



County Health Rankings

Mobilizing Action Toward Community Health

2010

Texas



Robert Wood Johnson Foundation



UNIVERSITY OF WISCONSIN

Population Health Institute

Translating Research into Policy and Practice

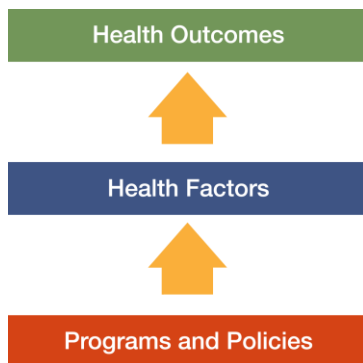
Introduction

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.

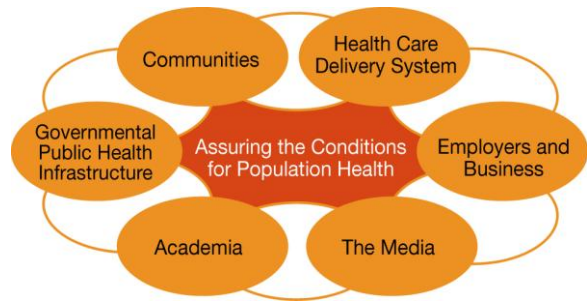
The problem is that there are big differences in health across communities, with some places being much healthier than others. And up to now, it has been hard to get a standard way to measure how healthy a county is and see where they can improve.

The Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute are pleased to present the 2010 *County Health Rankings*, a collection of 50 reports that reflect the overall health of counties in every state across the country. For the first time, 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 will allow them 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.



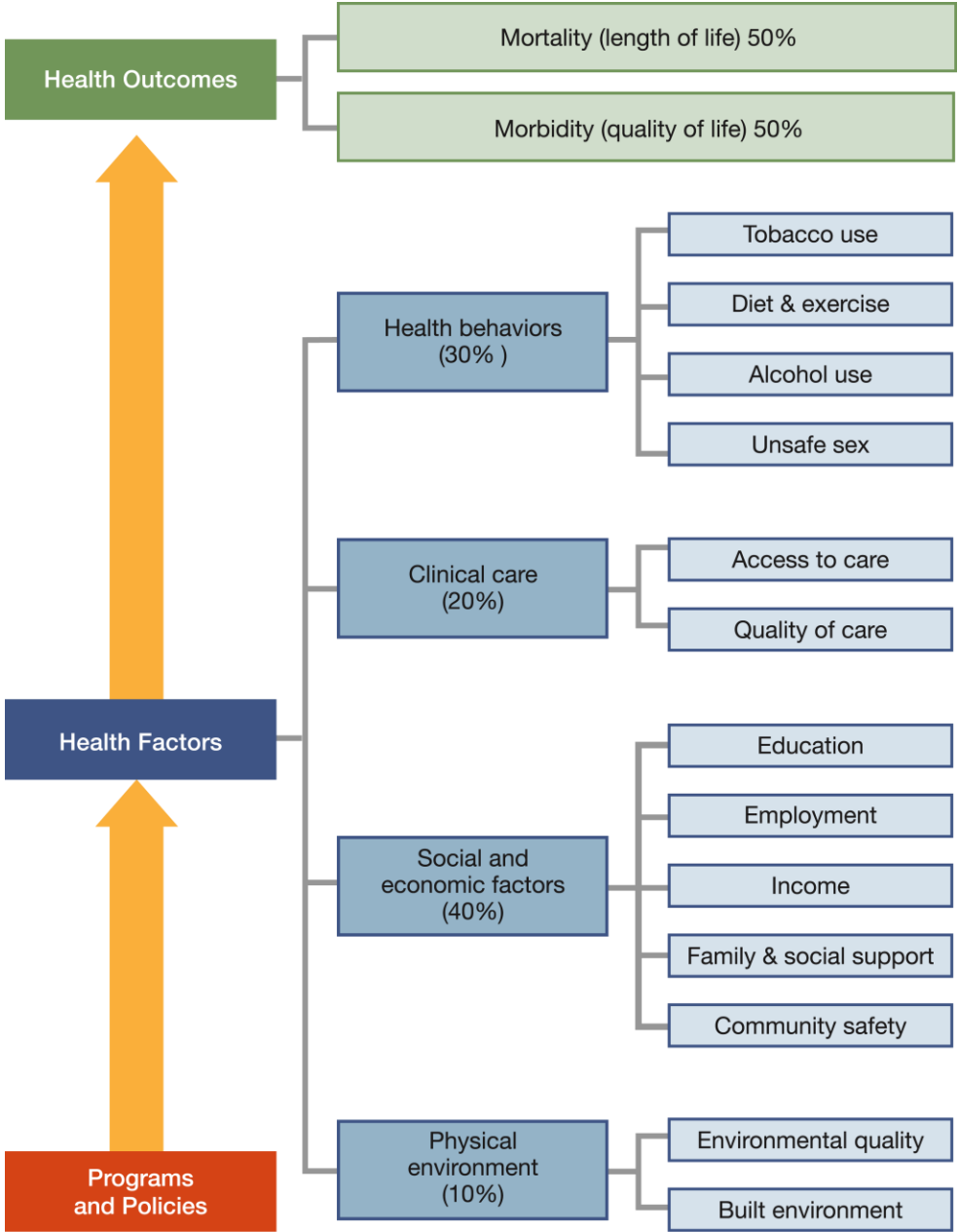
Institute of Medicine, 2002

To compile the *Rankings*, we built on our prior work in Wisconsin, worked closely with staff from the Centers for Disease Control and Prevention and Dartmouth College, and obtained input from a team of expert advisors. 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 the choice of measures, see www.countyhealthrankings.org.

The Rankings

This report ranks Texas 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.

