County Health Rankings

Mobilizing Action Toward Community Health

2011
Virginia

Robert Wood Johnson Foundation

UNIVERSITY OF WISCONSIN

Population Health Institute

Translating Research into Policy and Practice
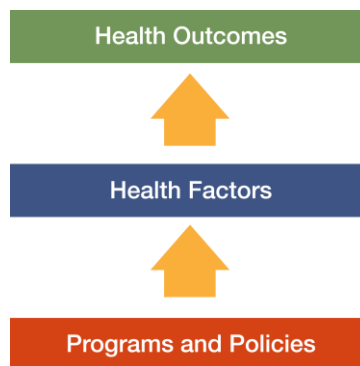
Introduction

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.
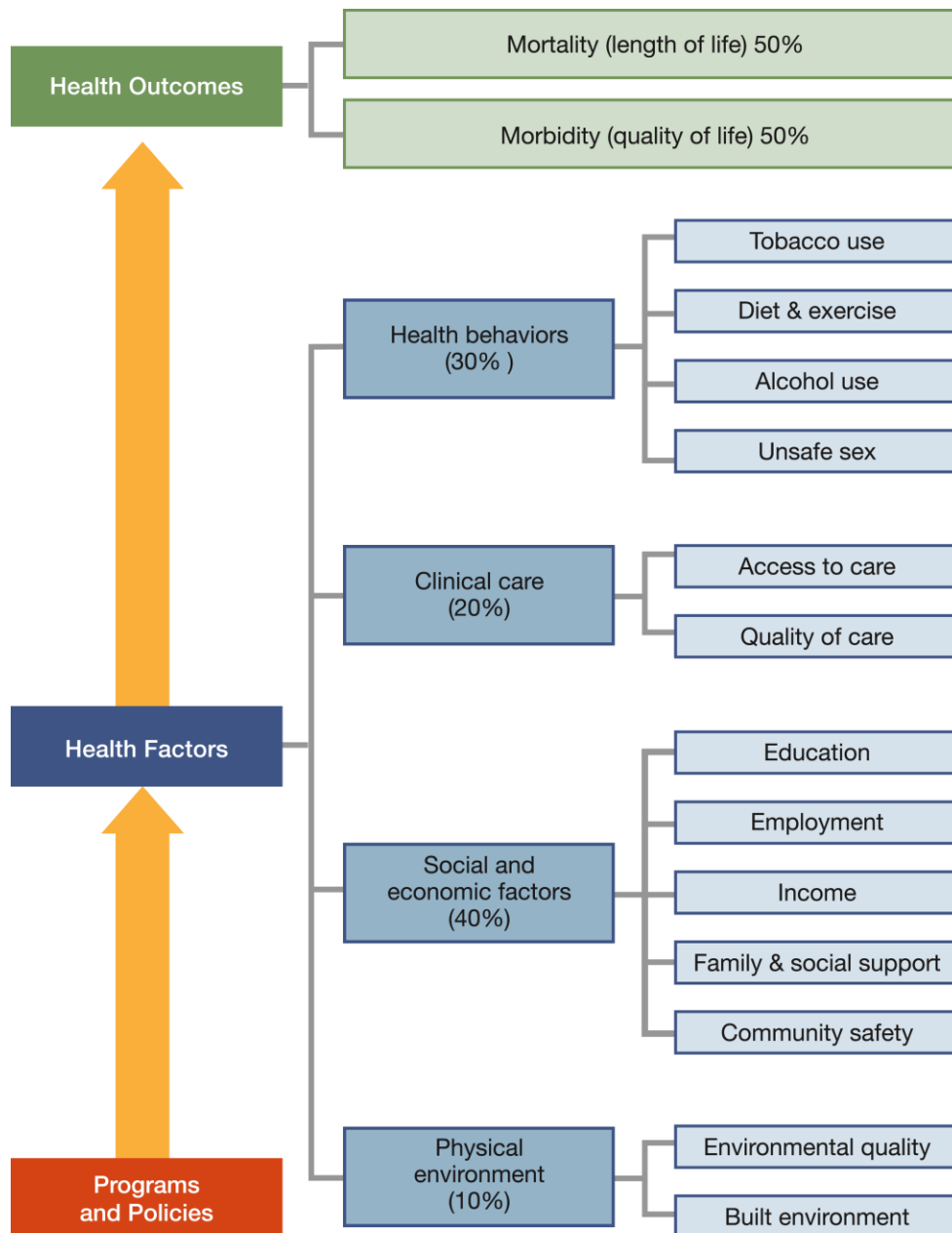
For a more detailed explanation of our approach, the methods used to compile the *Rankings,* information on the action steps communities can take to improve their health, and examples of communities in action, see www.countyhealthrankings.org

