

County Health Rankings & Roadmaps

Building a Culture of Health, County by County

A Robert Wood Johnson Foundation program

2017 County Health Rankings

Kentucky



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



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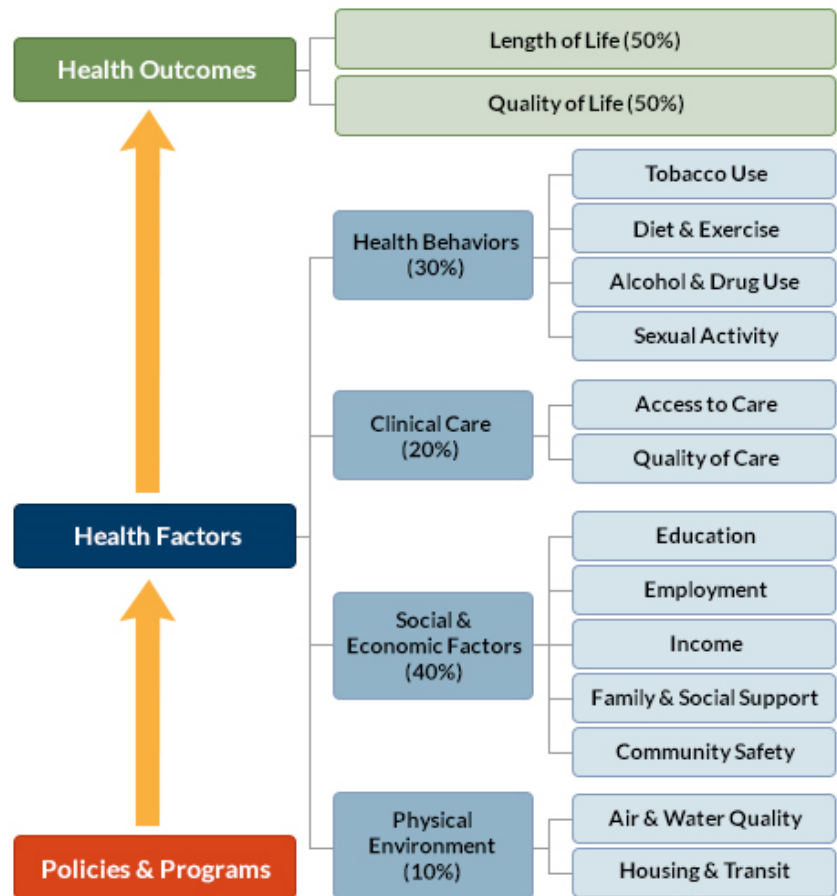


INTRODUCTION

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.

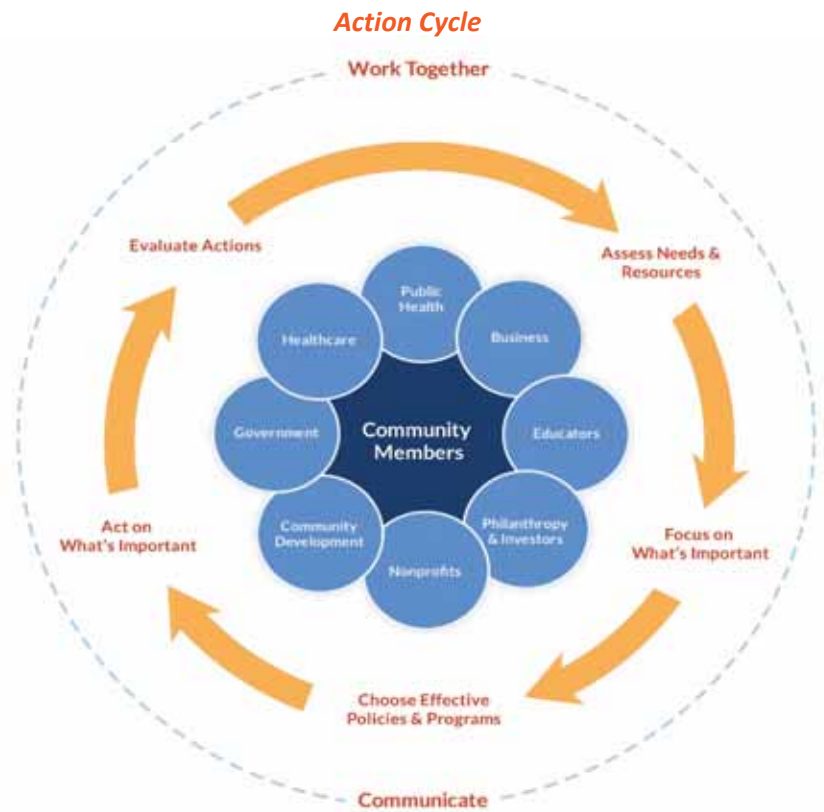
To further explore health gaps and other data sources in your community, check out the feature to [find more data](#) for your state and [dig deeper](#) on differences in health factors by geography or by population sub-groups. Visit countyhealthrankings.org/using-the-rankings-data.

