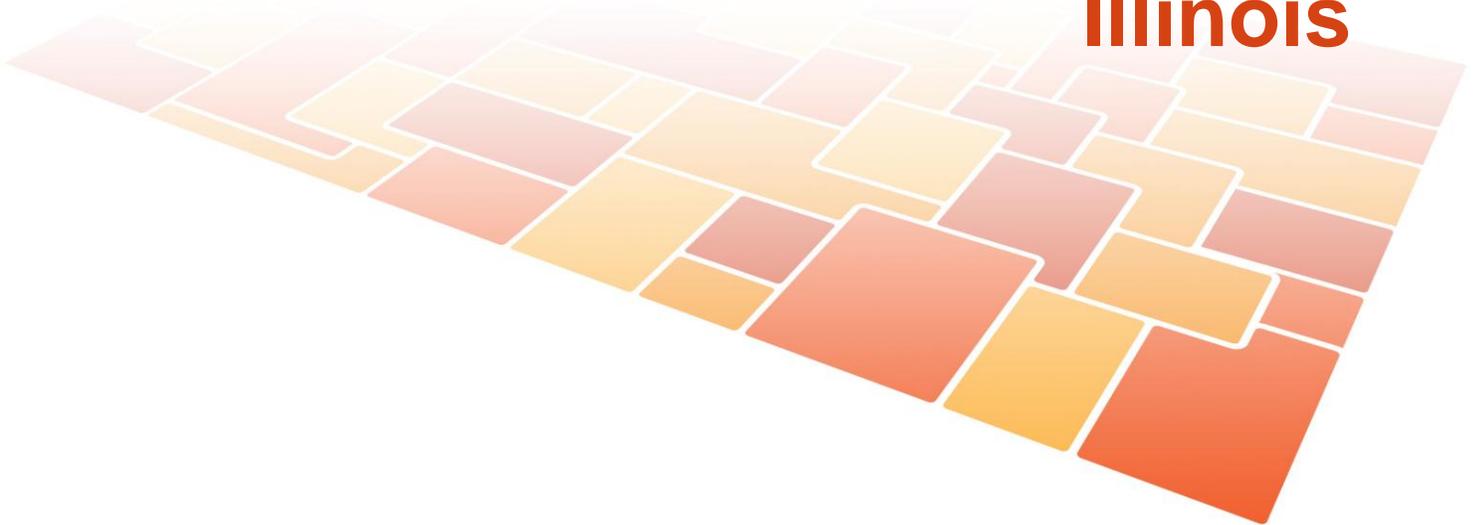# County Health Rankings

Mobilizing Action Toward Community Health

2011

Illinois

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 quality of health care, individual behavior, education and jobs, and the environment. We can improve a community's health through programs and policies. For example, people who live in communities with ample park and recreation space are more likely to exercise, which reduces heart disease risk. 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.

The problem is that there are big differences in health across communities, with some places being much healthier than others. And up to now, it has been hard to get a standard way to measure how healthy a county is and see where they can improve.

The Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute are pleased to present the 2011 *County Health Rankings*, a collection of 50 reports that reflect the overall health of counties in every state across the country. For the second year in a row, counties can get a snapshot of how healthy their residents are by comparing their overall health and the factors that influence their health with other counties in their state. This allows communities to see county-to-county where they are doing well and where they need to improve.

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

All of the *County Health Rankings* are based upon this model of population health improvement:
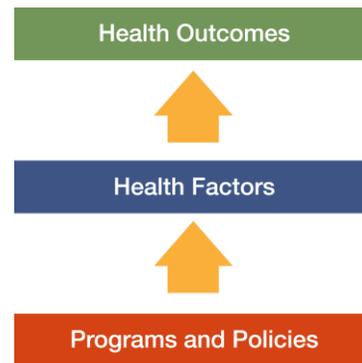
In this model, health outcomes are measures that describe the current health status of a county. These health outcomes are influenced by a set of health factors. These health factors and their outcomes may also be affected by community-based programs and policies designed to alter their distribution in the community. Counties can improve health outcomes by addressing all health factors with effective, evidence-based programs and policies.

