



Public Health Advisory Council Sign-in Sheet

Health Department, 2nd Floor Board Room
2030 Tecumseh Road
Manhattan, KS 66502
March 30th 2016 @4:00pm
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County Health Rankings & Roadmaps

Building a Culture of Health, County by County

A Robert Wood Johnson Foundation program

2016 *County Health Rankings*

Kansas



A collaboration between the Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute.



Support provided by

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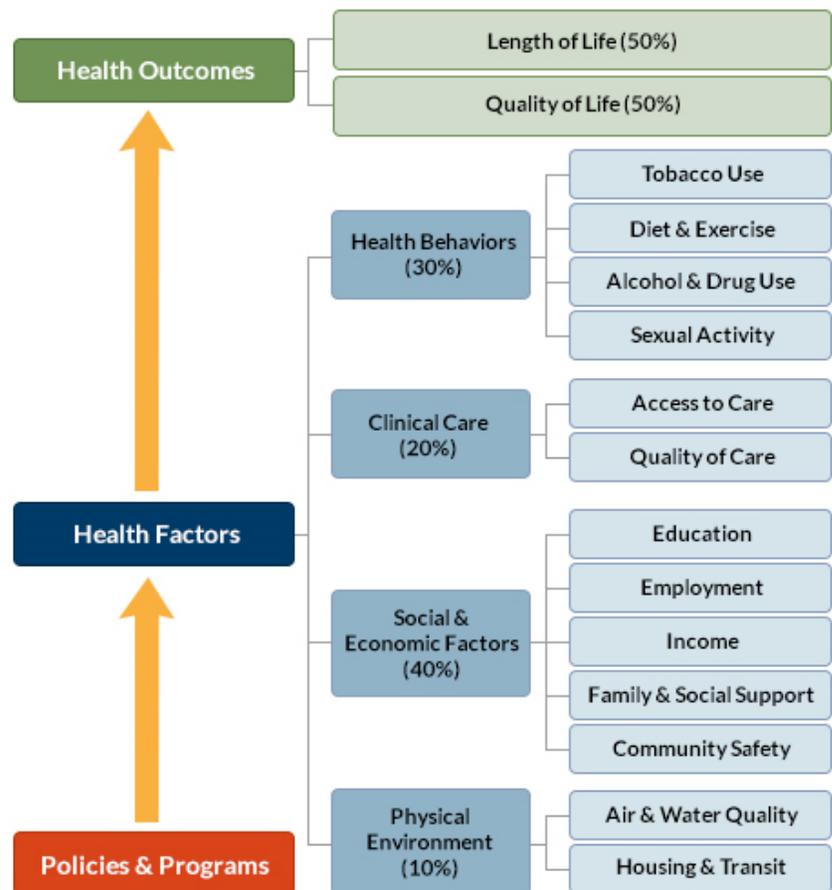


INTRODUCTION

The *County Health Rankings & Roadmaps* program brings actionable data and strategies to communities to make it easier for people to be healthy in their homes, schools, workplaces, and neighborhoods. Ranking the health of nearly every county in the nation, the *County Health Rankings* illustrate what we know when it comes to what is making people sick or healthy. The *Roadmaps* show what we can do to create healthier places to live, learn, work, and play. The Robert Wood Johnson Foundation (RWJF) collaborates with the University of Wisconsin Population Health Institute (UWPHI) to bring this program to cities, counties, and states across the nation.

WHAT ARE THE COUNTY HEALTH RANKINGS?

Published online at countyhealthrankings.org, the *Rankings* help counties understand what influences how healthy residents are and how long they will live. The *Rankings* are unique in their ability to measure the current overall health of nearly every county in all 50 states. They also look at a variety of measures that affect the future health of communities, such as high school graduation rates, access to healthy foods, rates of smoking, obesity, and teen births. Communities use the *Rankings* to help identify issues and opportunities for local health improvement, as well as to garner support for initiatives among government agencies, healthcare providers, community organizations, business leaders, policy makers, and the public.



DIGGING DEEPER INTO HEALTH DATA

Although we know that a range of factors are important for good health, every state has communities that lack both opportunities to shape good health and strong policies to promote health for everyone. Some counties lag far behind others in how well and how long people live – which we refer to as a “health gap.” Find out what's driving health differences across your state and what can be done to close those gaps. Visit countyhealthrankings.org/reports.

