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* measures, both the measures that are ranked as well as the additional 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.

Each measure variable name is coded with a measure ID. You will find at least five variables for each measure.

Measure value coded as measure_(measure id)_value
Numerator coded as measure_(measure id)_numerator
Denominator coded as measure_(measure id)_denominator
Lower bound of 95% confidence interval coded as measure_(measure id)_cilow
Upper bound of 95% confidence interval coded as measure_(measure id)_cihigh

In addition, four variables have a "ratio" variable included:

- Primary care physicians,
- Dentists,
- Mental health providers, and
- Other primary care providers

For these measures, we report a ratio of #number of providers:population 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 value variable), and the *ratio*, included as a text variable. If you are trying to replicate the rankings, you should use the rate rather than the ratio.

Measure values are formatted to match the number of decimal places shown on the website, however, the values have not actually been rounded.

There are five descriptive variables included as well:

1. Statecode = FIPS State Code
2. countycode = FIPS County Code
3. state = State abbreviation
4. county = County name
5. NORANK15 equals 1 when the county was not ranked due to insufficient data. Otherwise norank15 is set to missing.

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

A collaboration between the Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute.

University of Wisconsin
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SCHOOL OF MEDICINE AND PUBLIC HEALTH

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County Health Rankings & Roadmaps
Building a Culture of Health, County by County

2015 Measures & Data Sources

	Measure (ID)	Data Source	Years of Data
HEALTH OUTCOMES			
Length of Life	Premature death (1)	National Center for Health Statistics – Mortality Files	2010-2012
Quality of Life	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
HEALTH FACTORS			
HEALTH BEHAVIORS			
Tobacco Use	Adult smoking (9)	Behavioral Risk Factor Surveillance System	2006-2012
Diet and Exercise	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
Alcohol and Drug Use	Excessive drinking (49)	Behavioral Risk Factor Surveillance System	2006-2012
	Alcohol-impaired driving deaths (134)	Fatality Analysis Reporting System	2009-2013
Sexual Activity	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
CLINICAL CARE			
Access to Care	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
Quality of Care	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
SOCIAL AND ECONOMIC FACTORS			
Education	High school graduation (21)	data.gov, supplemented w/ NCES	2011-2012
	Some college (69)	American Community Survey	2009-2013
Employment	Unemployment (23)	Bureau of Labor Statistics	2013
Income	Children in poverty (24)	Small Area Income and Poverty Estimates	2013
	Income inequality (44)	American Community Survey	2009-2013
Family and Social Support	Children in single-parent households (82)	American Community Survey	2009-2013
	Social associations (140)	County Business Patterns	2012
Community Safety	Violent crime (43)	Uniform Crime Reporting - FBI	2010-2012
	Injury deaths (135)	CDC WONDER	2008-2012
PHYSICAL ENVIRONMENT			
Air and Water Quality	Air pollution - particulate matter [1] (125)	CDC WONDER	2011
	Drinking water violations (124)	Safe Drinking Water Information System	FY 2013-2014
Housing and Transit	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

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[1] Not available for AK and HI.

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

Measure (ID)	Data Source	Years of Data
Demographics		
Population (15)	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
Health Outcomes		
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
Health Behaviors		
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
Clinical Care		
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
Social and Economic Environment		
Median household income (63)	Small Area Income and Poverty Estimates	2013
Children eligible for free lunch (65)	National Center for Education Statistics	2012
Homicides (15)	CDC WONDER mortality data	2006-2012