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



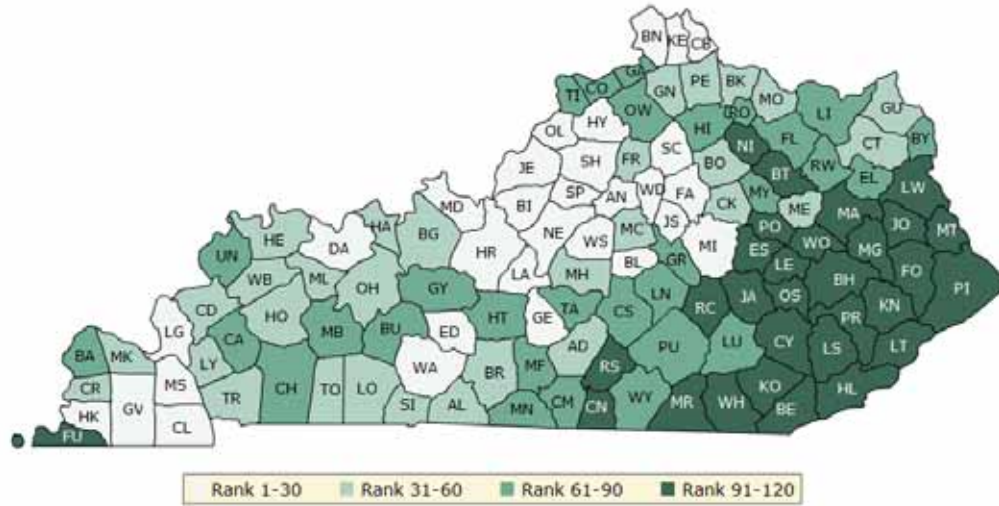
HOW CAN YOU GET INVOLVED?

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 Kentucky'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.

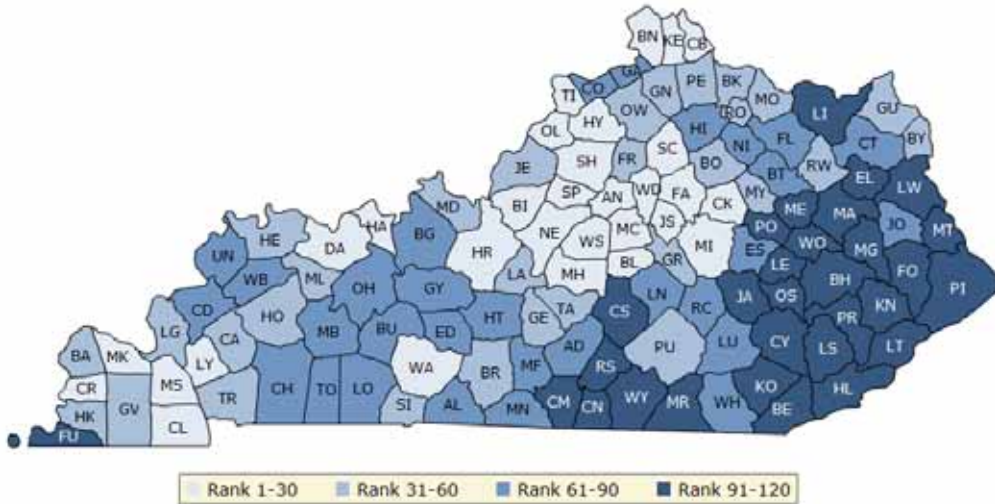


County	Rank	County	Rank	County	Rank	County	Rank
Adair	44	Edmonson	30	Knox	102	Nicholas	97
Allen	59	Elliott	89	Larue	22	Ohio	60
Anderson	12	Estill	95	Laurel	75	Oldham	1
Ballard	67	Fayette	7	Lawrence	105	Owen	74
Barren	33	Fleming	90	Lee	109	Owsley	118
Bath	92	Floyd	115	Leslie	113	Pendleton	37
Bell	111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

