

# COUNTY HEALTH RANKINGS 2012: CODEBOOK FOR ANALYTIC DATASETS

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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\_2012."

## 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:** Three 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

For these measures, we report a ratio of population:number 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.)

**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)**

## 2012 Measures & Data Sources

	Measure	Data Source	Years of Data
<b>HEALTH OUTCOMES</b>			
Mortality	Premature death (1)	National Center for Health Statistics	2006-2008
Morbidity	Poor or fair health (2)	Behavioral Risk Factor Surveillance System	2004-2010
	Poor physical health days (36)	Behavioral Risk Factor Surveillance System	2004-2010
	Poor mental health days (42)	Behavioral Risk Factor Surveillance System	2004-2010
	Low birthweight (37)	National Center for Health Statistics	2002-2008
<b>HEALTH FACTORS</b>			
<b>HEALTH BEHAVIORS</b>			
Tobacco Use	Adult smoking (9)	Behavioral Risk Factor Surveillance System	2004-2010
Diet and Exercise	Adult obesity (11)	CDC Diabetes Interactive Atlas	2009
	Physical Inactivity	CDC Diabetes Interactive Atlas	2009
Alcohol Use	Excessive drinking (49)	Behavioral Risk Factor Surveillance System	2004-2010
	Motor vehicle crash deaths (39)	National Center for Health Statistics	2002-2008
Sexual Activity	Sexually transmitted infections (45)	National Center for Hepatitis, HIV, STD and TB Prevention	2009
	Teen birth rate (14)	National Center for Health Statistics	2002-2008
<b>CLINICAL CARE</b>			
Access to Care	Uninsured (85)	Small Area Health Insurance Estimates	2009
	Primary care physicians (4)	Health Resources & Services Administration	2009
Quality of Care	Preventable hospital stays (5)	Dartmouth Atlas of Health Care	2009
	Diabetes monitoring (7)	Dartmouth Atlas of Health Care	2009
	Mammography screening (50)	Dartmouth Atlas of Health Care	2009
<b>SOCIAL AND ECONOMIC FACTORS</b>			
Education	High school graduation (21)	National Center for Education Statistics and state-specific sources <sup>1</sup>	2008-2010
	Some college (69)	American Community Survey	2006-2010
Employment	Unemployment (23)	Bureau of Labor Statistics	2010
Income	Children in poverty (24)	Small Area Income and Poverty Estimates	2010
Family and Social Support	Inadequate social support (40)	Behavioral Risk Factor Surveillance System	2006-2010
	Children in single-parent households (82)	American Community Survey	2006-2010
Community Safety	Violent crime rate (43)	Uniform Crime Reporting - FBI	2007-2009
<b>PHYSICAL ENVIRONMENT</b>			
Environmental Quality <sup>2</sup>	Air pollution-particulate matter days (125)	U.S. Environmental Protection Agency	2007
	Air pollution-ozone days (29)	U.S. Environmental Protection Agency	2007
Built Environment	Access to recreational facilities (68)	Census County Business Patterns	2009
	Limited access to healthy foods (83)	U.S. Department of Agriculture	2006
	Access to healthy foods (30)	County Business Patterns	2009
	Fast food restaurants (84)	Census County Business Patterns	2009

<sup>1</sup> NCES used for AK, AL, AR, CA, CT, FL, HI, ID, KY, MT, ND, NJ, OK, SD and TN

<sup>2</sup> Not available for AK and HI.

## Additional Measures, Data Sources, and Years of Data, 2012

Measure (ID)	Data Source	Years of Data
<b>DEMOGRAPHICS</b>		
Population (51)	Census Population Estimates	2009
% below 18 years of age (52)	Census Population Estimates	2009
% 65 and older (53)	Census Population Estimates	2009
% Non-Hispanic African American (54)	Census Population Estimates	2009
% American Indian and Alaskan Native (55)	Census Population Estimates	2009
% Asian (81)	Census Population Estimates	2009
% Native Hawaiian/Other Pacific Islander (80)	Census Population Estimates	2009
% Hispanic (56)	Census Population Estimates	2009
% not proficient in English (59)	American Community Survey, 5-year estimates	2009
% Females (57)	Census Population Estimates	2009
% Rural (58)	Census Population Estimates	2000
<b>HEALTH OUTCOMES</b>		
Diabetes (60)	CDC Diabetes Interactive Atlas	2009
HIV prevalence rate (61)	National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention	2008
<b>CLINICAL CARE</b>		
Mental health providers (62)	Health Resources & Services Administration	2008
Health care costs (86)	Dartmouth Atlas of Health Care	2007
Uninsured adults (3)	Small Area Health Insurance Estimates	2009
Could not see doctor due to cost (87)	Behavioral Risk Factor Surveillance System	2004-2010
Dentists (88)	Health Resources & Services Administration	2007
<b>SOCIAL AND ECONOMIC FACTORS</b>		
Median household income (63)	Small Area Income and Poverty Estimates	2010
High housing costs (64)	American Community Survey, 5-year estimates	2006-2010
Children eligible for free lunch (65)	National Center for Education Statistics	2005-2006
% illiterate (66)	National Center for Education Statistics	2003
Homicide rate (15)	National Center for Health Statistics	2002-2008
<b>PHYSICAL ENVIRONMENT</b>		
Driving alone to work (67)	American Community Survey, 5-year estimates	2006-2010
Access to healthy foods (96) <sup>3</sup>	County Business Patterns	2009

<sup>3</sup> Access to Healthy Foods (2009) from Census Zip Code Business Patterns (rather than County Business Patterns) for AK and HI.