

County Health Rankings & Roadmaps
Building a Culture of Health, County by County

Logan (LO)

County Demographics

	County	State
Population	46,784	3,930,864
% below 18 years of age	23.5%	24.4%
% 65 and older	15.1%	15.3%
% Non-Hispanic African American	8.3%	7.4%
% American Indian and Alaskan Native	3.6%	9.2%
% Asian	0.7%	2.3%
% Native Hawaiian/Other Pacific Islander	0.1%	0.2%
% Hispanic	6.2%	10.6%
% Non-Hispanic white	77.3%	65.7%
% not proficient in English	0%	2%
% Females	50.5%	50.5%
% Rural	55.4%	33.8%

	Logan County	Error Margin	Top U.S. Performers	Oklahoma	Rank (of 77)
Health Outcomes					4
Length of Life					5
Premature death	7,100	6,200-7,900	5,400	9,300	
Quality of Life					11
Poor or fair health **	16%	16-17%	12%	20%	
Poor physical health days **	4.0	3.9-4.2	3.0	4.5	
Poor mental health days **	4.3	4.1-4.5	3.1	4.5	
Low birthweight	7%	6-8%	6%	8%	
Additional Health Outcomes (not included in overall ranking)					
Life expectancy	79.6	78.6-80.5	81.0	75.9	
Premature age-adjusted mortality	350	320-380	280	460	
Child mortality	40	20-60	40	70	
Infant mortality			4	7	
Frequent physical distress	12%	12-12%	9%	14%	
Frequent mental distress	13%	13-13%	10%	15%	
Diabetes prevalence	13%	10-15%	9%	12%	
HIV prevalence	94		49	180	
Health Factors					19
Health Behaviors					7
Adult smoking **	16%	15-16%	14%	20%	
Adult obesity	33%	28-38%	26%	33%	
Food environment index	7.4		8.7	5.7	
Physical inactivity	27%	23-31%	19%	28%	
Access to exercise opportunities	41%		91%	72%	
Excessive drinking **	14%	13-14%	13%	13%	
Alcohol-impaired driving deaths	26%	16-36%	13%	27%	
Sexually transmitted infections	489.2		152.8	548.4	
Teen births	16	14-19	14	39	
Additional Health Behaviors (not included in overall ranking)					
Food insecurity	14%		9%	16%	
Limited access to healthy foods	9%		2%	9%	
Drug overdose deaths	14	9-22	10	20	
Motor vehicle crash deaths	15	11-20	9	18	
Insufficient sleep	35%	34-35%	27%	35%	
Clinical Care					28
Uninsured	14%	12-16%	6%	16%	
Primary care physicians	46,590:1		1,050:1	1,590:1	
Dentists	6,680:1		1,260:1	1,660:1	
Mental health providers	580:1		310:1	260:1	
Preventable hospital stays	4,169		2,765	4,862	
Mammography screening	39%		49%	36%	
Flu vaccinations	43%		52%	46%	
Additional Clinical Care (not included in overall ranking)					
Uninsured adults	16%	14-19%	6%	20%	
Uninsured children	7%	5-9%	3%	8%	
Other primary care providers	2,752:1		726:1	1,200:1	

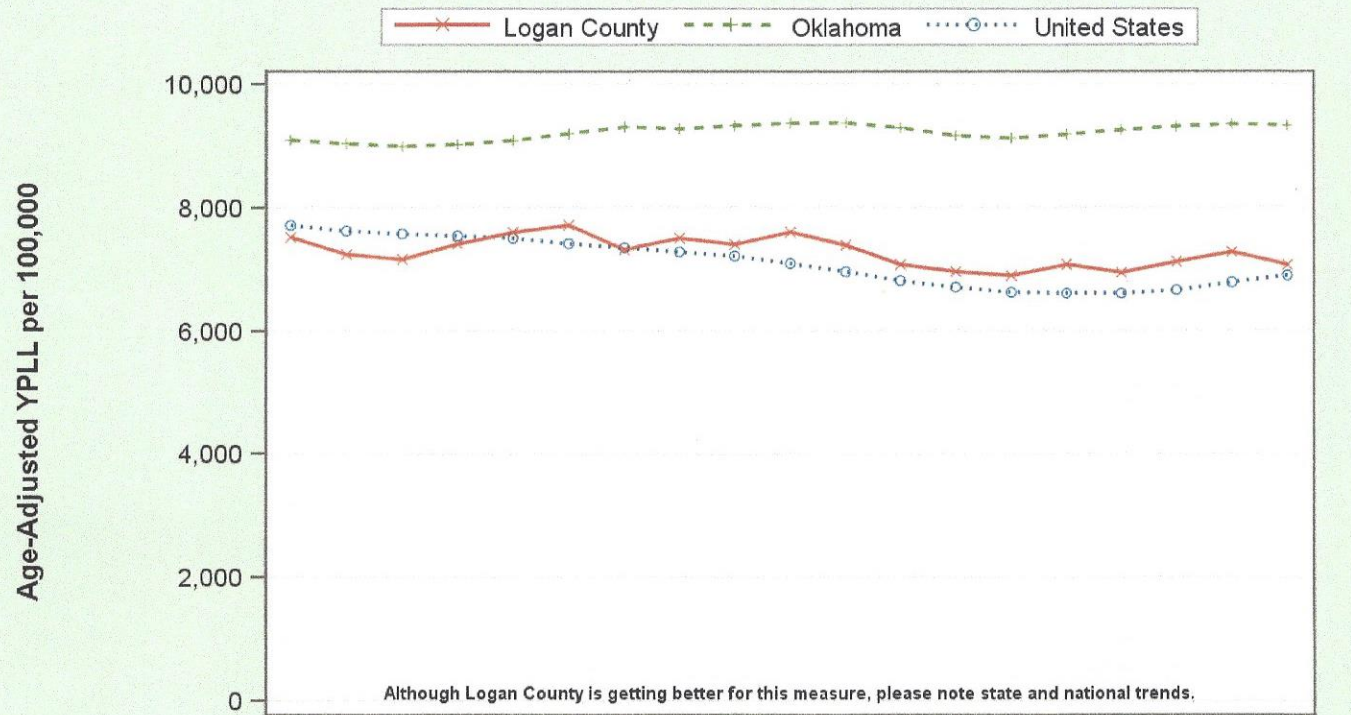
	Logan County	Error Margin	Top U.S. Performers	Oklahoma	Rank (of 77)
Social & Economic Factors					19
High school graduation	75%		96%	83%	
Some college	62%	56-69%	73%	60%	
Unemployment	3.7%		2.9%	4.3%	
Children in poverty	15%	11-19%	11%	21%	
Income inequality	5.1	4.3-5.8	3.7	4.6	
Children in single-parent households	24%	19-29%	20%	34%	
Social associations	9.7		21.9	11.5	
Violent crime	173		63	428	
Injury deaths	75	64-86	57	93	
Additional Social & Economic Factors (not included in overall ranking)					
Disconnected youth	9%	3-15%	4%	9%	
Median household income	\$60,600	\$53,700-67,600	\$67,100	\$50,100	
Children eligible for free or reduced price lunch	63%		32%	62%	
Residential segregation - black/white	42		23	56	
Residential segregation - non-white/white	22		15	28	
Homicides	4	2-8	2	7	
Firearm fatalities	14	10-20	7	17	
Physical Environment					60
Air pollution - particulate matter **	9.4		6.1	9.4	
Drinking water violations	Yes				
Severe housing problems	14%	11-16%	9%	14%	
Driving alone to work	82%	79-84%	72%	83%	
Long commute - driving alone	53%	49-58%	15%	26%	
Additional Physical Environment (not included in overall ranking)					
Homeownership	79%	78-81%	61%	66%	
Severe housing cost burden	9%	7-11%	7%	12%	

