# Iowa County Health Snapshot Series

*99 county reports prepared for the Iowa State University Extension and Outreach Community and Economic Development Unit*



May 2024

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# Iowa County Health Snapshot Series

## Table of contents

# Health in Union County: Overview

Dear Community Members & Stakeholders of Union County,

We are pleased to share the Iowa County Health Snapshot series, a set of reports designed in partnership with Iowa State University's Community Economic Development to assess the overall landscape of health and well-being across Iowa's 99 counties. The following pages include the health snapshot for your county. The snapshot can be used to see how Union County ranks across various health measures compared to the rest of the state and similarly-sized counties. This comparison allows us to identify Union County's strengths and opportunities for growth by leveraging data from the Centers for Disease Control and Prevention PLACES dataset.

The report includes 37 health measures organized topically by general health status, risky behavior, health outcomes, prevention, and disability. We provide a general overview of each health topic, followed by a description of each health measure. Health measure descriptions include crude and age-adjusted rates and a ranking that tells you how your county ranks compared to all Iowa counties and counties of similar size to Union County. Crude rates tell you the raw, un-adjusted percent of the population experiencing the health measure. Age-adjusted rates account for the age distribution present in your county and presents what the rate would be if your county had a standard age distribution. Crude rates can provide a general comparison between counties and age-adjusted rates can give a fairer comparison between counties with different age structures.

## Strengths

Take a look at the top strengths of your county! Below are unadjusted and age-adjusted health measures that represent your county's strengths. We recommend using continued investment in these areas to maintain them as strengths, as well as building on them to improve in other health domains.

| Crude | | | Age-Adjusted | | |
|---|---|---|---|---|---|
| Health Domain | Statewide County Rank | Rural County Rank | Health Domain | Statewide County Rank | Rural County Rank |
| Binge Drinking | 28th | 23rd | Binge Drinking | 13th | 5th |
| High Cholesterol | 28th | 10th | Cancer (except skin) | 26th | 14th |
| Obesity | 37th | 19th | Taking BP Medication | 28th | 15th |
| Cancer (except skin) | 37th | 14th | Annual Checkup | 28th | 11th |
| Diabetes | 39th | 19th | Mammography | 40th | 19th |

## Opportunities

Below are health measures that represent potential areas for growth in your county. We recommend increasing investment in these areas to support community health and well-being.

| Crude | | | Age-Adjusted | | |
|---|---|---|---|---|---|
| Health Domain | Statewide County Rank | Rural County Rank | Health Domain | Statewide County Rank | Rural County Rank |
| Sleep <7 hours | 91st | 59th | Sleep <7 hours | 93rd | 58th |
| Cholesterol Screening | 79th | 54th | Dental Visit | 76th | 47th |
| Dental Visit | 76th | 47th | Arthritis | 72nd | 47th |
| Mental Health | 67th | 46th | Cholesterol Screening | 70th | 38th |
| All Teeth Lost | 67th | 41st | Cervical Cancer Screening | 68th | 39th |

Please review the rest of the report to learn more about your county and reach out to us with questions about the report or for recommendations to improve the overall health and well-being in Union County.

Sincerely,

*Shawn F. Dorius, PhD*
*Iowa State University*
*Public Science Collaborative*
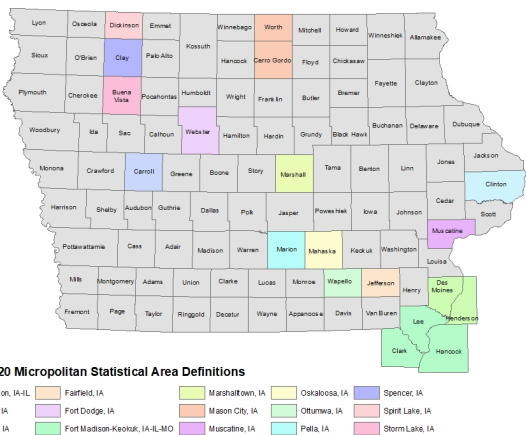
## How to Use this Report

The purpose of the Iowa County Health Snapshot Series is to provide an overview of health in Union County that can be used to help inform health-related interventions and programming. This report contains five sections, including the overall health status of Union County, a review of risky behaviors in the county, and information on various health outcomes, prevention measures, and disability needs. Each section includes an overview of the health domain, a breakdown of its underlying health measures, and data to see how Union County compares to the rest of the state and similarly-sized counties.

With a population of 12,018, Union County's similarly sized counties are defined as rural counties. In Iowa, rural counties have an average population of 12,547, and there are 63 counties that are considered rural counties. To learn more about the county population classifications used in this report, please see the information below the table as well as Appendix 3.

| Group | Population Avg. | Number of Counties |
|---|---|---|
| Metropolitan Core | 175,797 | 9 |
| Micropolitan | 30,839 | 15 |
| Metropolitan Non-Core | 29,821 | 12 |
| Rural | 12,547 | 63 |
| Total | | 99 |

The counties included in each category above are determined by the United States Office of Management and Budget. Iowa has counties in nine metropolitan statistical areas and 15 micropolitan statistical areas. The counties identified as metropolitan and micropolitan can be found in the link and the maps below. Metropolitan core counties are those counties in metropolitan areas that have the city that defines the metropolitan area (e.g., Des Moines and Polk County for the Des Moines Metropolitan Area). Metropolitan non-core counties are those that fall within the metropolitan area, but do not have the core city of the metropolitan area (e.g., Dallas and Jasper Counties in the Des Moines Metropolitan Area).

https://www.icip.iastate.edu/maps/refmaps/cofips



**March 2020 Metropolitan Statistical Area Definitions**

Ames, IA | Des Moines-West Des Moines, IA | Omaha-Council Bluffs, NE-IA
Cedar Rapids, IA | Dubuque, IA | Sioux City, IA-NE-SD
Davenport-Moline-Rock Island, IA-IL | Iowa City, IA | Waterloo-Cedar Falls, IA

**March 2020 Micropolitan Statistical Area Definitions**

Burlington, IA-IL | Fairfield, IA | Marshalltown, IA | Oskaloosa, IA | Spencer, IA
Carroll, IA | Fort Dodge, IA | Mason City, IA | Ottumwa, IA | Spirit Lake, IA
Clinton, IA | Fort Madison-Keokuk, IA-IL-MO | Muscatine, IA | Pella, IA | Storm Lake, IA

**Using Story County as an Example**

The graphic below is an example of the details included for each health measure. The table in the upper right shows your county's crude and age-adjusted rate estimates alongside their averages across all Iowa counties and similarly-sized counties. The images below show the distribution of the health measure across counties. The vertical lines correspond with the values in the table to show the estimate for the specific county compared to counties across the state. The solid black line in each plot represents the county rate, with the dashed lines indicating the average rate for all Iowa counties and the dotted lines showing the average rate for similarly-sized counties.

The table shows rates in your community compared with the state midpoint and the population group

Values in the table are visualized by the vertical lines in the graphs below

The bars in these plots show the number of communities that fall in each value range

The legend shows the meaning of the solid, dashed, and dotted lines

| Measure Type | Story County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 15.9% | 14.1% | 14.8% |
| Age-Adjusted | 14.4% | 15.5% | 14.8% |

**Mental Health**

Crude Rate

Age−Adjusted Rate

Mental health not good for >=14 days among adults aged >=18 years

—— Story County    – – – All Counties (Median)    · · · · · · Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2021

The example graphic above displays the poor mental health rate in Story County, Iowa. The left plot shows the crude rate of poor mental health in the county. Crude rates are the raw, un-adjusted percent of the population experiencing the health measure. Notice how the solid black line is closer to the right of the plot than the dashed and dotted lines; this indicates that Story County has a higher crude rate of poor mental health than most counties in the state. However, the age-adjusted rate plot on the right shows the solid line closer to the peak of the distribution and averages for the state and similarly-sized counties, indicating that when accounting for Story County's unique age distribution, Story County's poor mental health rate is not a significant outlier, and is estimated to be lower than the statewide average. Accounting for crude and age-adjusted rates is critical to help inform health interventions as age-adjusted rates can help contextualize the health measure within the population.