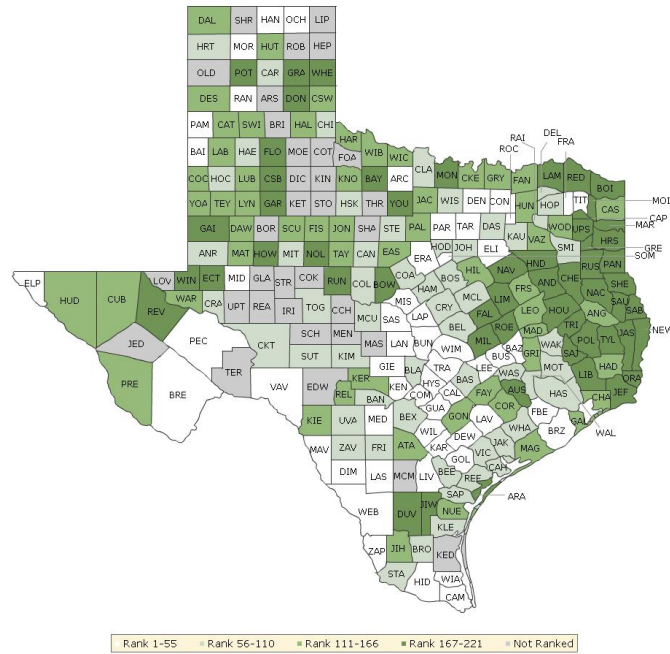


County Health Rankings model ©2010 UWPHI

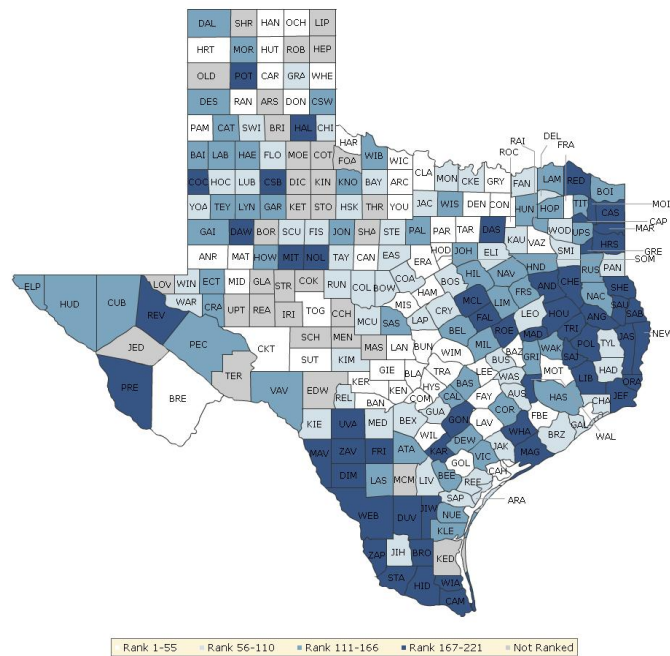
The maps on this page display Texas's counties divided into groups by health rank. The lighter colors indicate better performance in the respective summary rankings. The green map shows the distribution of summary health outcomes. The blue displays the distribution of the summary rank for health factors.

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



HEALTH FACTORS



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	Williamson	1	Collin
2	Collin	2	Kendall
3	Denton	3	Gillespie
4	Gillespie	4	Rockwall
5	Kendall	5	Williamson
6	Rockwall	6	Comal
7	Travis	7	Fort Bend
8	Comal	8	Randall
9	Hays	9	Travis
10	Fort Bend	10	Hays
11	Brazos	11	Somervell
12	Erath	12	Carson
13	Ochiltree	13	Denton
14	Lavaca	14	Kerr
15	DeWitt	15	Montgomery
16	Parmer	16	Llano
17	Zapata	17	Hartley
18	Midland	18	Donley
19	Archer	19	Blanco
20	Randall	20	Burnet
21	Hansford	21	Archer
22	Caldwell	22	Midland
23	Willacy	23	Hood
24	Franklin	24	Lavaca
25	Guadalupe	25	Mills
26	Lee	26	Clay
27	Hidalgo	27	Ochiltree
28	Cameron	28	Wichita
29	San Saba	29	Young
30	Ellis	30	Sutton
31	Webb	31	Parmer
32	Brewster	32	Erath
33	Goliad	33	Andrews
34	Mills	34	Callahan
35	Val Verde	35	Brazos
36	Titus	36	Crockett
37	Tarrant	37	Fayette
38	Burleson	38	Hutchinson
39	Wilson	39	Wheeler
40	Somervell	40	Tom Green

Rank	Health Outcomes	Rank	Health Factors
41	Dimmit	41	Brewster
42	Moore	42	Hansford
43	Brazoria	43	Wilson
44	Karnes	44	Hamilton
45	Parker	45	Grayson
46	Maverick	46	Bandera
47	Live Oak	47	Franklin
48	Medina	48	Lee
49	Lampasas	49	Goliad
50	El Paso	50	Hardeman
51	Llano	51	Calhoun
52	Burnet	52	Tarrant
53	La Salle	53	Parker
54	Pecos	54	Martin
55	Bailey	55	Van Zandt
56	Montgomery	56	Stephens
57	Coryell	57	Austin
58	Harris	58	Taylor
59	Blanco	59	Smith
60	Sutton	60	Hockley
61	Comanche	61	Runnels
62	Crockett	62	Lubbock
63	Haskell	63	Refugio
64	Refugio	64	Montague
65	Tom Green	65	Ward
66	Starr	66	Bosque
67	Wise	67	Fisher
68	Carson	68	Brazoria
69	Hale	69	Jack
70	Dallas	70	Eastland
71	Smith	71	Winkler
72	Childress	72	Fannin
73	Calhoun	73	Chambers
74	Bell	74	Lampasas
75	Kimble	75	Hardin
76	Andrews	76	Tyler
77	Bee	77	Yoakum
78	Bexar	78	Guadalupe
79	Johnson	79	Baylor
80	Mitchell	80	Scurry
81	Crane	81	Floyd
82	Victoria	82	Childress
83	Washington	83	Delta
84	Bandera	84	Swisher
85	Coleman	85	Kinney
86	Hood	86	Coleman
87	Delta	87	Jim Hogg
88	Wharton	88	Bexar
89	Hamilton	89	Kaufman
90	Walker	90	Washington