Areas to Explore Areas of Strength

^ 10th/90th percentile, i.e., only 10% are better.
 Note: Blank values reflect unreliable or missing data
 ** Data should not be compared with prior years

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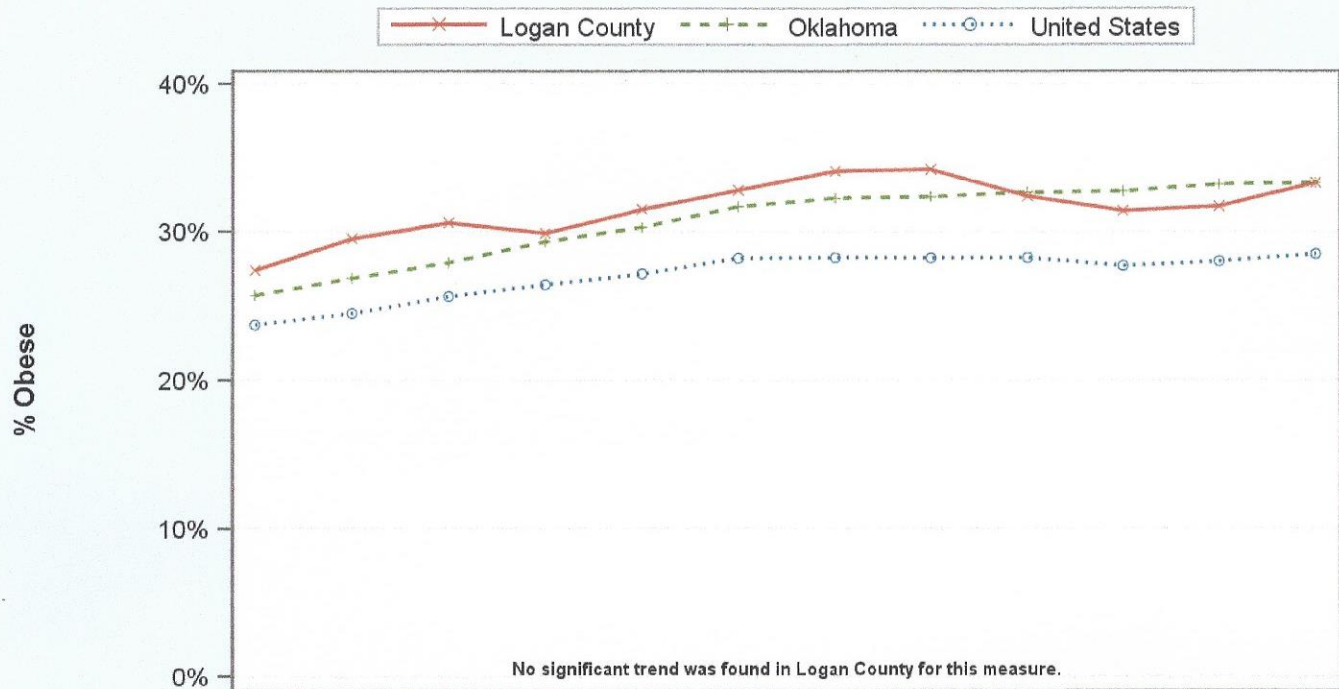
Premature death in Logan County, OK Years of Potential Life Lost (YPLL): County, State and National Trends



3-year Average	1997-1999	2000-2002	2003-2005	2006-2008	2009-2011	2012-2014	2015-2017												
United States	7,705	7,815	7,569	7,535	7,499	7,411	7,345	7,275	7,209	7,090	6,959	6,811	6,704	6,622	6,605	6,601	6,658	6,783	6,901
Oklahoma	9,090	9,033	8,990	9,019	9,084	9,197	9,304	9,272	9,324	9,365	9,371	9,291	9,162	9,121	9,184	9,254	9,312	9,349	9,331
Logan County	7,512	7,233	7,155	7,400	7,591	7,707	7,313	7,497	7,396	7,596	7,388	7,070	6,957	6,893	7,072	6,938	7,116	7,276	7,068

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.

Adult obesity in Logan County, OK County, State and National Trends



3-year Average	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
United States	24%	24%	26%	26%	27%	28%	28%	28%	28%	28%	28%	29%
Oklahoma	26%	27%	28%	29%	30%	32%	32%	32%	33%	33%	33%	33%
Logan County	27%	30%	31%	30%	32%	33%	34%	34%	32%	31%	32%	33%

*Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.
Note: Starting with the 2011 data, a new BRFSS methodology was introduced that included cell phone users. Data from prior years should only be compared with caution.*