To compile the *Rankings*, we built on our prior work in Wisconsin, obtained input from a team of expert advisors, and worked closely with staff from the National Center for Health Statistics. Together we selected a number of population health measures based on scientific relevance, importance, and availability of data at the county level.
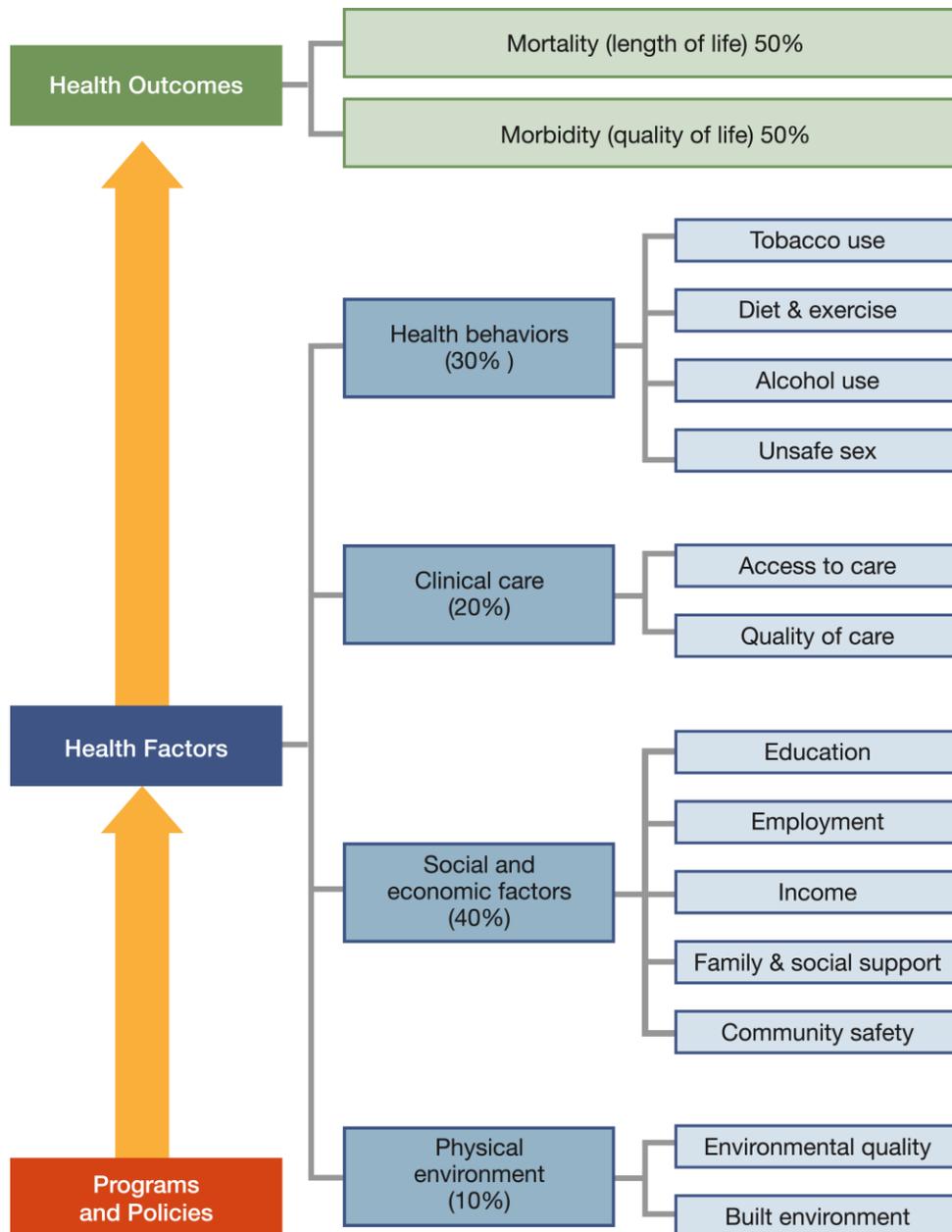
For a more detailed explanation of our approach, the methods used to compile the *Rankings,* information on the action steps communities can take to improve their health, and examples of communities in action, see www.countyhealthrankings.org

