

County Health Rankings & Roadmaps

Building a Culture of Health, County by County

A Robert Wood Johnson Foundation program

2015 *County Health Rankings*

Kentucky



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



Support
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INTRODUCTION

The *County Health Rankings & Roadmaps* program helps communities identify and implement solutions that make it easier for people to be healthy in their homes, schools, workplaces, and neighborhoods. 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. 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 to Health* and *RWJF Culture of Health Prize* show what we can do to create healthier places to live, learn, work, and play.

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 each 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 identify and garner support for local health improvement initiatives among government agencies, healthcare providers, community organizations, business leaders, policy makers, and the public.



MOVING FROM DATA TO ACTION

Roadmaps to Health help communities bring people together to look at the many factors that influence health, select strategies that work, and make changes that will have a lasting impact. The *Roadmaps* focus on helping communities move from awareness about their county's ranking to action

to improve people'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

LEARNING FROM OTHERS

At countyhealthrankings.org, we feature stories from communities across the nation who have used data from the *County Health Rankings* or have engaged in strategies to improve health. The *RWJF Culture of Health Prize* recognizes communities that are creating powerful partnerships and deep commitments to enable everyone in our diverse society to lead healthy lives now and for generations to come. The Prize is awarded annually by RWJF to honor communities that are working to build a Culture of Health by implementing solutions that give everyone the opportunity for a healthy life. In 2015, up to 10 winning communities will each receive a \$25,000 cash prize and have their stories shared broadly with the goal of inspiring locally driven change across the nation.

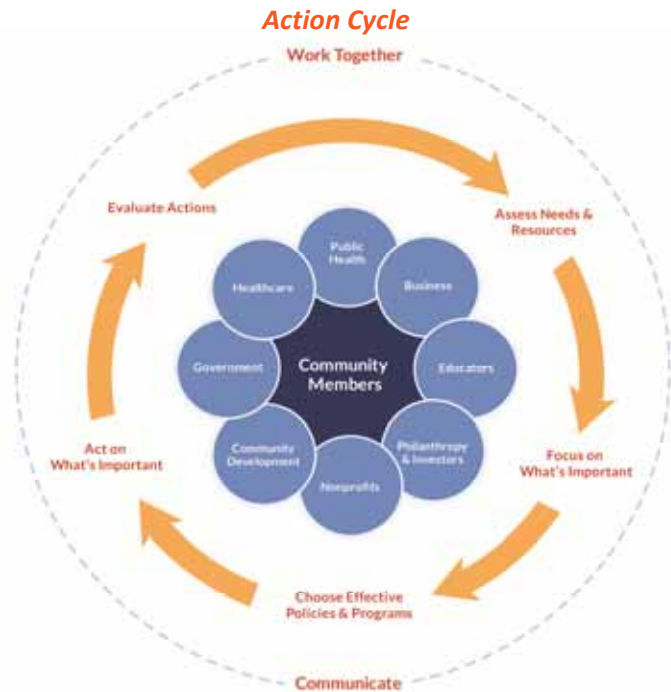
Prize winners are selected based on how well they demonstrate their community's achievement on their journey to a Culture of Health in the following areas:

- Defining health in the broadest possible terms
- Committing to sustainable systems changes and long-term policy-oriented solutions
- Cultivating a shared and deeply held belief in the importance of equal opportunity for health
- Harnessing the collective power of leaders, partners, and community members
- Securing and making the most of resources
- Measuring and sharing progress and results

Visit countyhealthrankings.org or rwjf.org/prize to learn about the work of past Prize winners and the application process.

HOW CAN YOU GET INVOLVED?