# Health Status

This section reflects measures for overall health, including general, physical, and mental health. These measures are a valuable way to see a simple summary of the health of a country's population. The questions to calculate these measures ask respondents to evaluate their health status. General health is evaluated on a 5-point scale where respondents can report their health status as one of "excellent," "very good," "good," "fair," or "poor," from which the respondents who answer "fair" or "poor" are included in the measure. Physical and mental health are evaluated as the rate of respondents who say they have had 14 or more days in the last 30 days in which their physical or mental health was not good. The URL below includes more information about each variable.

https://www.cdc.gov/places/measure-definitions/health-status/index.html

**Poor General Health**

Union County has a crude rate of 14.9% for fair or poor self-rated health status among adults aged >= 18 years, which ranks 45th out of 99 Iowa counties (20th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 13.5%, which ranks 53rd out of 99 Iowa counties (30th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 14.9% | 15.0% | 15.5% |
| Age-Adjusted | 13.5% | 13.3% | 13.5% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021
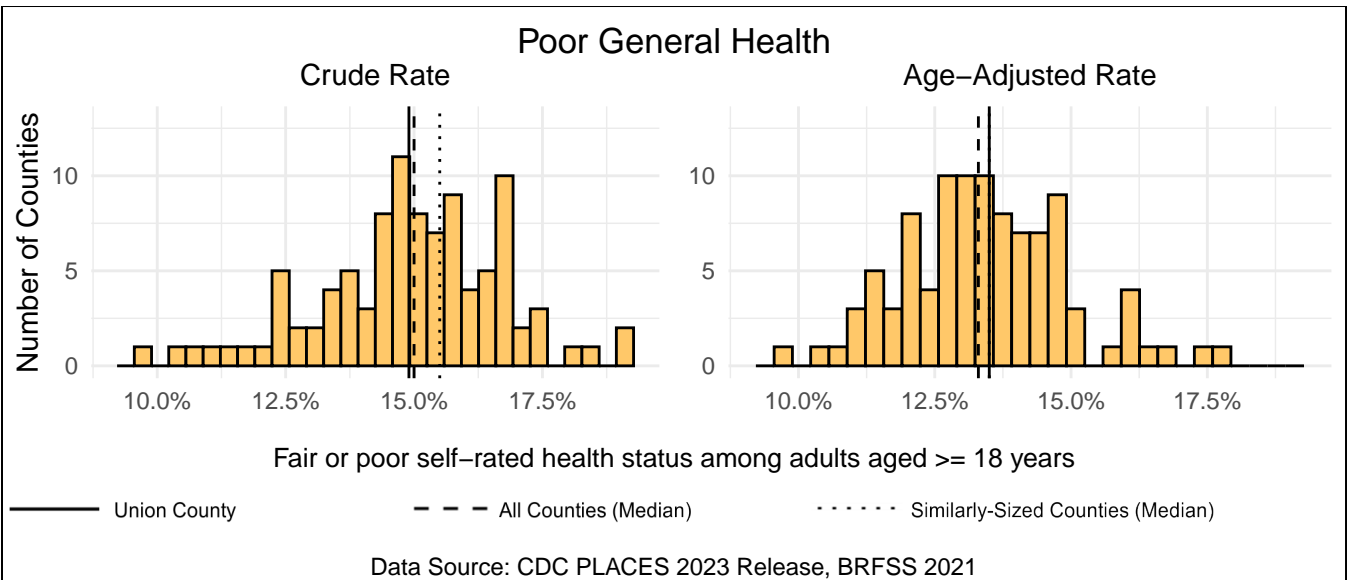
## Poor Physical Health

Union County has a crude rate of 11.0% for physical health not good for >=14 days among adults aged >=18 years, which ranks 41st out of 99 Iowa counties (18th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 10.0%, which ranks 52nd out of 99 Iowa counties (27th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 11.0% | 11.1% | 11.4% |
| Age-Adjusted | 10.0% | 9.9% | 10.1% |



Poor Physical Health
Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Poor Mental Health

Union County has a crude rate of 14.5% for mental health not good for >=14 days among adults aged >=18 years, which ranks 67th out of 99 Iowa counties (46th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 15.8%, which ranks 62nd out of 99 Iowa counties (36th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 14.5% | 14.1% | 14.1% |
| Age-Adjusted | 15.8% | 15.5% | 15.7% |



Poor Mental Health
Data Source: CDC PLACES 2023 Release, BRFSS 2021
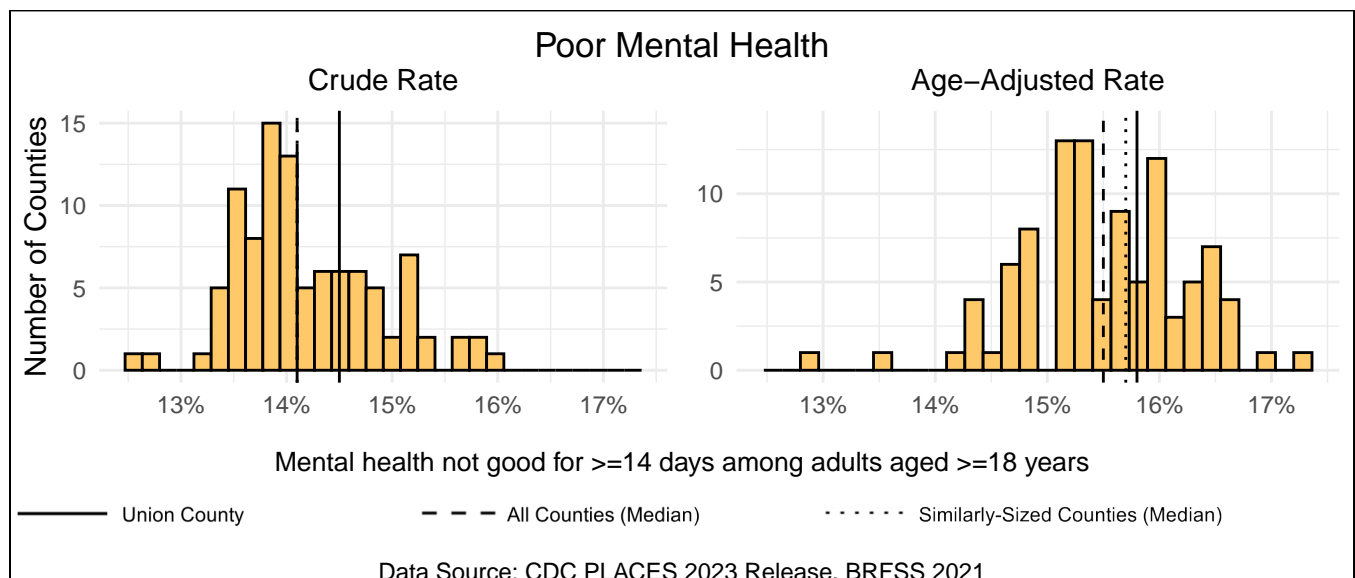
# Health Risk Behaviors

Health risk measures are measures of individual behaviors that can lead to poor health outcomes. These include binge drinking, current smoking, physical inactivity, and getting less than seven hours of nightly sleep. Risk behaviors are the most critical intervention points as they can help save lives and drastically improve health outcomes later in life. Each measure is calculated as the rate of respondents participating in a high level of risk behavior. The exact cutoff points for the behavior depend on the health area. The link below includes more information about each variable.

https://www.cdc.gov/places/measure-definitions/unhealthy-behaviors/index.html

**Binge Drinking**

Union County has a crude rate of 17.9% for binge drinking among adults aged >=18 years, which ranks 28th out of 99 Iowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 20.5%, which ranks 13th out of 99 Iowa counties (5th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 17.9% | 18.5% | 18.1% |
| Age-Adjusted | 20.5% | 21.3% | 21.3% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021
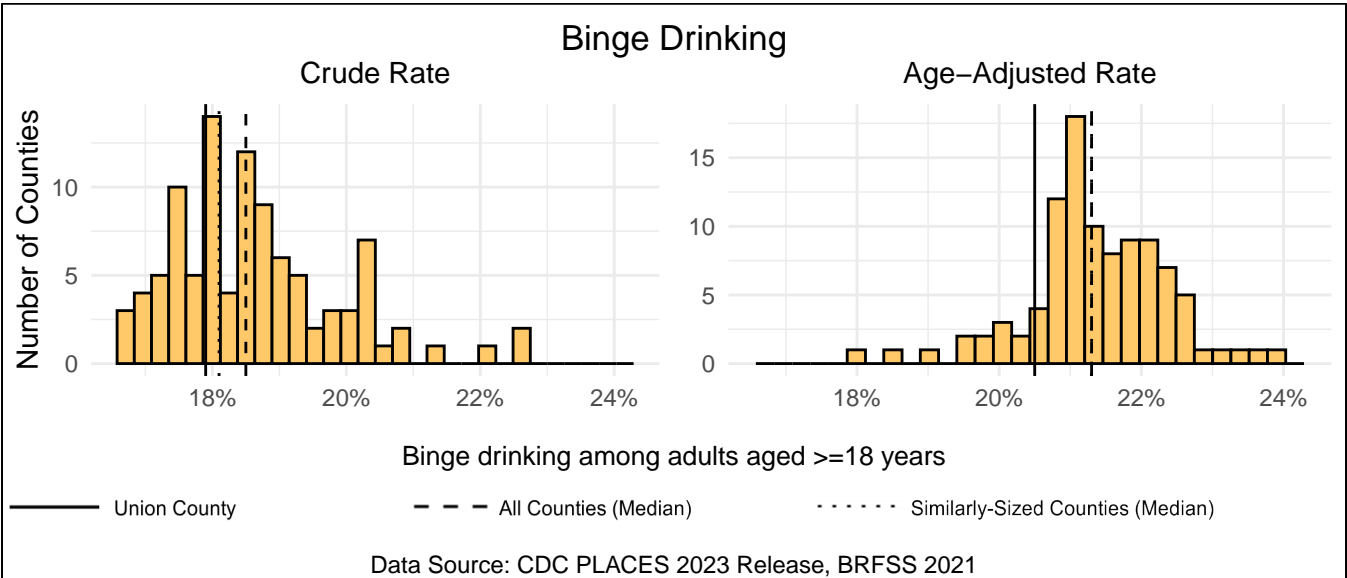
## Current Smoking