Rank	Health Outcomes	Rank	Health Factors
91	Bastrop	91	Leon
92	McCulloch	92	Burleson
93	Jackson	93	Brown
94	Rains	94	Live Oak
95	Clay	95	Wood
96	Uvalde	96	Gray
97	Zavala	97	Galveston
98	San Patricio	98	Haskell
99	Kleberg	99	Kimble
100	Kaufman	100	Aransas
101	Frio	101	Jackson
102	Hockley	102	Real
103	Stephens	103	McCulloch
104	Brooks	104	San Patricio
105	Bosque	105	Cooke
106	McLennan	106	Ellis
107	Callahan	107	Coryell
108	Hartley	108	Medina
109	Waller	109	Panola
110	Hopkins	110	Comanche
111	Grayson	111	Pecos
112	Terry	112	Rains
113	Nueces	113	Freestone
114	Cooke	114	Lynn
115	Swisher	115	Kleberg
116	Kinney	116	Wise
117	Galveston	117	San Saba
118	Collingsworth	118	Gaines
119	Hall	119	Hale
120	Matagorda	120	Moore
121	Castro	121	Palo Pinto
122	Hardeman	122	Johnson
123	Jones	123	Knox
124	Culberson	124	Upshur
125	Freestone	125	Colorado
126	Kerr	126	Hill
127	Lamb	127	Bell
128	Lynn	128	Hopkins
129	Hill	129	Nueces
130	Lubbock	130	Bastrop
131	Jack	131	Lamb
132	Hudspeth	132	Dallam
133	Grimes	133	Atascosa
134	Martin	134	Crane
135	Madison	135	Deaf Smith
136	Presidio	136	Jones
137	Real	137	Wilbarger
138	Cochran	138	Garza
139	Chambers	139	Collingsworth
140	Hardin	140	Victoria

Rank	Health Outcomes	Rank	Health Factors
141	Yoakum	141	Bowie
142	Scurry	142	Limestone
143	Van Zandt	143	Culberson
144	Deaf Smith	144	Harris
145	Fayette	145	Grimes
146	Palo Pinto	146	Bailey
147	Angelina	147	Titus
148	Ward	148	Val Verde
149	Wood	149	Hunt
150	Leon	150	Henderson
151	Knox	151	DeWitt
152	Atascosa	152	Ector
153	Wichita	153	Terry
154	Dallam	154	Lamar
155	Fisher	155	Hudspeth
156	Gonzales	156	La Salle
157	Wilbarger	157	El Paso
158	Jim Hogg	158	Bee
159	Hunt	159	Castro
160	Colorado	160	Milam
161	Eastland	161	Nacogdoches
162	Fannin	162	Rusk
163	Cass	163	Walker
164	Taylor	164	Navarro
165	Dawson	165	Howard
166	Hutchinson	166	Caldwell
167	Garza	167	Jasper
168	Milam	168	Duval
169	Donley	169	McLennan
170	Gaines	170	Gregg
171	Brown	171	Dallas
172	Lamar	172	Wharton
173	Ector	173	Uvalde
174	Floyd	174	Nolan
175	Henderson	175	Madison
176	Montague	176	San Jacinto
177	Reeves	177	Cochran
178	Tyler	178	Dawson
179	Jasper	179	Shelby
180	Rusk	180	Cass
181	Nacogdoches	181	Crosby
182	Upshur	182	Mitchell
183	San Jacinto	183	Harrison
184	Camp	184	Cameron
185	Gregg	185	Angelina
186	Aransas	186	Sabine
187	Austin	187	Newton
188	Houston	188	Presidio
189	Howard	189	Jim Wells
190	Crosby	190	Waller

Rank	Health Outcomes	Rank	Health Factors
191	Duval	191	Gonzales
192	Navarro	192	Hall
193	Jim Wells	193	Cherokee
194	Jefferson	194	Anderson
195	Runnels	195	Morris
196	Anderson	196	Frio
197	Baylor	197	San Augustine
198	Harrison	198	Karnes
199	Limestone	199	Red River
200	Cherokee	200	Polk
201	Gray	201	Houston
202	Young	202	Potter
203	Potter	203	Brooks
204	Bowie	204	Trinity
205	Liberty	205	Camp
206	Panola	206	Marion
207	Shelby	207	Zapata
208	Wheeler	208	Orange
209	Robertson	209	Robertson
210	Falls	210	Hidalgo
211	Orange	211	Matagorda
212	Nolan	212	Reeves
213	Winkler	213	Liberty
214	Sabine	214	Falls
215	Red River	215	Jefferson
216	San Augustine	216	Dimmit
217	Morris	217	Webb
218	Newton	218	Zavala
219	Marion	219	Maverick
220	Polk	220	Willacy
221	Trinity	221	Starr

Not Ranked: Armstrong, Borden, Briscoe, Coke, Concho, Cottle, Dickens, Edwards, Foard, Glasscock, Hemphill, Irion, Jeff Davis, Kenedy, Kent, King, Lipscomb, Loving, Mason, McMullen, Menard, Motley, Oldham, Reagan, Roberts, Schleicher, Shackelford, Sherman, Sterling, Stonewall, Terrell, Throckmorton, Upton

