

# COUNTY HEALTH RANKINGS 2015: CODEBOOK FOR ANALYTIC DATASETS

---

The SAS and CSV files provided at <http://www.countyhealthrankings.org/rankings/data> contain the measure value, numerator, denominator and confidence intervals, where available, for all County Health Rankings ranked and unranked measures for each county in the nation.

This codebook and documentation provides the name of each variable, its data source and the years of data. For the full detailed list of variable names, please see the file titled “DataDictionary\_2015.”

## Standard variable format

Each measure variable name is coded with a measure ID. These measure IDs can be found in the tables at the end of the documentation and in the data dictionary referenced above. You will find at least five variables for each measure:

Measure value coded as v(measure id)\_rawvalue

Numerator coded as v(measure id)\_numerator

Denominator coded as v(measure id)\_denominator

Lower bound of 95% confidence interval coded as v(measure id)\_cilow

Upper bound of 95% confidence interval coded as v(measure id)\_cihigh

## Non-standard measure variables

**Health care provider measures:** Four measures have a “ratio” variable included. These measures and their corresponding variable are

- Primary care physicians (variable = v004\_other\_data\_1),
- Dentists (variable = v088\_other\_data\_1),
- Mental health providers (variable = v062\_other\_data\_1), and
- Other primary care providers (variable = v131\_other\_data\_1)

For these measures, we report a ratio of population:# of providers on the website. However, in calculating the rankings, we use the actual *rate* of number of providers/100,000 population. We include both the rate (as the raw value variable), and the *ratio* (as the “other data 1” variable). If you are trying to replicate the rankings, you should use the rate rather than the ratio.

When a county has no reported providers (ratio = [population]:0), the value for the ratio variable is assigned to be the negative population value. For example, v004\_other\_data\_1 stores the ratio variable as a positive number if the ratio is XXXX:1. However, for counties that have zero providers, the value is stored as a negative number to indicate that the ratio is different and is instead XXXX:0. (For example, if the ratio is 2000:0, the value stored in the field would be -2000.)

**Drinking water violations value:** The raw value for the drinking water violations measure represents the percent of population using public water that was affected by a drinking water violation.

For information about how the County Health Rankings are calculated, and more in depth descriptions of each of the measures, please visit [www.countyhealthrankings.org](http://www.countyhealthrankings.org)