Union County has a crude rate of 17.2% for current smoking among adults aged >=18 years, which ranks 63rd out of 99 Iowa counties (37th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 18.5%, which ranks 68th out of 99 Iowa counties (39th out of 63 similarly-sized counties).
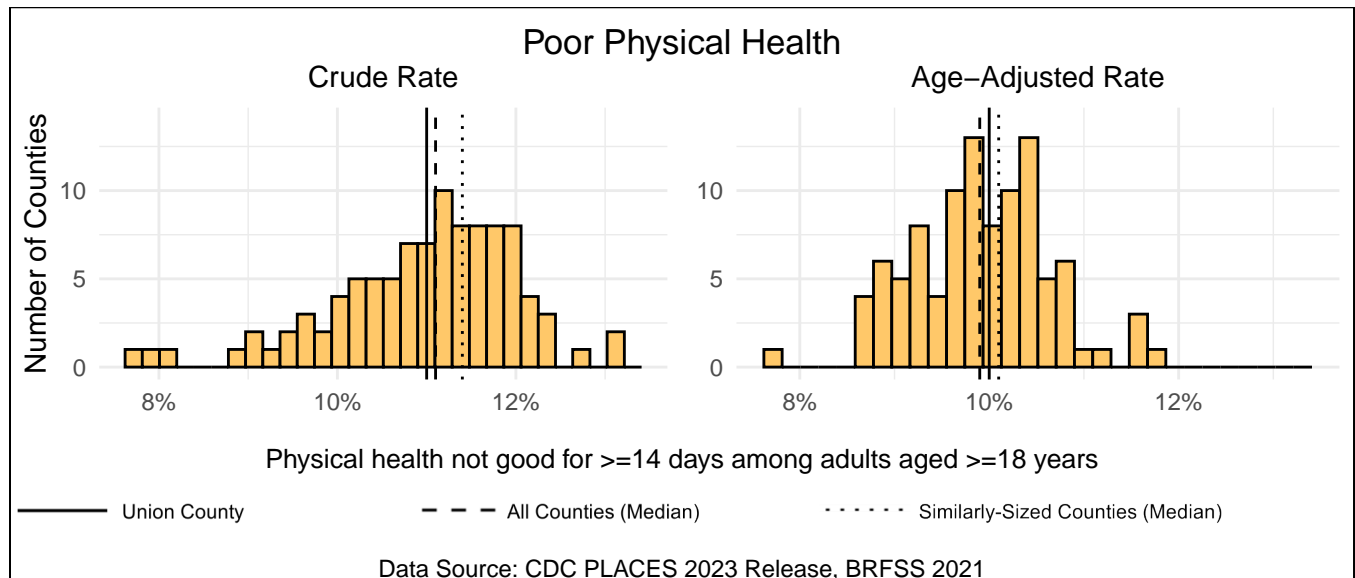
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 17.2% | 16.7% | 16.9% |
| Age-Adjusted | 18.5% | 17.8% | 18.1% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Physical Inactivity

Union County has a crude rate of 26.6% for no leisure-time physical activity among adults aged >=18 years, which ranks 44th out of 99 Iowa counties (22nd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 25.1%, which ranks 48th out of 99 Iowa counties (26th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 26.6% | 26.8% | 27.3% |
| Age-Adjusted | 25.1% | 25.1% | 25.4% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Sleep <7 hours

Union County has a crude rate of 32.2% for sleeping less than 7 hours among adults aged >=18 years, which ranks 91st out of 99 Iowa counties (59th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 33.6%, which ranks 93rd out of 99 Iowa counties (58th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 32.2% | 30.0% | 30.0% |
| Age-Adjusted | 33.6% | 31.4% | 31.5% |



Sleep <7 hours

Crude Rate — Age–Adjusted Rate

Number of Counties

Sleeping less than 7 hours among adults aged >=18 years

Union County ——— All Counties (Median) – – – Similarly-Sized Counties (Median) · · · · · ·

Data Source: CDC PLACES 2023 Release, BRFSS 2020
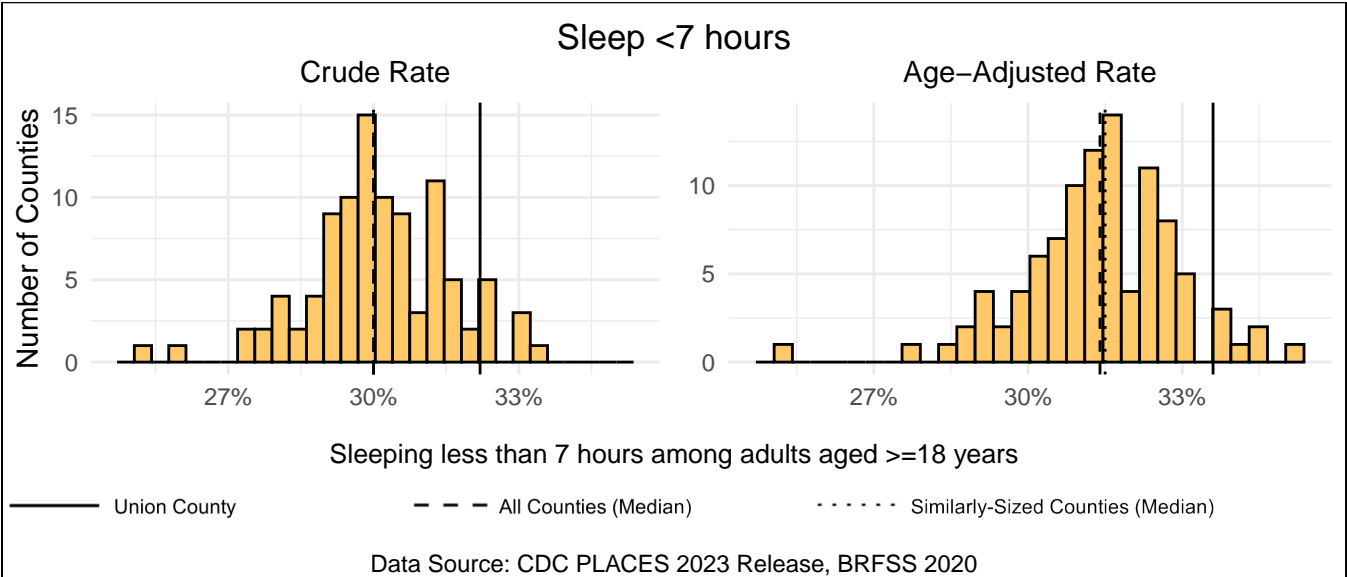
# Health Outcomes

This section includes measures about specific health outcomes such as chronic illness, mental health conditions, and risk factors for future disease. Health outcome measures include but are not limited to arthritis, high blood pressure, cancer, depression, and obesity. Each measure is the percentage of respondents reporting receiving the diagnosis by a doctor, nurse, or other health professional. The link below includes more information about each variable.

https://www.cdc.gov/places/measure-definitions/health-outcomes/index.html

**Arthritis**

Union County has a crude rate of 28.7% for arthritis among adults aged >=18 years, which ranks 43rd out of 99 Iowa counties (19th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 23.7%, which ranks 72nd out of 99 Iowa counties (47th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 28.7% | 28.8% | 29.1% |
| Age-Adjusted | 23.7% | 23.2% | 23.3% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021
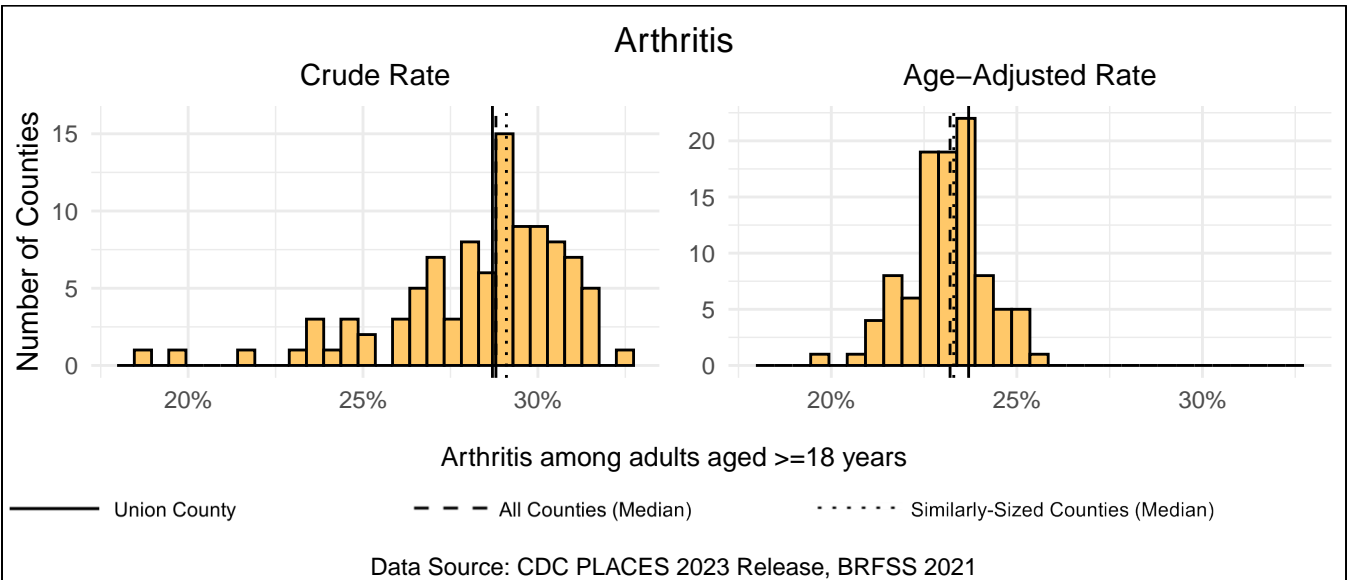
## High Blood Pressure