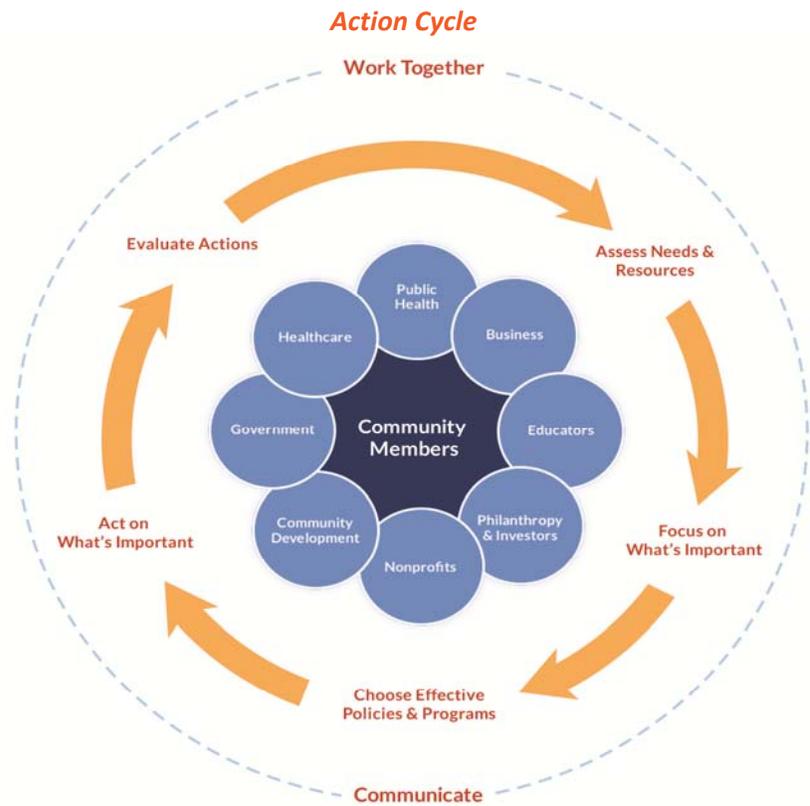
To further explore health gaps and other data sources in your community, check out the feature to [find more data](#) for your state and [dig deeper](#) on differences in health factors by geography or by population sub-groups. Visit countyhealthrankings.org/using-the-rankings-data.

MOVING FROM DATA TO ACTION

Roadmaps to Health help communities bring people together to look at the many factors that influence health and opportunities to reduce health gaps, select strategies that can improve health for all, and make changes that will have a lasting impact. The *Roadmaps* focus on helping communities move from *awareness* about their county's ranking to *actions* designed to improve everyone's health. The *Roadmaps to Health* Action Center is a one-stop shop of information to help any community member or leader who wants to improve their community's health by addressing factors that we know influence health, such as education, income, and community safety.

Within the Action Center you will find:

- Online step-by-step guidance and tools to move through the Action Cycle
- [What Works for Health](#) – a searchable database of evidence-informed policies and programs that can improve health
- Webinars featuring local community members who share their tips on how to build a healthier community
- Community coaches, located across the nation, who provide customized consultation to local leaders who request guidance in how to accelerate their efforts to improve health. You can contact a coach by activating the Get Help button at countyhealthrankings.org