Physical inactivity in Logan County, OK County, State and National Trends

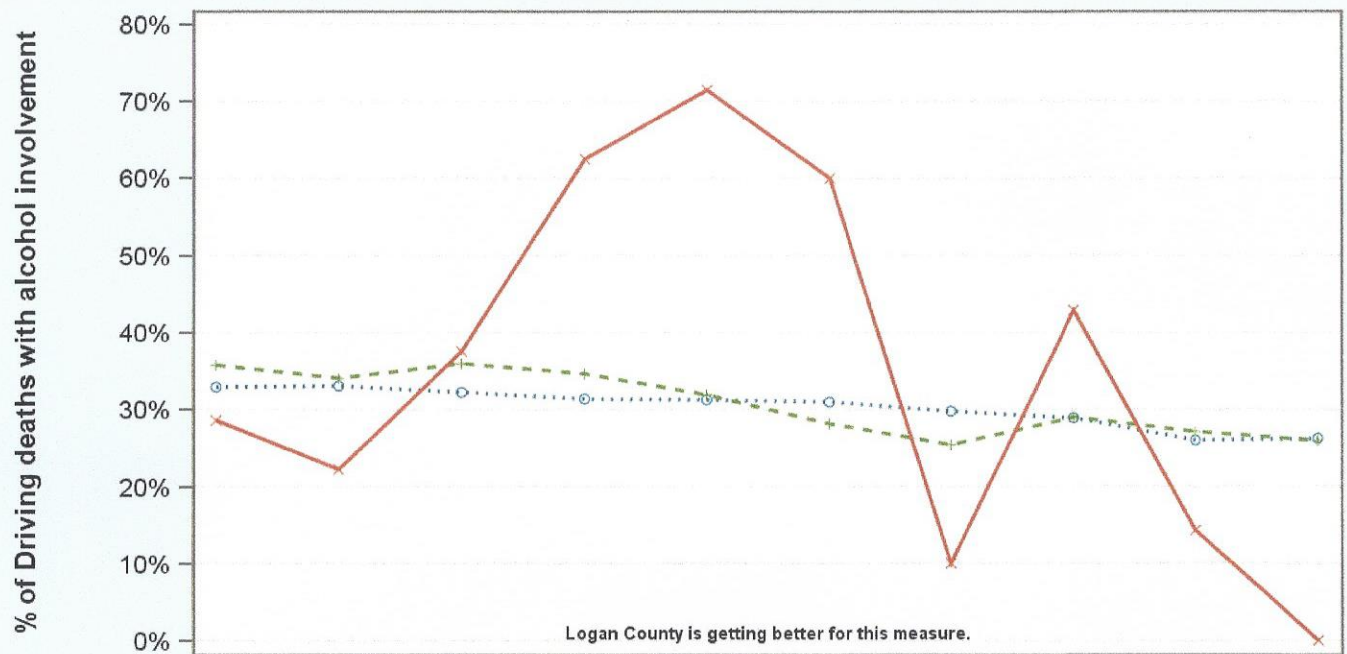


3-year Average	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
United States	24%	24%	24%	24%	25%	25%	25%	24%	24%	22%	23%	22%
Oklahoma	30%	29%	30%	31%	32%	32%	32%	30%	31%	29%	30%	28%
Logan County	30%	30%	31%	30%	31%	30%	31%	29%	30%	28%	30%	27%

*Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.
Note: Starting with the 2011 data, a new BRFSS methodology was introduced that included cell phone users. Data from prior years should only be compared with caution.*

Alcohol-impaired driving deaths in Logan County, OK County, State and National Trends

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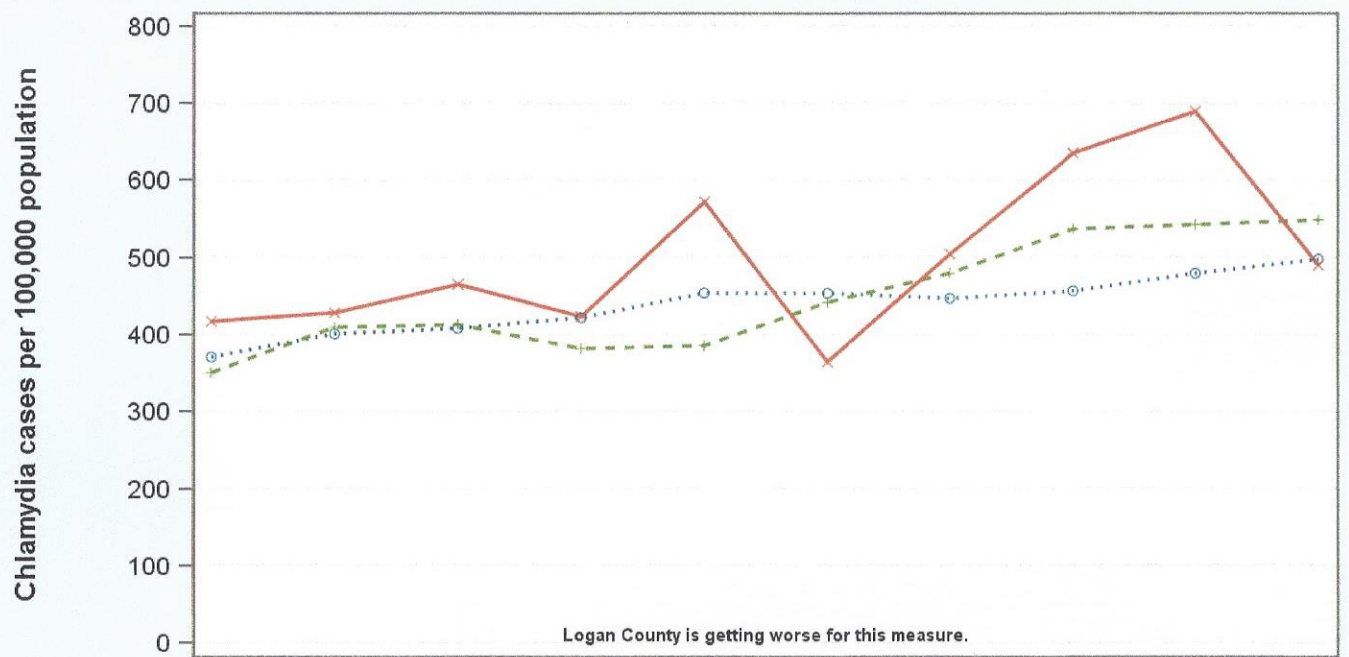


Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
United States	33%	33%	32%	31%	31%	31%	30%	29%	26%	26%
Oklahoma	36%	34%	36%	35%	32%	28%	25%	29%	27%	26%
Logan County	29%	22%	38%	63%	71%	60%	10%	43%	14%	0%

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.

