State Department of Health
Produced by: Community Epidemiology and Evaluation, Oklahoma State Department of Health

Healthy People 2020 Table

Healthy People 2020 Indicators[51]	Comparison Data: Year(s)						2020 target[51]
	Cleveland County[52]		Oklahoma[52]		United States[51]		
Infant mortality (per 1,000 births)	2011-2015	5.8	2011-2015	7.4	2013	6.0	6.0
Low birth weight infants (% of live births)	2011-2015	7.6%	2011-2015	8.1%	2014	8.0%	7.8%
Very low birth weight infants (% of live births)	2011-2015	1.4%	2011-2015	1.4%	2014	1.4%	1.4%
First trimester prenatal care (% of live births)	2011-2015	75.9%	2011-2015	62.0%	2011-2015§	65.4%	77.9%
Coronary heart disease deaths (per 100,000 population)*	2011-2015	180.3	2011-2015	227.9	2014	98.8	103.4
Cancer deaths (per 100,000 population)*	2011-2015	166.0	2011-2015	185.8	2014	161.2	161.4
Unintentional injury deaths (per 100,000 population)*	2011-2015	51.3	2011-2015	60.4	2014	40.5	36.4
Transportation-related deaths (per 100,000 population)*	2011-2015	12.2	2011-2015	19.5	2014	10.3	12.4

Notes:
Red = Have not yet met 2020 Target Green = Exceeded 2020 Target Black = Same as 2020 Target

*Death rate is age-adjusted to the 2000 U.S. standard population;
§The most recent data available from CDC WONDER Natality Data shows that 65.4%[53] of women having live births in from 2011-2015 received prenatal care within the first three months of pregnancy. Not all states collect prenatal care information on the birth certificate.

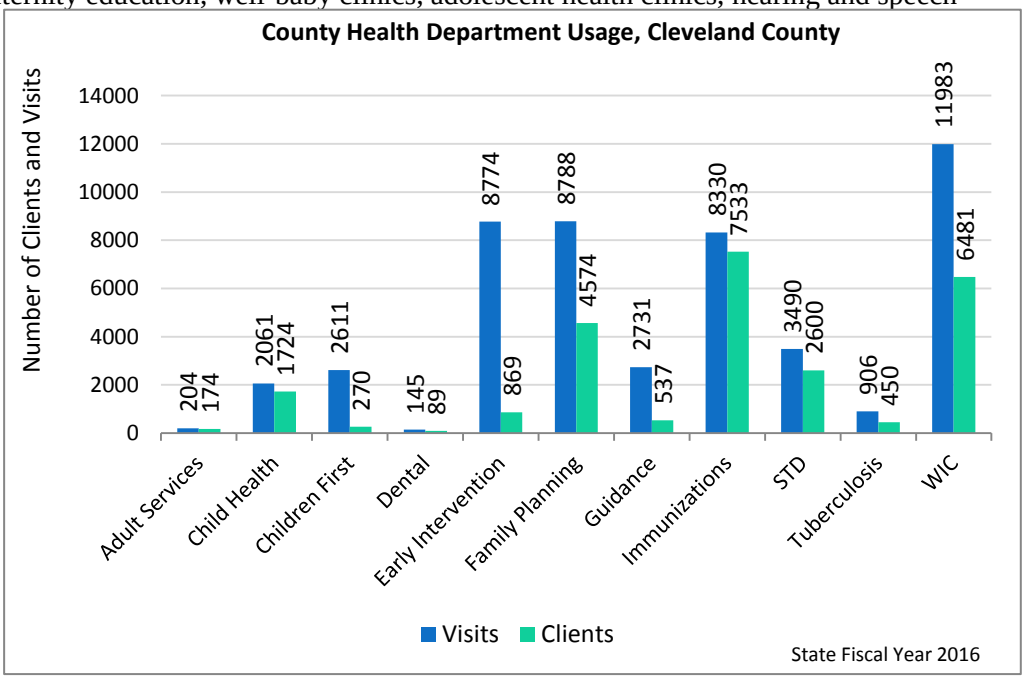
County Health Department Usage

There are 82 county health department sites in 68 counties across Oklahoma which are part of the state system, and 2 independent health departments (Oklahoma City-County and Tulsa City-County Health Departments). In the 7 counties without a physical site, staff from neighboring counties provides specific services to those regions, and residents can visit health departments in neighboring counties for additional services. Each department offers a variety of services, such as immunizations, family planning, maternity education, well-baby clinics, adolescent health clinics, hearing and speech services, child developmental services, environmental health, health education, community development programs, and the SoonerStart program. Not every service is available in all counties.

The data on this page reflects services provided in the county health department. Many other activities are implemented across the county and in the community to promote the public's health.

