2025 TRENDS DATA DOCUMENTATION

As described at https://www.countyhealthrankings.org/health-data/measuring-progress-change, trend graphs are available this year for 15 measures. In addition, the SAS and CSV files of the underlying trend data are also available for these measures. This document provides the documentation for these measures. If you have any questions after reading this documentation, please email us at info@countyhealthrankings.org.

File Layout

Yearspan	The years of data this estimate represents
Measurename	The name of the measure
Statecode	The two-digit FIPS code for the state
Countycode	The three-digit FIPS code for the county
County	The name of the county
State	The two-letter abbreviation for the state
Numerator	The measure numerator
Denominator	The measure denominator
Rawvalue	The value of the measure
Cilow	The lower bound of the confidence interval
Cihigh	The upper bound of the confidence interval
Measureid	The County Health Rankings measure identifier
Chrreleaseyear	The County Health Rankings release year the data was included in
Differflag	A flag to indicate that the estimate included in this release differs from the data included in the corresponding Annual Data Release.
Trendbreak	A flag to indicate that the year of the estimate represents the start of a new trend. The data from that point forward should not be used with prior years of data to estimate trends.

County Health
Rankings & Roadmaps

Building a Culture of Health, County by County

Contents

Premature Death

Years of potential life lost before age 75 per 100,000 population (age-adjusted)

What it is

Premature Death is the years of potential life lost before age 75 (YPLL-75). Every death occurring before the age of 75 contributes to the total number of years of potential life lost. For example, a person dying at age 25 contributes 50 years of life lost to a county's YPLL, whereas a person who dies at age 65 contributes 10 years of life. The YPLL measure is presented as a rate per 100,000 population and is age-adjusted to the 2000 US population.

Data System

National Center for Health Statistics – Natality and Mortality Files; Census Population Estimates Program

Measure ID
1
Focus Area
Population Health and Well-being | Length of Life | All
Measure Type
Select
Data Weight (2025)
50%
Comparable Across States
Yes
Release Years Included
2010-2025

What years of data are included in this file?

1997-1999, 1998-2000, 1999-2001, 2000-2002, 2001-2003, 2002-2004, 2003-2005, 2004-2006, 2005-2007, 2006-2008, 2007-2009, 2008-2010, 2009-2011, 2010-2012, 2011-2013, 2012-2014, 2013-2015, 2014-2016, 2015-2017, 2016-2018, 2017-2019, 2018-2020, 2019-2021, 2020-2022

Any age or gender specifications?

Only decedents under age 75

What is the numerator?

The number of years of potential life lost for deaths that occurred amongst people who reside in a county under age 75.

What is the denominator?

The aggregate population under age 75 for the three years. The year 2010 population estimates are April 1 modified census counts, with bridged-race categories. The 2004 - 2009 population estimates are bridged-race revised intercensal estimates of the July 1 resident population, based on the year 2000 and the year 2010 census counts (released by NCHS on 10/26/2012). The 2011 - 2020 population estimates are bridged-race postcensal estimates of the July 1 resident population. The 2019-2021 and 2020-2022 population estimates used in the 2024 and 2025 release, respectively, come from the Census Bureau's Population Estimates Program due to discontinuation of the NCHS bridged-race population estimates.

Is the measure age-adjusted?

Yes

Are there any breaks in the trends for this measure?
Yes, the methods used for population estimates changed with data years 2004-2006 and again with data years 2019-2021. Due to these denominator changes, use caution when comparing this measure across affected years.

Website to download data
https://wonder.cdc.gov/ucd-icd10.html

Online documentation
http://wonder.cdc.gov/wonder/help/ucd.html

Flu Vaccinations

Percentage of fee-for-service (FFS) Medicare enrollees that had an annual flu vaccination

What it is
Flu Vaccinations is the percentage of fee-for-service Medicare enrollees that had an annual flu vaccination.