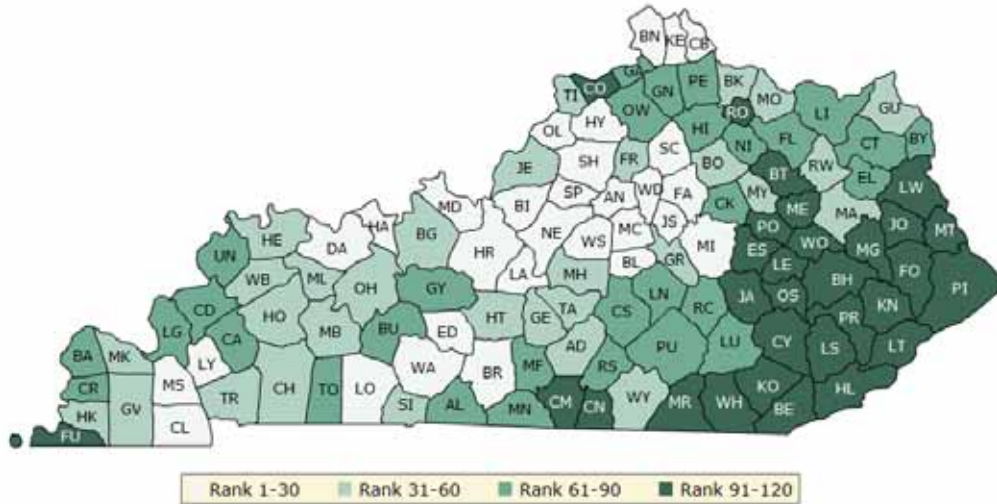
You might want to contact your local affiliate of United Way Worldwide or the National Association of Counties – their national parent organizations have partnered with us to raise awareness and stimulate action to improve health in their local members' communities. By connecting with other leaders interested 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 Kentucky's **health outcomes**, based on an equal weighting of length and quality of life.

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

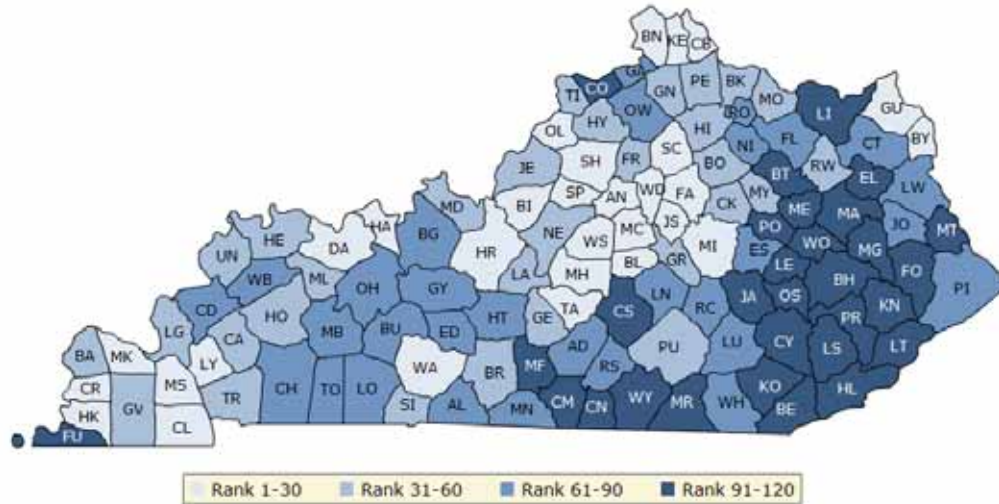


County	Rank	County	Rank	County	Rank	County	Rank
Adair	33	Edmonson	29	Knox	94	Nicholas	90
Allen	65	Elliott	84	Larue	12	Ohio	58
Anderson	24	Estill	97	Laurel	66	Oldham	2
Ballard	83	Fayette	4	Lawrence	106	Owen	62
Barren	25	Fleming	74	Lee	111	Owsley	120
Bath	93	Floyd	119	Leslie	118	Pendleton	80
Bell	104	Franklin	32	Letcher	100	Perry	116
Boone	1	Fulton	101	Lewis	79	Pike	113
Bourbon	35	Gallatin	88	Lincoln	86	Powell	91
Boyd	69	Garrard	47	Livingston	70	Pulaski	68
Boyle	28	Grant	75	Logan	30	Robertson	108
Bracken	46	Graves	31	Lyon	17	Rockcastle	89
Breathitt	112	Grayson	71	Madison	16	Rowan	60
Breckinridge	49	Green	38	Magoffin	103	Russell	61
Bullitt	27	Greenup	39	Marion	57	Scott	6
Butler	81	Hancock	23	Marshall	26	Shelby	3
Caldwell	63	Hardin	8	Martin	115	Simpson	51
Calloway	7	Harlan	109	Mason	36	Spencer	11
Campbell	22	Harrison	87	McCracken	42	Taylor	45
Carlisle	77	Hart	37	McCreary	95	Todd	78
Carroll	96	Henderson	43	McLean	50	Trigg	44
Carter	82	Henry	13	Meade	19	Trimble	56
Casey	76	Hickman	55	Menifee	92	Union	67
Christian	52	Hopkins	54	Mercer	15	Warren	20
Clark	73	Jackson	107	Metcalfe	85	Washington	9
Clay	117	Jefferson	34	Monroe	72	Wayne	59
Clinton	99	Jessamine	5	Montgomery	40	Webster	53
Crittenden	64	Johnson	105	Morgan	48	Whitley	98
Cumberland	102	Kenton	18	Muhlenberg	41	Wolfe	110
Daviess	14	Knott	114	Nelson	21	Woodford	10

HOW DO COUNTIES RANK FOR HEALTH FACTORS?