TOTAL VISITS: 50,023

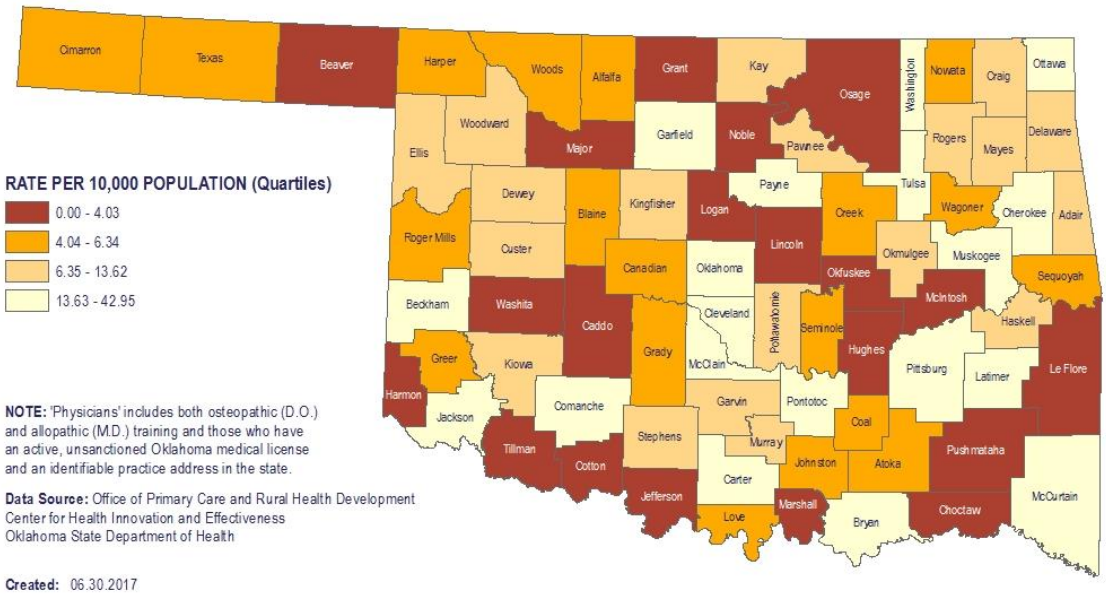
TOTAL CLIENTS: 20,998



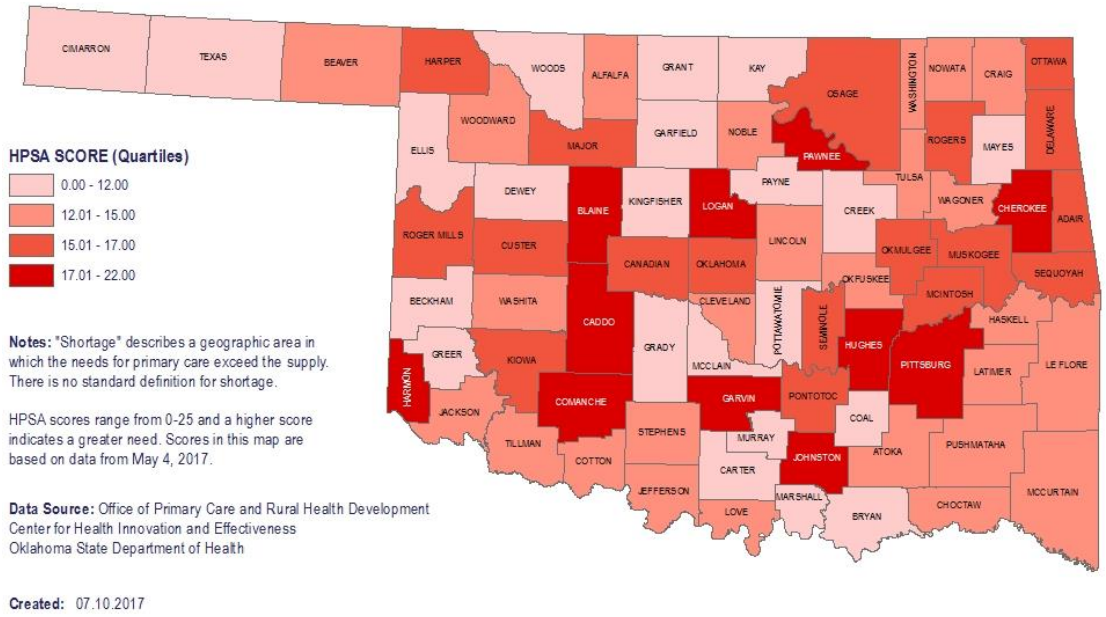
Access to Care

In 2014, Oklahoma ranked 48th in the nation for the number of primary care physicians per 100,000 population (84.8) and nearly 25% of Oklahoma adults do not have a personal doctor or health care provider.[7,15] Further, 70 out of the 77 counties are considered to be medically underserved areas (MUA).[54] Although 86.4% of adults over 18 had health care coverage in 2015, 15.2% reported that within the past year, they could not visit a doctor due to cost.

