

County Health Rankings & Roadmaps

A Healthier Nation, County by County

2012 *Rankings* **Indiana**



Robert Wood Johnson Foundation



UNIVERSITY OF WISCONSIN

Population Health Institute

Translating Research into Policy and Practice

Introduction

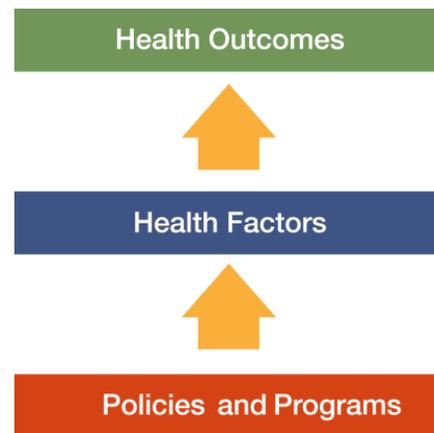
Where we live matters to our health. The health of a community depends on many different factors, including the environment, education and jobs, access to and quality of healthcare, and individual behaviors. We can improve a community's health by implementing effective policies and programs. For example, people who live in communities with smoke-free laws are less likely to smoke or to be exposed to second-hand smoke, which reduces lung cancer risk. In addition, people who live in communities with safe and accessible park and recreation space are more likely to exercise, which reduces heart disease risk.

However, health varies greatly across communities, with some places being much healthier than others. And, until now, there has been no standard method to illustrate what we know about what makes people sick or healthy or a central resource to identify what we can do to create healthier places to live, learn, work and play.

We know that much of what influences our health happens outside of the doctor's office – in our schools, workplaces and neighborhoods. The *County Health Rankings & Roadmaps* program provides information on the overall health of your community and provides the tools necessary to create community-based, evidence-informed solutions. Ranking the health of nearly every county across the nation, the *County Health Rankings* illustrate **what we know** when it comes to what is making communities sick or healthy. The *County Health Roadmaps* show **what we can do** to create healthier places to live, learn, work and play. The Robert Wood Johnson Foundation collaborates with the University of Wisconsin

Population Health Institute to bring this groundbreaking program to counties and states across the nation.

The *County Health Rankings & Roadmaps* program includes the *County Health Rankings* project, launched in 2010, and the newer *Roadmaps* project that mobilizes local communities, national partners and leaders across all sectors to improve health. The program is based on this model of population health improvement:



In this model, health outcomes are measures that describe the current health status of a county. These health outcomes are influenced by a set of health factors. Counties can improve health outcomes by addressing all health factors with effective, evidence-informed policies and programs.

Everyone has a stake in community health. We all need to work together to find solutions. The *County Health Rankings & Roadmaps* serve as both a call to action and a needed tool in this effort.

Guide to Our Web Site

To compile the *Rankings*, we selected measures that reflect important aspects of population health that can be improved and are available at the county level across the nation. Visit www.countyhealthrankings.org to learn more.

To get started and see data, enter your county or state name in the search box. Click on the name of a county or measure to see more details. You can: Compare Counties; Download data for your state; Print one or more county

snapshots; or Share information with others via Facebook, Twitter, or Google+. To understand our methods, click on Learn about the Data and Methods. To learn about steps that you can take to improve health in your community, click on the *Roadmaps* tab. The *Roadmaps to Health Action Center* provides tools and resources to help groups working together to create healthier places. The Opportunities section provides information on funding, recognition, and partnership opportunities. The Connections section helps you learn what others are doing.

County Health Roadmaps

The *Rankings* illustrate **what we know** when it comes to making people sick or healthy. The *County Health Rankings* confirm the critical role that factors such as education, jobs, income and the environment play in how healthy people are and how long we live.

This report introduces the *County Health Roadmaps*, a new partnership that mobilizes local communities, national partners and leaders across all sectors to improve health. The *County Health Roadmaps* show **what we can do** to create healthier places to live, learn, work and play. The Robert Wood Johnson Foundation collaborates with the University of Wisconsin Population Health Institute to bring this groundbreaking project to cities, counties and states across the nation.

The *Roadmaps* project includes grants to local coalitions and partnerships among policymakers, business, education, public health, health care, and community organizations; grants to national organizations working to improve health; recognition of communities whose promising efforts have led to better health; and customized technical assistance on strategies to improve health.