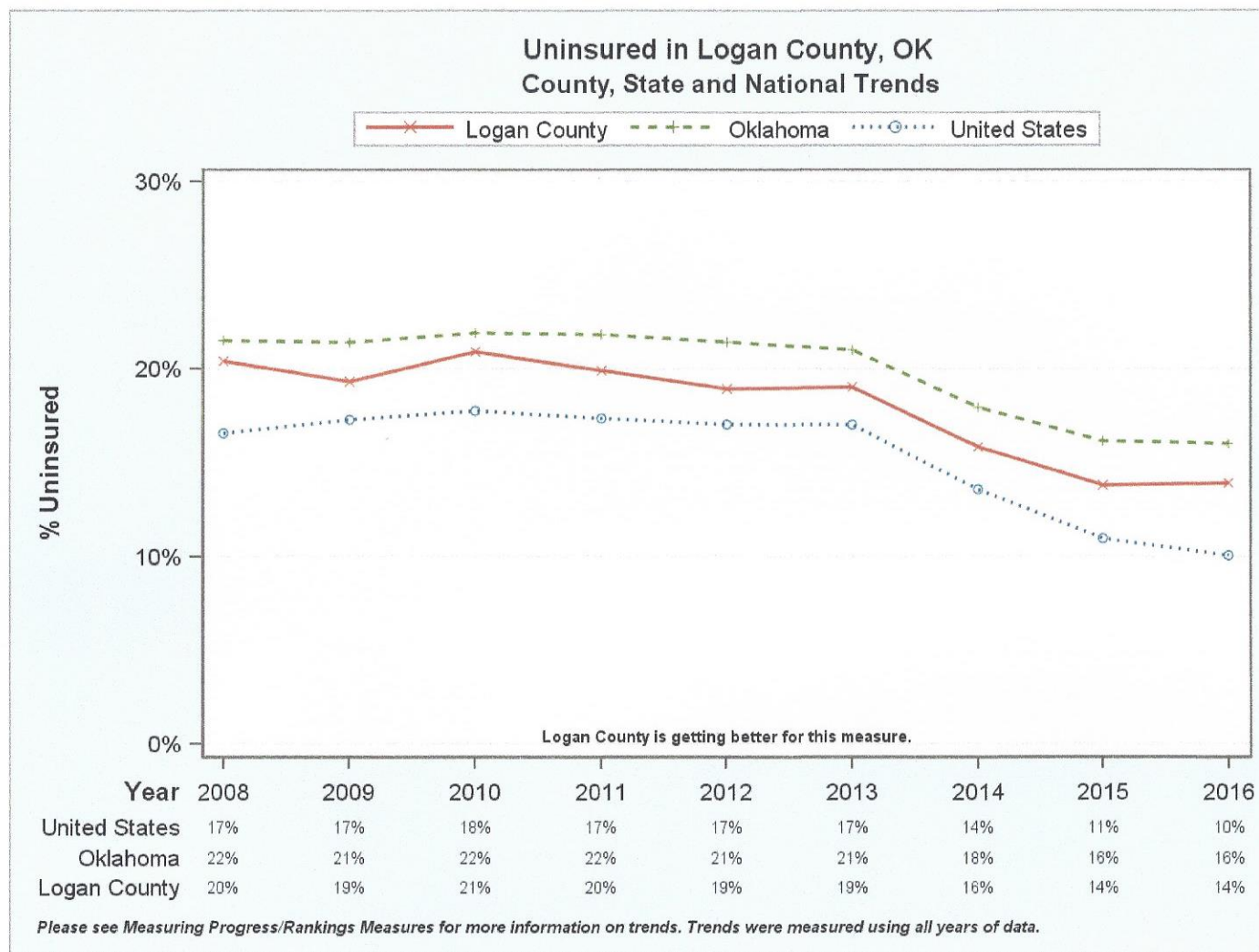
Sexually transmitted infections in Logan County, OK County, State and National Trends

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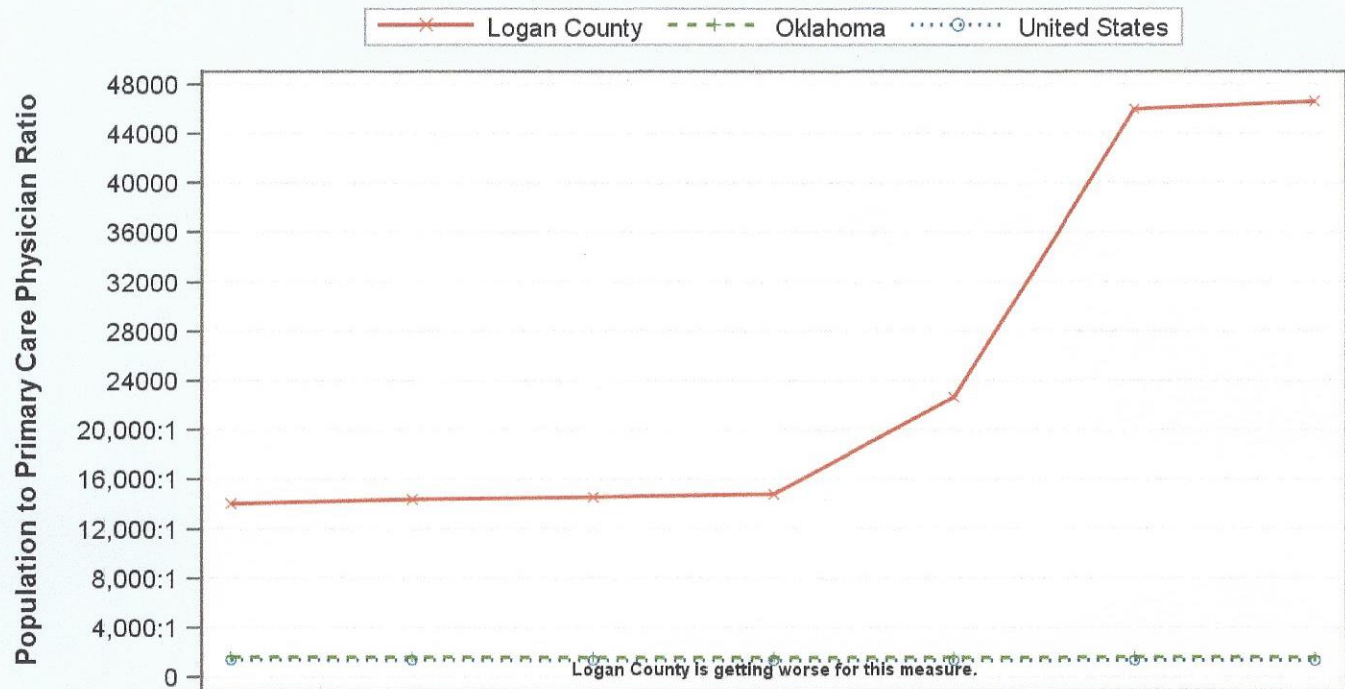


Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
United States	370	401	408	422	453	453	447	456	479	497
Oklahoma	350	409	413	381	385	442	479	537	542	548
Logan County	417	428	465	423	572	364	504	635	689	489

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.