The Rankings

This report ranks Virginia 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.
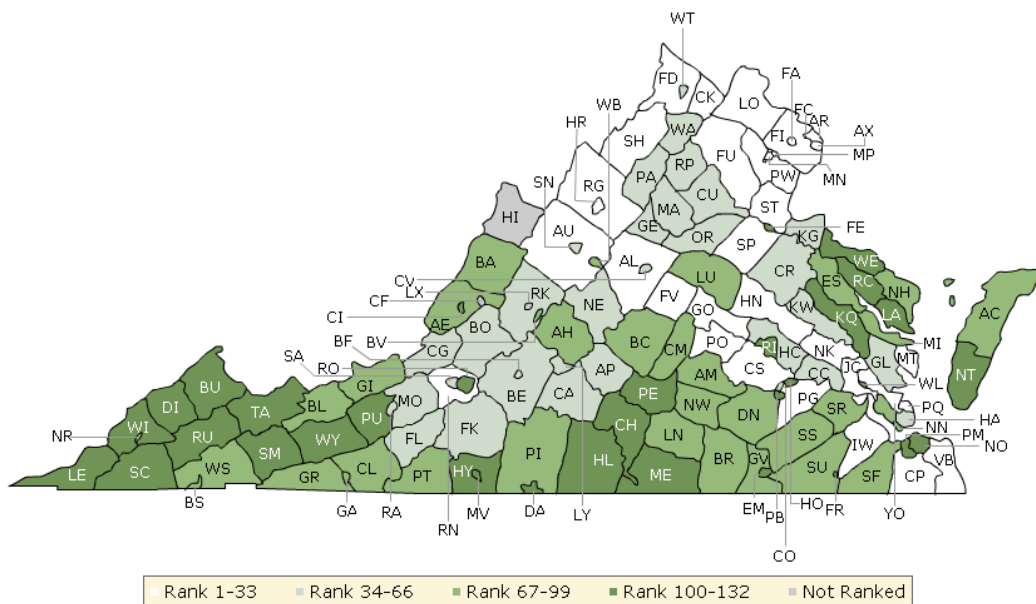
| Health Outcomes | Mortality (length of life) 50% |
| | Morbidity (quality of life) 50% |

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
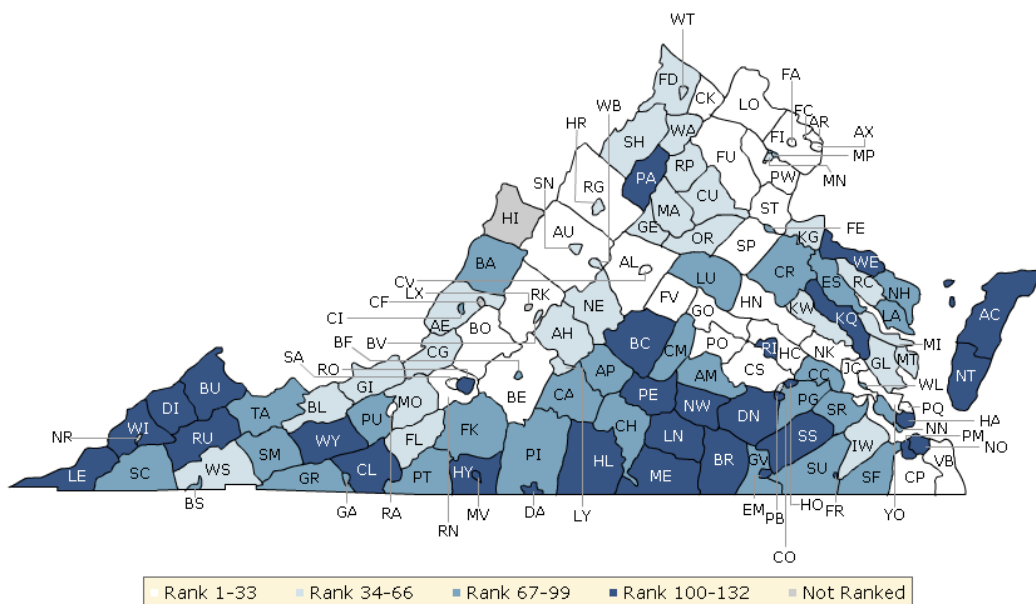
County Health Rankings model ©2010 UWPHI

