



County Health Rankings & Roadmaps

A Healthier Nation, County by County

2013 *Rankings* **Kansas**



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. You can also take advantage of the Using the *Rankings* Data guide to help you explore the data and figure out more about what is driving your community's health. To learn about what you can do to improve health in your community, visit the *Roadmaps to Health* Action Center. Finally, you can learn what others are doing by reading Communities Stories and visiting the Project Showcase.

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.

The *County Health Roadmaps* 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 (RWJF) collaborates with the University of Wisconsin Population Health Institute (UWPHI) 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 guidance on strategies to improve health.

Roadmaps to Health Community Grants

The *Roadmaps to Health Community Grants* provide funding for 2 years to thirty 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

RWJF 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. As of February 2013, RWJF has awarded partner grants to United Way Worldwide, National Business Coalition on Health, and National Association of Counties.

RWJF Roadmaps to Health Prize

In February 2013, RWJF awarded the first *RWJF Roadmaps to Health Prizes* of \$25,000 to six communities that are working to become healthier places to live, learn, work and play. The *RWJF 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.



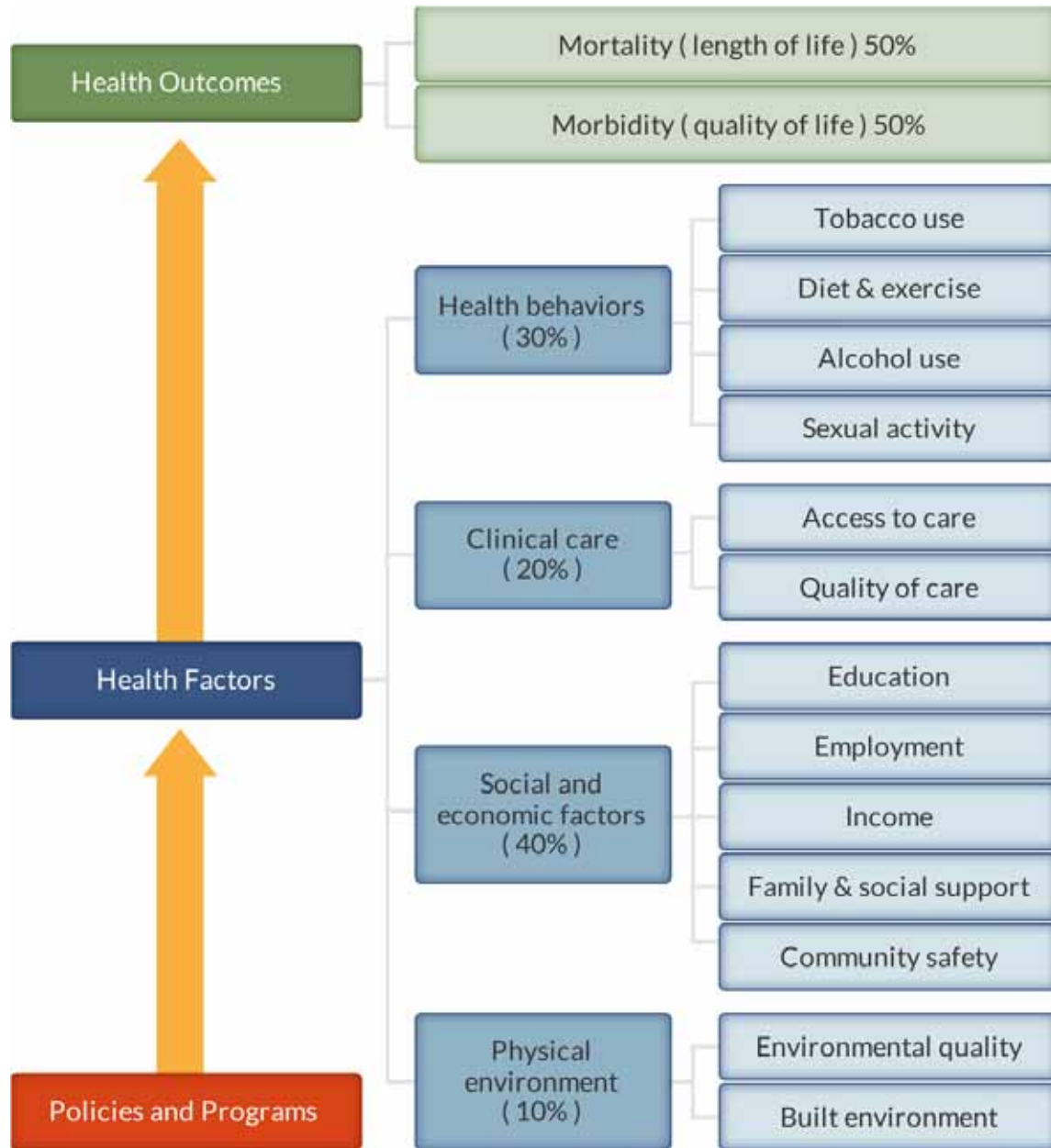
Roadmaps to Health Action Center

The *Roadmaps to Health Action Center*, based at UWPHI, provides tools and guidance to help groups working to make their communities healthier places. The Action Center website provides guidance on developing strategies and advocacy efforts to advance pro-health policies, opportunities for ongoing learning, and a searchable database of evidence-informed policies and programs focused on health improvement: *What Works for Health*. Action Center staff provide customized consultation via email and telephone to those seeking more information about how to improve health. Coaching, including possible on-site visits, is also available for 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 2013 *County Health Rankings* report ranks Kansas 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.

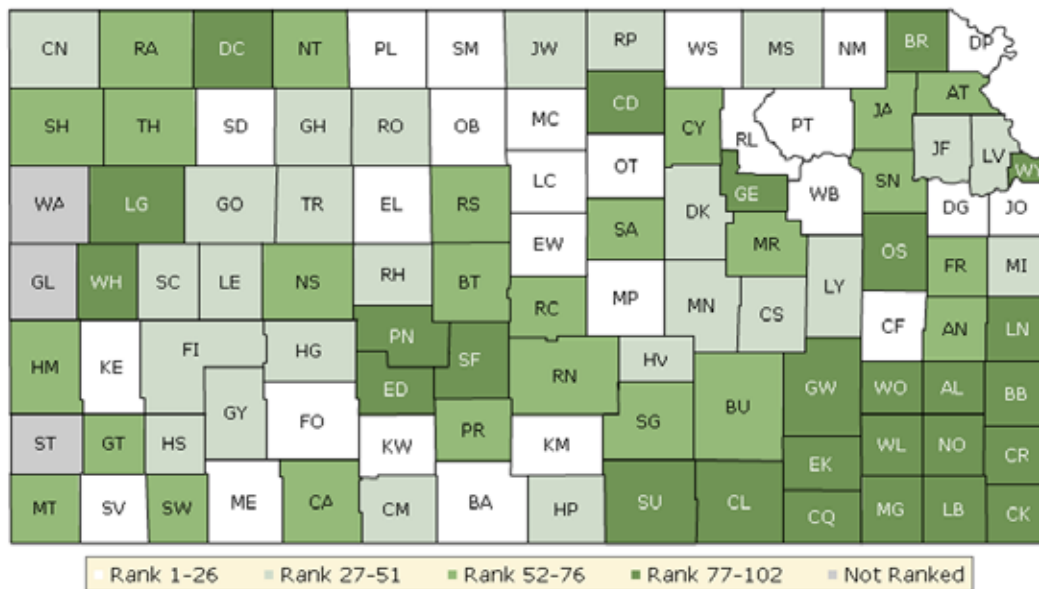


County Health Rankings model ©2012 UWPHI

The maps on this page and the next display Kansas'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