The Rankings

This report ranks Illinois counties according to their summary measures of **health outcomes** and **health factors**, as well as the components used to create each summary measure. The figure below depicts the structure of the *Rankings* model. Counties receive a rank for each population health component; 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.

| Health Outcomes | Mortality (length of life) 50% |
| | Morbidity (quality of life) 50% |

Health Factors

Health behaviors (30%)
- Tobacco use
- Diet & exercise
- Alcohol use
- Unsafe sex

Clinical care (20%)
- Access to care
- Quality of care

Social and economic factors (40%)
- Education
- Employment
- Income
- Family & social support
- Community safety

Physical environment (10%)
- Environmental quality
- Built environment

Programs and Policies

County Health Rankings model ©2010 UWPHI

The maps on this page display Illinois's counties divided into groups by health rank. 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.

Maps help locate the healthiest and least healthy counties in the state. The health factors map appears similar to the health outcomes map, showing how health factors and health outcomes are closely related.

HEALTH OUTCOMES

Rank 1-26   Rank 27-51   Rank 52-76   Rank 77-102

HEALTH FACTORS

Rank 1-26   Rank 27-51   Rank 52-76   Rank 77-102
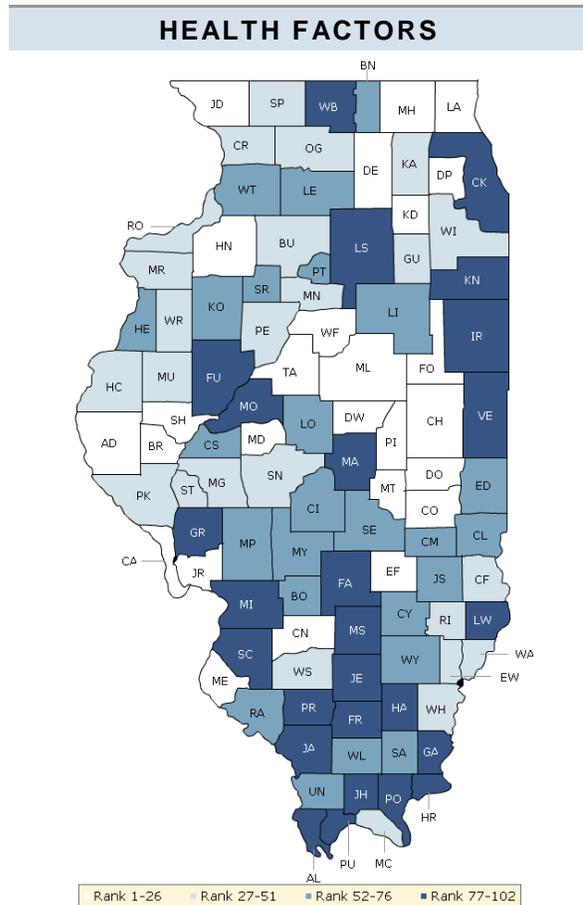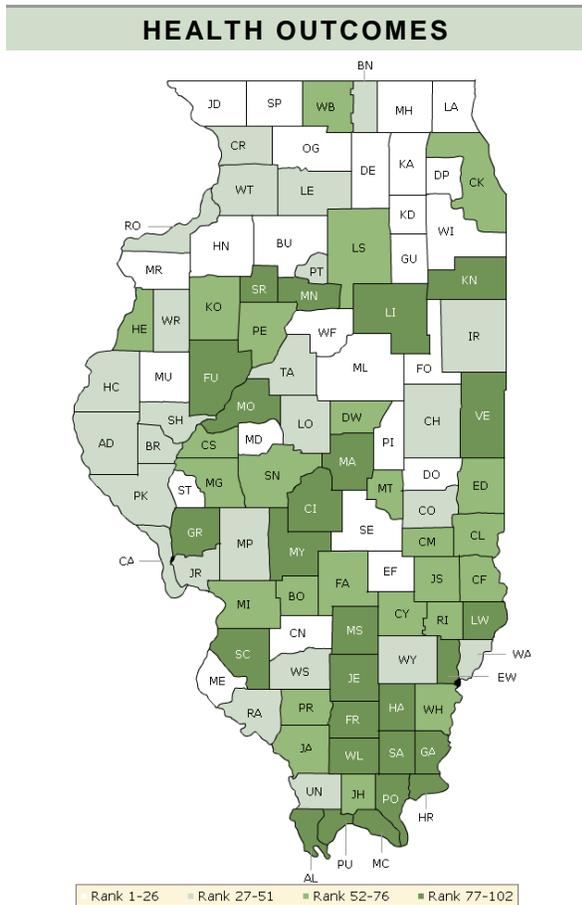
Summary Health Outcomes & Health Factors Rankings