Data System
Mapping Medicare Disparities Tool

Data Source
Medicare claims data

What years of data are included in this file?
2012-2022

Any age or gender specifications?
Medicare enrollees

Measure ID
155
Focus Area
Community Conditions | Health Infrastructure | Health Promotion and Harm Reduction
Measure Type
Select
Data Weight (2025)
4%
Comparable Across States
Yes
Release Years Included
2019-2025

What is the numerator?
Those who have received the influenza vaccine in the last year. CPT/HCPCS codes are 90630, 90653, 90654, 90655, 90656, 90657, 90660, 90661, 90662, 90672, 90673, 90674, 90685, 90686, 90687, 90688, Q2035, Q2036, Q2037, Q2038, Q2039, G0008.

What is the denominator?
Fee-for-service Medicare enrollees

Is the measure age-adjusted?
Yes

Are there any breaks in the trends for this measure?
No

Website to download data
https://data.cms.gov/mapping-medicare-disparities

Online documentation
https://www.cms.gov/About-CMS/Agency-Information/OMH/Downloads/Mapping-Technical-Documentation.pdf

Uninsured

Percentage of population under age 65 without health insurance

What it is

Uninsured is the percentage of the population under age 65 that has no health insurance coverage. The Small Area Health Insurance Estimates uses the American Community Survey (ACS) definition of insured: Is this person CURRENTLY covered by any of the following types of health insurance or health coverage plans: Insurance through a current or former employer or union, insurance purchased directly from an insurance company, Medicare, Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes or a disability, TRICARE or other military health care, Indian Health Services, VA or any other type of health insurance or health coverage plan?

Measure ID
85
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Select
Data Weight (2025)
4%
Comparable Across States
Yes
Release Years Included
2012-2025

Data System

Small Area Health Insurance Estimates

Data Sources

Multiple sources including ACS, tax returns, SNAP data, Medicaid, and Census.

What years of data are included in this file?

2008-2022

Any age or gender specifications?

Under 65 years

What is the numerator?

The number of people currently uninsured in the county under the age of 65

What is the denominator?

The number of people in the county under age 65

Is the measure age-adjusted?

No

Are there any breaks in the trends for this measure?

No

Website to download data
https://www.census.gov/data/datasets/time-series/demo/sahie/estimates-acs.html

Online documentation
https://www.census.gov/programs-surveys/sahie/technical-documentation/methodology.html

Primary Care Physicians

Ratio of population to primary care physicians

What it is
Primary Care Physicians is the ratio of the county population to total number of primary care physicians in the county. Primary care physicians include non-federal, practicing physicians (M.D.'s and D.O.'s) under age 75 specializing in general practice medicine, family medicine, internal medicine, and pediatrics.

Data System
Area Health Resources Files/American Medical Association

Data Source
American Medical Association Physician Masterfiles

What years of data are included in this file?
2010-2021

Any age or gender specifications?
Physicians under age 75

What is the numerator?
The total number of non-federal primary care physicians under age 75 in a county. Primary care physicians include M.D.'s and D.O.'s. Primary Care includes: General Family Medicine, General Practice, General Internal Medicine and General Pediatrics. Subspecialties within these specialties are excluded.

What is the denominator?
The total resident population of a county obtained from the Vintage Census population estimates

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://data.hrsa.gov/data/download

Online documentation
https://data.hrsa.gov/data/download (expand Area Health Resources Files and click on Technical documentation)

Measure ID
4
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Select
Data Weight (2025)
2%
Comparable Across States
Yes
Release Years Included
2013-2024

Dentists

Ratio of population to dentists

What it is
Dentists is the ratio of the county population to the total number of dentists in the county.