Roadmaps to Health Community Grants

The *Roadmaps to Health Community Grants* provide funding for 2 years to state and local efforts among policymakers, business, education, healthcare, public health and community organizations working to create positive policy or systems changes that address the social and economic factors that influence the health of people in their community.

Roadmaps to Health Partner Grants

The Robert Wood Johnson Foundation is awarding *Roadmaps to Health Partner Grants* to national organizations that are experienced at engaging local partners and leaders and are able to deliver high-quality training and technical assistance, and committed to making communities healthier places to live, learn, work and play. Partner grantees increase awareness about the *County Health Rankings & Roadmaps* to their members, affiliates and allies. The first Partner Grant was awarded to United Way Worldwide (UWW) in July 2011.

Roadmaps to Health Prize

The Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute will award *Roadmaps to Health Prizes* of \$25,000 to up to six communities that are working to become healthier places to live, learn, work and play. The *Roadmaps to Health Prize* is intended not only to honor successful efforts, but also to inspire and stimulate similar activities in other U.S. communities.



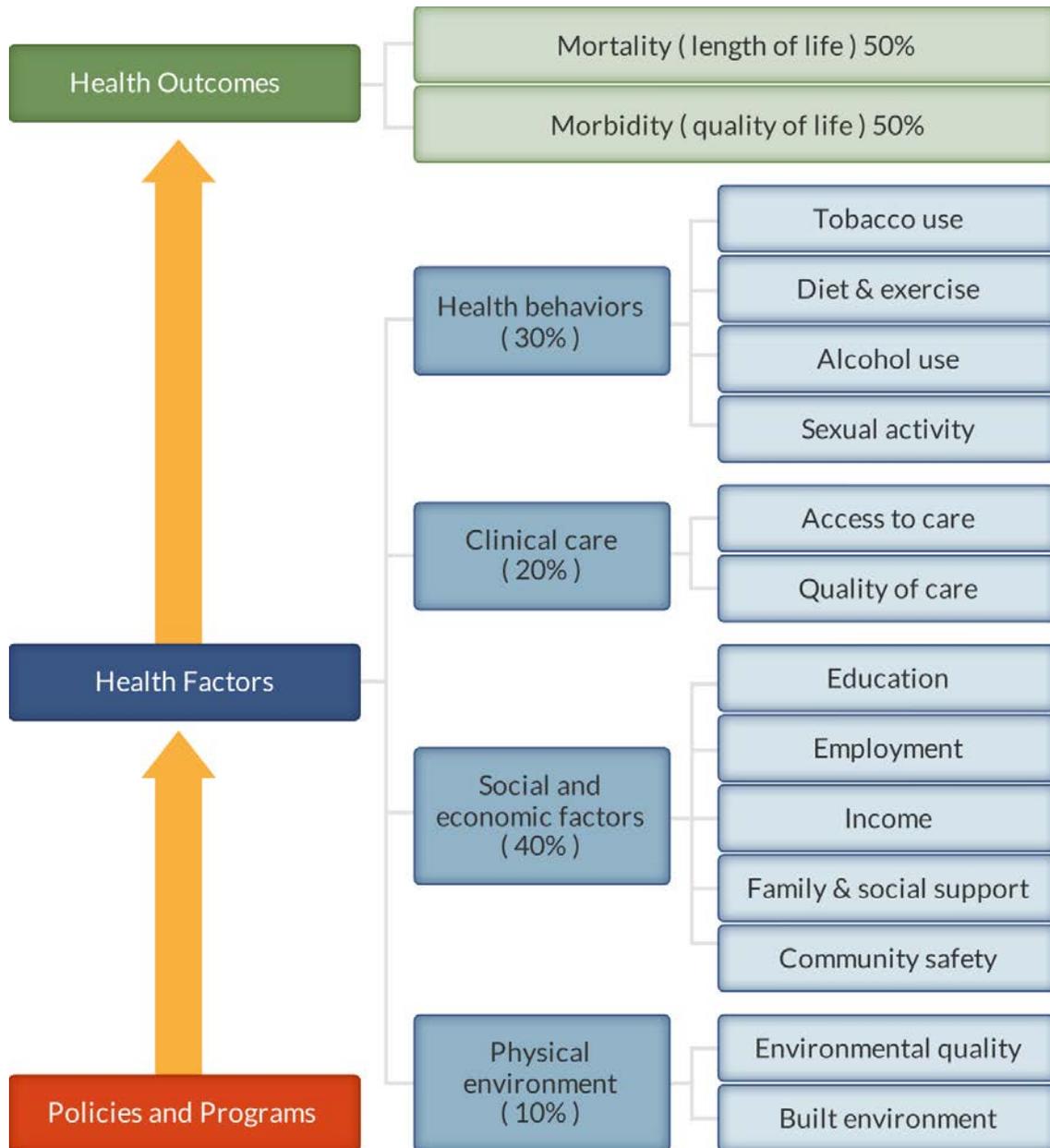
Roadmaps to Health Action Center

The *Roadmaps to Health Action Center*, based at the University of Wisconsin Population Health Institute, provides tools and resources to help groups working to make their communities healthier places. The new Action Center will provide guidance on developing strategies and advocacy efforts to advance pro-health policies, offer opportunities for ongoing learning, and in the summer of 2012, host a searchable database of evidence-informed policies and programs focused on health improvement. Experts provide customized consultation to local communities who have demonstrated the willingness and capacity to address factors that we know influence how healthy a person is, such as education, income and family connectedness.

County Health Rankings