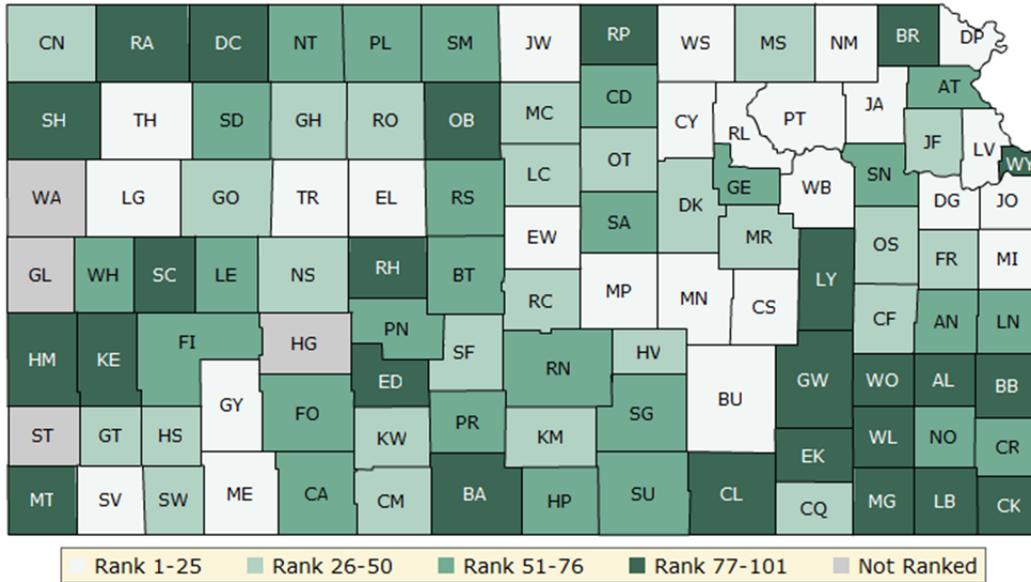
HOW CAN YOU GET INVOLVED?

You might want to contact your local affiliate of United Way Worldwide, the National Association of Counties, Local Initiatives Support Corporation (LISC), or Neighborworks— their national parent organizations have partnered with us to raise awareness and stimulate action to improve health in their local members' communities. By connecting with other leaders interested in improving health, you can make a difference in your community. In communities large and small, people from all walks of life are taking ownership and action to improve health. Visit countyhealthrankings.org to get ideas and guidance on how you can take action in your community. Working with others, you can improve the health of your community.

HOW DO COUNTIES RANK FOR HEALTH OUTCOMES?

The green map below shows the distribution of Kansas's **health outcomes**, based on an equal weighting of length and quality of life.

Lighter shades indicate better performance in the respective summary rankings. Detailed information on the underlying measures is available at countyhealthrankings.org.