The maps on this page display Virginia'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 1-33   Rank 34-66   Rank 67-99   Rank 100-132   Not Ranked

HEALTH FACTORS

Rank 1-33   Rank 34-66   Rank 67-99   Rank 100-132   Not Ranked

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	Fairfax	1	Loudoun
2	Arlington	2	James City
3	Loudoun	3	Fairfax City
4	York	4	Roanoke
5	Albemarle	5	York
6	Alexandria	6	Albemarle
7	James City	7	Poquoson
8	Fairfax City	8	Arlington
9	Manassas	9	Fairfax
10	Powhatan	10	Hanover
11	Prince William	11	Botetourt
12	Manassas Park	12	Falls Church
13	Hanover	13	Fluvanna
14	Prince George	14	Stafford
15	Stafford	15	Clarke
16	New Kent	16	Chesterfield
17	Shenandoah	17	Bedford
18	Frederick	18	Fauquier
19	Spotsylvania	19	Charlottesville
20	Fluvanna	20	Salem
21	Poquoson	21	Goochland
22	Fauquier	22	Alexandria
23	Rockingham	23	Virginia Beach
24	Chesterfield	24	Henrico
25	Harrisonburg	25	Chesapeake
26	Virginia Beach	26	Powhatan
27	Goochland	27	Augusta
28	Augusta	28	Radford
29	Mathews	29	Spotsylvania
30	Roanoke	30	Rockingham
31	Clarke	31	New Kent
32	Isle of Wight	32	Prince William
33	Chesapeake	33	Rockbridge
34	Montgomery	34	Montgomery
35	Henrico	35	King William
36	Nelson	36	Isle of Wight
37	Page	37	Mathews
38	Madison	38	Orange
39	Salem	39	King George
40	Warren	40	Washington

Rank	Health Outcomes	Rank	Health Factors
41	Greene	41	Craig
42	Botetourt	42	Staunton
43	King George	43	Greene
44	Charlottesville	44	Frederick
45	Colonial Heights	45	Colonial Heights
46	Campbell	46	Giles
47	Bedford	47	Gloucester
48	Floyd	48	Winchester
49	Orange	49	Nelson
50	Gloucester	50	Buena Vista
51	King William	51	Amherst
52	Rockbridge	52	Rappahannock
53	Hampton	53	Alleghany
54	Charles City	54	Madison
55	Staunton	55	Floyd
56	Appomattox	56	Norton
57	Culpeper	57	Culpeper
58	Franklin	58	Bland
59	Craig	59	Shenandoah
60	Rappahannock	60	Manassas
61	Caroline	61	Richmond
62	Winchester	62	Waynesboro
63	Radford	63	Middlesex
64	Falls Church	64	Harrisonburg
65	Bedford City	65	Warren
66	Lynchburg	66	Lynchburg
67	Bath	67	Campbell
68	Patrick	68	Franklin
69	Amherst	69	Manassas Park
70	Suffolk	70	Suffolk
71	Southampton	71	Bath
72	Buena Vista	72	Fredericksburg
73	Middlesex	73	Louisa
74	Pittsylvania	74	Williamsburg
75	Louisa	75	Grayson
76	Galax	76	Bedford City
77	Carroll	77	Lancaster
78	Newport News	78	Covington
79	Essex	79	Pulaski
80	Norton	80	Charlotte
81	Waynesboro	81	Prince George
82	Bristol	82	Tazewell
83	Washington	83	Greensville
84	Giles	84	Pittsylvania
85	Dinwiddie	85	Bristol
86	Bland	86	Patrick
87	Cumberland	87	Appomattox
88	Nottoway	88	Newport News