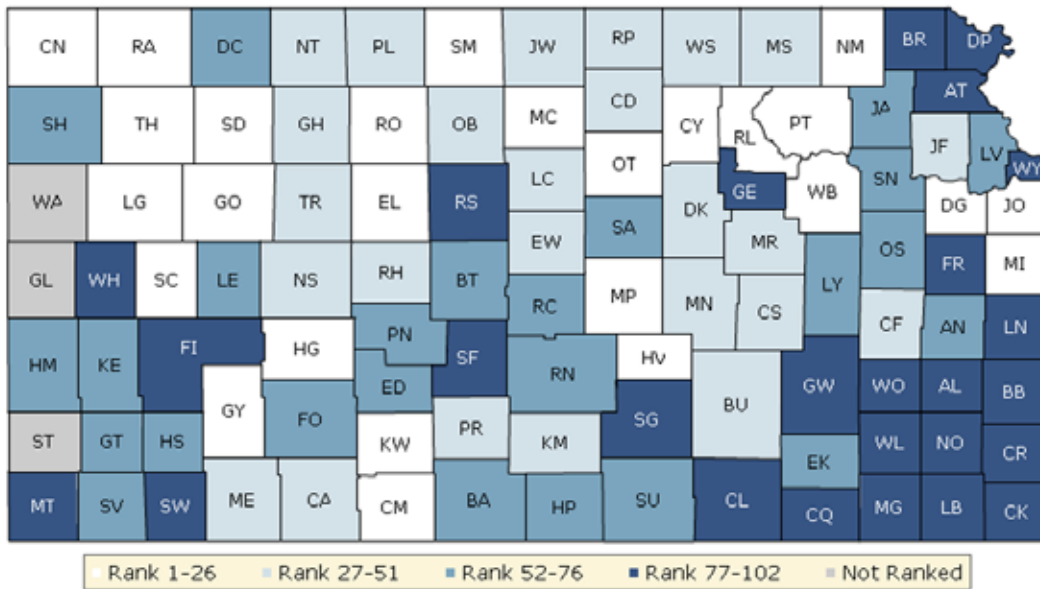
performance in the respective summary rankings. The green map shows the distribution of summary health outcomes. The blue displays the distribution of the summary rank for health factors.

HEALTH OUTCOMES



County	Rank	County	Rank	County	Rank	County	Rank
Allen	86	Finney	47	Logan	97	Rooks	37
Anderson	67	Ford	26	Lyon	36	Rush	49
Atchison	55	Franklin	57	Marion	28	Russell	73
Barber	11	Geary	90	Marshall	35	Saline	65
Barton	76	Gove	41	McPherson	12	Scott	48
Bourbon	89	Graham	50	Meade	6	Sedgwick	72
Brown	88	Grant	54	Miami	30	Seward	62
Butler	52	Gray	45	Mitchell	18	Shawnee	70
Chase	40	Greeley	NR	Montgomery	96	Sheridan	13
Chautauqua	100	Greenwood	91	Morris	58	Sherman	64
Cherokee	98	Hamilton	71	Morton	69	Smith	14
Cheyenne	33	Harper	31	Nemaha	15	Stafford	82
Clark	59	Harvey	32	Neosho	94	Stanton	NR
Clay	56	Haskell	34	Ness	60	Stevens	3
Cloud	87	Hodgeman	51	Norton	74	Sumner	78
Coffey	24	Jackson	66	Osage	79	Thomas	75
Comanche	38	Jefferson	42	Osborne	10	Trego	44
Cowley	80	Jewell	46	Ottawa	16	Wabaunsee	7
Crawford	81	Johnson	1	Pawnee	83	Wallace	NR
Decatur	95	Kearny	20	Phillips	25	Washington	8
Dickinson	29	Kingman	21	Pottawatomie	4	Wichita	77
Doniphan	22	Kiowa	19	Pratt	61	Wilson	85
Douglas	9	Labette	93	Rawlins	68	Woodson	102
Edwards	92	Lane	27	Reno	53	Wyandotte	99
Elk	101	Leavenworth	43	Republic	39		
Ellis	5	Lincoln	17	Rice	63		
Ellsworth	23	Linn	84	Riley	2		