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 are what influences the health of the county.

Rank	Health Outcomes	Rank	Health Factors
1	Kendall	1	DuPage
2	DuPage	2	Monroe
3	Woodford	3	Kendall
4	McHenry	4	Lake
5	Jo Daviess	5	Woodford
6	Monroe	6	McLean
7	McDonough	7	McHenry
8	Lake	8	Jo Daviess
9	Kane	9	Tazewell
10	Henry	10	Effingham
11	Ford	11	Adams
12	Mercer	12	Clinton
13	McLean	13	Champaign
14	Douglas	14	Piatt
15	Piatt	15	Ford
16	Clinton	16	Menard
17	Will	17	Calhoun
18	Grundy	18	Schuyler
19	Stephenson	19	DeKalb
20	Ogle	20	Coles
21	Menard	21	Brown
22	DeKalb	22	De Witt
23	Bureau	23	Henry
24	Shelby	24	Douglas
25	Scott	25	Moultrie
26	Effingham	26	Jersey
27	Carroll	27	Scott
28	Iroquois	28	McDonough
29	Schuyler	29	Wabash
30	Jersey	30	Richland
31	Calhoun	31	Marshall
32	Brown	32	Sangamon
33	Hancock	33	Washington
34	Champaign	34	Pike
35	Warren	35	Hancock
36	Wayne	36	Morgan
37	Lee	37	Will
38	Boone	38	Grundy
39	Washington	39	Mercer
40	Pike	40	Ogle
41	Putnam	41	Kane
42	Rock Island	42	Carroll
43	Tazewell	43	Peoria
44	Whiteside	44	White
45	Logan	45	Warren
46	Union	46	Stephenson
47	Wabash	47	Rock Island