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	Collin	1	Erath
2	Williamson	2	Gillespie
3	Denton	3	Williamson
4	Brewster	4	DeWitt
5	Fort Bend	5	Comal
6	Hays	6	Rockwall
7	Travis	7	Kendall
8	Kendall	8	Calhoun
9	Gillespie	9	Titus
10	Rockwall	10	Lavaca
11	Hidalgo	11	Denton
12	Maverick	12	Ochiltree
13	Cameron	13	Zapata
14	Brazos	14	Lampasas
15	Comal	15	Crockett
16	Webb	16	Archer
17	Childress	17	Brazos
18	Val Verde	18	Travis
19	Franklin	19	Haskell
20	Guadalupe	20	Hansford
21	Lee	21	Hill
22	Randall	22	Somervell
23	Mills	23	Parmer
24	El Paso	24	Llano
25	Willacy	25	Collin
26	Swisher	26	Burleson
27	Live Oak	27	Hamilton
28	Midland	27	Refugio
29	Starr	29	Pecos
30	Medina	30	Burnet
31	Caldwell	31	Ellis
32	Parmer	32	Martin
33	San Saba	33	Stephens
34	Dimmit	34	Gonzales
35	Ochiltree	35	Hays
36	Karnes	36	Leon
37	Hale	37	Sutton
38	Lavaca	38	Midland
39	Wilson	39	Brazoria
40	Zapata	40	Goliad

Rank	Mortality	Rank	Morbidity
41	Tarrant	41	Wise
42	Hansford	42	Hood
43	Archer	43	Camp
44	Ellis	44	Palo Pinto
45	San Patricio	45	Crane
46	Terry	46	Caldwell
47	DeWitt	47	Blanco
48	Montgomery	48	Delta
49	Harris	49	Freestone
50	Goliad	50	Moore
51	Carson	51	San Saba
52	Atascosa	52	Zavala
53	Coryell	53	Tarrant
54	Moore	54	Parker
55	Rains	55	Fort Bend
56	Parker	56	Willacy
57	Bailey	57	Randall
58	Bexar	58	McCulloch
59	Hockley	59	Andrews
60	La Salle	60	Hunt
61	Johnson	61	Hardin
62	Bee	62	Waller
63	Bandera	63	Tom Green
64	Erath	64	Wharton
65	Comanche	65	La Salle
66	Dallas	66	Guadalupe
67	Brazoria	67	Comanche
68	Mitchell	68	Franklin
69	Tom Green	69	Lee
70	Smith	70	Wilson
71	Burleson	71	Bosque
72	Brooks	72	Eastland
73	Bell	73	Bailey
74	Bastrop	74	Cooke
75	Blanco	75	Anderson
76	Uvalde	76	Victoria
77	Kimble	77	Kimble
78	Somervell	78	Wichita
79	Burnet	79	Callahan
80	Titus	80	Limestone
81	Lamb	81	Grayson
82	Sutton	82	Hopkins
83	Nueces	83	Coleman
84	Washington	84	Frio
85	Dawson	85	Coryell
86	Andrews	86	Bell
87	Coleman	87	Smith
88	Llano	88	Washington
89	Lubbock	89	Harris
90	Walker	90	Montgomery

Rank	Mortality	Rank	Morbidity
91	Wise	91	McLennan
92	Victoria	92	Van Zandt
93	Pecos	93	Dallas
94	Clay	94	Jackson
95	Floyd	95	Galveston
96	Jackson	96	Walker
97	Matagorda	97	Kaufman
98	Kleberg	98	Cameron
99	Refugio	99	Hidalgo
100	Kaufman	100	Clay
101	Lampasas	101	Dimmit
102	Yoakum	102	Brown
103	Wharton	103	Kleberg
104	Castro	104	Karnes
105	Haskell	105	Lynn
106	Kerr	106	Webb
107	McCulloch	107	Reeves
108	Collingsworth	108	Grimes
108	Crane	109	Montague
108	Crockett	110	Hartley
108	Culberson	111	Sabine
108	Delta	112	Mills
108	Donley	112	Real
108	Fisher	114	Milam
108	Hall	115	Jack
108	Hardeman	116	Carson
108	Hartley	117	Tyler
108	Hudspeth	118	Val Verde
108	Kinney	119	Wheeler
108	Knox	120	Mitchell
108	Presidio	121	Jones
122	Chambers	121	Kinney
123	Frio	123	Upshur
124	Zavala	124	Gregg
125	Hood	125	Bee
126	Cochran	126	Wilbarger
127	Angelina	127	San Jacinto
128	Wood	128	Bastrop
129	Jim Hogg	129	Collingsworth
130	McLennan	130	Hall
131	Jones	131	Johnson
132	Deaf Smith	132	Medina
133	Madison	133	Fayette
134	Taylor	134	Fannin
135	Callahan	135	Uvalde
136	Bosque	136	Bandera
137	Galveston	137	Madison
138	Baylor	138	Bexar
139	Hopkins	139	Hardeman
140	Grayson	140	Live Oak