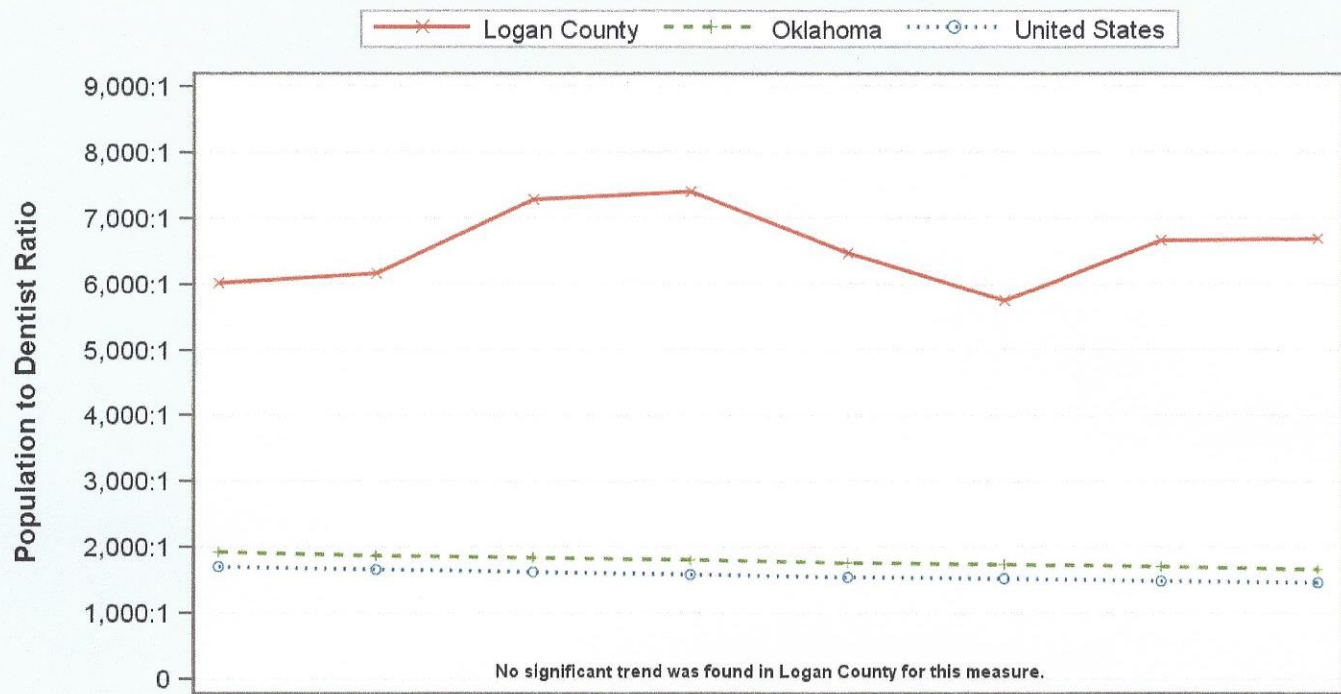
Primary care physicians in Logan County, OK County, State and National Trends



Year	2010	2011	2012	2013	2014	2015	2016
United States	1,371	1,355	1,343	1,320	1,321	1,323	1,326
Oklahoma	1,618	1,595	1,568	1,563	1,558	1,586	1,589
Logan County	14,023	14,371	14,558	14,793	22,630	45,956	46,588

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data. The data in this table reflect the average population served by a single primary care physician.

Dentists in Logan County, OK County, State and National Trends

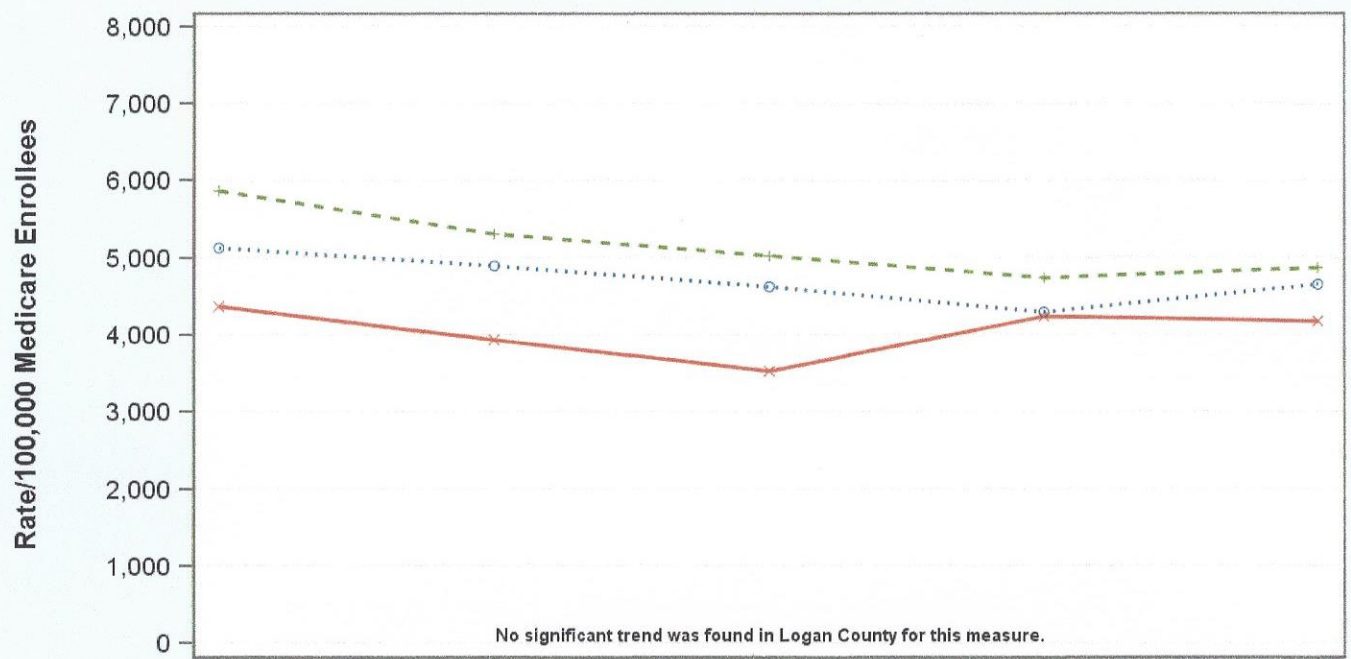


Year	2010	2011	2012	2013	2014	2015	2016	2017
United States	1,700	1,660	1,622	1,583	1,543	1,522	1,485	1,461
Oklahoma	1,922	1,868	1,839	1,806	1,761	1,737	1,704	1,660
Logan County	6,010	6,159	7,279	7,396	6,486	5,745	6,655	6,683

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data. The data in this table reflect the average population served by a single dentist.