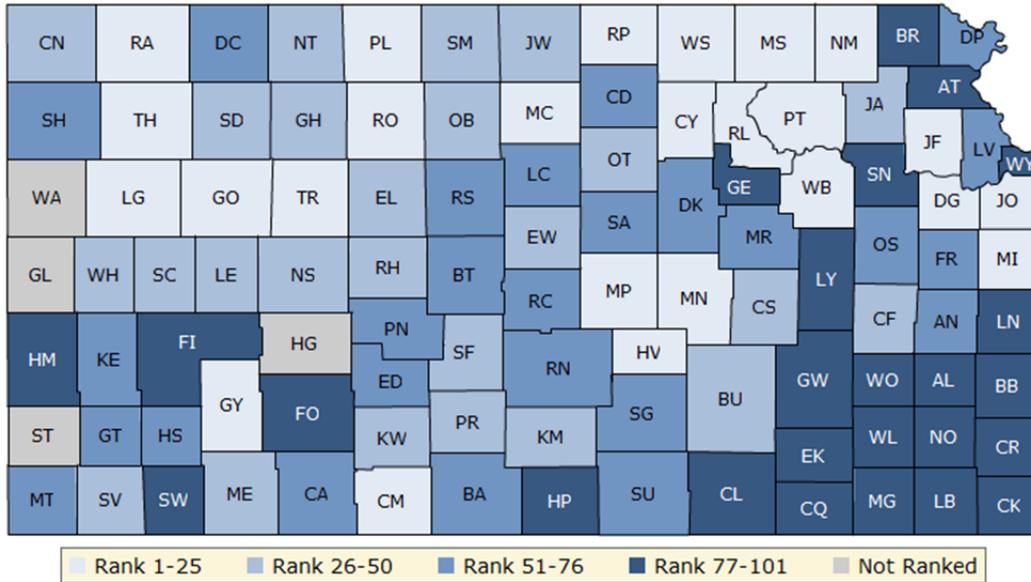


County	Rank	County	Rank	County	Rank	County	Rank
Allen	91	Finney	63	Logan	3	Rooks	40
Anderson	65	Ford	68	Lyon	79	Rush	77
Atchison	67	Franklin	41	Marion	23	Russell	52
Barber	85	Geary	64	Marshall	30	Saline	61
Barton	73	Gove	38	McPherson	9	Scott	87
Bourbon	86	Graham	50	Meade	15	Sedgwick	69
Brown	94	Grant	29	Miami	11	Seward	44
Butler	21	Gray	13	Mitchell	39	Shawnee	51
Chase	25	Greeley	NR	Montgomery	88	Sheridan	53
Chautauqua	46	Greenwood	90	Morris	32	Sherman	93
Cherokee	98	Hamilton	80	Morton	89	Smith	60
Cheyenne	49	Harper	71	Nemaha	19	Stafford	33
Clark	76	Harvey	27	Neosho	55	Stanton	NR
Clay	22	Haskell	35	Ness	43	Stevens	6
Cloud	74	Hodgeman	NR	Norton	75	Sumner	58
Coffey	37	Jackson	17	Osage	36	Thomas	2
Comanche	45	Jefferson	26	Osborne	92	Trego	20
Cowley	84	Jewell	10	Ottawa	28	Wabaunsee	7
Crawford	72	Johnson	1	Pawnee	56	Wallace	NR
Decatur	99	Kearny	83	Phillips	70	Washington	12
Dickinson	31	Kingman	42	Pottawatomie	4	Wichita	59
Doniphan	5	Kiowa	48	Pratt	66	Wilson	97
Douglas	8	Labette	100	Rawlins	78	Woodson	96
Edwards	81	Lane	62	Reno	57	Wyandotte	101
Elk	95	Leavenworth	24	Republic	82		
Ellis	18	Lincoln	34	Rice	47		
Ellsworth	16	Linn	54	Riley	14		

HOW DO COUNTIES RANK FOR HEALTH FACTORS?

The blue map displays Kansas’s summary ranks for **health factors**, based on weighted scores for health behaviors, clinical care, social and economic factors, and the physical environment.

Lighter shades indicate better performance in the respective summary rankings. Detailed information on the underlying measures is available at countyhealthrankings.org



County	Rank	County	Rank	County	Rank	County	Rank
Allen	77	Finney	88	Logan	10	Rooks	21
Anderson	70	Ford	89	Lyon	84	Rush	42
Atchison	82	Franklin	71	Marion	12	Russell	67
Barber	68	Geary	93	Marshall	13	Saline	61
Barton	75	Gove	22	McPherson	2	Scott	27
Bourbon	97	Graham	45	Meade	29	Sedgwick	76
Brown	80	Grant	73	Miami	24	Seward	96
Butler	32	Gray	14	Mitchell	7	Shawnee	79
Chase	37	Greeley	NR	Montgomery	100	Sheridan	33
Chautauqua	95	Greenwood	83	Morris	53	Sherman	74
Cherokee	98	Hamilton	90	Morton	55	Smith	47
Cheyenne	38	Harper	78	Nemaha	3	Stafford	41
Clark	52	Harvey	20	Neosho	92	Stanton	NR
Clay	15	Haskell	72	Ness	31	Stevens	49
Cloud	69	Hodgeman	NR	Norton	46	Sumner	64
Coffey	35	Jackson	36	Osage	65	Thomas	25
Comanche	8	Jefferson	19	Osborne	44	Trego	5
Cowley	81	Jewell	30	Ottawa	26	Wabaunsee	6
Crawford	94	Johnson	1	Pawnee	51	Wallace	NR
Decatur	66	Kearny	57	Phillips	23	Washington	16
Dickinson	58	Kingman	50	Pottawatomie	4	Wichita	39
Doniphan	62	Kiowa	48	Pratt	28	Wilson	87
Douglas	11	Labette	99	Rawlins	9	Woodson	91
Edwards	54	Lane	34	Reno	63	Wyandotte	101
Elk	85	Leavenworth	59	Republic	17		
Ellis	40	Lincoln	60	Rice	56		
Ellsworth	43	Linn	86	Riley	18		