Rank	Health Outcomes	Rank	Health Factors
48	Adams	48	Crawford
49	Randolph	49	Bureau
50	Macoupin	50	Massac
51	Coles	51	Edwards
52	Henderson	52	Saline
53	Clay	53	Christian
54	Jasper	54	Lee
55	Morgan	55	Bond
56	Bond	56	Stark
57	Johnson	57	Edgar
58	Knox	58	Williamson
59	Clark	59	Livingston
60	Cumberland	60	Union
61	Peoria	61	Logan
62	Sangamon	62	Randolph
63	Richland	63	Jasper
64	Fayette	64	Cumberland
65	LaSalle	65	Shelby
66	Crawford	66	Clark
67	Cass	67	Clay
68	Edgar	68	Wayne
69	Madison	69	Whiteside
70	Cook	70	Montgomery
71	Moultrie	71	Putnam
72	Winnebago	72	Boone
73	Perry	73	Macoupin
74	White	74	Knox
75	De Witt	75	Cass
76	Jackson	76	Henderson
77	Kankakee	77	Jackson
78	Stark	78	Iroquois
79	Livingston	79	Hamilton
80	Lawrence	80	Johnson
81	Macon	81	Fulton
82	Christian	82	Greene
83	Greene	83	Cook
84	Montgomery	84	Madison
85	Jefferson	85	Fayette
86	Pope	86	Perry
87	Williamson	87	Gallatin
88	Fulton	88	LaSalle
89	Mason	89	Mason
90	Marshall	90	Lawrence
91	Massac	91	Jefferson
92	Gallatin	92	Kankakee
93	Hamilton	93	Hardin
94	St. Clair	94	Marion
95	Marion	95	Winnebago
96	Edwards	96	Vermilion
97	Franklin	97	Franklin
98	Vermilion	98	Pope
99	Saline	99	Macon
100	Hardin	100	St. Clair
101	Pulaski	101	Pulaski
102	Alexander	102	Alexander

Health Outcomes Rankings

The summary health outcomes ranking is based on measures of mortality and morbidity. Each county's ranks for mortality and morbidity are displayed here. The mortality rank, representing length of life, is based on a measure of premature death: the years of potential life lost prior to age 75.

The morbidity rank is based on measures that represent health-related quality of life and birth outcomes. We combine four morbidity measures: self-reported fair or poor health, poor physical health days, poor mental health days, and the percent of births with low birthweight.

Rank	Mortality	Rank	Morbidity
1	DuPage	1	Jo Daviess
2	Lake	2	Mercer
3	McHenry	3	Ford
4	Kendall	4	Washington
5	Piatt	5	Woodford
6	Kane	6	Kendall
6	Monroe	7	Clinton
8	Woodford	8	Douglas
9	McLean	9	Iroquois
10	Will	10	McDonough
11	DeKalb	11	Effingham
12	McDonough	12	Henry
13	Menard	13	Grundy
14	Stephenson	14	Wayne
15	Putnam	15	Bureau
16	Henry	16	McHenry
17	Boone	17	Schuyler
18	Jo Daviess	18	DuPage
19	Scott	19	Union
20	Ogle	20	Jersey
21	Bond	21	Whiteside
22	Grundy	22	Monroe
23	Champaign	23	Carroll
24	Douglas	24	Warren
25	Shelby	25	Ogle
26	Lee	26	Shelby
27	Calhoun	27	Hancock
28	Carroll	28	Brown
29	Ford	29	McLean
30	Pike	30	Kane
31	Rock Island	31	Calhoun
32	Mercer	32	Coles
33	Brown	33	Cumberland
34	Clinton	34	Stephenson
35	Bureau	35	Tazewell
36	Hancock	36	Menard
37	Schuyler	37	Lake
38	Jersey	38	Champaign
39	Warren	39	Scott
40	Macoupin	40	Will
41	Wabash	41	Johnson
42	Logan	42	Henderson
43	Effingham	43	Pike
44	Tazewell	44	Lee
45	Jasper	45	Randolph
46	Adams	46	Richland
47	Clay	47	Piatt