Union County has a crude rate of 33.7% for high blood pressure among adults aged >=18 years, which ranks 49th out of 99 Iowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 28.4%, which ranks 64th out of 99 Iowa counties (40th out of 63 similarly-sized counties).
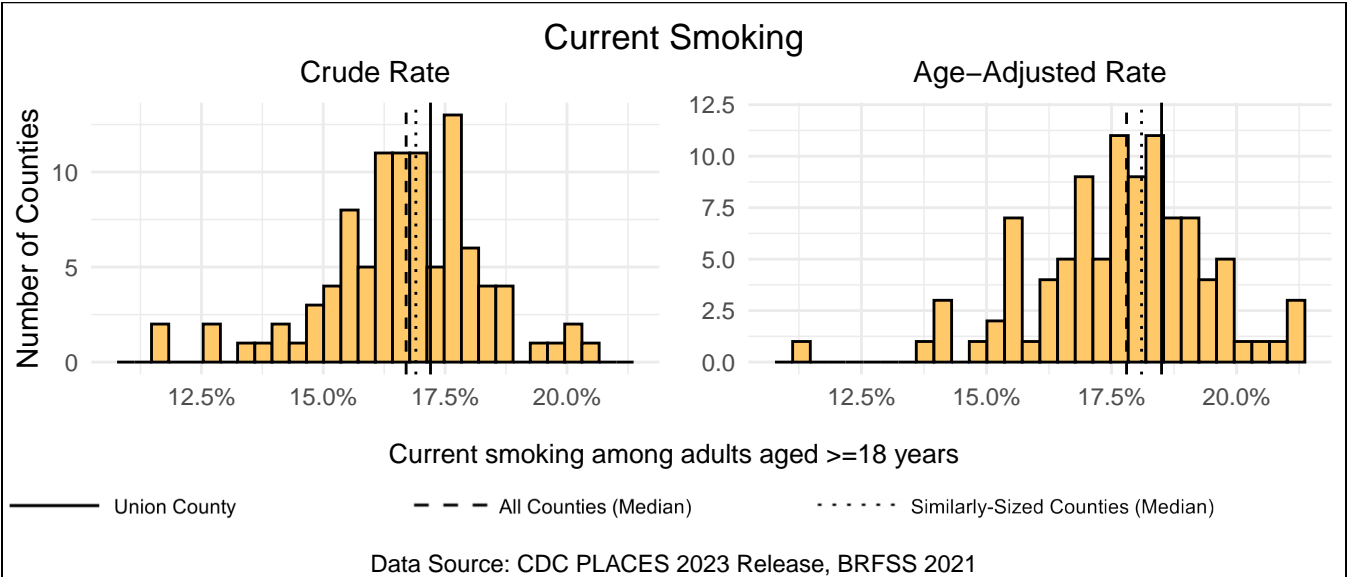
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 33.7% | 33.7% | 34.5% |
| Age-Adjusted | 28.4% | 27.9% | 27.9% |



High Blood Pressure

Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Cancer (except skin)

Union County has a crude rate of 8.3% for cancer (excluding skin cancer) among adults aged >=18 years, which ranks 37th out of 99 Iowa counties (14th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 6.4%, which ranks 26th out of 99 Iowa counties (14th out of 63 similarly-sized counties).
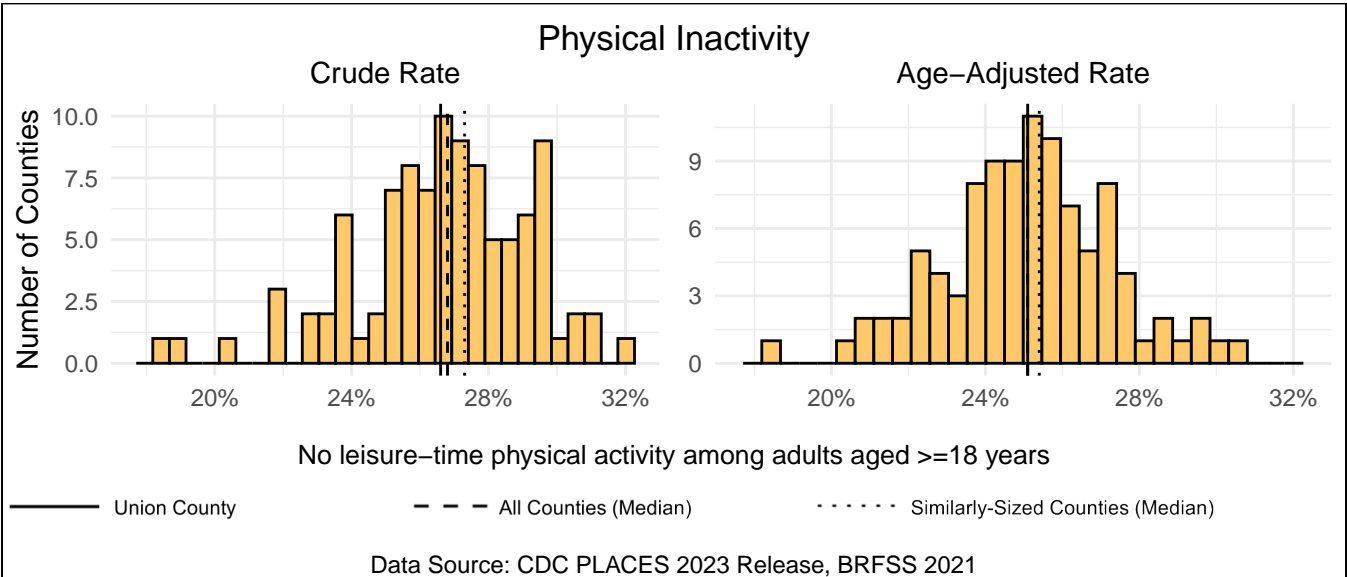
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 8.3% | 8.4% | 8.7% |
| Age-Adjusted | 6.4% | 6.4% | 6.4% |



Cancer (except skin)

Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Current Asthma

Union County has a crude rate of 9.4% for current asthma among adults aged >=18 years, which ranks 64th out of 99 Iowa counties (42nd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 9.6%, which ranks 67th out of 99 Iowa counties (39th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 9.4% | 9.3% | 9.3% |
| Age-Adjusted | 9.6% | 9.5% | 9.5% |



## Coronary Heart Disease

Union County has a crude rate of 7.0% for coronary heart disease among adults aged >=18 years, which ranks 40th out of 99 Iowa counties (15th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 5.2%, which ranks 47th out of 99 Iowa counties (25th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 7.0% | 7.1% | 7.4% |
| Age-Adjusted | 5.2% | 5.2% | 5.2% |

## COPD

Union County has a crude rate of 7.8% for chronic obstructive pulmonary disease among adults aged >=18 years, which ranks 45th out of 99 Iowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 6.5%, which ranks 60th out of 99 Iowa counties (32nd out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 7.8% | 7.9% | 8.2% |
| Age-Adjusted | 6.5% | 6.4% | 6.5% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Depression

Union County has a crude rate of 17.7% for depression among adults aged >=18 years, which ranks 52nd out of 99 Iowa counties (36th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 18.7%, which ranks 48th out of 99 Iowa counties (32nd out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 17.7% | 17.6% | 17.5% |
| Age-Adjusted | 18.7% | 18.7% | 18.7% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Diabetes

Union County has a crude rate of 10.7% for diagnosed diabetes among adults aged >=18 years, which ranks 39th out of 99 Iowa counties (19th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 8.6%, which ranks 46th out of 99 Iowa counties (26th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 10.7% | 11.0% | 11.3% |
| Age-Adjusted | 8.6% | 8.7% | 8.7% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## High Cholesterol

Union County has a crude rate of 36.9% for high cholesterol among adults aged >=18 years who have been screened in the past 5 years, which ranks 28th out of 99 Iowa counties (10th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 29.8%, which ranks 47th out of 99 Iowa counties (28th out of 63 similarly-sized counties).
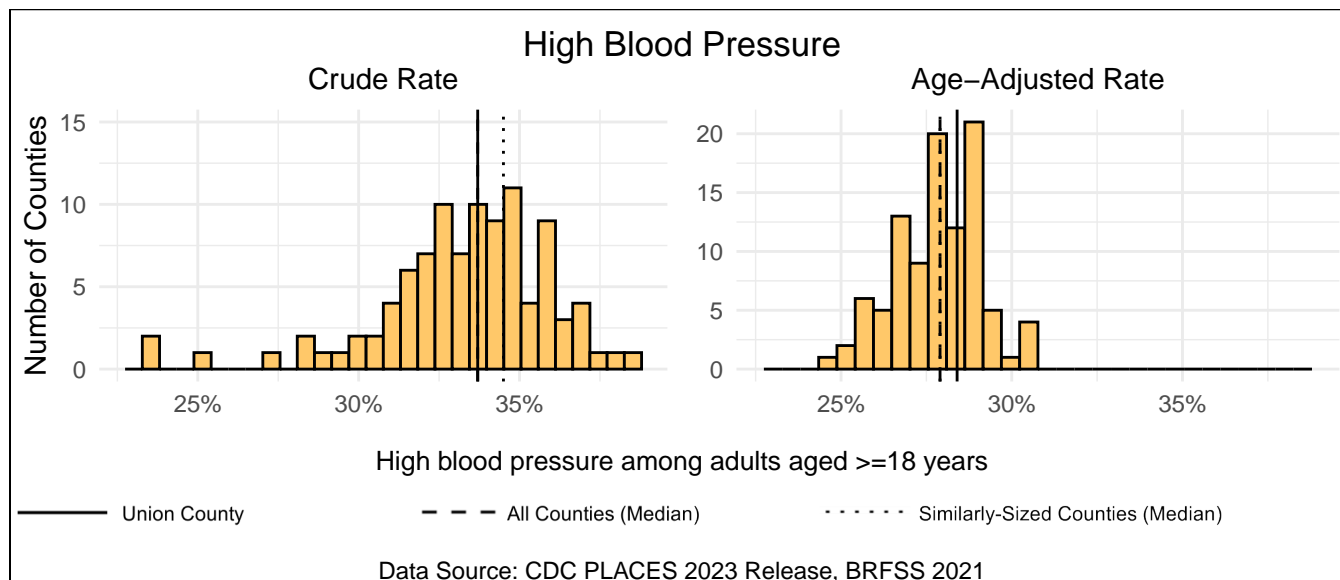
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 36.9% | 37.5% | 37.8% |
| Age-Adjusted | 29.8% | 29.8% | 29.8% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Chronic Kidney Disease