Data System
Area Health Resources Files/National Provider Identification file

Data Source
National Provider Identification file

What years of data are included in this file?
2010-2022

Any age or gender specifications?
No

What is the numerator?
The number of dentists with National Provider Identification

What is the denominator?
The total resident population of a county obtained from the Vintage Census population estimates

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://data.hrsa.gov/data/download

Online documentation
https://data.hrsa.gov/data/download (expand Area Health Resources Files and click on Technical documentation)

Measure ID
88
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Select
Data Weight (2025)
1%
Comparable Across States
Yes
Release Years Included
2013-2024

Preventable Hospital Stays

Number of hospital stays for ambulatory-care sensitive conditions per 100,000 Medicare enrollees

What it is
Preventable Hospital Stays is the hospital discharge rate for ambulatory care-sensitive conditions per 100,000 fee-for-service Medicare enrollees.

Data System
Mapping Medicare Disparities Tool

Data Source
Medicare claims data

What years of data are included in this file?
2012-2022

Any age or gender specifications?
Medicare enrollee

Measure ID
5
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Select
Data Weight (2025)
4%
Comparable Across States
Yes
Release Years Included
2019-2025

What is the numerator?
The numerator is the number of discharges, for Medicare fee-for-service enrollees ages 18 and older, hospitalized for any of the following reasons: convulsions, chronic obstructive pulmonary disease, bacterial pneumonia, asthma, congestive heart failure, hypertension, angina, cellulitis, diabetes, gastroenteritis, kidney/urinary infection, and dehydration.

What is the denominator?
100% of Medicare enrollees with full Part A entitlement and no HMO enrollment during the measurement period.

Is the measure age-adjusted?
Yes

Are there any breaks in the trends for this measure?
No

Website to download data
https://data.cms.gov/mapping-medicare-disparities

Online documentation
https://www.cms.gov/About-CMS/Agency-Information/OMH/Downloads/Mapping-Technical-Documentation.pdf

Mammography Screening

Percentage of female Medicare enrollees ages 65-74 that received a mammography screening

What it is
Mammography Screening is the percentage of female fee-for-service Medicare enrollees age 65-74 that had at least one mammogram over a two-year period.

Data System
Mapping Medicare Disparities Tool

Data Source
Medicare claims data

What years of data are included in this file?
2012-2022

Any age or gender specifications?
Females ages 65-74

Measure ID
50
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Select
Data Weight (2025)
1%
Comparable Across States
Yes
Release Years Included
2019-2025

What is the numerator?
Females ages 65-74 that have had a mammogram in the last year. CPT/HCPCS codes are 77052, 77057, 77063, G0202.

What is the denominator?
Female fee-for-service Medicare enrollees, non-HMO, age 65-74

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://data.cms.gov/mapping-medicare-disparities

Online documentation
https://www.cms.gov/About-CMS/Agency-Information/OMH/Downloads/Mapping-Technical-Documentation.pdf

Unemployment

Percentage of population ages 16 and older unemployed but seeking work

What it is
Unemployment is the percentage of the civilian labor force, age 16 and older, that is unemployed but seeking work.

Data System
Bureau of Labor Statistics

Data Source
Current population Survey (CPS), the Current Employment Statistics (CES) survey, and the UI system

What years of data are included in this file?
2002-2023

Any age or gender specifications?
Age 16 and older

Measure ID
23
Focus Area
Community Conditions | Social & Economic Factors | Income, Employment, & Wealth
Measure Type
Select
Data Weight (2025)
8%
Comparable Across States
Yes
Release Years Included
2010-2025

What is the numerator?
The total number of people in the civilian labor force, age 16 and older, that is unemployed but seeking work

What is the denominator?
The total number of people in the civilian labor force, age 16 and older

- Civilian labor force: Includes all persons in the civilian noninstitutional population classified as either employed or unemployed (see the definition below).
- Employed persons: Includes all persons who, during the reference week (the week including the 12th day of the month), (a) did any work as paid employees, worked in their own business or profession or on their own farm, or worked 15 hours or more as unpaid workers in an enterprise operated by a member of their family, or (b) were not working but who had jobs from which they were temporarily absent because of vacation, illness, bad weather, childcare problems, maternity or paternity leave, labor-management dispute job training, or other family or personal reasons, whether or not they were paid for the time off or were seeking other jobs. Each employed person is counted only once, even if he or she holds more than one job.