Rank	Mortality	Rank	Morbidity
48	Iroquois	48	Edgar
49	Randolph	49	Rock Island
50	Wayne	50	DeKalb
51	Morgan	51	Logan
52	Sangamon	52	Lawrence
53	Cook	53	Edwards
54	Henderson	54	Peoria
55	Jefferson	55	Pope
56	Winnebago	56	Clark
57	Knox	57	Adams
58	Clark	58	Knox
59	Madison	59	Wabash
60	Crawford	60	Morgan
61	Fayette	61	Clay
62	Livingston	62	LaSalle
63	Coles	63	Macoupin
64	Macon	64	De Witt
65	Whiteside	65	Boone
66	Moultrie	66	Christian
67	Perry	67	Jasper
68	Cass	68	Stark
69	Johnson	69	Cass
70	Peoria	70	Montgomery
71	Union	71	Fayette
72	White	72	White
73	Kankakee	73	Jackson
74	LaSalle	74	Crawford
75	Jackson	75	Sangamon
76	Washington	76	Williamson
77	Cumberland	77	Kankakee
78	Richland	78	Moultrie
79	Fulton	79	Putnam
80	De Witt	80	Perry
81	Stark	81	Madison
82	Greene	82	Greene
83	Edgar	83	Mason
84	Montgomery	84	Franklin
85	Marshall	85	Cook
86	Christian	86	Winnebago
87	Gallatin	87	Livingston
88	Lawrence	88	Hardin
89	Massac	89	Macon
90	Williamson	90	Massac
91	Mason	91	Bond
92	Hamilton	92	Saline
93	Pope	93	St. Clair
94	Marion	94	Fulton
95	Vermilion	95	Hamilton
96	St. Clair	96	Pulaski
97	Franklin	97	Marshall
98	Saline	98	Gallatin
99	Edwards	99	Jefferson
100	Alexander	100	Alexander
101	Pulaski	101	Marion
102	Hardin	102	Vermilion

Health Factors Rankings

The summary health factors ranking is based on four factors: health behaviors, clinical care, social and economic, and physical environment factors. In turn, each of these factors is based on several measures. Health behaviors include measures of smoking, diet and exercise, alcohol use, and risky sex behavior. Clinical care includes measures of access to care and quality of care. Social and economic factors include measures of education, employment, income, family and social support, and community safety. The physical environment includes measures of environmental quality and the built environment.

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
1	DuPage	1	Sangamon	1	DuPage	1	Putnam
2	Lake	2	Peoria	2	Monroe	2	Ford
3	Monroe	3	DuPage	3	Woodford	3	Massac
4	Kendall	4	McLean	4	Kendall	4	Perry
5	Coles	5	Stephenson	5	Piatt	5	DuPage
6	Jo Daviess	6	Macon	6	McLean	6	Monroe
7	Cook	7	Woodford	7	McHenry	7	Grundy
8	Boone	8	Ford	8	Clinton	8	Lake
9	Champaign	9	Union	9	Scott	9	Will
10	Schuyler	10	Logan	10	DeKalb	10	Brown
11	DeKalb	11	Winnebago	11	Washington	11	McHenry
12	Montgomery	12	Adams	12	Brown	12	Tazewell
13	Effingham	13	Alexander	13	Menard	13	Douglas
14	De Witt	14	Champaign	14	Tazewell	14	Union
15	Pike	15	Morgan	15	Effingham	15	Kankakee
16	McHenry	16	Lee	16	Lake	16	Clay
17	Bureau	17	Ogle	17	Calhoun	17	Williamson
18	Tazewell	18	Rock Island	18	Grundy	18	Menard
19	Jersey	19	Tazewell	19	Will	19	LaSalle
20	Carroll	20	Saline	20	Adams	20	Mason
21	McLean	21	Knox	21	Jo Daviess	21	Mercer
22	Saline	22	Lake	22	McDonough	22	Winnebago
23	Shelby	23	Livingston	23	Douglas	23	Franklin
24	Hancock	24	Madison	24	Schuyler	24	Woodford
25	Henry	25	St. Clair	25	Moultrie	25	Fayette
26	Moultrie	26	Christian	26	Jersey	26	Bond
27	Putnam	27	Richland	27	Marshall	26	Clinton
28	Woodford	28	Hancock	28	Morgan	28	Fulton
29	Warren	29	Kendall	29	Henry	29	McDonough
30	Stark	30	Whiteside	30	White	30	Washington
31	Adams	31	Monroe	31	Edwards	31	Peoria
32	Wabash	32	Boone	32	Wabash	32	Kendall
33	Calhoun	33	Randolph	33	Jasper	33	Rock Island
34	Gallatin	34	Brown	34	Ford	34	Richland
35	Scott	35	Vermilion	35	Stark	35	Randolph
36	Wayne	36	Carroll	36	Livingston	36	Macoupin
37	Massac	37	Williamson	37	Kane	37	Johnson
38	Hamilton	38	Warren	38	Champaign	38	Vermilion
39	Edgar	39	Edgar	39	Bond	39	Kane
40	Fayette	40	Jo Daviess	40	De Witt	40	Pulaski
41	Cumberland	41	De Witt	41	Shelby	41	De Witt
42	Piatt	42	Pike	42	Cass	42	Wabash
43	Richland	43	Moultrie	43	Ogle	43	Knox
44	Rock Island	44	Effingham	44	Henderson	44	Jefferson
45	Jasper	45	Clark	45	Crawford	45	Edgar
46	Clinton	46	Menard	46	Richland	46	Iroquois
47	Crawford	47	Montgomery	47	Mercer	47	Marshall