Union County has a crude rate of 3.4% for chronic kidney disease among adults aged >=18 years, which ranks 44th out of 99 Iowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 2.7%, which ranks 49th out of 99 Iowa counties (26th out of 63 similarly-sized counties).
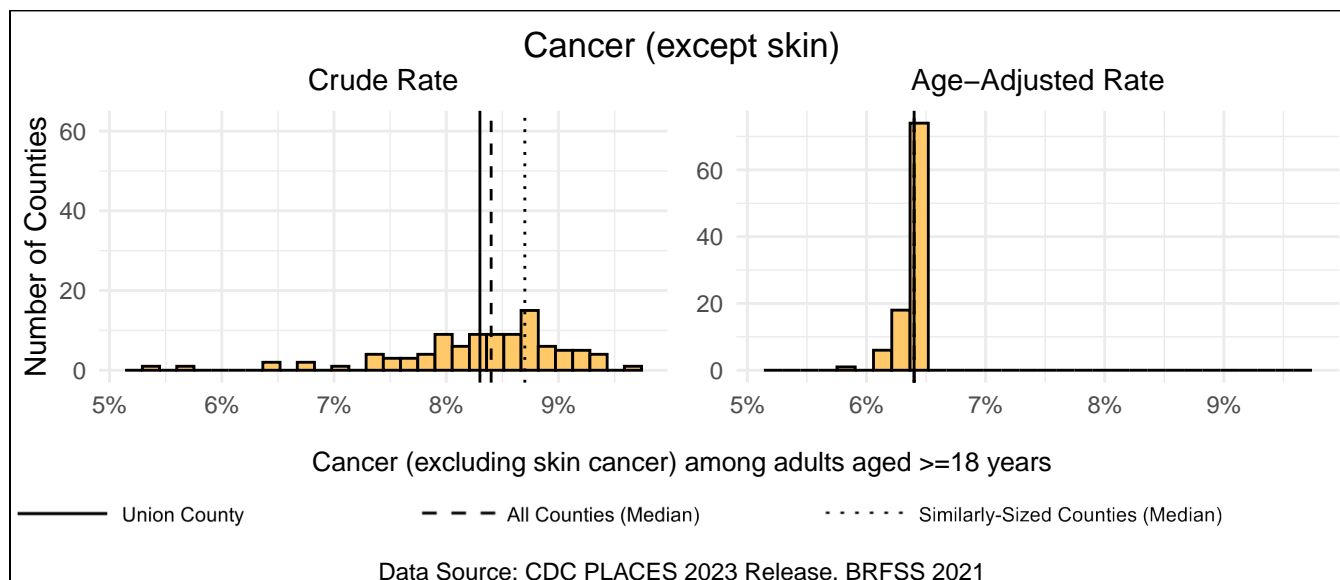
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 3.4% | 3.4% | 3.5% |
| Age-Adjusted | 2.7% | 2.7% | 2.7% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Obesity

Union County has a crude rate of 37.2% for obesity among adults aged >=18 years, which ranks 37th out of 99 Iowa counties (19th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 37.8%, which ranks 45th out of 99 Iowa counties (23rd out of 63 similarly-sized counties).
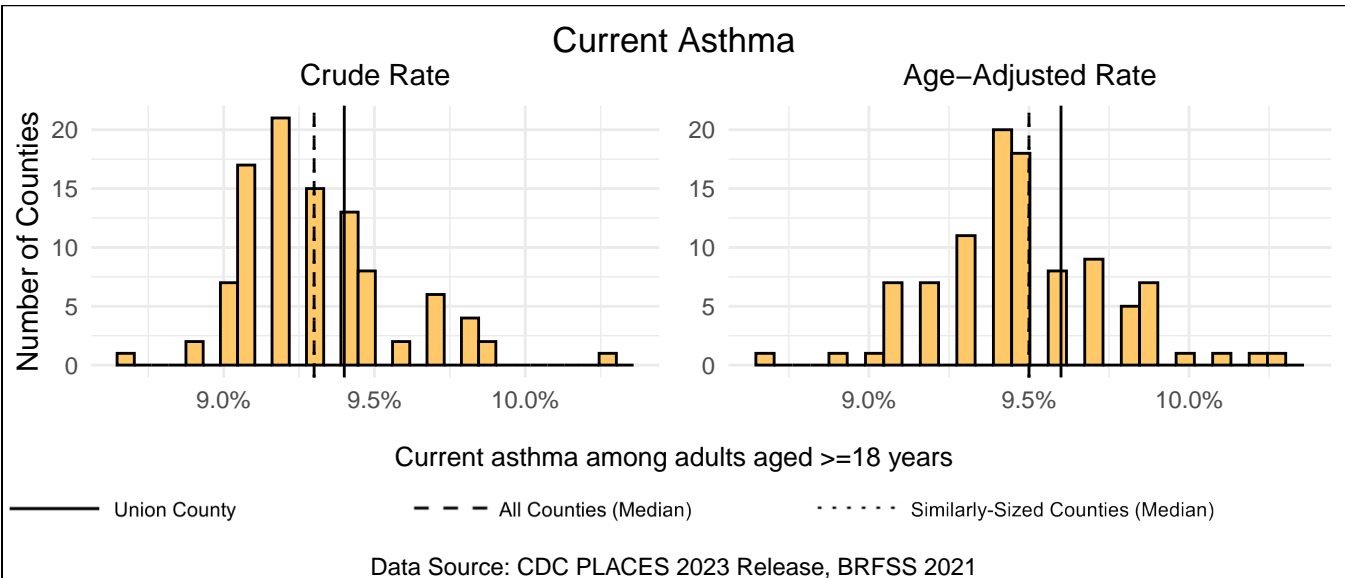
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 37.2% | 37.6% | 37.8% |
| Age-Adjusted | 37.8% | 37.9% | 38.3% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Stroke

Union County has a crude rate of 3.5% for stroke among adults aged >=18 years, which ranks 43rd out of 99 Iowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 2.7%, which ranks 45th out of 99 Iowa counties (23rd out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 3.5% | 3.5% | 3.6% |
| Age-Adjusted | 2.7% | 2.7% | 2.7% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## All Teeth Lost

Union County has a crude rate of 10.9% for all teeth lost among adults aged >=65 years, which ranks 67th out of 99 Iowa counties (41st out of 63 similarly-sized counties). The age-adjusted rate for Union County is 11.7%, which ranks 62nd out of 99 Iowa counties (36th out of 63 similarly-sized counties).
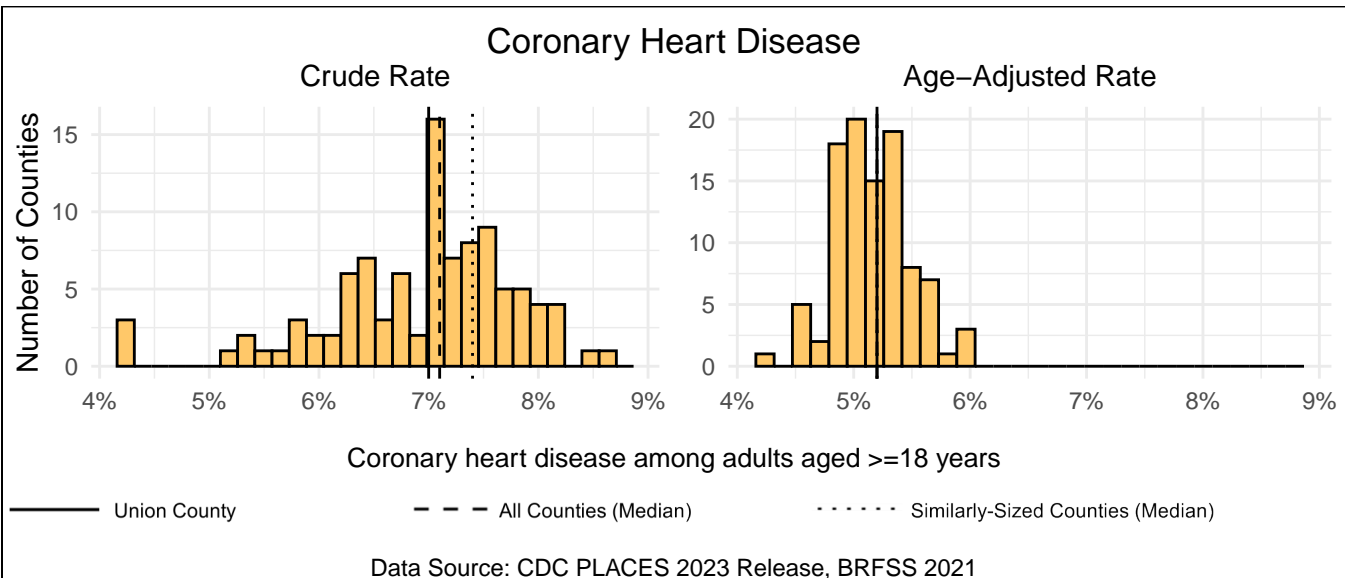
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 10.9% | 10.4% | 10.5% |
| Age-Adjusted | 11.7% | 11.3% | 11.5% |