HEALTH FACTORS



County	Rank	County	Rank	County	Rank	County	Rank
Allen	86	Finney	93	Logan	22	Rooks	26
Anderson	73	Ford	75	Lyon	58	Rush	45
Atchison	89	Franklin	78	Marion	31	Russell	81
Barber	53	Geary	91	Marshall	35	Saline	59
Barton	65	Gove	21	McPherson	3	Scott	13
Bourbon	87	Graham	29	Meade	41	Sedgwick	80
Brown	96	Grant	64	Miami	10	Seward	97
Butler	36	Gray	16	Mitchell	5	Shawnee	61
Chase	49	Greeley	NR	Montgomery	99	Sheridan	24
Chautauqua	98	Greenwood	82	Morris	44	Sherman	69
Cherokee	94	Hamilton	63	Morton	85	Smith	9
Cheyenne	23	Harper	76	Nemaha	2	Stafford	84
Clark	33	Harvey	17	Neosho	92	Stanton	NR
Clay	14	Haskell	60	Ness	27	Stevens	71
Cloud	42	Hodgeman	4	Norton	48	Sumner	67
Coffey	51	Jackson	62	Osage	74	Thomas	18
Comanche	12	Jefferson	47	Osborne	32	Trego	43
Cowley	79	Jewell	38	Ottawa	11	Wabaunsee	15
Crawford	88	Johnson	1	Pawnee	66	Wallace	NR
Decatur	68	Kearny	72	Phillips	40	Washington	30
Dickinson	50	Kingman	28	Pottawatomie	8	Wichita	77
Doniphan	83	Kiowa	20	Pratt	37	Wilson	101
Douglas	7	Labette	95	Rawlins	25	Woodson	90
Edwards	54	Lane	52	Reno	56	Wyandotte	102
Elk	70	Leavenworth	57	Republic	34		
Ellis	19	Lincoln	46	Rice	55		
Ellsworth	39	Linn	100	Riley	6		

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	Johnson	1	Johnson
2	Riley	2	Nemaha
3	Stevens	3	McPherson
4	Pottawatomie	4	Hodgeman
5	Ellis	5	Mitchell
6	Meade	6	Riley
7	Wabaunsee	7	Douglas
8	Washington	8	Pottawatomie
9	Douglas	9	Smith
10	Osborne	10	Miami
11	Barber	11	Ottawa
12	McPherson	12	Comanche
13	Sheridan	13	Scott
14	Smith	14	Clay
15	Nemaha	15	Wabaunsee
16	Ottawa	16	Gray
17	Lincoln	17	Harvey
18	Mitchell	18	Thomas
19	Kiowa	19	Ellis
20	Kearny	20	Kiowa
21	Kingman	21	Gove
22	Doniphan	22	Logan
23	Ellsworth	23	Cheyenne
24	Coffey	24	Sheridan
25	Phillips	25	Rawlins
26	Ford	26	Rooks
27	Lane	27	Ness
28	Marion	28	Kingman
29	Dickinson	29	Graham
30	Miami	30	Washington
31	Harper	31	Marion
32	Harvey	32	Osborne
33	Cheyenne	33	Clark
34	Haskell	34	Republic
35	Marshall	35	Marshall
36	Lyon	36	Butler
37	Rooks	37	Pratt
38	Comanche	38	Jewell
39	Republic	39	Ellsworth
40	Chase	40	Phillips
41	Gove	41	Meade
42	Jefferson	42	Cloud

Rank	Health Outcomes	Rank	Health Factors
43	Leavenworth	43	Trego
44	Trego	44	Morris
45	Gray	45	Rush
46	Jewell	46	Lincoln
47	Finney	47	Jefferson
48	Scott	48	Norton
49	Rush	49	Chase
50	Graham	50	Dickinson
51	Hodgeman	51	Coffey
52	Butler	52	Lane
53	Reno	53	Barber
54	Grant	54	Edwards
55	Atchison	55	Rice
56	Clay	56	Reno
57	Franklin	57	Leavenworth
58	Morris	58	Lyon
59	Clark	59	Saline
60	Ness	60	Haskell
61	Pratt	61	Shawnee
62	Seward	62	Jackson
63	Rice	63	Hamilton
64	Sherman	64	Grant
65	Saline	65	Barton
66	Jackson	66	Pawnee
67	Anderson	67	Sumner
68	Rawlins	68	Decatur
69	Morton	69	Sherman
70	Shawnee	70	Elk
71	Hamilton	71	Stevens
72	Sedgwick	72	Kearny
73	Russell	73	Anderson
74	Norton	74	Osage
75	Thomas	75	Ford
76	Barton	76	Harper
77	Wichita	77	Wichita
78	Sumner	78	Franklin
79	Osage	79	Cowley
80	Cowley	80	Sedgwick
81	Crawford	81	Russell
82	Stafford	82	Greenwood
83	Pawnee	83	Doniphan
84	Linn	84	Stafford
85	Wilson	85	Morton
86	Allen	86	Allen
87	Cloud	87	Bourbon
88	Brown	88	Crawford
89	Bourbon	89	Atchison
90	Geary	90	Woodson