Rank	Mortality	Rank	Morbidity
141	Scurry	141	Gaines
142	Ward	142	Scurry
143	Cooke	143	Culberson
144	Jack	144	Hutchinson
145	Colorado	145	Rusk
146	Waller	146	Dallam
147	Calhoun	147	Panola
148	Lynn	148	Navarro
149	Fayette	149	Jasper
150	Cass	150	Ward
151	Hamilton	151	El Paso
152	Grimes	152	Castro
153	Real	153	Kerr
154	Dallam	154	Cochran
155	Ector	154	Garza
156	Bowie	156	Hale
157	Stephens	157	Hudspeth
158	Nacogdoches	158	Deaf Smith
159	Austin	159	Robertson
160	Wilbarger	160	Nolan
161	Garza	161	Presidio
162	Van Zandt	162	Matagorda
163	Hutchinson	163	Nueces
164	Lamar	164	Starr
165	Fannin	165	Henderson
166	Jim Wells	166	Chambers
167	Cherokee	167	Colorado
168	Freestone	168	Maverick
169	Henderson	169	Angelina
170	Crosby	170	Rains
171	Duval	171	Brooks
172	Hardin	172	Cass
173	Aransas	173	Lamar
174	Houston	174	Wood
175	Gaines	175	Falls
176	Howard	176	Runnels
177	Wichita	177	Aransas
178	Jasper	178	Howard
179	Jefferson	179	Houston
180	Milam	180	San Patricio
181	Rusk	181	Hockley
182	Potter	182	Shelby
183	Harrison	183	Lubbock
184	Eastland	184	Jim Hogg
185	Young	185	Gray
186	Martin	186	Liberty
187	Runnels	187	Knox
188	Palo Pinto	187	Yoakum
189	Hunt	189	Lamb
190	Tyler	190	Jefferson

Rank	Mortality	Rank	Morbidity
191	Hill	191	Fisher
192	Gray	192	Winkler
193	San Jacinto	193	Nacogdoches
194	Upshur	194	Crosby
195	Brown	195	Newton
196	Montague	196	Taylor
197	Gregg	197	Harrison
198	Reeves	198	Ector
199	Navarro	199	Young
200	Leon	200	Polk
201	Gonzales	201	Childress
202	Liberty	202	Duval
203	Shelby	203	Potter
204	Orange	204	Austin
205	Camp	205	Brewster
206	Anderson	206	San Augustine
207	Limestone	207	Orange
208	Red River	208	Jim Wells
209	Panola	209	Terry
210	Falls	210	Donley
211	Robertson	211	Cherokee
212	Winkler	212	Morris
213	Nolan	213	Dawson
214	San Augustine	214	Red River
215	Morris	215	Bowie
216	Wheeler	216	Floyd
217	Newton	217	Baylor
218	Marion	218	Atascosa
219	Sabine	219	Swisher
220	Trinity	220	Trinity
221	Polk	221	Marion

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	Collin	1	Potter	1	Collin	1	Andrews
2	Travis	2	Randall	2	Rockwall	1	Baylor
3	Gillespie	3	Collin	3	Gillespie	1	Crane
4	Kendall	4	Wichita	4	Kendall	1	Crockett
5	Fort Bend	5	Smith	5	Williamson	1	Crosby
6	Williamson	6	Williamson	6	Denton	1	Hardeman
7	Rockwall	7	McLennan	7	Blanco	1	Kinney
8	Comal	8	Galveston	8	Hays	1	Winkler
9	Montgomery	9	Somervell	9	Fort Bend	9	Parmer
10	Cameron	10	Bell	10	Ochiltree	10	Gaines
11	El Paso	11	Kerr	11	Wheeler	10	Hansford
12	Llano	12	Comal	12	Clay	10	Yoakum
13	Mills	13	Kendall	13	Hartley	10	Zavala
14	Calhoun	14	Bowie	14	Carson	14	Burnet
15	Kleberg	15	Travis	15	Comal	15	Sutton
16	Hays	16	Bexar	16	Somervell	16	Hale
17	Tyler	17	Taylor	17	Archer	17	Cameron
18	Randall	18	Childress	18	Sutton	18	Van Zandt
19	Presidio	19	Nueces	19	Randall	19	San Patricio
20	Parmer	20	Tom Green	20	Parker	20	Brooks
21	Brewster	21	Fort Bend	21	Hansford	20	Jim Hogg
22	Donley	22	Rockwall	22	Fayette	22	Bowie
23	Kerr	23	Hutchinson	23	Lavaca	23	Webb
24	Eastland	24	Gillespie	24	Hood	24	Hidalgo
25	Fannin	25	Gregg	25	Jack	25	Shelby
26	Lee	26	Carson	26	Austin	26	Wilson
27	Harris	27	Brazoria	27	Donley	27	Angelina
28	Maverick	28	Midland	28	Burnet	28	Hartley
29	Hudspeth	29	Montgomery	29	Erath	29	Jim Wells
30	Bandera	30	Denton	30	Midland	30	Duval
31	Chambers	31	Lubbock	31	Hamilton	30	Floyd
32	Lamb	32	Llano	32	Travis	32	Maverick
33	McCulloch	33	Tarrant	33	Callahan	33	Dawson
34	Archer	34	Hood	34	Wise	34	Wood
35	Aransas	35	Hays	35	Montgomery	35	Callahan
36	Somervell	36	Floyd	36	Wilson	36	Blanco
37	Scurry	37	Victoria	37	Yoakum	37	Clay
38	Fayette	38	Jasper	38	Guadalupe	38	Kerr
39	Tarrant	39	Washington	39	Franklin	39	Donley
40	Hamilton	40	Jefferson	40	Parmer	39	Ochiltree