Preventable hospital stays in Logan County, OK County, State and National Trends

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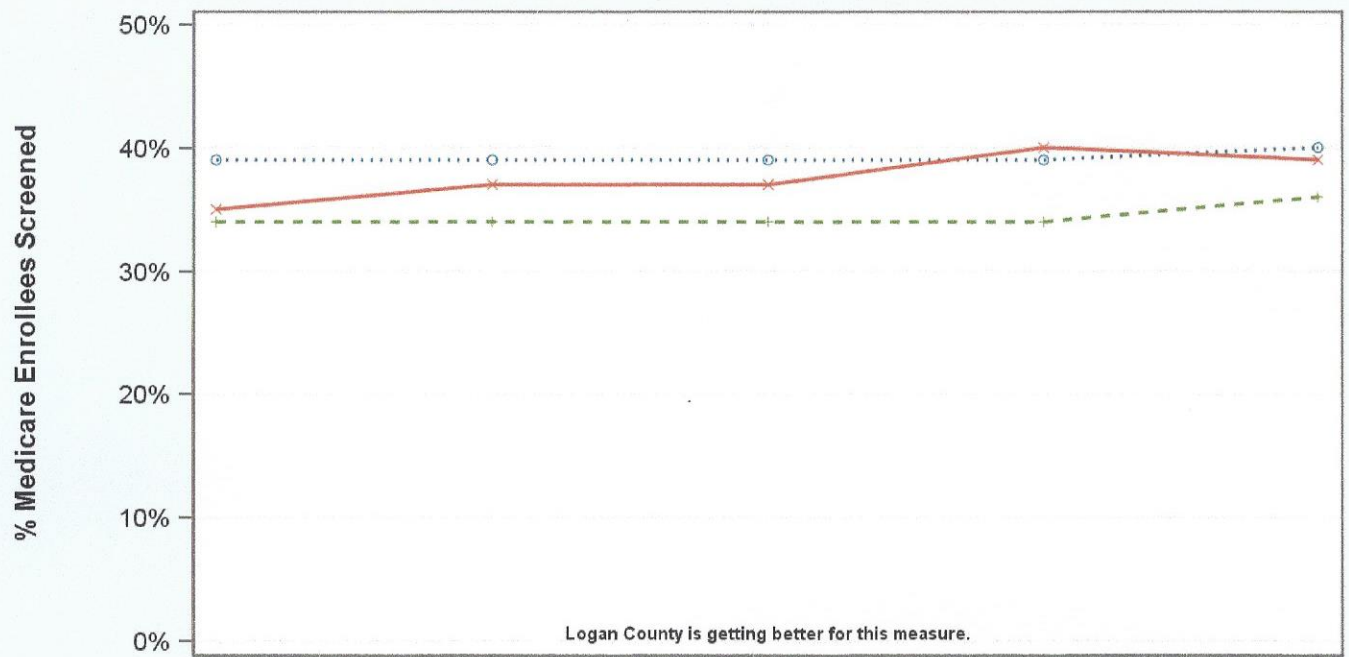


Year	2012	2013	2014	2015	2016
United States	5,121	4,888	4,618	4,289	4,648
Oklahoma	5,863	5,302	5,019	4,733	4,862
Logan County	4,361	3,927	3,521	4,232	4,169

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.

Mammography screening in Logan County, OK County, State and National Trends

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Year	2012	2013	2014	2015	2016
United States	39%	39%	39%	39%	40%
Oklahoma	34%	34%	34%	34%	36%
Logan County	35%	37%	37%	40%	39%

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.

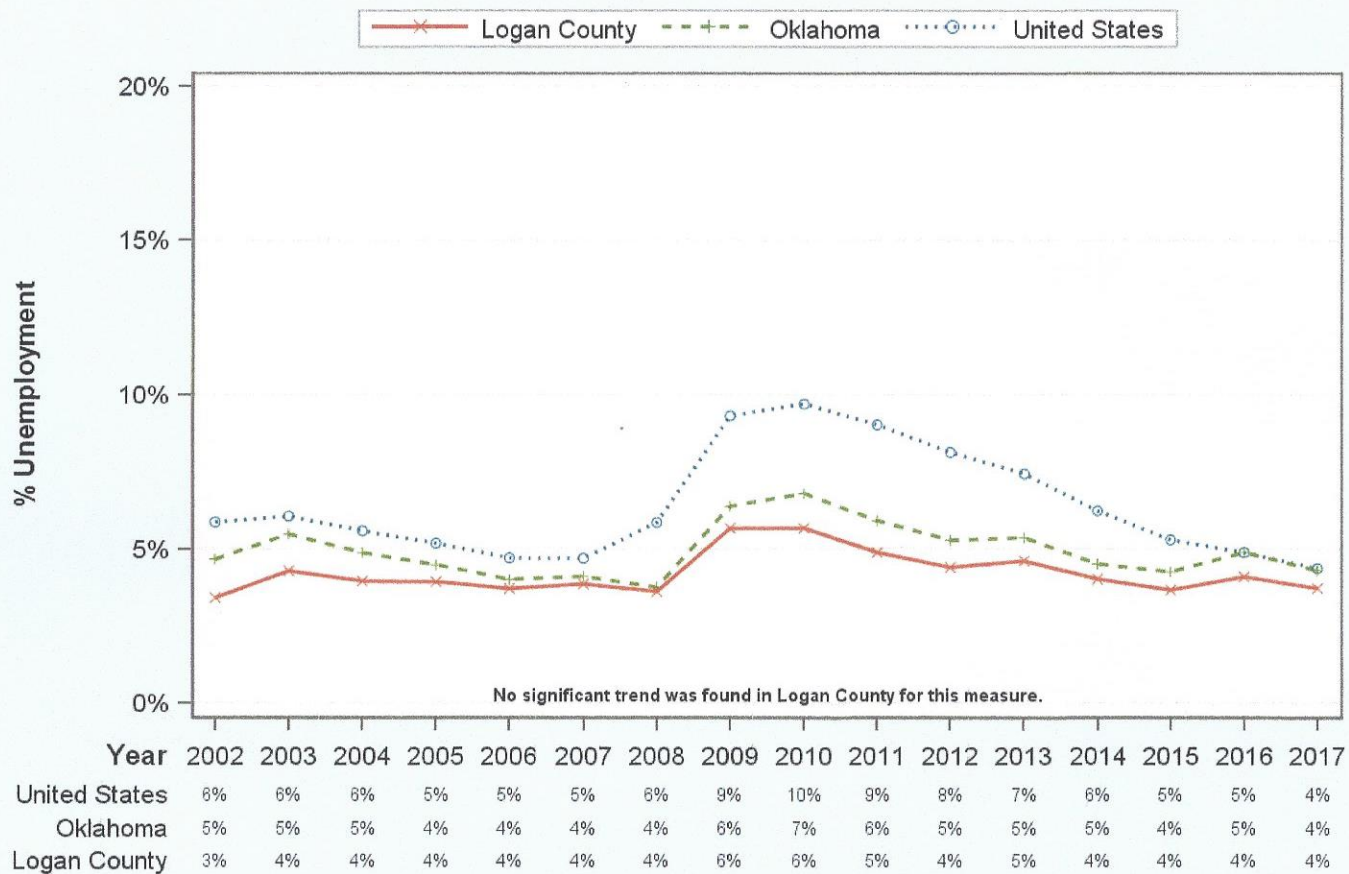
Flu vaccinations in Logan County, OK County, State and National Trends