Rank	Health Outcomes	Rank	Health Factors
89	Buckingham	89	Cumberland
90	Grayson	90	Scott
91	Sussex	91	Amelia
92	Accomack	92	Northumberland
93	Amelia	93	Caroline
94	Greensville	94	Essex
95	Northumberland	95	Surry
96	Lunenburg	96	Smyth
97	Alleghany	97	Southampton
98	Surry	98	Galax
99	Brunswick	99	Charles City
100	Northampton	100	Wythe
101	Scott	101	King and Queen
102	King and Queen	102	Russell
103	Wythe	103	Westmoreland
104	Lancaster	104	Page
105	Mecklenburg	105	Nottoway
106	Williamsburg	106	Prince Edward
107	Charlotte	107	Hampton
108	Hopewell	108	Halifax
109	Westmoreland	109	Sussex
110	Norfolk	110	Northampton
111	Covington	111	Carroll
112	Henry	112	Wise
113	Fredericksburg	113	Buckingham
114	Smyth	114	Dinwiddie
115	Richmond	115	Danville
116	Portsmouth	116	Lunenburg
117	Roanoke City	117	Franklin City
118	Martinsville	118	Accomack
119	Prince Edward	119	Martinsville
120	Pulaski	120	Mecklenburg
121	Halifax	121	Henry
122	Danville	122	Roanoke City
123	Russell	123	Portsmouth
124	Tazewell	124	Dickenson
125	Lee	125	Norfolk
126	Wise	126	Brunswick
127	Dickenson	127	Richmond City
128	Richmond City	128	Emporia
129	Franklin City	129	Lee
130	Buchanan	130	Buchanan
131	Petersburg	131	Hopewell
132	Emporia	132	Petersburg

Not Ranked: Highland, Lexington

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	Fairfax	1	Fairfax City
2	Arlington	2	Arlington
3	Loudoun	3	Fairfax
4	York	4	Manassas
5	Albemarle	5	Albemarle
6	Alexandria	6	Harrisonburg
7	Prince William	7	Nelson
8	Powhatan	8	Mathews
9	James City	9	Loudoun
10	Prince George	10	York
11	Stafford	11	James City
12	Manassas Park	12	Alexandria
13	Hanover	13	Frederick
14	New Kent	14	Poquoson
15	Chesterfield	15	Goochland
16	Manassas	16	Fluvanna
17	Virginia Beach	17	Shenandoah
18	Roanoke	18	Spotsylvania
19	Rockingham	19	Powhatan
20	Shenandoah	20	Fauquier
21	Fairfax City	21	Greene
22	Spotsylvania	22	Hanover
23	Fauquier	23	Floyd
24	Fluvanna	24	Manassas Park
25	Charles City	25	Augusta
26	Frederick	26	New Kent
27	Poquoson	27	Bedford City
28	Henrico	28	King George
29	Page	29	Colonial Heights
30	Clarke	30	Prince William
31	Bedford	31	Prince George
32	Augusta	32	Stafford
33	Chesapeake	33	Rockingham
34	Isle of Wight	34	Caroline
35	Radford	35	Madison
36	Goochland	36	Montgomery
37	Campbell	37	Charlottesville
38	Orange	38	Isle of Wight
39	Craig	39	Botetourt
40	Montgomery	40	Chesterfield