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

2017 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	8,900	5,300	16,900
Poor or fair health	% of adults reporting fair or poor health	16%	21%	13%	33%
Poor physical health days	Average # of physically unhealthy days reported in past 30 days	3.8	4.7	3.5	6.5
Poor mental health days	Average # of mentally unhealthy days reported in past 30 days	3.8	4.4	3.4	5.1
Low birthweight	% of live births with low birthweight (< 2500 grams)	8%	9%	6%	15%
HEALTH FACTORS					
HEALTH BEHAVIORS					
Adult smoking	% of adults who are current smokers	17%	26%	17%	33%
Adult obesity	% of adults that report a BMI \geq 30	31%	33%	27%	43%
Food environment index	Index of factors that contribute to a healthy food environment, (0-10)	7.3	7.1	3.4	8.8
Physical inactivity	% of adults aged 20 and over reporting no leisure-time physical activity	26%	28%	18%	40%
Access to exercise opportunities	% of population with adequate access to locations for physical activity	62%	70%	0%	100%
Excessive drinking	% of adults reporting binge or heavy drinking	17%	16%	10%	19%
Alcohol-impaired driving deaths	% of driving deaths with alcohol involvement	30%	28%	0%	100%
Sexually transmitted infections	# of newly diagnosed chlamydia cases per 100,000 population	294.8	401.9	79.1	1,423.9
Teen births	# of births per 1,000 female population ages 15-19	38	44	13	83
CLINICAL CARE					
Uninsured	% of population under age 65 without health insurance	14%	10%	6%	14%
Primary care physicians	Ratio of population to primary care physicians	2,030:1	1,500:1	14,180:1	810:1
Dentists	Ratio of population to dentists	2,570:1	1,620:1	2,140:0	730:1
Mental health providers	Ratio of population to mental health providers	1,105:1	560:1	14,240:1	80:1
Preventable hospital stays	# of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees	56	77	41	211
Diabetes monitoring	% of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring	86%	86%	70%	94%
Mammography screening	% of female Medicare enrollees ages 67-69 that receive mammography screening	61%	59%	36%	73%
SOCIAL AND ECONOMIC FACTORS					
High school graduation	% of ninth-grade cohort that graduates in four years	88%	89%	71%	100%
Some college	% of adults ages 25-44 with some post-secondary education	57%	59%	33%	75%
Unemployment	% of population aged 16 and older unemployed but seeking work	5.3%	5.4%	3.6%	14.7%
Children in poverty	% of children under age 18 in poverty	22%	25%	7%	62%
Income inequality	Ratio of household income at the 80th percentile to income at the 20th percentile	4.4	5.1	3.4	7.3
Children in single-parent households	% of children that live in a household headed by a single parent	32%	35%	14%	48%
Social associations	# of membership associations per 10,000 population	12.6	10.7	2.3	22.8
Violent crime	# of reported violent crime offenses per 100,000 population	198	215	0	562
Injury deaths	# of deaths due to injury per 100,000 population	77	85	43	168
PHYSICAL ENVIRONMENT					
Air pollution – particulate matter	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	9.2	10.0	9.1	11.6
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%	14%	5%	24%
Driving alone to work	% of workforce that drives alone to work	81%	82%	74%	89%
Long commute – driving alone	Among workers who commute in their car alone, % commuting > 30 minutes	30%	29%	14%	65%

2017 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	2012-2014
Quality of Life	Poor or fair health	Behavioral Risk Factor Surveillance System	2015
	Poor physical health days	Behavioral Risk Factor Surveillance System	2015
	Poor mental health days	Behavioral Risk Factor Surveillance System	2015
	Low birthweight	National Center for Health Statistics – Natality files	2008-2014
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking	Behavioral Risk Factor Surveillance System	2015
Diet and Exercise	Adult obesity	CDC Diabetes Interactive Atlas	2013
	Food environment index	USDA Food Environment Atlas, Map the Meal Gap	2010 & 2014
	Physical inactivity	CDC Diabetes Interactive Atlas	2013
	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	2015
	Alcohol-impaired driving deaths	Fatality Analysis Reporting System	2011-2015
Sexual Activity	Sexually transmitted infections	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	2014
	Teen births	National Center for Health Statistics - Natality files	2008-2014
CLINICAL CARE			
Access to Care	Uninsured	Small Area Health Insurance Estimates	2014
	Primary care physicians	Area Health Resource File/American Medical Association	2014
	Dentists	Area Health Resource File/National Provider Identification file	2015
	Mental health providers	CMS, National Provider Identification file	2016
Quality of Care	Preventable hospital stays	Dartmouth Atlas of Health Care	2014
	Diabetes monitoring	Dartmouth Atlas of Health Care	2014
	Mammography screening	Dartmouth Atlas of Health Care	2014
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation	EDFacts ¹	2014-2015
	Some college	American Community Survey	2011-2015
Employment	Unemployment	Bureau of Labor Statistics	2015
Income	Children in poverty	Small Area Income and Poverty Estimates	2015
	Income inequality	American Community Survey	2011-2015
Family and Social Support	Children in single-parent households	American Community Survey	2011-2015
	Social associations	County Business Patterns	2014
Community Safety	Violent crime	Uniform Crime Reporting – FBI	2012-2014
	Injury deaths	CDC WONDER mortality data	2011-2015
PHYSICAL ENVIRONMENT			
Air and Water Quality	Air pollution - particulate matter ²	CDC National Environmental Public Health Tracking Network	2012
	Drinking water violations	Safe Drinking Water Information System	FY2013-14
Housing and Transit	Severe housing problems	Comprehensive Housing Affordability Strategy (CHAS) data	2009-2013
	Driving alone to work	American Community Survey	2011-2015
	Long commute – driving alone	American Community Survey	2011-2015

¹ State sources used for California and Texas.

² Not available for AK and HI.

CREDITS

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