2016 COUNTY HEALTH RANKINGS: MEASURES AND NATIONAL/STATE RESULTS

Measure	Description	US Median	State Overall	State Minimum	State Maximum
HEALTH OUTCOMES					
Premature death	Years of potential life lost before age 75 per 100,000 population	7,700	6,800	4,300	11,900
Poor or fair health	% of adults reporting fair or poor health	16%	14%	9%	23%
Poor physical health days	Average # of physically unhealthy days reported in past 30 days	3.7	3.1	2.3	3.9
Poor mental health days	Average # of mentally unhealthy days reported in past 30 days	3.7	3.0	2.5	3.6
Low birthweight	% of live births with low birthweight (< 2500 grams)	8%	7%	4%	12%
HEALTH FACTORS					
HEALTH BEHAVIORS					
Adult smoking	% of adults who are current smokers	18%	17%	13%	23%
Adult obesity	% of adults that report a BMI \geq 30	31%	30%	23%	39%
Food environment index	Index of factors that contribute to a healthy food environment, (0-10)	7.2	7.2	2.8	9.2
Physical inactivity	% of adults aged 20 and over reporting no leisure-time physical activity	28%	25%	17%	36%
Access to exercise opportunities	% of population with adequate access to locations for physical activity	62%	76%	0%	99%
Excessive drinking	% of adults reporting binge or heavy drinking	17%	17%	14%	22%
Alcohol-impaired driving deaths	% of driving deaths with alcohol involvement	31%	33%	0%	100%
Sexually transmitted infections	# of newly diagnosed chlamydia cases per 100,000 population	287.7	381.6	62.0	704.5
Teen births	# of births per 1,000 female population ages 15-19	40	38	12	88
CLINICAL CARE					
Uninsured	% of population under age 65 without health insurance	17%	14%	10%	24%
Primary care physicians	Ratio of population to primary care physicians	1,990:1	1,330:1	16,140:1	550:1
Dentists	Ratio of population to dentists	2,590:1	1,840:1	3,170:0	650:1
Mental health providers	Ratio of population to mental health providers	1,060:1	550:1	15,940:1	150:1
Preventable hospital stays	# of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees	60	55	25	207
Diabetic monitoring	% of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	85%	86%	69%	93%
Mammography screening	% of female Medicare enrollees ages 67-69 that receive mammography screening	61%	63%	34%	80%
SOCIAL AND ECONOMIC FACTORS					
High school graduation	% of ninth-grade cohort that graduates in four years	86%	85%	33%	95%
Some college	% of adults ages 25-44 with some post-secondary education	56%	69%	37%	84%
Unemployment	% of population aged 16 and older unemployed but seeking work	6.0%	4.5%	2.2%	7.2%
Children in poverty	% of children under age 18 in poverty	23%	18%	8%	35%
Income inequality	Ratio of household income at the 80th percentile to income at the 20th percentile	4.4	4.4	2.9	5.3
Children in single-parent households	% of children that live in a household headed by a single parent	32%	29%	1%	48%
Social associations	# of membership associations per 10,000 population	13.0	13.9	8.1	58.1
Violent crime	# of reported violent crime offenses per 100,000 population	199	360	0	648
Injury deaths	# of deaths due to injury per 100,000 population	74	67	33	152
PHYSICAL ENVIRONMENT					
Air pollution – particulate matter	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	11.9	10.9	8.1	13.3
Drinking water violations	Indicator of the presence of health-related drinking water violations. Yes - indicates the presence of a violation, No - indicates no violation.	NA	NA	No	Yes
Severe housing problems	% of households with overcrowding, high housing costs, or lack of kitchen or plumbing facilities	14%	13%	5%	25%
Driving alone to work	% of workforce that drives alone to work	80%	82%	66%	89%
Long commute – driving alone	Among workers who commute in their car alone, % commuting > 30 minutes	29%	20%	6%	50%