Rank	Mortality	Rank	Morbidity
41	Salem	41	Bristol
42	Warren	42	Appomattox
43	Franklin	43	Salem
44	Madison	44	Chesapeake
45	Harrisonburg	45	Virginia Beach
46	Rockbridge	46	Warren
47	Botetourt	47	Middlesex
48	Gloucester	48	Clarke
49	Hampton	49	King William
50	Patrick	50	Covington
51	Charlottesville	51	Falls Church
52	King William	52	Galax
53	Mathews	53	Staunton
54	Culpeper	54	Gloucester
55	Staunton	55	Rappahannock
56	King George	56	Winchester
57	Greene	57	Hampton
58	Colonial Heights	58	Henrico
59	Bath	59	Williamsburg
60	Rappahannock	60	Campbell
61	Nottoway	61	Page
62	Winchester	62	Rockbridge
63	Louisa	63	Lynchburg
64	Floyd	64	Culpeper
65	Amherst	65	Orange
66	Suffolk	66	Bland
67	Lynchburg	67	Roanoke
68	Appomattox	68	Southampton
69	Cumberland	69	Essex
70	Nelson	70	Amherst
71	Falls Church	71	Bath
72	Newport News	71	Buena Vista
73	Carroll	73	Suffolk
74	Pittsylvania	74	Bedford
75	Buena Vista	75	Grayson
76	Greensville	76	Franklin
77	Southampton	77	Pittsylvania
78	Sussex	78	Giles
79	Caroline	79	Craig
80	Norton	80	Martinsville
81	Waynesboro	81	Patrick
82	Washington	82	Norton
83	Brunswick	83	Waynesboro
84	Dinwiddie	84	Louisa
85	Surry	85	Alleghany
86	Northumberland	86	Northampton
87	Bedford City	87	Carroll
88	King and Queen	88	Roanoke City

Rank	Mortality	Rank	Morbidity
89	Wythe	89	Newport News
90	Essex	90	Norfolk
91	Middlesex	91	Radford
92	Buckingham	92	Washington
93	Galax	93	Dinwiddie
94	Giles	94	Accomack
95	Henry	95	Charles City
96	Lunenburg	96	Buckingham
97	Lancaster	97	Amelia
98	Accomack	98	Westmoreland
99	Scott	99	Charlotte
100	Amelia	100	Danville
101	Fredericksburg	101	Lunenburg
102	Mecklenburg	102	Mecklenburg
103	Bland	103	Scott
104	Alleghany	104	Hopewell
105	Hopewell	105	Portsmouth
106	Grayson	106	Lancaster
107	Richmond	107	Richmond City
108	Northampton	108	Smyth
109	Bristol	109	Northumberland
110	Smyth	110	Franklin City
111	Pulaski	111	Richmond
112	Charlotte	112	Sussex
113	Westmoreland	113	Prince Edward
114	Portsmouth	114	Wythe
115	Halifax	115	Cumberland
116	Prince Edward	116	Surry
117	Dickenson	117	Fredericksburg
118	Wise	118	King and Queen
119	Russell	119	Petersburg
120	Norfolk	120	Halifax
121	Tazewell	121	Brunswick
122	Lee	122	Nottoway
123	Roanoke City	123	Pulaski
124	Williamsburg	124	Henry
125	Martinsville	125	Greensville
126	Danville	126	Russell
127	Buchanan	127	Emporia
128	Covington	128	Lee
129	Richmond City	129	Tazewell
130	Franklin City	130	Wise
131	Emporia	131	Dickenson
132	Petersburg	132	Buchanan

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	Arlington	1	Charlottesville	1	Loudoun	1	Fairfax City
2	Fairfax	2	James City	2	York	2	Galax
3	Fairfax City	3	Falls Church	3	Fairfax	3	Martinsville
4	Loudoun	4	Poquoson	4	Poquoson	3	Norton
5	Albemarle	5	Roanoke	5	Fairfax City	5	Staunton
6	Alexandria	6	Salem	6	Stafford	6	Emporia
7	James City	7	Henrico	7	Hanover	7	Danville
8	Roanoke	8	Goochland	8	Arlington	8	Winchester
9	Craig	9	Chesterfield	9	James City	9	Radford
10	York	10	Hanover	10	Roanoke	10	Lynchburg
11	Botetourt	11	Winchester	11	Fauquier	11	Buena Vista
12	Clarke	12	Waynesboro	12	Albemarle	11	Covington
13	Montgomery	13	Chesapeake	13	Falls Church	13	Charlottesville
14	Bedford	14	Danville	14	Botetourt	14	Salem
15	Radford	15	Lynchburg	15	Fluvanna	15	Richmond
16	Bristol	16	Albemarle	16	Spotsylvania	16	Chesapeake
17	Virginia Beach	17	Loudoun	17	Clarke	17	Colonial Heights
18	Fluvanna	18	York	18	Prince William	18	Fredericksburg
19	Harrisonburg	19	Giles	19	Chesterfield	19	Sussex
20	Rockingham	20	Staunton	20	Powhatan	20	Bristol
21	Goochland	21	Norton	21	New Kent	21	Louisa
22	Stafford	22	Greensville	22	King William	22	Alleghany
23	Poquoson	23	Newport News	23	Rappahannock	22	Amherst
24	Hanover	24	Augusta	24	Mathews	24	Waynesboro
25	Augusta	25	Roanoke City	25	Rockingham	25	Smyth
26	Charlottesville	26	Bedford	26	King George	26	Washington
27	Buena Vista	27	Virginia Beach	27	Alexandria	27	Franklin City
28	Henrico	28	Fairfax	28	Bedford	28	Fluvanna
29	Fauquier	29	New Kent	29	Virginia Beach	29	Craig
30	Washington	30	Orange	30	Isle of Wight	29	Greensville
31	Chesterfield	31	Portsmouth	31	Goochland	29	Wise
32	Giles	32	Suffolk	32	Salem	32	Henry
33	Amherst	33	Williamsburg	33	Henrico	33	Roanoke City
34	Powhatan	34	Botetourt	34	Greene	34	Harrisonburg
35	Alleghany	35	Grayson	35	Chesapeake	35	Halifax
36	Falls Church	36	Bedford City	36	Montgomery	36	Patrick
37	Rappahannock	37	Fluvanna	37	Frederick	37	Manassas
38	Nelson	38	Frederick	38	Rockbridge	38	Charlotte
39	Williamsburg	39	King William	39	Orange	39	Appomattox
40	Rockbridge	40	Richmond City	40	Augusta	40	Mecklenburg