Year	2012	2013	2014	2015	2016
United States	42%	43%	43%	41%	42%
Oklahoma	46%	46%	47%	45%	46%
Logan County	47%	47%	49%	41%	43%

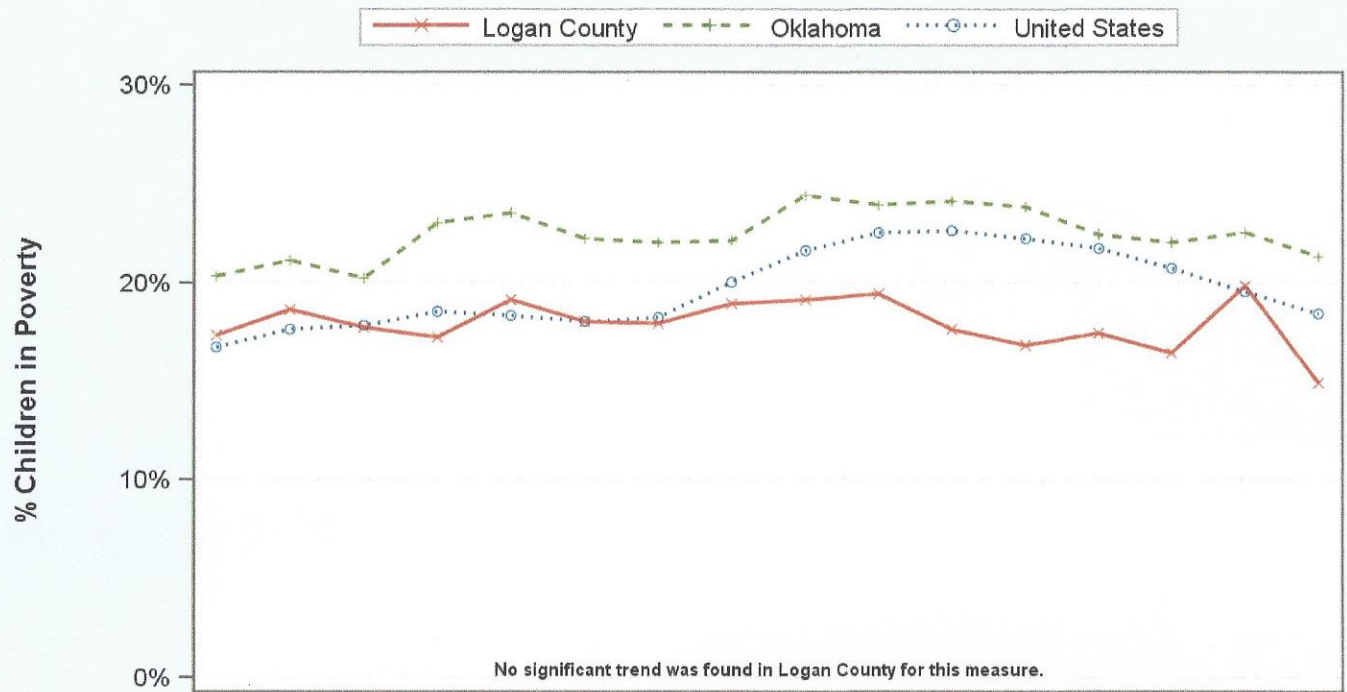
Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.

Unemployment rate in Logan County, OK County, State and National Trends



Please see *Measuring Progress/Rankings Measures* for more information on trends. Trends were measured using all years of data.