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
41	San Saba	41	Hartley	41	Hopkins	39	Swisher
42	Val Verde	42	Ward	42	Montague	39	Terry
43	Lampasas	43	Howard	43	Moore	39	Willacy
44	Kimble	44	Runnels	44	Young	39	Zapata
45	Goliad	45	Gray	45	Fisher	45	Moore
46	Franklin	46	Parker	46	Brazoria	46	Jones
47	Carson	47	Scurry	47	Ellis	47	Wichita
48	Hockley	48	Andrews	48	Goliad	48	Deaf Smith
49	Pecos	49	Dallas	49	Martin	49	Eastland
50	Denton	50	Ellis	50	Mills	50	Brown
51	Ochiltree	51	Burnet	51	Freestone	51	Morris
52	Coleman	52	Anderson	52	Brewster	52	Limestone
53	Bee	53	Lamar	53	Llano	53	Jasper
54	Starr	54	Ector	54	Brazos	54	Stephens
55	Bosque	55	Orange	55	Crockett	55	Houston
56	Austin	56	Brazos	56	Kerr	55	Madison
57	Young	57	Swisher	57	Jackson	57	Starr
58	Fisher	58	Kaufman	58	Van Zandt	58	Calhoun
59	Leon	59	Grayson	59	Dallam	59	Karnes
60	Coryell	60	Harrison	60	Washington	60	Delta
61	Brazos	61	Johnson	61	Cooke	61	Bailey
62	Real	62	Hardin	62	Gaines	61	Collingsworth
63	Lavaca	63	Mills	63	Ward	61	Dimmit
64	Brown	64	Donley	64	Panola	61	Fisher
65	Baylor	65	Crockett	65	Stephens	61	La Salle
66	Hardeman	66	Matagorda	66	Bastrop	61	Lynn
67	Grayson	67	Henderson	67	Lampasas	61	Martin
68	Knox	68	Guadalupe	68	Hardeman	68	Hutchinson
69	Montague	69	Palo Pinto	69	Bandera	69	Erath
70	Burleson	70	Refugio	70	Comanche	70	Lavaca
71	Martin	71	Young	71	Bosque	71	Carson
72	Burnet	72	Harris	72	Andrews	72	Bell
73	Runnels	73	Wharton	73	Lee	73	Taylor
74	Bexar	74	Polk	74	Johnson	74	Bastrop
75	Blanco	75	Hunt	75	Haskell	75	Wheeler
76	Childress	76	Wise	76	Collingsworth	76	Ellis
77	Uvalde	77	Wilson	77	Hutchinson	77	Lubbock
78	Refugio	78	Navarro	78	Hockley	78	Freestone
79	Kinney	79	La Salle	79	Chambers	79	Burleson
80	Jones	80	Uvalde	80	Grayson	80	Young
81	Tom Green	81	Duval	81	Real	81	Archer
82	Live Oak	82	Lavaca	82	Hardin	82	Frio
83	Midland	83	Colorado	83	Live Oak	83	Hockley
84	Haskell	84	Rusk	84	Leon	84	Grayson
85	Erath	85	Hopkins	85	Winkler	85	Chambers
86	Sabine	86	Deaf Smith	86	Colorado	86	Kaufman
87	Rains	87	San Patricio	87	Tom Green	87	Reeves
88	Wichita	88	Callahan	88	Tarrant	88	Midland
89	Stephens	89	Delta	89	Hill	89	Runnels
90	Comanche	90	Milam	90	Culberson	90	Cherokee

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
91	Atascosa	91	Brooks	91	Upshur	91	McLennan
92	Duval	92	Tyler	92	Refugio	92	Tyler
93	Jim Hogg	93	Hale	93	Bell	93	Ector
94	Hood	94	Jim Hogg	94	Rains	94	Panola
95	Callahan	95	Erath	95	Wood	95	Franklin
96	Van Zandt	96	Medina	96	Knox	96	Randall
97	Sutton	97	Angelina	97	Palo Pinto	97	Robertson
98	Frio	98	Bastrop	98	Delta	98	Bandera
99	Floyd	99	Brown	99	Coleman	99	Hays
100	Reeves	100	El Paso	100	Taylor	100	Kleberg
101	Lubbock	101	Panola	101	Wharton	101	Refugio
102	San Jacinto	102	Newton	102	Garza	102	Fannin
103	Culberson	103	Morris	103	Lynn	103	Pecos
104	Dallas	104	Wilbarger	104	Nacogdoches	104	Johnson
105	Hansford	105	Garza	105	Wichita	105	Uvalde
106	San Patricio	106	Stephens	106	Medina	106	Atascosa
107	Delta	107	Grimes	107	Crane	107	Rockwall
108	Hall	108	Cherokee	108	Bailey	108	Palo Pinto
109	Winkler	109	Cass	109	Burleson	109	Llano
110	Hartley	110	Zavala	110	Titus	110	Falls
111	Hidalgo	111	Kimble	111	Gray	111	Montague
112	Smith	112	Dawson	112	Swisher	112	Leon
113	Kaufman	113	Brewster	113	Eastland	113	Gray
114	Wood	114	Bandera	114	Castro	114	Brazos
115	Hutchinson	115	Walker	115	Hale	115	Comanche
116	Clay	116	Upshur	116	San Saba	116	Potter
117	Yoakum	117	Baylor	117	Kaufman	117	Hardin
118	Andrews	118	Val Verde	118	Fannin	118	Polk
119	La Salle	119	Bosque	119	Calhoun	119	Coryell
120	Castro	120	Caldwell	120	Runnels	120	Nueces
121	Cooke	121	Lee	121	Galveston	121	Walker
122	Jack	122	Limestone	122	Pecos	122	Medina
123	Zapata	123	Waller	123	Jim Hogg	123	San Augustine
124	Hardin	124	McCulloch	124	Lubbock	124	Howard
125	Medina	125	Archer	125	Smith	125	San Jacinto
126	Lynn	126	Fannin	126	Waller	126	Childress
127	Jackson	127	Nacogdoches	127	Rusk	127	Rains
128	Swisher	128	Coryell	128	Coryell	128	Sabine
129	Wheeler	129	Lynn	129	Aransas	129	Upshur
130	Crane	130	Burleson	130	Walker	130	Presidio
131	Jim Wells	131	Austin	131	Mitchell	131	Guadalupe
132	Nolan	132	Haskell	132	Jones	132	Bee
133	Newton	133	Coleman	133	Kinney	133	Goliad
134	Dallam	134	Houston	134	Wilbarger	134	Cochran
135	Crockett	135	Aransas	135	DeWitt	134	Culberson
136	Collingsworth	136	Goliad	136	Grimes	134	Hudspeth
137	Willacy	137	DeWitt	137	Kimble	137	Lamb
138	Wilson	138	Hill	138	Brown	138	Lee
139	Brooks	139	Wood	139	Atascosa	139	Henderson
140	Wilbarger	140	Clay	140	Limestone	140	Caldwell