2016 COUNTY HEALTH RANKINGS: DATA SOURCES AND YEARS OF DATA

	Measure	Data Source	Years of Data
HEALTH OUTCOMES			
Length of Life	Premature death	National Center for Health Statistics – Mortality files	2011-2013
Quality of Life	Poor or fair health	Behavioral Risk Factor Surveillance System	2014
	Poor physical health days	Behavioral Risk Factor Surveillance System	2014
	Poor mental health days	Behavioral Risk Factor Surveillance System	2014
	Low birthweight	National Center for Health Statistics – Natality files	2007-2013
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking	Behavioral Risk Factor Surveillance System	2014
Diet and Exercise	Adult obesity	CDC Diabetes Interactive Atlas	2012
	Food environment index	USDA Food Environment Atlas, Map the Meal Gap	2013
	Physical inactivity	CDC Diabetes Interactive Atlas	2012
	Access to exercise opportunities	Business Analyst, Delorme map data, ESRI, & US Census Tigerline Files	2010 & 2014
Alcohol and Drug Use	Excessive drinking	Behavioral Risk Factor Surveillance System	2014
	Alcohol-impaired driving deaths	Fatality Analysis Reporting System	2010-2014
Sexual Activity	Sexually transmitted infections	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	2013
	Teen births	National Center for Health Statistics - Natality files	2007-2013
CLINICAL CARE			
Access to Care	Uninsured	Small Area Health Insurance Estimates	2013
	Primary care physicians	Area Health Resource File/American Medical Association	2013
	Dentists	Area Health Resource File/National Provider Identification file	2014
	Mental health providers	CMS, National Provider Identification file	2015
Quality of Care	Preventable hospital stays	Dartmouth Atlas of Health Care	2013
	Diabetic monitoring	Dartmouth Atlas of Health Care	2013
	Mammography screening	Dartmouth Atlas of Health Care	2013
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation	EDFacts	2012-2013
	Some college	American Community Survey	2010-2014
Employment	Unemployment	Bureau of Labor Statistics	2014
Income	Children in poverty	Small Area Income and Poverty Estimates	2014
	Income inequality	American Community Survey	2010-2014
Family and Social Support	Children in single-parent households	American Community Survey	2010-2014
	Social associations	County Business Patterns	2013
Community Safety	Violent crime	Uniform Crime Reporting – FBI	2010-2012
	Injury deaths	CDC WONDER mortality data	2009-2013
PHYSICAL ENVIRONMENT			
Air and Water Quality	Air pollution - particulate matter ¹	CDC WONDER environmental data	2011
	Drinking water violations	Safe Drinking Water Information System	FY2013-14
Housing and Transit	Severe housing problems	Comprehensive Housing Affordability Strategy (CHAS) data	2008-2012
	Driving alone to work	American Community Survey	2010-2014
	Long commute – driving alone	American Community Survey	2010-2014

¹ Not available for AK and HI.

CREDITS

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2016

Riley County

RILEY COUNTY, KANSAS | 2012-2016 | Pop. 75,194

	2012	2013	2014	2015	2016	Kansas 2016
Number of Counties Ranked	100	102	98	101	101	101
Health Outcomes- Rank	1	2	2	1	14	n/a
Length of life- Rank	2	3	3	3	2	n/a
Premature death (Years of Potential Life Lost)	4227	4974	4974	4492	4631	6786
Quality of life- Rank	8	11	6	9	55	n/a
% Reporting poor or fair health*	7	7	7	7	14	14
# Poor physical health days*	2.1	2.2	2.4	2.4	3.4	3.1
# Poor mental health days*	2.9	2.9	2.8	2.8	3.2	3
% Low birthweight	5.9	5.8	5.7	5.7	5.9	7.1
Health Factors- Rank	5	6	12	11	18	n/a
Health Behaviors- Rank	4	5	9	9	26	n/a
% Adult smokers*	14	13	16	16	17	17
% Obese adults	27	27	27	27	24	30
Food environment index			5.3	4.9	4.8	7.2
% Physically inactive adults	19	19	17	17	17	25
% Access to exercise opportunities			60	93	91	76
% Excessive drinking*	22	21	18	18	22	17
% Driving deaths with alcohol-impairment			19	13	13	33
Motor vehicle crash death rate	8	7				
Sexually transmitted infection rate	528	471	467	556	485	382
Teen birth rate	21	18	18	18	17	38
Clinical Care- Rank	6	6	10	4	8	n/a
% Uninsured	13	14	14	13	12	14
Primary care physicians rate*	87	67	67	64	66	75
Dentist rate		41	50	54	57	54
Mental health provider rate			113	188	202	181
Preventable hospital stays	48	38	46	41	41	55
% Diabetic screening	82	85	85	83	85	86
% Mammography screening	81	74	70	72	69	63
Social & Economic Factors- Rank	30	38	42	39	31	n/a
% High school graduation*	92	69	69	76	83	85
% Population with some college	79	82	81	83	83	69
% Unemployed	5	5	4.5	4.5	3.7	4.5
% Children in poverty	18	17	19	17	17	18
Income inequality				5.1	4.8	4.4
% No social-emotional support	13	13	13			
% Children in single-parent households	23	22	22	24	26	29
Membership associations rate				11.4	11.1	13.9
Violent crime rate	329	305	281	262	262	360
Injury death rate			34	35	37	67
Physical Environment- Rank	76	61	43	58	90	n/a
Daily fine particulate matter		9	9.5	9.5	9.5	10.9
# Ozone days	0					
% Exposed to unsafe drinking water		0	0	0		
Drinking water violations? yes/no					Yes	0.51
% Severe housing problems			23	24	25	13
% Limited access to healthy foods	2	22				
% Driving alone to work			69	70	71	82
% Long commute - driving alone			14	14	13	20
Access to recreational facilities rate	6	7				
% Restaurants that are fast food	51	49				