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
48	Clark	48	Pulaski	48	Cumberland	48	Champaign
49	Mercer	49	Schuyler	49	Logan	49	Marion
50	Kane	50	McHenry	50	Pike	50	Crawford
51	Marshall	51	Coles	51	Stephenson	51	Jo Daviess
52	Ford	52	Calhoun	52	Coles	52	White
53	Douglas	53	Henry	53	Whiteside	53	Livingston
54	Menard	54	Wabash	54	Hancock	54	Greene
55	Johnson	55	Kankakee	55	Sangamon	54	Saline
56	Lawrence	56	Mercer	56	Madison	56	Calhoun
57	Peoria	57	Massac	57	Iroquois	57	Morgan
58	Ogle	58	Fulton	58	Lee	58	Montgomery
59	McDonough	59	Marshall	59	Macoupin	59	Henry
60	Edwards	60	Jefferson	60	Bureau	60	Sangamon
61	Clay	61	Cook	61	Warren	61	Clark
62	Christian	62	Mason	62	Williamson	62	Coles
63	Randolph	63	Clay	63	Christian	63	Jackson
64	White	64	Macoupin	64	Jackson	64	St. Clair
65	Union	65	Crawford	65	Wayne	65	Bureau
66	Lee	66	Will	66	Putnam	66	Cass
67	Perry	67	Clinton	67	Carroll	67	Christian
68	Hardin	68	Douglas	68	Greene	68	McLean
69	Bond	69	Edwards	69	Clay	69	Carroll
70	Henderson	70	Kane	70	Hamilton	70	Logan
71	Cass	71	Jersey	71	Randolph	71	DeKalb
72	Knox	72	McDonough	72	Edgar	72	Hancock
73	Williamson	73	Piatt	73	Rock Island	73	Pope
74	Franklin	74	Bureau	74	Massac	74	Wayne
75	Washington	75	White	75	Clark	75	Scott
76	Stephenson	76	LaSalle	76	Johnson	76	Piatt
77	Brown	77	Jackson	77	Fulton	77	Whiteside
78	Fulton	78	Bond	78	Saline	78	Effingham
79	Jackson	79	Wayne	79	Union	79	Warren
80	Greene	80	Marion	80	Lawrence	80	Pike
81	Morgan	81	Perry	81	Fayette	81	Henderson
82	Grundy	82	Washington	82	Knox	82	Macon
83	Iroquois	83	Grundy	83	LaSalle	83	Jasper
84	Pope	84	Cumberland	84	Pope	84	Hamilton
85	Will	85	Franklin	85	Hardin	85	Shelby
86	Whiteside	86	Greene	86	Gallatin	86	Stark
87	Mason	87	Gallatin	87	Jefferson	87	Adams
88	Winnebago	88	Iroquois	88	Peoria	88	Jersey
89	Macoupin	89	Stark	89	Kankakee	89	Stephenson
90	Sangamon	90	Hardin	90	Marion	90	Alexander
91	Marion	91	DeKalb	91	Montgomery	90	Hardin
92	Vermilion	92	Johnson	92	Macon	92	Ogle
93	Logan	93	Scott	93	Mason	93	Cumberland
94	LaSalle	94	Jasper	94	Perry	94	Boone
95	Madison	95	Henderson	95	Boone	95	Edwards
96	Livingston	96	Hamilton	96	Cook	96	Moultrie
97	Jefferson	97	Lawrence	97	Franklin	97	Schuyler
98	Kankakee	98	Cass	98	Vermilion	98	Lee
99	Pulaski	99	Shelby	99	St. Clair	99	Gallatin
100	Alexander	100	Pope	100	Winnebago	100	Lawrence
101	St. Clair	101	Putnam	101	Pulaski	101	Cook
102	Macon	102	Fayette	102	Alexander	102	Madison