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

Lighter colors 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
Adair	84	Edmonson	83	Knox	108	Nicholas	65
Allen	75	Elliott	100	Larue	34	Ohio	62
Anderson	5	Estill	82	Laurel	74	Oldham	1
Ballard	39	Fayette	6	Lawrence	88	Owen	64
Barren	43	Fleming	78	Lee	111	Owsley	110
Bath	98	Floyd	101	Leslie	118	Pendleton	50
Bell	112	Franklin	32	Letcher	103	Perry	107
Boone	2	Fulton	102	Lewis	95	Pike	80
Bourbon	36	Gallatin	89	Lincoln	87	Powell	105
Boyd	18	Garrard	52	Livingston	58	Pulaski	57
Boyle	15	Grant	40	Logan	71	Robertson	77
Bracken	37	Graves	41	Lyon	20	Rockcastle	85
Breathitt	106	Grayson	79	Madison	8	Rowan	31
Breckinridge	68	Green	56	Magoffin	114	Russell	90
Bullitt	21	Greenup	28	Marion	25	Scott	4
Butler	66	Hancock	9	Marshall	19	Shelby	17
Caldwell	60	Hardin	11	Martin	119	Simpson	59
Calloway	13	Harlan	115	Mason	33	Spencer	7
Campbell	12	Harrison	47	McCracken	26	Taylor	30
Carlisle	22	Hart	61	McCreary	109	Todd	76
Carroll	104	Henderson	42	McLean	35	Trigg	45
Carter	72	Henry	51	Meade	54	Trimble	48
Casey	97	Hickman	29	Menifee	94	Union	46
Christian	69	Hopkins	49	Mercer	23	Warren	27
Clark	53	Jackson	113	Metcalfe	93	Washington	16
Clay	120	Jefferson	38	Monroe	81	Wayne	92
Clinton	91	Jessamine	24	Montgomery	55	Webster	67
Crittenden	86	Johnson	73	Morgan	99	Whitley	63
Cumberland	96	Kenton	14	Muhlenberg	70	Wolfe	117
Davies	10	Knott	116	Nelson	44	Woodford	3