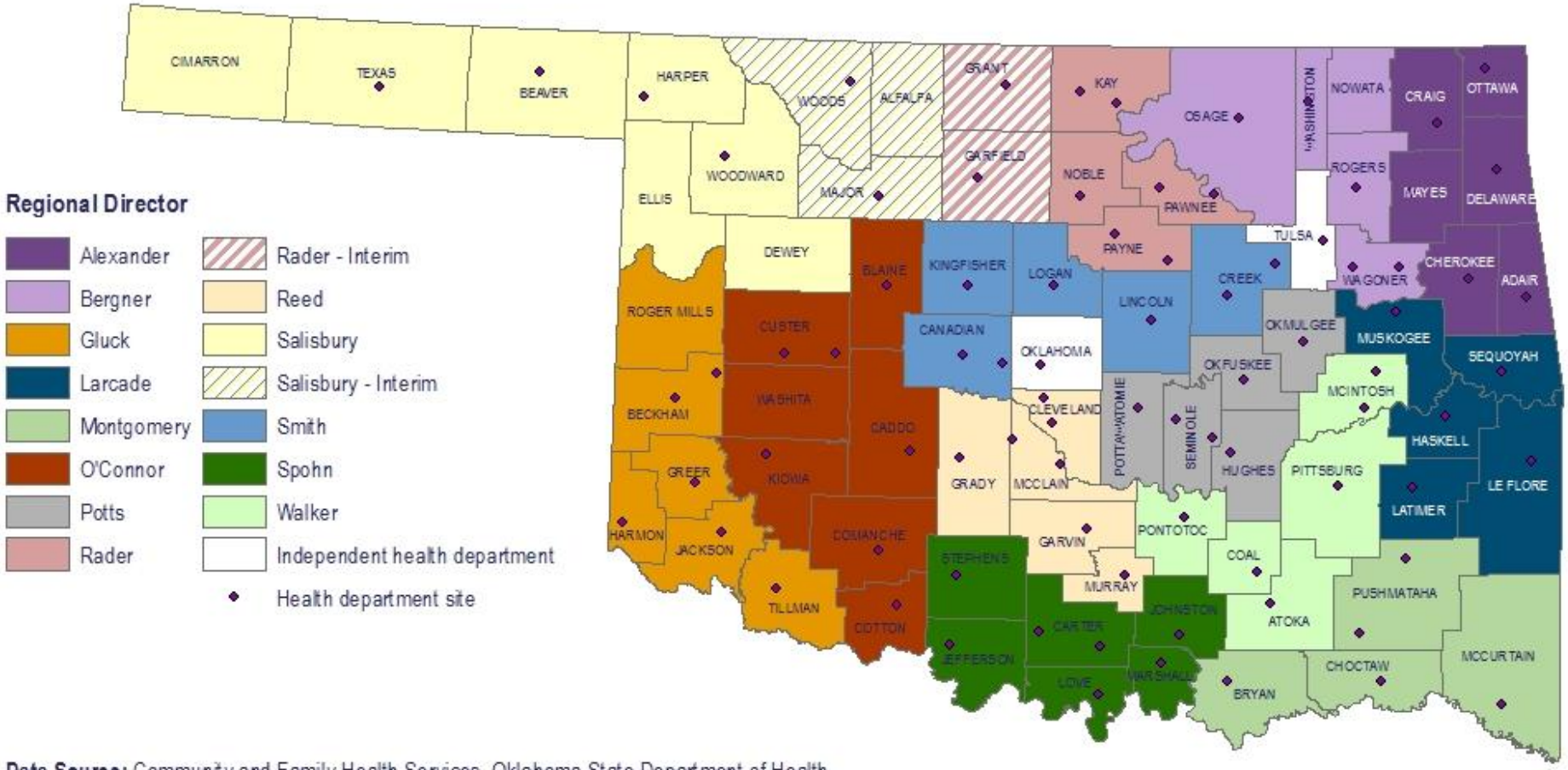
Number of Actively Licensed Physicians by County
July - Dec 2016



Health Professional Shortage Area (HPSA) Scores for Primary Care,
by County



Regional Directors and County Health Department Locations



Data Source: Community and Family Health Services, Oklahoma State Department of Health

Effective: 07.31.2017

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Oklahoma State Department of Health
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Cleveland County
Health Department

Cleveland County Health Department Sign-In Sheet

Event: Cleveland County Board of Health Strategic Planning Workshop

Date: November 27, 2018

NAME – Print legibly	Agency	Position	Date
Natalie Dixon	CCHD	Accred. Coord.	11-27-2018
Elizabeth Moody	CCHD	Dietitian	11/27/18
Tara Douglas	Cleveland County	HLB	11/27/18
Melody Bays	cleveland county	HLB	11/27/18
Thomas W Thurston MD	Private Practice	Physician	11/27/18
Michael Merrill	BOARD		11-27-18
DARRY STACY	BOARD		11-27-18
TODD GIBSON	BOARD		11-27-18
PEPPER MARTIN	BOARD		11/27/18
Erin Turner	CCHD	Health Educator	11-27-18
Meagan Walker	CCHD	Social Worker	11/27/18