The 2012 *County Health Rankings* report ranks Indiana counties according to their summary measures of **health outcomes** and **health factors**. Counties also receive a rank for mortality, morbidity, health behaviors, clinical care, social and economic factors, and the physical environment. The figure below depicts the structure of the *Rankings* model; those having high ranks (e.g., 1 or 2) are estimated to be the “healthiest.”

Our summary **health outcomes** rankings are based on an equal weighting of mortality and morbidity measures. The summary **health factors** rankings are based on weighted scores of four types of factors: behavioral, clinical, social and economic, and environmental. The weights for the factors (shown in parentheses in the figure) are based upon a review of the literature and expert input, but represent just one way of combining these factors.



County Health Rankings model ©2012 UWPHI

The maps on this page and the next display Indiana's counties divided into groups by health rank. Maps help locate the healthiest and least healthy counties in the state. The lighter colors indicate better

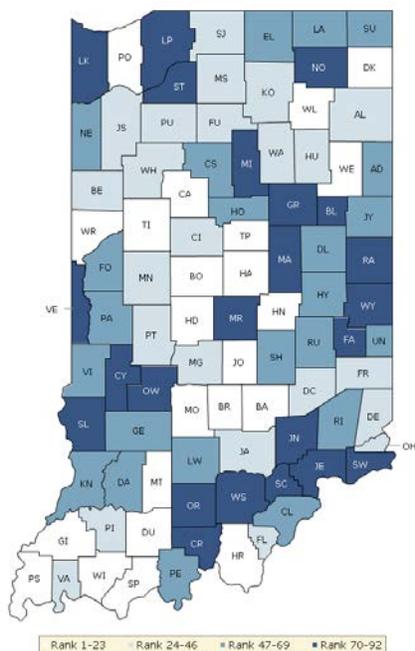
performance in the respective summary rankings. The green map shows the distribution of summary health outcomes. The blue displays the distribution of the summary rank for health factors.

HEALTH OUTCOMES



County	Rank	County	Rank	County	Rank	County	Rank
Adams	10	Franklin	45	Lawrence	72	Rush	61
Allen	35	Fulton	55	Madison	75	Scott	92
Bartholomew	34	Gibson	12	Marion	82	Shelby	77
Benton	29	Grant	79	Marshall	21	Spencer	31
Blackford	78	Greene	81	Martin	68	St. Joseph	43
Boone	2	Hamilton	1	Miami	51	Starke	90
Brown	6	Hancock	28	Monroe	17	Steuben	36
Carroll	40	Harrison	22	Montgomery	52	Sullivan	89
Cass	47	Hendricks	5	Morgan	42	Switzerland	87
Clark	53	Henry	73	Newton	60	Tippecanoe	20
Clay	56	Howard	63	Noble	30	Tipton	33
Clinton	44	Huntington	24	Ohio	23	Union	27
Crawford	83	Jackson	70	Orange	66	Vanderburgh	76
Daviess	46	Jasper	41	Owen	32	Vermillion	62
Dearborn	26	Jay	58	Parke	67	Vigo	59
Decatur	39	Jefferson	50	Perry	71	Wabash	57
DeKalb	9	Jennings	86	Pike	91	Warren	16
Delaware	85	Johnson	13	Porter	18	Warrick	11
Dubois	4	Knox	80	Posey	14	Washington	64
Elkhart	19	Kosciusko	25	Pulaski	74	Wayne	69
Fayette	88	LaGrange	3	Putnam	7	Wells	8
Floyd	54	Lake	84	Randolph	48	White	37
Fountain	49	LaPorte	65	Ripley	38	Whitley	15