Data Source: CDC PLACES 2023 Release, BRFSS 2020
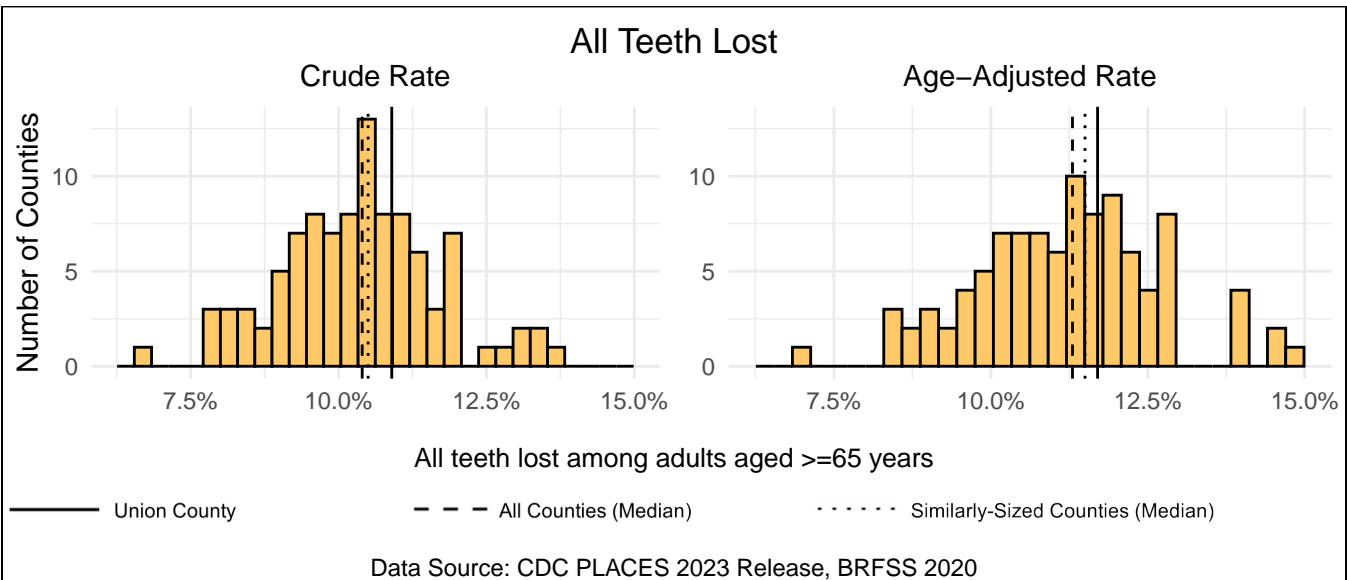
# Prevention

Preventive measures are another practical intervention point for public health professionals as they allow for the early detection of health conditions and improve overall treatment efficacy. This section includes a review of your county's prevention measures, including preventive screenings and doctor visits. Besides the measure for lack of health insurance, all measures in this section are positive, where a higher rate is a strength for your county. The link below includes more information about each variable.

https://www.cdc.gov/places/measure-definitions/prevention/index.html

## Lack of Health Insurance

Union County has a crude rate of 7.9% for current lack of health insurance among adults aged 18–64 years, which ranks 51st out of 99 Iowa counties (30th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 8.3%, which ranks 49th out of 99 Iowa counties (26th out of 63 similarly-sized counties).
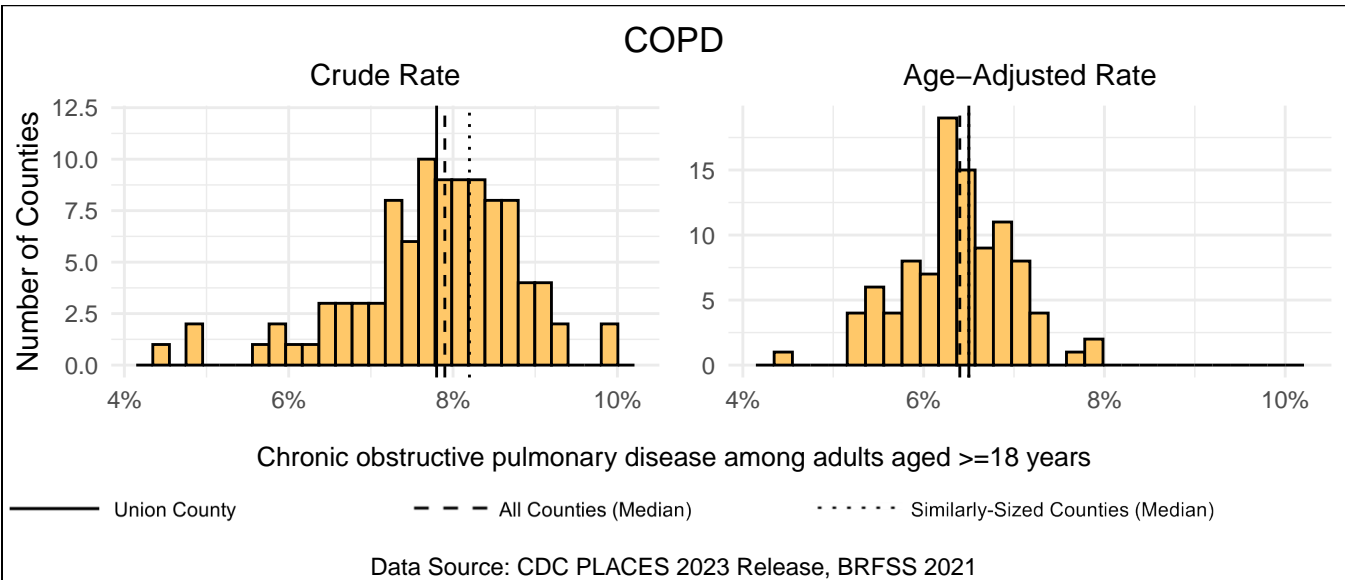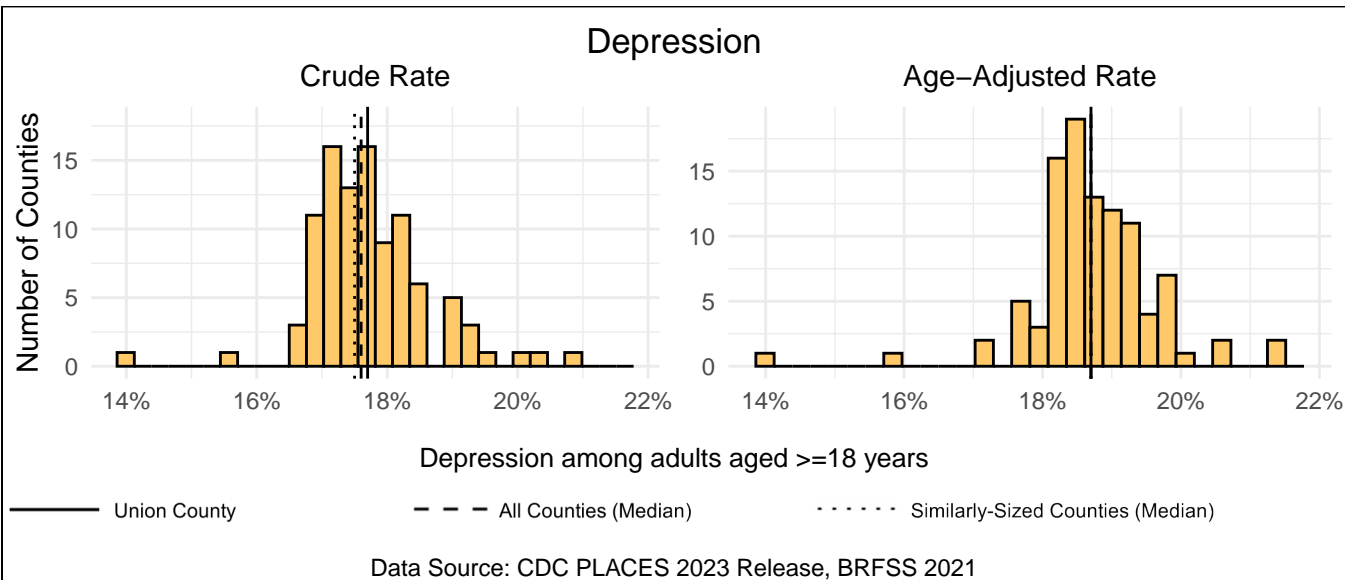
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 7.9% | 7.8% | 8.0% |
| Age-Adjusted | 8.3% | 8.3% | 8.5% |