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
141	Deaf Smith	141	Hockley	141	Hunt	141	Tom Green
142	Hill	142	Van Zandt	142	McCulloch	142	Lampasas
143	Trinity	143	Marion	143	Baylor	143	Jack
144	Nueces	144	Kinney	144	Terry	144	Anderson
145	Ward	145	Calhoun	145	San Patricio	145	Kendall
146	Taylor	146	Blanco	146	Bexar	146	Comal
147	Red River	147	Jackson	147	Milam	147	Somervell
148	Grimes	148	Titus	148	Harrison	148	Hill
149	Colorado	149	Sabine	149	Cochran	149	Mitchell
150	Gaines	150	Willacy	150	Victoria	150	Wilbarger
151	Dawson	151	Martin	151	Scurry	151	McCulloch
152	Cochran	152	Moore	152	Floyd	152	Gillespie
153	Gray	153	Live Oak	153	Madison	153	Scurry
154	Dimmit	154	Kleberg	154	Gregg	154	Kimble
155	Upshur	155	Nolan	155	Shelby	155	Cass
156	Titus	156	Liberty	156	Ector	156	Aransas
157	DeWitt	157	Jim Wells	157	Henderson	157	Hunt
158	Limestone	158	Cooke	158	Deaf Smith	158	DeWitt
159	Terry	159	Gonzales	159	Liberty	159	Harrison
160	Brazoria	160	Real	160	Crosby	160	Coleman
161	Garza	161	Eastland	161	Caldwell	161	Live Oak
162	Caldwell	162	Hidalgo	162	Angelina	162	Nacogdoches
163	Crosby	163	Hamilton	163	Lamb	163	Hood
164	Freestone	164	Atascosa	164	Tyler	164	Orange
165	Parker	165	Franklin	165	McLennan	165	Gonzales
166	Hale	166	Winkler	166	Lamar	166	Milam
167	Lamar	167	Fayette	167	Navarro	167	Ward
168	Bailey	168	Freestone	168	Childress	168	Hopkins
169	Shelby	169	Terry	169	Nolan	169	Navarro
170	Navarro	170	San Augustine	170	Bowie	170	Val Verde
171	Palo Pinto	171	San Saba	171	Cass	171	Grimes
172	Henderson	172	Cameron	172	Harris	172	Hamilton
173	Guadalupe	173	Sutton	173	San Jacinto	173	Bosque
174	Matagorda	174	Dimmit	174	Gonzales	174	Rusk
175	Howard	175	Madison	175	Camp	175	Liberty
176	Zavala	176	Trinity	176	Nueces	176	Newton
177	Cass	177	Rains	177	Hudspeth	177	Fayette
178	Madison	178	Lampasas	178	Hall	178	Garza
179	Hunt	179	Pecos	179	Robertson	179	Red River
180	Milam	180	Bee	180	Kleberg	180	Hall
181	San Augustine	181	Bailey	181	Anderson	181	Travis
182	Jasper	182	Lamb	182	Orange	182	Dallam
183	Camp	183	Montague	183	Red River	183	Washington
184	Mitchell	184	Frio	184	Polk	184	Lamar
185	Galveston	185	Falls	185	Bee	185	Castro
186	Gonzales	186	Presidio	186	San Augustine	185	Knox
187	Panola	187	Hardeman	187	Howard	187	Galveston
188	Karnes	188	Leon	188	Marion	188	Cooke
189	Victoria	189	Hansford	189	Karnes	189	Victoria
190	Washington	190	Jack	190	Morris	190	Nolan

Rank	Health Behaviors	Rank	Clinical Care	Rank	Social & Economic Factors	Rank	Physical Environment
191	Webb	191	Camp	191	Dallas	191	Jackson
192	Falls	192	Wheeler	192	Cherokee	192	Collin
193	Marion	193	Karnes	193	Val Verde	193	Williamson
194	Houston	194	Knox	194	La Salle	194	Smith
195	Cherokee	195	Mitchell	195	Dawson	195	San Saba
196	Walker	196	Chambers	196	Jasper	196	Trinity
197	Wise	197	Cochran	197	Houston	197	Titus
198	Rusk	198	Robertson	198	Newton	198	Gregg
199	Moore	199	Reeves	199	Trinity	199	Brewster
200	Ector	200	Shelby	200	Jim Wells	200	Parker
201	Johnson	201	San Jacinto	201	Sabine	201	Mills
202	Nacogdoches	202	Comanche	202	Potter	202	Marion
203	Morris	203	Jones	203	Duval	203	Colorado
204	Waller	204	Fisher	204	Frio	204	Haskell
205	Bastrop	205	Red River	205	Zapata	205	Matagorda
206	Jefferson	206	Hudspeth	206	Uvalde	206	Camp
207	Hopkins	207	Yoakum	207	Falls	207	Wise
208	Wharton	208	Starr	208	Jefferson	208	El Paso
209	Bowie	209	Parmer	209	El Paso	209	Denton
210	Robertson	210	Dallam	210	Webb	210	Real
211	Gregg	211	Castro	211	Matagorda	211	Bexar
212	Ellis	212	Gaines	212	Presidio	212	Wharton
213	Angelina	213	Hall	213	Reeves	213	Brazoria
214	Harrison	214	Ochiltree	214	Brooks	214	Tarrant
215	Anderson	215	Zapata	215	Hidalgo	215	Waller
216	Polk	216	Collingsworth	216	Dimmit	216	Fort Bend
217	Bell	217	Crosby	217	Cameron	217	Dallas
218	McLennan	218	Culberson	218	Zavala	218	Austin
219	Orange	219	Crane	219	Maverick	219	Montgomery
220	Liberty	220	Webb	220	Willacy	220	Jefferson
221	Potter	221	Maverick	221	Starr	221	Harris