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
http://www.bls.gov/lau/tables.htm

Online documentation
http://www.bls.gov/lau/publications.htm

Children in Poverty

Percentage of children under age 18 in poverty

What it is
Children in Poverty is the percentage of children under age 18 that are living below the Federal Poverty Line (FPL). Poverty status is defined by family; either everyone in the family is in poverty or no one in the family is in poverty. The characteristics of the family used to determine the poverty threshold are: number of people, number of related children under 18, and whether or not the primary householder is over age 65. Family income is then compared to the poverty threshold; if that family's income is below that threshold, the family is in poverty. For more information, please see Poverty Definition and/or Poverty.

Data System
Small Area Income and Poverty Estimates

Data Source
Single-year county-level observations from the American Community Survey

What years of data are included in this file?
2002-2023

Any age or gender specifications?
Children under the age of 18

What is the numerator?
Number of people under age 18 living in a household whose income is below the poverty level

What is the denominator?
Number of people under age 18

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
Yes, data from 2005-2023 are based on the American Community Survey, while data from 2002-2004 were derived from the Current Population Survey.

Measure ID
24
Focus Area
Community Conditions | Social & Economic Factors | Income, Employment, & Wealth
Measure Type
Select
Data Weight (2025)
8%
Comparable Across States
Yes
Release Years Included
2010-2025

Website to download data

https://www.census.gov/data/datasets/2019/demo/saipe/2019-state-and-county.html

Online documentation
https://www2.census.gov/programs-surveys/saipe/technical-documentation/file-layouts/state-county/2019-estimate-layout.txt

Air Pollution - Particulate Matter

Average daily density of fine particulate matter in micrograms per cubic meter (PM$_{2.5}$)

What it is

Air Pollution – Particulate Matter is the average daily density of fine particulate matter in micrograms per cubic meter (PM$_{2.5}$) in a county. Fine particulate matter is defined as particles of air pollutants with an aerodynamic diameter less than 2.5 micrometers. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries and automobiles react in the air.

Data System

Environmental Public Health Tracking Network

Data Source

CDC National Environmental Public Health Tracking Network

What years of data are included in this file?

2002-2020

Any age or gender specifications?

No

Are there any breaks in the trends for this measure?

No

Website to download data

https://ephtracking.cdc.gov/DataExplorer/

Online documentation

https://ephtracking.cdc.gov/DataExplorer/ (After choosing the appropriate data and years of data to display, click the green About Data button)

Measure ID
125
Focus Area
Community Conditions | Physical Environment | Air, Water, & Land
Measure Type
Select
Data Weight (2025)
8%
Comparable Across States
Yes
Release Years Included
2013-2025

Alcohol-Impaired Driving Deaths

Percentage of driving deaths with alcohol involvement

What it is
Alcohol-Impaired Driving Deaths is the percentage of motor vehicle crash deaths with alcohol involvement.

Data System
Fatality Analysis Reporting System

Data Source
National Highway Traffic Safety Administration

What years of data are included in this file?
2008-2022

Any age or gender specifications?
No

What is the numerator?
The total number of alcohol-impaired motor vehicle crash deaths

What is the denominator?
The total number of motor vehicle crash deaths

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://www.nhtsa.gov/file-downloads?p=nhtsa/downloads/FARS/

Online documentation
http://www.nhtsa.gov/FARS

Measure ID
134
Focus Area
Community Conditions | Health Infrastructure | Health Promotion and Harm Reduction
Measure Type
Additional
Data Weight (2025)
N/A
Comparable Across States
Yes
Release Years Included
2014-2025

Sexually Transmitted Infections

Number of newly diagnosed chlamydia cases per 100,000 population

What it is
Sexually Transmitted Infections (STI) is measured as the chlamydia incidence (number of new cases reported) per 100,000 population.