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
41	Russell	41	Prince Edward	41	Gloucester	41	Newport News
42	Floyd	42	Rockbridge	42	Warren	42	Powhatan
43	Staunton	43	Franklin City	43	Madison	43	Pulaski
44	Gloucester	44	Petersburg	44	Bath	44	Greene
45	Chesapeake	45	Washington	45	Culpeper	45	Albemarle
46	Norton	46	Nottoway	46	Manassas Park	46	James City
47	Grayson	47	Smyth	47	Prince George	47	Shenandoah
48	Salem	48	Isle of Wight	48	Nelson	48	Montgomery
49	Manassas	49	Madison	49	Colonial Heights	49	Roanoke
50	Orange	50	Hopewell	50	Radford	50	Page
51	Richmond	51	Hampton	51	Bland	51	Lancaster
52	Prince William	52	Mathews	52	Suffolk	52	Middlesex
53	Waynesboro	53	Charles City	53	Louisa	53	Essex
54	Middlesex	54	Carroll	54	Floyd	54	Hopewell
55	Colonial Heights	55	Spotsylvania	55	Washington	55	Botetourt
56	Bland	56	Bristol	56	Amelia	56	Campbell
57	Winchester	57	Colonial Heights	57	Campbell	57	Buchanan
58	Shenandoah	58	Halifax	58	Amherst	58	Frederick
59	Charlotte	59	Essex	59	Charlottesville	59	Tazewell
60	King George	60	Radford	60	Shenandoah	60	Northumberland
61	Mathews	61	King and Queen	61	Giles	61	Warren
62	Franklin	62	Patrick	62	Alleghany	62	York
63	Galax	63	Norfolk	63	Craig	63	Augusta
64	Fredericksburg	64	Warren	64	Caroline	64	Rockbridge
65	Covington	65	Arlington	65	Harrisonburg	65	Isle of Wight
66	Tazewell	66	King George	66	Surry	66	Stafford
67	Bath	67	Martinsville	67	Franklin	67	Bedford City
68	Greene	68	Northumberland	68	Middlesex	68	Spotsylvania
69	Spotsylvania	69	Richmond	69	Buena Vista	69	Petersburg
70	New Kent	70	Northampton	70	Manassas	70	Prince William
71	Isle of Wight	71	Alexandria	71	Cumberland	71	Orange
72	Manassas Park	72	Pulaski	72	Winchester	72	Fauquier
73	Campbell	73	Gloucester	73	Staunton	73	King William
74	Pulaski	74	Greene	74	Charles City	74	Rockingham
75	Patrick	75	Mecklenburg	75	Richmond	75	Williamsburg
76	Frederick	76	Manassas	76	Appomattox	76	Hanover
77	Culpeper	77	Henry	77	Hampton	77	Wythe
78	Pittsylvania	78	Surry	78	Lancaster	78	Clarke
79	Page	79	Cumberland	79	Dinwiddie	79	Franklin
80	Lancaster	80	Clarke	80	Pittsylvania	80	Southampton
81	Madison	81	Culpeper	81	Southampton	81	Carroll
82	King William	82	Emporia	82	Scott	82	Culpeper
83	Scott	83	Dinwiddie	83	Newport News	83	Westmoreland
84	Lynchburg	84	Middlesex	84	Tazewell	84	Bedford
85	Southampton	85	Franklin	85	Essex	85	Gloucester
86	Bedford City	86	Powhatan	86	Fredericksburg	85	Lunenburg
87	Smyth	87	Scott	87	Lynchburg	87	Nelson