HEALTH FACTORS



County	Rank	County	Rank	County	Rank	County	Rank
Adams	49	Franklin	28	Lawrence	53	Rush	50
Allen	29	Fulton	44	Madison	91	Scott	90
Bartholomew	21	Gibson	16	Marion	85	Shelby	57
Benton	35	Grant	73	Marshall	26	Spencer	8
Blackford	83	Greene	48	Martin	19	St. Joseph	36
Boone	2	Hamilton	1	Miami	80	Starke	92
Brown	20	Hancock	4	Monroe	5	Steuben	52
Carroll	23	Harrison	18	Montgomery	37	Sullivan	79
Cass	68	Hendricks	3	Morgan	31	Switzerland	78
Clark	60	Henry	56	Newton	64	Tippecanoe	10
Clay	74	Howard	54	Noble	76	Tipton	13
Clinton	32	Huntington	42	Ohio	24	Union	51
Crawford	89	Jackson	46	Orange	75	Vanderburgh	27
Daviess	58	Jasper	41	Owen	84	Vermillion	72
Dearborn	25	Jay	65	Parke	59	Vigo	61
Decatur	43	Jefferson	77	Perry	63	Wabash	40
DeKalb	22	Jennings	87	Pike	30	Warren	15
Delaware	47	Johnson	12	Porter	14	Warrick	7
Dubois	6	Knox	69	Posey	9	Washington	86
Elkhart	67	Kosciusko	34	Pulaski	39	Wayne	81
Fayette	88	LaGrange	62	Putnam	38	Wells	11
Floyd	33	Lake	82	Randolph	71	White	45
Fountain	66	LaPorte	70	Ripley	55	Whitley	17

Summary Health Outcomes & Health Factors Rankings

Counties receive two summary ranks:

- Health Outcomes
- Health Factors

Each of these ranks represents a weighted summary of a number of measures.

Health outcomes represent how healthy a county is while health factors represent what influences the health of the county.

Rank	Health Outcomes	Rank	Health Factors
1	Hamilton	1	Hamilton
2	Boone	2	Boone
3	LaGrange	3	Hendricks
4	Dubois	4	Hancock
5	Hendricks	5	Monroe
6	Brown	6	Dubois
7	Putnam	7	Warrick
8	Wells	8	Spencer
9	DeKalb	9	Posey
10	Adams	10	Tippecanoe
11	Warrick	11	Wells
12	Gibson	12	Johnson
13	Johnson	13	Tipton
14	Posey	14	Porter
15	Whitley	15	Warren
16	Warren	16	Gibson
17	Monroe	17	Whitley
18	Porter	18	Harrison
19	Elkhart	19	Martin
20	Tippecanoe	20	Brown
21	Marshall	21	Bartholomew
22	Harrison	22	DeKalb
23	Ohio	23	Carroll
24	Huntington	24	Ohio
25	Kosciusko	25	Dearborn
26	Dearborn	26	Marshall
27	Union	27	Vanderburgh
28	Hancock	28	Franklin
29	Benton	29	Allen
30	Noble	30	Pike
31	Spencer	31	Morgan
32	Owen	32	Clinton
33	Tipton	33	Floyd
34	Bartholomew	34	Kosciusko
35	Allen	35	Benton
36	Steuben	36	St. Joseph
37	White	37	Montgomery
38	Ripley	38	Putnam
39	Decatur	39	Pulaski
40	Carroll	40	Wabash
41	Jasper	41	Jasper
42	Morgan	42	Huntington