## 2015 Measures & Data Sources

	Measure (ID)	Data Source	Years of Data
<b>HEALTH OUTCOMES</b>			
<b>Length of Life</b>	Premature death (1)	National Center for Health Statistics – Mortality Files	2010-2012
<b>Quality of Life</b>	Poor or fair health (2)	Behavioral Risk Factor Surveillance System	2006-2012
	Poor physical health days (36)	Behavioral Risk Factor Surveillance System	2006-2012
	Poor mental health days (42)	Behavioral Risk Factor Surveillance System	2006-2012
	Low birthweight (37)	National Center for Health Statistics – Natality Files	2006-2012
<b>HEALTH FACTORS</b>			
<b>HEALTH BEHAVIORS</b>			
<b>Tobacco Use</b>	Adult smoking (9)	Behavioral Risk Factor Surveillance System	2006-2012
<b>Diet and Exercise</b>	Adult obesity (11)	CDC Diabetes Interactive Atlas	2011
	Food environment index (133)	USDA Food Environment Atlas, Map the Meal Gap	2012
	Physical inactivity (70)	CDC Diabetes Interactive Atlas	2011
	Access to exercise opportunities (132)	Business Analyst, Delorme map data, ESRI, & US Census Tigerline Files	2010 & 2013
<b>Alcohol and Drug Use</b>	Excessive drinking (49)	Behavioral Risk Factor Surveillance System	2006-2012
	Alcohol-impaired driving deaths (134)	Fatality Analysis Reporting System	2009-2013
<b>Sexual Activity</b>	Sexually transmitted infections (45)	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB prevention	2012
	Teen births (14)	National Center for Health Statistics – Natality Files	2006-2012
<b>CLINICAL CARE</b>			
<b>Access to Care</b>	Uninsured (85)	Small Area Health Insurance Estimates	2012
	Primary care physicians (4)	Area Health Resource File/American Medical Association	2012
	Dentists (88)	Area Health Resource File/National Provider Identification file	2013
	Mental health providers (62)	CMS, National Provider Identification	2014
<b>Quality of Care</b>	Preventable hospital stays (5)	Dartmouth Atlas of Health Care	2012
	Diabetic monitoring (7)	Dartmouth Atlas of Health Care	2012
	Mammography screening (50)	Dartmouth Atlas of Health Care	2012
<b>SOCIAL AND ECONOMIC FACTORS</b>			
<b>Education</b>	High school graduation (21)	data.gov, supplemented w/ NCES	2011-2012
	Some college (69)	American Community Survey	2009-2013
<b>Employment</b>	Unemployment (23)	Bureau of Labor Statistics	2013
<b>Income</b>	Children in poverty (24)	Small Area Income and Poverty Estimates	2013
	Income inequality (44)	American Community Survey	2009-2013
<b>Family and Social Support</b>	Children in single-parent households (82)	American Community Survey	2009-2013
	Social associations (140)	County Business Patterns	2012
<b>Community Safety</b>	Violent crime (43)	Uniform Crime Reporting - FBI	2010-2012
	Injury deaths (135)	CDC WONDER	2008-2012
<b>PHYSICAL ENVIRONMENT</b>			
<b>Air and Water Quality</b>	Air pollution - particulate matter <sup>1</sup> (125)	CDC WONDER	2011
	Drinking water violations (124)	Safe Drinking Water Information System	FY 2013-2014
<b>Housing and Transit</b>	Severe housing problems (136)	HUD, Comprehensive Housing Affordability Strategy	2007-2011
	Driving alone to work (67)	American Community Survey	2009-2013
	Long commute – driving alone (137)	American Community Survey	2009-2013

<sup>1</sup> Not available for AK and HI.

## Additional Measures, Data Sources, and Years of Data, 2015

Measure (ID)	Data Source	Years of Data
<b>Demographics</b>		
Population (51)	Census Population Estimates	2013
% below 18 years of age (52)	Census Population Estimates	2013
% 65 and older (53)	Census Population Estimates	2013
% Non-Hispanic African American (54)	Census Population Estimates	2013
% American Indian and Alaskan Native (55)	Census Population Estimates	2013
% Asian (81)	Census Population Estimates	2013
% Native Hawaiian/Other Pacific Islander (80)	Census Population Estimates	2013
% Hispanic (56)	Census Population Estimates	2013
% Non-Hispanic white (126)	Census Population Estimates	2013
% not proficient in English (59)	American Community Survey	2009-2013
% Females (57)	Census Population Estimates	2013
% Rural (58)	Census Population Estimates	2010
<b>Health Outcomes</b>		
Diabetes (60)	CDC Diabetes Interactive Atlas	2011
HIV prevalence (61)	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	2010
Premature age-adjusted mortality (127)	CDC WONDER mortality data	2010-2012
Infant mortality (129)	Health Indicators Warehouse	2004-2010
Child mortality (128)	CDC WONDER mortality data	2009-2012
<b>Health Behaviors</b>		
Food insecurity (139)	Map the Meal Gap	2012
Limited access to healthy foods (83)	USDA Food Environment Atlas	2010
Motor vehicle crash deaths (39)	National Center for Health Statistics	2006-2012
Drug poisoning deaths (138)	CDC WONDER mortality data	2006-2012
<b>Clinical Care</b>		
Uninsured adults (3)	Small Area Health Insurance Estimates	2012
Uninsured children (122)	Small Area Health Insurance Estimates	2012
Health care costs (86)	Dartmouth Atlas of Health Care	2012
Could not see doctor due to cost (87)	Behavioral Risk Factor Surveillance System	2006-2012
Other primary care providers (131)	CMS, National Provider Identification	2014
<b>Social and Economic Environment</b>		
Median household income (63)	Small Area Income and Poverty Estimates	2013
Children eligible for free lunch (65)	National Center for Education Statistics	2011-2012
Homicides (15)	CDC WONDER mortality data	2006-2012