Empty cells: Shaded = Item was not used to calculate rankings that year; White = Data unavailable. NR: Health outcomes (e.g., length of life) or health factors (e.g., health behaviors) were not ranked that year. N/A: State is not ranked against counties.

* Represent substantial changes in data sources or calculation of the measure that would affect year-to-year comparisons. Please refer to the County Health Rankings & Roadmaps to find out more about the indicator changes.

This document was prepared by the staff at the Kansas Health Institute. If you would like more information about County Health Rankings & Roadmaps, please contact Tatiana Lin at (785) 233-5443 or email at tlin@khi.org.



Informing Policy. Improving Health.

Health Factors Rank: 18
Health Outcomes Rank: 14

The annual *County Health Rankings* provide a snapshot of the health of Kansas counties. The *Rankings* are made up of two summary scores: **Health Factors** (which measure factors that can shape the health outcomes) and **Health Outcomes** (which measure disease and deaths). The following tables illustrate this county's "drivers," or measures with the greatest impact on the county's rankings.

What do these drivers mean?

The drivers indicate the measures with the greatest impact on a county's ranking position. For counties ranking in the top half, these drivers are measures on which the county performed particularly well. For counties with rankings in the bottom half, the drivers indicate priority areas which, if improved, could have the greatest impact on improving the overall county ranking.

Health Factors: Drivers with greatest impact on ranking, Riley County, KS – 2016

	Measure	Description	Factor Category	County Value	State Value	Impact on Ranking
1	Adult obesity	Percentage of adults that report a BMI greater than or equal to 30	Health Behaviors	24%	30%	↑
2	Excessive drinking	Percentage of adults reporting binge or heavy drinking	Health Behaviors	22%	17%	↓
3	Some college	Percentage of adults ages 25-44 with some post-secondary education	Social & Economic Factors	82.9%	68.7%	↑
4	Severe housing problems	Percentage of households with overcrowding, high housing costs, or lack of kitchen or plumbing facilities	Physical Environment	25%	13%	↓
5	Physical inactivity	Percentage of adults aged 20 and over reporting no leisure time physical activity	Health Behaviors	17%	25%	↑

Health Outcomes: Drivers with greatest impact on ranking, Riley County, KS – 2016

	Measure	Description	Outcome Category	County Value	State Value	Impact on Ranking
1	Premature death	Years of potential life lost before age 75 per 100,000 population	Length of Life	4,631	6,786	↑
2	Low birthweight	Percentage of live births with low birthweight (<2500 grams)	Quality of Life	6%	7%	↑
3	Poor mental health days	Average number of mentally unhealthy days reported in the past 30 days	Quality of Life	3.2	3	↓
4	Poor physical health days	Average number of physically unhealthy days reported in the past 30 days	Quality of Life	3.4	3.1	↓
5	Poor or fair health	Percentage of adults reporting poor or fair health	Quality of Life	14%	14%	↑

***Technical Note:** Measures for each of the indicators are standardized using a statistical measurement called the Z-score. A Z-score measures the distance between the county value for an indicator and the average value for that indicator of all responding counties. The greater the distance between the county value and the state average, the greater the impact of that measure on the ranking. For more information on the calculation of score and rankings please visit: <http://bit.ly/24piH1i>.