Rank	Health Outcomes	Rank	Health Factors
43	St. Joseph	43	Decatur
44	Clinton	44	Fulton
45	Franklin	45	White
46	Daviess	46	Jackson
47	Cass	47	Delaware
48	Randolph	48	Greene
49	Fountain	49	Adams
50	Jefferson	50	Rush
51	Miami	51	Union
52	Montgomery	52	Steuben
53	Clark	53	Lawrence
54	Floyd	54	Howard
55	Fulton	55	Ripley
56	Clay	56	Henry
57	Wabash	57	Shelby
58	Jay	58	Daviess
59	Vigo	59	Parke
60	Newton	60	Clark
61	Rush	61	Vigo
62	Vermillion	62	LaGrange
63	Howard	63	Perry
64	Washington	64	Newton
65	LaPorte	65	Jay
66	Orange	66	Fountain
67	Parke	67	Elkhart
68	Martin	68	Cass
69	Wayne	69	Knox
70	Jackson	70	LaPorte
71	Perry	71	Randolph
72	Lawrence	72	Vermillion
73	Henry	73	Grant
74	Pulaski	74	Clay
75	Madison	75	Orange
76	Vanderburgh	76	Noble
77	Shelby	77	Jefferson
78	Blackford	78	Switzerland
79	Grant	79	Sullivan
80	Knox	80	Miami
81	Greene	81	Wayne
82	Marion	82	Lake
83	Crawford	83	Blackford
84	Lake	84	Owen
85	Delaware	85	Marion
86	Jennings	86	Washington
87	Switzerland	87	Jennings
88	Fayette	88	Fayette
89	Sullivan	89	Crawford
90	Starke	90	Scott
91	Pike	91	Madison
92	Scott	92	Starke

2012 County Health Rankings: Measures, Data Sources, and Years of Data

	Measure	Data Source	Years of Data
HEALTH OUTCOMES			
Mortality	Premature death	National Center for Health Statistics	2006-2008
Morbidity	Poor or fair health	Behavioral Risk Factor Surveillance System	2004-2010
	Poor physical health days	Behavioral Risk Factor Surveillance System	2004-2010
	Poor mental health days	Behavioral Risk Factor Surveillance System	2004-2010
	Low birthweight	National Center for Health Statistics	2002-2008
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking	Behavioral Risk Factor Surveillance System	2004-2010
Diet and Exercise	Adult obesity	National Center for Chronic Disease Prevention and Health Promotion	2009
	Physical inactivity	National Center for Chronic Disease Prevention and Health Promotion	2009
Alcohol Use	Excessive drinking	Behavioral Risk Factor Surveillance System	2004-2010
	Motor vehicle crash death rate	National Center for Health Statistics	2002-2008
Sexual Activity	Sexually transmitted infections	National Center for Hepatitis, HIV, STD and TB Prevention	2009
	Teen birth rate	National Center for Health Statistics	2002-2008
CLINICAL CARE			
Access to Care	Uninsured	Small Area Health Insurance Estimates	2009
	Primary care physicians	Health Resources & Services Administration	2009
Quality of Care	Preventable hospital stays	Medicare/Dartmouth Institute	2009
	Diabetic screening	Medicare/Dartmouth Institute	2009
	Mammography screening	Medicare/Dartmouth Institute	2009
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation	National Center for Education Statistics and state-specific sources ¹	2008-2010
	Some college	American Community Survey	2006-2010
Employment	Unemployment	Bureau of Labor Statistics	2010
Income	Children in poverty	Small Area Income and Poverty Estimates	2010
Family and Social Support	Inadequate social support	Behavioral Risk Factor Surveillance System	2006-2010
	Children in single-parent households	American Community Survey	2006-2010
Community Safety	Violent crime rate ²	Federal Bureau of Investigation	2007-2009
PHYSICAL ENVIRONMENT			
Environmental Quality³	Air pollution-particulate matter days	U.S. Environmental Protection Agency	2007
	Air pollution-ozone days	U.S. Environmental Protection Agency	2007
Built Environment	Access to recreational facilities	Census County Business Patterns	2009
	Limited access to healthy foods ⁴	U.S. Department of Agriculture	2006
	Fast food restaurants	Census County Business Patterns	2009

¹ NCES used for AK, AL, AR, CA, CT, FL, HI, ID, KY, MT, ND, NJ, OK, SD and TN

² State data source for IL.

³ Not available for AK and HI.

⁴ Access to Healthy Foods (2009) from Census Zip Code Business Patterns for AK and HI.

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