2015 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	7681	8900	5284	16641
Poor or fair health	% of adults reporting fair or poor health	17%	21%	9%	41%
Poor physical health days	Average # of physically unhealthy days reported in past 30 days	3.7	4.8	2.4	8.9
Poor mental health days	Average # of mentally unhealthy days reported in past 30 days	3.5	4.3	2.4	7.9
Low birthweight	% of live births with low birthweight (< 2500 grams)	8%	9.1%	6.4%	15.5%
HEALTH FACTORS					
HEALTH BEHAVIORS					
Adult smoking	% of adults who are current smokers	21%	26%	14%	45%
Adult obesity	% of adults that report a BMI ≥ 30	31%	32%	27%	41%
Food environment index	Index of factors that contribute to a healthy food environment, (0-10)	7.3	7.2	3.6	8.9
Physical inactivity	% of adults aged 20 and over reporting no leisure-time physical activity	27%	29%	22%	40%
Access to exercise opportunities	% of population with adequate access to locations for physical activity	65%	72%	2%	100%
Excessive drinking	% of adults reporting binge or heavy drinking	16%	12%	4%	24%
Alcohol-impaired driving deaths	% of driving deaths with alcohol involvement	31%	29%	0%	100%
Sexually transmitted infections	# of newly diagnosed chlamydia cases per 100,000 population	291	394	39	1495
Teen births	# of births per 1,000 female population ages 15-19	41	48	15	89
CLINICAL CARE					
Uninsured	% of population under age 65 without health insurance	17%	16%	10%	23%
Primary care physicians	Ratio of population to primary care physicians	2015:1	1551:1	14151:1	806:1
Dentists	Ratio of population to dentists	2670:1	1683:1	2235:0	749:1
Mental health providers	Ratio of population to mental health providers	1128:1	621:1	21364:1	95:1
Preventable hospital stays	# of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees	65.3	94	52	268
Diabetic monitoring	% of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	85%	85%	67%	94%
Mammography screening	% of female Medicare enrollees ages 67-69 that receive mammography screening	61%	60.1%	31.5%	78.9%
SOCIAL AND ECONOMIC FACTORS					
High school graduation	% of ninth-grade cohort that graduates in four years	85%	86%	75%	100%
Some college	% of adults ages 25-44 with some post-secondary education	56%	58.1%	30.7%	72.7%
Unemployment	% of population aged 16 and older unemployed but seeking work	7%	8.3%	6.1%	17.7%
Children in poverty	% of children under age 18 in poverty	24%	26%	7%	55%
Income inequality	Ratio of household income at the 80th percentile to income at the 20th percentile	4.4	5.1	3.2	6.6
Children in single-parent households	% of children that live in a household headed by single parent	31%	34%	16%	49%
Social associations	# of membership associations per 10,000 population	12.6	10.8	1.2	27.4
Violent crime	# of reported violent crime offenses per 100,000 population	199	235	0	579
Injury deaths	# of deaths due to injury per 100,000 population	73.8	81	45	165
PHYSICAL ENVIRONMENT					
Air pollution – particulate matter	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	11.9	13.5	12.9	14.6
Drinking water violations	% of population potentially exposed to water exceeding a violation limit during the past year	1.0%	9%	0%	100%
Severe housing problems	% of households with overcrowding, high housing costs, or lack of kitchen or plumbing facilities	14%	14%	7%	22%
Driving alone to work	% of workforce that drives alone to work	80%	83%	73%	89%
Long commute – driving alone	Among workers who commute in their car alone, % commuting > 30 minutes	29%	28%	13%	63%

2015 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	2010-2012
Quality of Life	Poor or fair health	Behavioral Risk Factor Surveillance System	2006-2012
	Poor physical health days	Behavioral Risk Factor Surveillance System	2006-2012
	Poor mental health days	Behavioral Risk Factor Surveillance System	2006-2012
	Low birthweight	National Center for Health Statistics – Natality files	2006-2012
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking	Behavioral Risk Factor Surveillance System	2006-2012
Diet and Exercise	Adult obesity	CDC Diabetes Interactive Atlas	2011
	Food environment index	USDA Food Environment Atlas, Map the Meal Gap	2012
	Physical inactivity	CDC Diabetes Interactive Atlas	2011
	Access to exercise opportunities	Business Analyst, Delorme map data, ESRI, & US Census Tigerline Files	2010 & 2013
Alcohol and Drug Use	Excessive drinking	Behavioral Risk Factor Surveillance System	2006-2012
	Alcohol-impaired driving deaths	Fatality Analysis Reporting System	2009-2013
Sexual Activity	Sexually transmitted infections	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	2012
	Teen births	National Center for Health Statistics – Natality files	2006-2012
CLINICAL CARE			
Access to Care	Uninsured	Small Area Health Insurance Estimates	2012
	Primary care physicians	Area Health Resource File/American Medical Association	2012
	Dentists	Area Health Resource File/National Provider Identification file	2013
	Mental health providers	CMS, National Provider Identification file	2014
Quality of Care	Preventable hospital stays	Dartmouth Atlas of Health Care	2012
	Diabetic monitoring	Dartmouth Atlas of Health Care	2012
	Mammography screening	Dartmouth Atlas of Health Care	2012
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation	data.gov, supplemented w/ National Center for Education Statistics	2011-2012
	Some college	American Community Survey	2009-2013
Employment	Unemployment	Bureau of Labor Statistics	2013
Income	Children in poverty	Small Area Income and Poverty Estimates	2013
	Income inequality	American Community Survey	2009-2013
Family and Social Support	Children in single-parent households	American Community Survey	2009-2013
	Social associations	County Business Patterns	2012
Community Safety	Violent crime	Uniform Crime Reporting – FBI	2010-2012
	Injury deaths	CDC WONDER mortality data	2008-2012
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	2007-2011
	Driving alone to work	American Community Survey	2009-2013
	Long commute – driving alone	American Community Survey	2009-2013

¹ Not available for AK and HI.

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