2010 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	2004-2006
Morbidity	Poor or fair health	Behavioral Risk Factor Surveillance System	2002-2008
	Poor physical health days	Behavioral Risk Factor Surveillance System	2002-2008
	Poor mental health days	Behavioral Risk Factor Surveillance System	2002-2008
	Low birthweight	National Center for Health Statistics	2000-2006
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco	Adult smoking	Behavioral Risk Factor Surveillance System	2002-2008
Diet and Exercise	Adult obesity	National Center for Chronic Disease Prevention and Health Promotion	2006-2008
Alcohol Use	Binge drinking	Behavioral Risk Factor Surveillance System	2002-2008
	Motor vehicle crash death rate	National Center for Health Statistics	2000-2006
High Risk Sexual Behavior	Chlamydia rate	National Center for Health Statistics	2007
	Teen birth rate	National Center for Health Statistics	2000-2006
CLINICAL CARE			
Access to Care	Uninsured adults	Small Area Health Insurance Estimates, U.S. Census	2005
	Primary care provider rate	Health Resources & Services Administration	2006
Quality of Care	Preventable hospital stays	Medicare/Dartmouth Institute	2005-2006
	Diabetic screening	Medicare/Dartmouth Institute	2003-2006
	Hospice use	Medicare/Dartmouth Institute	2001-2005
SOCIOECONOMIC FACTORS			
Education	High school graduation	National Center for Education Statistics ¹	2005-2006
	College degrees	U.S. Census/American Community Survey	2000/2005-2007
Employment	Unemployment	Bureau of Labor Statistics	2008
Income	Children in poverty	Small Area Income and Poverty Estimates, U.S. Census	2007
	Income inequality	U.S. Census/American Community Survey ²	2000/2005-2007
Family and Social Support	Inadequate social support	Behavioral Risk Factor Surveillance System	2005-2008
	Single-parent households	U.S. Census/American Community Survey	2000/2005-2007
Community Safety	Violent crime ³	Uniform Crime Reporting, Federal Bureau of Investigation	2005-2007
PHYSICAL ENVIRONMENT			
Air Quality⁴	Air pollution-particulate matter days	U.S. Environmental Protection Agency / Centers for Disease Control and Prevention	2005
	Air pollution-ozone days	U.S. Environmental Protection Agency / Centers for Disease Control and Prevention	2005
Built Environment	Access to healthy foods	Census Zip Code Business Patterns	2006
	Liquor store density	Census County Business Patterns	2006

¹ State data sources for KY, NH, NC, PA, SC, and UT (2007-2008).

² Income inequality estimates for 2000 were calculated by Mark L. Burkey, North Carolina Agricultural & Technical State University, www.ncat.edu/~burkeym/Gini.htm.

³ Homicide rate (2000-2006) 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.

⁴ Not available for AK and HI.

CREDITS

Report Editors

University of Wisconsin-Madison
 School of Medicine and Public Health
 Population Health Institute
 Bridget Booske, PhD, MHSA
 Jessica Athens, MS
 Patrick Remington, MD, MPH

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

Conceptual Development

David Kindig, MD, PhD
 Paul Peppard, PhD
 Patrick Remington, MD, MPH

Technical Advisors

Amy Bernstein, ScD, Centers for Disease Control and Prevention
 Michele Bohm, MPH, Centers for Disease Control and Prevention
 Vickie Boothe, MPH, Centers for Disease Control and Prevention
 Ethan Burke, MD, MPH, Dartmouth Institute for Health Policy and Clinical Practice

Research Assistance

Clare O'Connor
 Karen Odegaard
 Hyojun Park
 Matthew Rodock

Production and Editing

Chuck Alexander
 Alex Field
 Joan Fischer
 Irene Golembiewski
 Jennifer Robinson

Design

Forum One, Alexandria, VA
 Media Solutions, UW School of Medicine and Public Health

Metrics Advisory Group

Yukiko Asada, PhD, Associate Professor, Community Health and Epidemiology, Dalhousie University, Halifax, Nova Scotia
 Tom Eckstein, MBA, Principal, Arundel Street Consulting Inc, St. Paul, MN
 Elliott Fisher, MD, MPH, Director, Center for Population Health, Dartmouth Institute for Health Policy and Clinical Practice, and
 Professor of Medicine and Community and Family Medicine, Dartmouth Medical School, Lebanon, NH
 Howard Frumkin, MD, MPH, Dr. PH, Director of the National Center for Environmental Health, ATSDR, CDC, Atlanta, GA
 Thomas Kottke, MD, MSPH, Medical Director for Evidence-Based Health, HealthPartners, Minneapolis, MN
 Ali Mokdad, PhD, Professor of Global Health, Institute for Health Metrics and Evaluation, University of Washington, Seattle, WA
 Roy Gibson Parrish, MD, Consultant in Population Health Information Systems, Peacham, VT
 Robert M. (Bobby) Pestronk, MPH, Executive Director, National Association of County and City Health Officials (NACCHO),
 Washington, DC
 Tom Ricketts, PhD, Professor of Health Policy and Administration, University of North Carolina
 Steven Teutsch, MD, MPH, Chief Science Officer, Los Angeles County Public Health, Los Angeles, CA
 Julie Willems Van Dijk, PhD, RN, former Marathon County, WI Health Officer

Suggested citation: University of Wisconsin Population Health Institute. *County Health Rankings 2010*.



County Health Rankings

Mobilizing Action Toward Community Health

countyhealthrankings.org