Lack of Health Insurance — Crude Rate / Age–Adjusted Rate. Current lack of health insurance among adults aged 18–64 years. Union County; All Counties (Median); Similarly-Sized Counties (Median). Data Source: CDC PLACES 2023 Release, BRFSS 2021
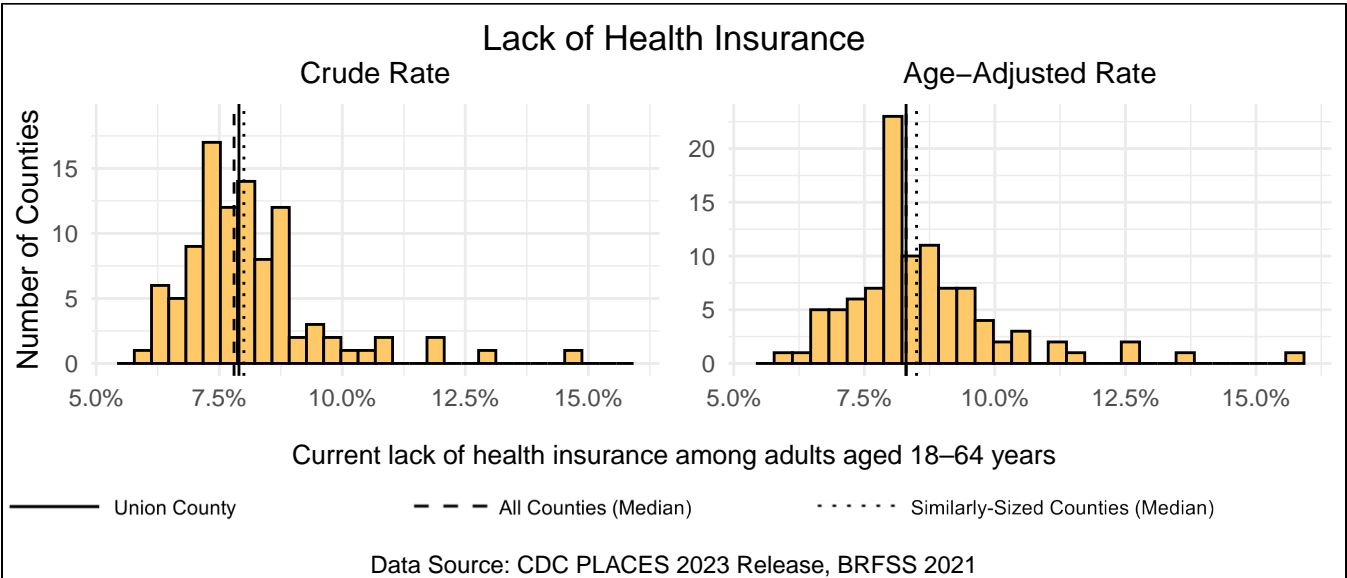
## Taking BP Medication

Union County has a crude rate of 80.7% for taking medicine for high blood pressure control among adults aged >=18 years with high blood pressure, which ranks 52nd out of 99 Iowa counties (44th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 59.7%, which ranks 28th out of 99 Iowa counties (15th out of 63 similarly-sized counties).
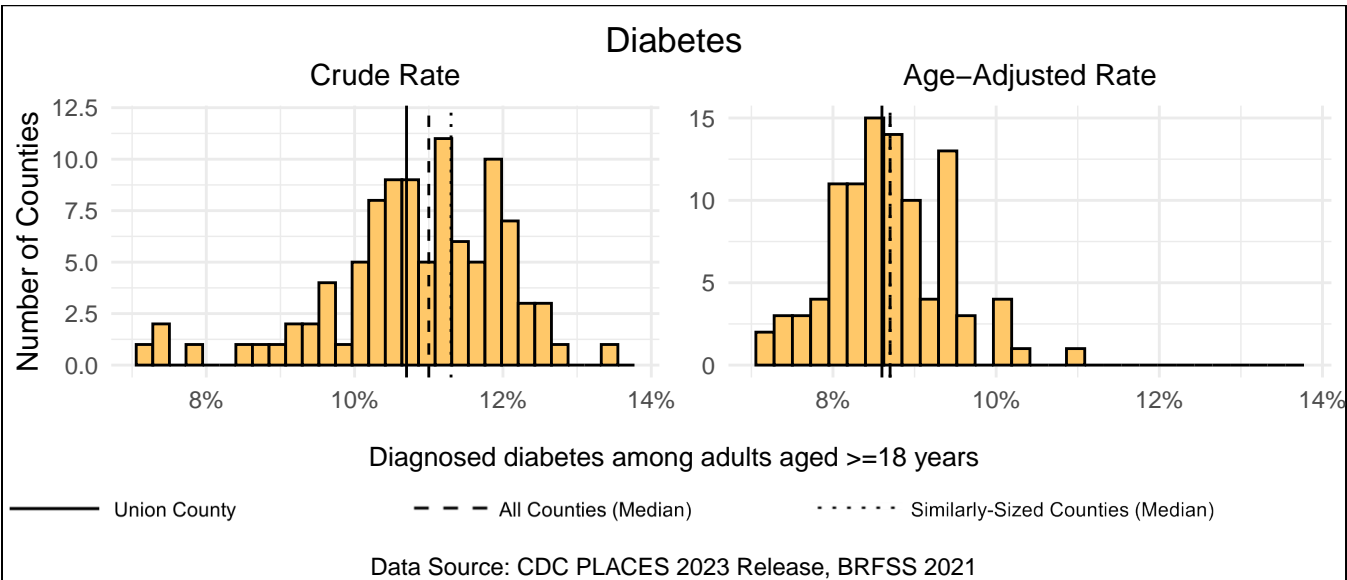
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 80.7% | 80.8% | 81.3% |
| Age-Adjusted | 59.7% | 59.4% | 59.5% |



Taking medicine for high blood pressure control among adults aged >=18 years with high blood pressure

Union County — All Counties (Median) — — Similarly-Sized Counties (Median) · · · · · ·

Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Cervical Cancer Screening

Union County has a crude rate of 81.8% for cervical cancer screening among adult women aged 21–65 years, which ranks 64th out of 99 Iowa counties (38th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 82.4%, which ranks 68th out of 99 Iowa counties (39th out of 63 similarly-sized counties).
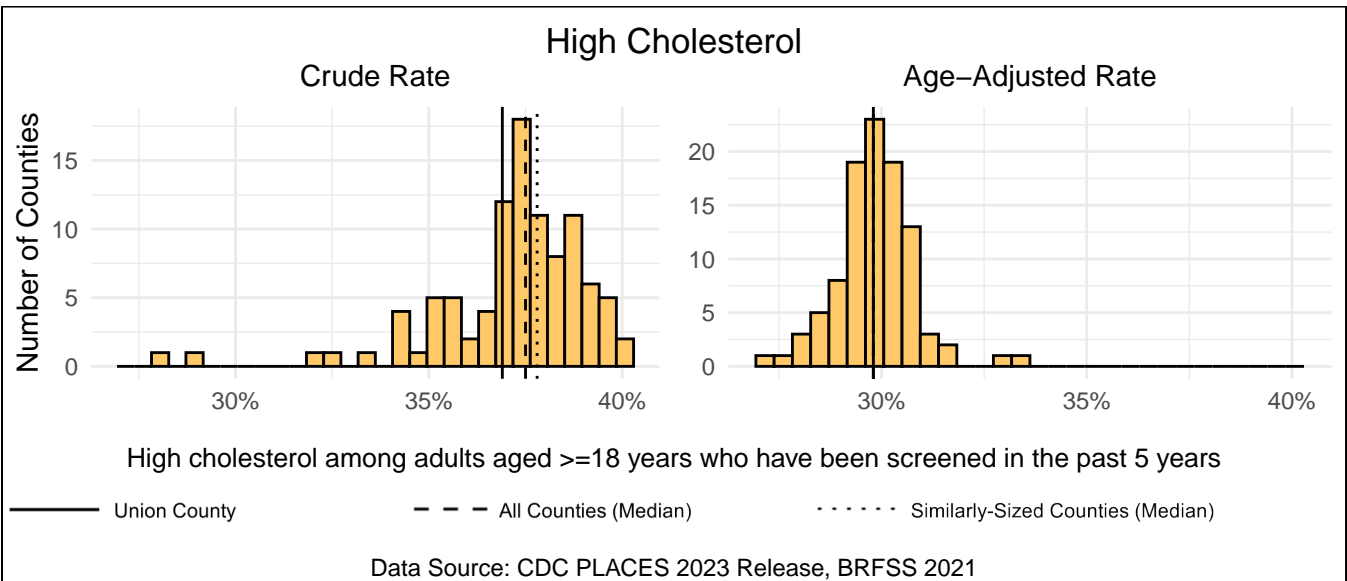
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 81.8% | 82.3% | 82.1% |
| Age-Adjusted | 82.4% | 83.0% | 82.7% |



Cervical cancer screening among adult women aged 21–65 years

Union County — All Counties (Median) — — Similarly-Sized Counties (Median) · · · · · ·