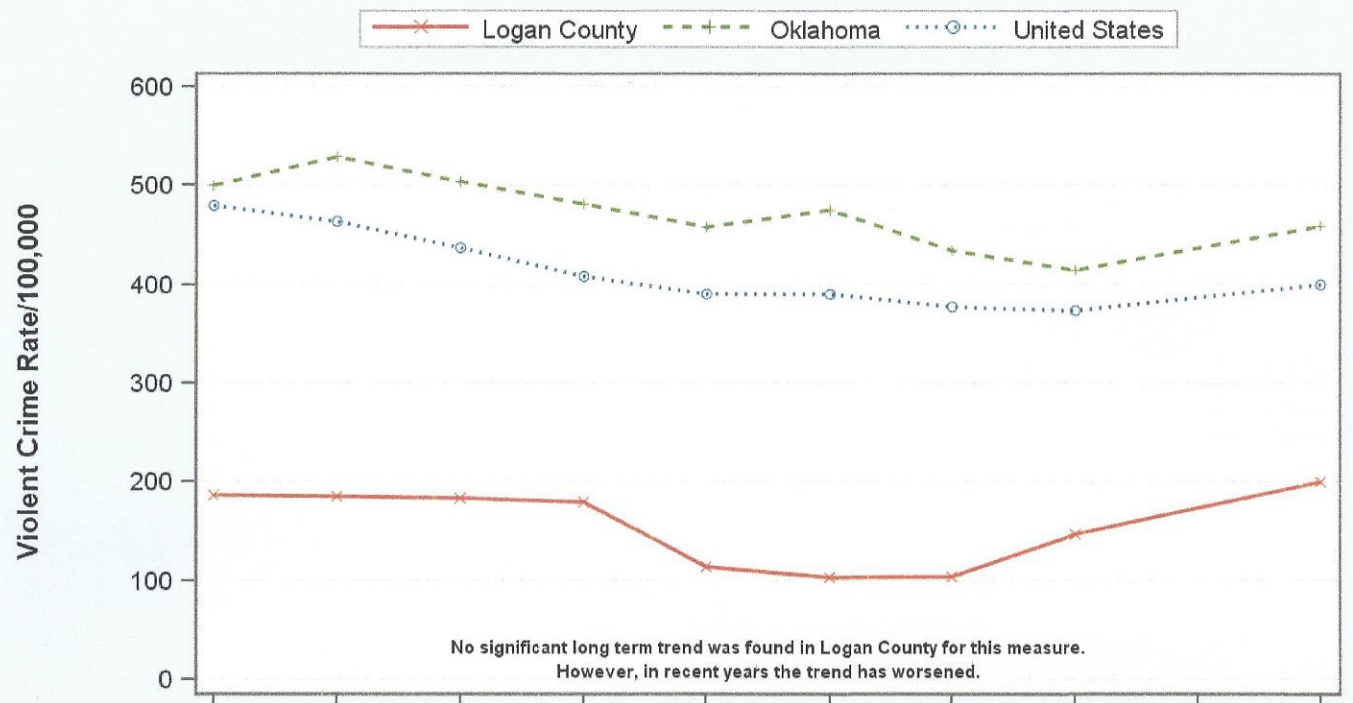
Children in poverty in Logan County, OK County, State and National Trends



Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
United States	17%	18%	18%	19%	18%	18%	18%	20%	22%	23%	23%	22%	22%	21%	20%	18%
Oklahoma	20%	21%	20%	23%	24%	22%	22%	22%	24%	24%	24%	24%	22%	22%	23%	21%
Logan County	17%	19%	18%	17%	19%	18%	18%	19%	19%	19%	18%	17%	17%	16%	20%	15%

*Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data.
Note: Prior to 2005, children in poverty was based on the Current Population Survey; beginning in 2005, it was based on the American Community Survey.*

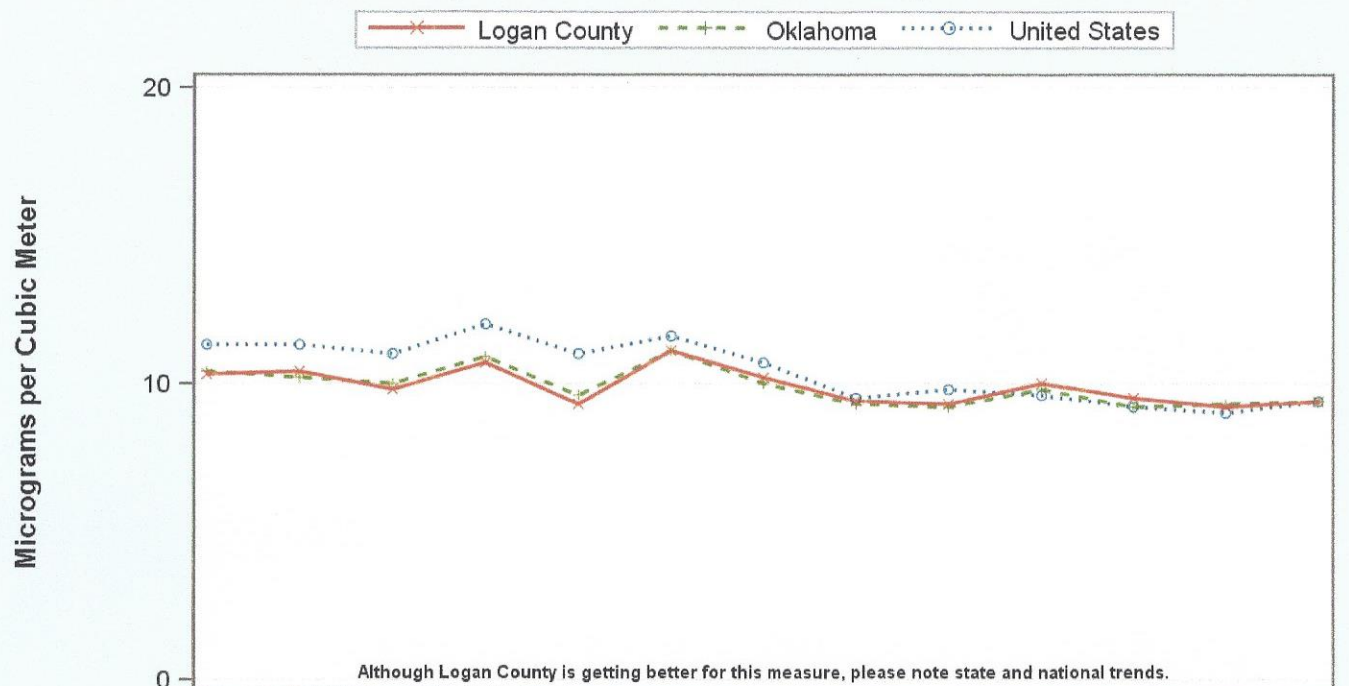
Violent crime rate in Logan County, OK County, State and National Trends



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
United States	479	463	436	408	390	390	377	373		399
Oklahoma	500	528	503	481	457	475	434	414		458
Logan County	186	185	183	179	113	103	104	146		200

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data. 2015 data is unavailable for all counties and states.

Air pollution - particulate matter in Logan County, OK Average Density of Fine Particulate Matter: County, State and National Trends



Year(s)	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
United States	11	11	11	12	11	12	11	10	10	10	9	9	9
Oklahoma	10	10	10	11	10	11	10	9	9	10	9	9	9
Logan County	10	10	10	11	9	11	10	9	9	10	10	9	9

Please see Measuring Progress/Rankings Measures for more information on trends. Trends were measured using all years of data. Data in this trend graph are taken from the Environmental Public Health Tracking Network, and will not match data used in the 2014-2016 Rankings.