Rank	Health Outcomes	Rank	Health Factors
91	Greenwood	91	Geary
92	Edwards	92	Neosho
93	Labette	93	Finney
94	Neosho	94	Cherokee
95	Decatur	95	Labette
96	Montgomery	96	Brown
97	Logan	97	Seward
98	Cherokee	98	Chautauqua
99	Wyandotte	99	Montgomery
100	Chautauqua	100	Linn
101	Elk	101	Wilson
102	Woodson	102	Wyandotte

Not Ranked: Greeley, Stanton, Wallace

2013 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	2008-2010
Morbidity	Poor or fair health	Behavioral Risk Factor Surveillance System	2005-2011
	Poor physical health days	Behavioral Risk Factor Surveillance System	2005-2011
	Poor mental health days	Behavioral Risk Factor Surveillance System	2005-2011
	Low birthweight	National Center for Health Statistics	2004-2010
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking	Behavioral Risk Factor Surveillance System	2005-2011
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	2005-2011
	Motor vehicle crash death rate	National Center for Health Statistics	2004-2010
Sexual Activity	Sexually transmitted infections	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB prevention	2010
	Teen birth rate	National Center for Health Statistics	2004-2010
CLINICAL CARE			
Access to Care	Uninsured	Small Area Health Insurance Estimates	2010
	Primary care physicians	HRSA Area Resource File	2011-2012
	Dentists	HRSA Area Resource File	2011-2012
Quality of Care	Preventable hospital stays	Medicare/Dartmouth Institute	2010
	Diabetic screening	Medicare/Dartmouth Institute	2010
	Mammography screening	Medicare/Dartmouth Institute	2010
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation	Primarily state-specific sources, supplemented with National Center for Education Statistics	State-specific
	Some college	American Community Survey	2007-2011
Employment	Unemployment	Bureau of Labor Statistics	2011
Income	Children in poverty	Small Area Income and Poverty Estimates	2011
Family and Social Support	Inadequate social support	Behavioral Risk Factor Surveillance System	2005-2010
	Children in single-parent households	American Community Survey	2007-2011
Community Safety	Violent crime rate	Federal Bureau of Investigation	2008-2010
PHYSICAL ENVIRONMENT			
Environmental Quality	Daily fine particulate matter ¹	CDC WONDER Environmental data	2008
	Drinking water safety	Safe Drinking Water Information System	FY 2012
Built Environment	Access to recreational facilities	Census County Business Patterns	2010
	Limited access to healthy foods	USDA Food Environment Atlas	2012
	Fast food restaurants	Census County Business Patterns	2010

¹ Not available for AK and HI.

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This publication would not have been possible without the following contributions:

Data

Centers for Disease Control and Prevention: National Center for Health Statistics and Division of Behavioral Surveillance
Dartmouth Institute for Health Policy & Clinical Practice

Research Assistance

Jennifer Buechner
Hyojun Park, MA
Elizabeth Pollock
Jennifer Robinson
Matthew Rodock, MPH
Anne Roubal, MS

Communications and Outreach

Burness Communications
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Karen Odegaard, MPH
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Angela Russell, MS
Julie Willems Van Dijk, PhD, RN

Design

Forum One, Alexandria, VA

Robert Wood Johnson Foundation

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Michelle Larkin, JD, MS, RN – Assistant Vice-President and Deputy Director, Health Group
James S. Marks, MD, MPH – Senior Vice-President and Group Director, Health Group
Joe Marx – Senior Communications Officer

Suggested citation: University of Wisconsin Population Health Institute. *County Health Rankings 2013*.



countyhealthrankings.org



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