2011 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	2005-2007
Morbidity	Poor or fair health	Behavioral Risk Factor Surveillance System	2003-2009
	Poor physical health days	Behavioral Risk Factor Surveillance System	2003-2009
	Poor mental health days	Behavioral Risk Factor Surveillance System	2003-2009
	Low birthweight	National Center for Health Statistics	2001-2007
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco	Adult smoking	Behavioral Risk Factor Surveillance System	2003-2009
Diet and Exercise	Adult obesity	National Center for Chronic Disease Prevention and Health Promotion	2008
Alcohol Use	Excessive drinking	Behavioral Risk Factor Surveillance System	2003-2009
	Motor vehicle crash death rate	National Center for Health Statistics	2001-2007
High Risk Sexual Behavior	Sexually transmitted infections	National Center for Hepatitis, HIV, STD and TB Prevention	2008
	Teen birth rate	National Center for Health Statistics	2001-2007
CLINICAL CARE			
Access to Care	Uninsured adults	Small Area Health Insurance Estimates, U.S. Census	2007
	Primary care providers	Health Resources & Services Administration	2008
Quality of Care	Preventable hospital stays	Medicare/Dartmouth Institute	2006-2007
	Diabetic screening	Medicare/Dartmouth Institute	2006-2007
	Mammography screening	Medicare/Dartmouth Institute	2006-2007
SOCIOECONOMIC FACTORS			
Education	High school graduation	National Center for Education Statistics[1]	2006-2007
	Some college	American Community Survey	2005-2009
Employment	Unemployment	Bureau of Labor Statistics	2009
Income	Children in poverty	Small Area Income and Poverty Estimates, U.S. Census	2008
Family and Social Support	Inadequate social support	Behavioral Risk Factor Surveillance System	2005-2009
	Single-parent households	American Community Survey	2005-2009
Community Safety	Violent crime[2]	Uniform Crime Reporting, Federal Bureau of Investigation	2006-2008
PHYSICAL ENVIRONMENT			
Air Quality[3]	Air pollution-particulate matter days	U.S. Environmental Protection Agency / Centers for Disease Control and Prevention	2006
	Air pollution-ozone days	U.S. Environmental Protection Agency / Centers for Disease Control and Prevention	2006
Built Environment	Access to healthy foods	Census Zip Code Business Patterns	2008
	Access to recreational facilities	Census County Business Patterns	2008

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[1] State data sources for KY, NH, NC, PA, SC, and UT (2008-2009).

[2] Homicide rate (2001-2007) from National Center for Health Statistics for AK, AZ, AR, CO, CT, GA, ID, IN, IA, KS, KY, LA, MN, MS, MT, NE, NH, NM, NC, ND, OH, SD, UT, and WV. State data source for IL.

[3] Not available for AK and HI.

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County Health Rankings

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