Data System
National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention

Data Source
Reportable diseases from hospitals and clinics

What years of data are included in this file?
2007-2022

Any age or gender specifications?
No

What is the numerator?
Number of reported cases of chlamydia

What is the denominator?
Total population, provided by NCHS

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://gis.cdc.gov/grasp/nchhstpatlas/main.html?value=atlas

Online documentation
https://gis.cdc.gov/grasp/nchhstpatlas/main.html?value=atlas (click on technical notes)

Measure ID
45
Focus Area
Community Conditions | Health Infrastructure | Health Promotion and Harm Reduction
Measure Type
Additional
Data Weight (2025)
N/A
Comparable Across States
With Caution
Release Years Included
2010-2025

Uninsured Adults

Percentage of adults under age 65 without health insurance

What it is
Uninsured Adults is the percentage of the population ages 18 to 65 that has no health insurance coverage in a given county. The Small Area Health Insurance Estimates uses the American Community Survey (ACS) definition of insured: Is this person CURRENTLY covered by any of the following types of health insurance or health coverage plans: Insurance through a current or former employer or union, insurance purchased directly from an insurance company, Medicare, Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes or a disability, TRICARE or other military health care, Indian Health Services, VA or any other type of health insurance or health coverage plan.

Data System
Small Area Health Insurance Estimates

Data Sources
Multiple sources including ACS, tax returns, SNAP data, Medicaid, and Census

What years of data are included in this file?
2008-2022

Any age or gender specifications?
18 to 65 years

What is the numerator?
The number of adults currently uninsured in the county under the age of 65

What is the denominator?
The number of adults in the county under age 65

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://www.census.gov/programs-surveys/sahie/data/datasets.html

Measure ID
3
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Additional
Data Weight (2025)
N/A
Comparable Across States
Yes
Release Years Included
2012-2025

Online documentation
https://www.census.gov/programs-surveys/sahie/technical-documentation.html

Uninsured Children

Percentage of children under age 18 without health insurance

What it is
Uninsured Children is the percentage of the population under age 18 that has no health insurance coverage in a given county. The Small Area Health Insurance Estimates uses the American Community Survey (ACS) definition of insured: Is this person CURRENTLY covered by any of the following types of health insurance or health coverage plans: Insurance through a current or former employer or union, insurance purchased directly from an insurance company, Medicare, Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes or a disability, TRICARE or other military health care, Indian Health Services, VA or any other type of health insurance or health coverage plan.

Data System
Small Area Health Insurance Estimates

Data Sources
Multiple sources including ACS, tax returns, SNAP data, Medicaid, and Census

What years of data are included in this file?
2008-2022

Any age or gender specifications?
Under age 18

What is the numerator?
The number of children currently uninsured in the county

What is the denominator?
The number of children in the county

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://www.census.gov/programs-surveys/sahie/data/datasets.html

Measure ID
122
Focus Area
Community Conditions | Health Infrastructure | Clinical Care
Measure Type
Additional
Data Weight (2025)
N/A
Comparable Across States
Yes
Release Years Included
2013-2025

Online documentation
https://www.census.gov/programs-surveys/sahie/technical-documentation.html

School Funding Adequacy

Average gap in dollars between actual and required spending per pupil among public school districts

What it is
School Funding Adequacy is the average gap in dollars between actual and required spending per pupil among public school districts. Required spending is an estimate of dollars needed to achieve U.S. average test scores in each district.

Data System
School Finance Indicators Database

Data Source
National Education Cost Model

What years of data are included in this file?
2009-2022

Any age or gender specifications?
No

Is the measure age-adjusted?
No

Are there any breaks in the trends for this measure?
No

Website to download data
https://www.schoolfinancedata.org/download-data/

Online documentation
https://www.schoolfinancedata.org/download-data/

Measure ID
169
Focus Area
Community Conditions | Social & Economic Factors | Education
Measure Type
Additional
Data Weight (2025)
N/A
Comparable Across States
Yes
Release Years Included
2022-2025