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
88	Appomattox	88	Floyd	88	Bedford City	88	Dickenson
89	Greensville	89	Nelson	89	Northumberland	89	Floyd
90	Wythe	90	Pittsylvania	90	Westmoreland	90	Amelia
91	Northumberland	91	Fauquier	91	Norton	91	Russell
92	Suffolk	92	Louisa	92	Wise	92	Lee
93	Caroline	93	Shenandoah	93	King and Queen	93	Pittsylvania
94	Danville	94	Stafford	94	Prince Edward	94	Buckingham
95	Cumberland	95	Prince William	95	Wythe	95	King George
96	King and Queen	96	Wythe	96	Pulaski	96	Falls Church
97	Nottoway	97	Covington	97	Waynesboro	97	Poquoson
98	Martinsville	98	Charlotte	98	Accomack	98	New Kent
99	Westmoreland	99	Buena Vista	99	Charlotte	99	Madison
100	Warren	100	Lancaster	100	Grayson	100	Nottoway
101	Prince George	101	Bland	101	Buckingham	101	Bath
102	Essex	102	Westmoreland	102	Carroll	101	Bland
103	Henry	103	Lunenburg	103	Sussex	103	Accomack
104	Halifax	104	Brunswick	104	Patrick	104	Charles City
105	Prince Edward	105	Amherst	105	Covington	105	Giles
106	Buckingham	106	Caroline	106	Northampton	106	Chesterfield
107	Richmond City	107	Fredericksburg	107	Dickenson	107	Virginia Beach
108	Northampton	108	Craig	108	Greensville	108	Grayson
109	Lunenburg	109	Campbell	109	Nottoway	109	King and Queen
110	Amelia	110	Alleghany	110	Russell	110	Northampton
111	Surry	111	Page	111	Page	111	Mathews
112	Franklin City	112	Wise	112	Williamsburg	112	Rappahannock
113	Newport News	113	Galax	113	Smyth	113	Dinwiddie
114	Sussex	114	Tazewell	114	Lunenburg	114	Manassas Park
115	Louisa	115	Accomack	115	Lee	115	Richmond City
116	Emporia	116	Rockingham	116	Halifax	116	Goochland
117	Norfolk	117	Fairfax City	117	Buchanan	117	Brunswick
118	Charles City	118	Sussex	118	Mecklenburg	118	Scott
119	Dickenson	119	Prince George	119	Galax	119	Loudoun
120	Buchanan	120	Amelia	120	Brunswick	120	Cumberland
121	Mecklenburg	121	Manassas Park	121	Portsmouth	120	Surry
122	Accomack	122	Buckingham	122	Norfolk	122	Henrico
123	Hampton	123	Southampton	123	Franklin City	123	Prince George
124	Roanoke City	124	Appomattox	124	Henry	124	Suffolk
125	Brunswick	125	Montgomery	125	Bristol	125	Prince Edward
126	Portsmouth	126	Russell	126	Roanoke City	126	Portsmouth
127	Carroll	127	Bath	127	Martinsville	127	Norfolk
128	Wise	128	Harrisonburg	128	Hopewell	128	Hampton
129	Lee	129	Rappahannock	129	Richmond City	129	Arlington
130	Dinwiddie	130	Dickenson	130	Danville	130	Caroline
131	Hopewell	131	Lee	131	Emporia	131	Alexandria
132	Petersburg	132	Buchanan	132	Petersburg	132	Fairfax

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

[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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