Data Source: CDC PLACES 2023 Release, BRFSS 2020

## Annual Checkup

Union County has a crude rate of 76.0% for visits to doctor for routine checkup within the past year among adults aged >=18 years, which ranks 44th out of 99 Iowa counties (33rd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 73.1%, which ranks 28th out of 99 Iowa counties (11th out of 63 similarly-sized counties).
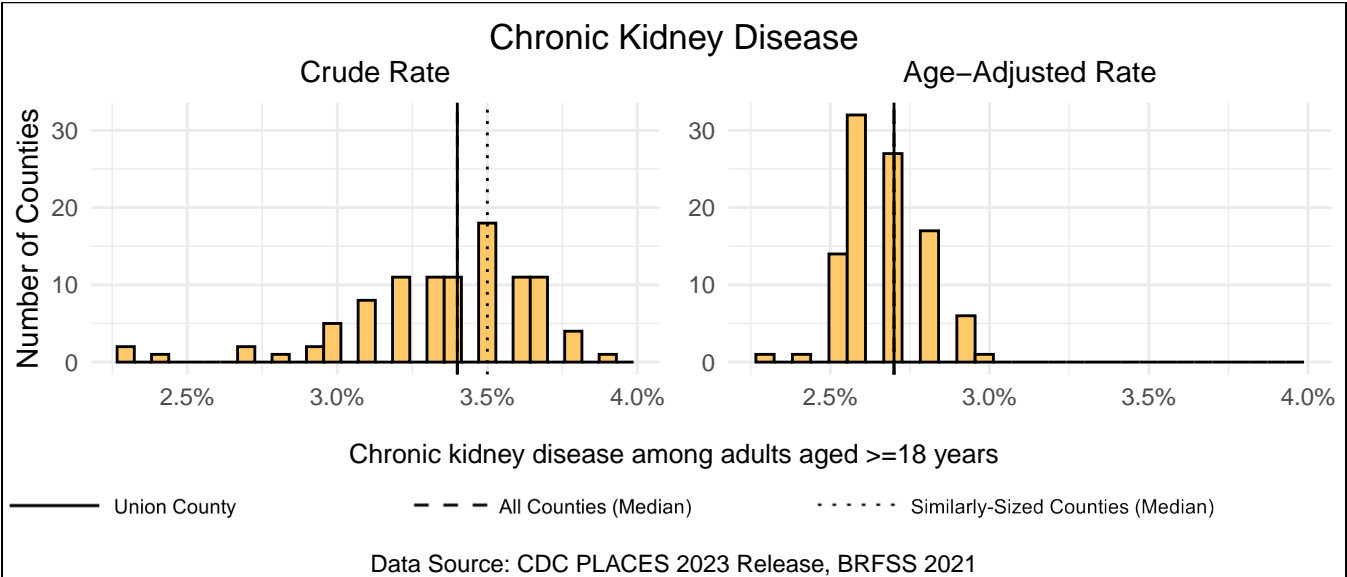
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 76.0% | 75.9% | 76.1% |
| Age-Adjusted | 73.1% | 72.6% | 72.5% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Cholesterol Screening

Union County has a crude rate of 81.4% for cholesterol screening among adults aged >=18 years, which ranks 79th out of 99 Iowa counties (54th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 78.4%, which ranks 70th out of 99 Iowa counties (38th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 81.4% | 82.5% | 82.7% |
| Age-Adjusted | 78.4% | 78.9% | 78.7% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Colorectal Cancer Screening

Union County has a crude rate of 72.6% for colorectal cancer screening among adults aged 50–75 years, which ranks 66th out of 99 Iowa counties (42nd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 69.6%, which ranks 63rd out of 99 Iowa counties (37th out of 63 similarly-sized counties).
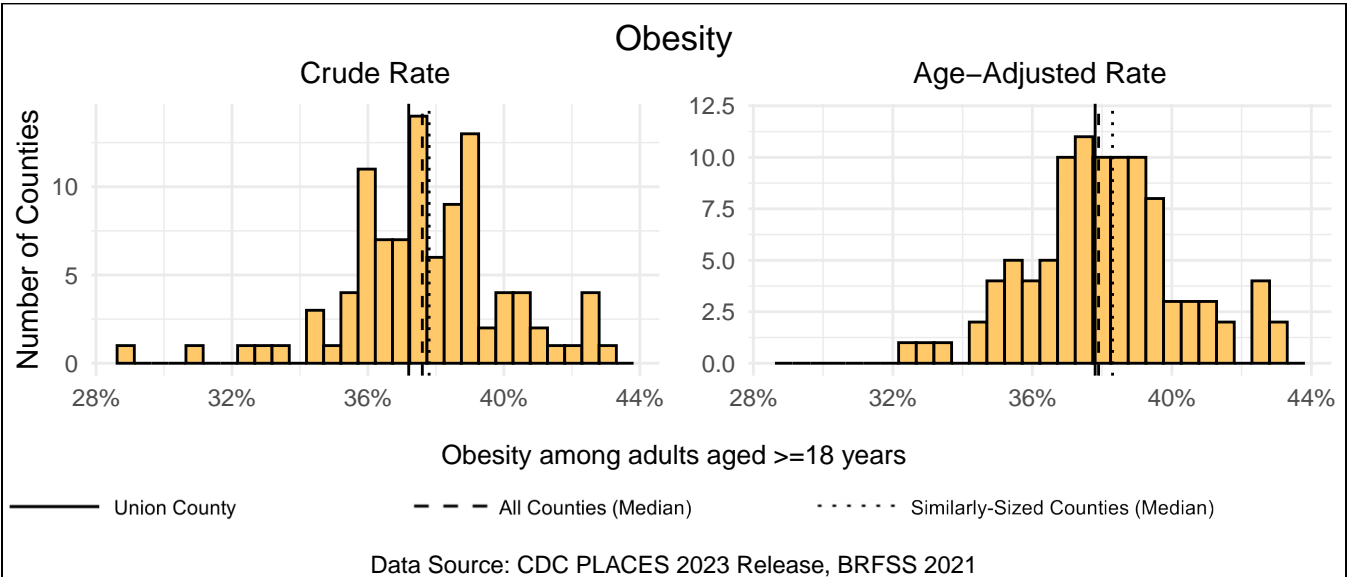
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 72.6% | 73.2% | 73.0% |
| Age-Adjusted | 69.6% | 70.3% | 70.0% |



Colorectal Cancer Screening

Crude Rate / Age–Adjusted Rate

Colorectal cancer screening among adults aged 50–75 years

Union County — All Counties (Median) — Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2020

## Core preventive services for older men

Union County has a crude rate of 42.6% for older adult men aged >=65 years who are up to date on a core set of clinical preventive services: flu shot past year, ppv shot ever, colorectal cancer screening, which ranks 51st out of 99 Iowa counties (25th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 42.9%, which ranks 55th out of 99 Iowa counties (28th out of 63 similarly-sized counties).
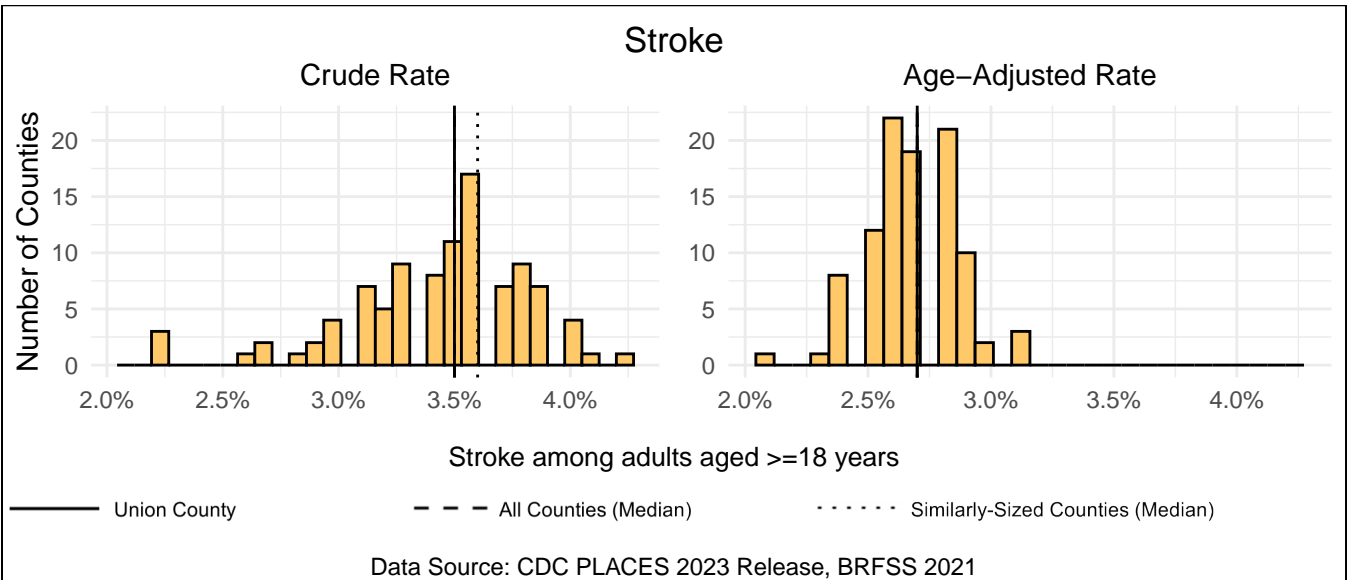
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 42.6% | 42.7% | 42.0% |
| Age-Adjusted | 42.9% | 43.3% | 42.7% |

# Core preventive services for older men

## Crude Rate

## Age−Adjusted Rate

Older adult men aged >=65 years who are up to date on a core set of clinical preventive
services: Flu shot past year, PPV shot ever, Colorectal cancer screening

——— Union County      – – – All Counties (Median)      · · · · · · Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2020

## Core preventive services for older women

Union County has a crude rate of 39.0% for older adult women aged >=65 years who are up to date on a core set of clinical preventive services: flu shot past year, ppv shot ever, colorectal cancer screening, and mammogram past 2 years, which ranks 44th out of 99 Iowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 39.8%, which ranks 48th out of 99 Iowa counties (22nd out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 39.0% | 38.4% | 37.9% |
| Age-Adjusted | 39.8% | 39.7% | 39.1% |



Core preventive services for older women

Older adult women aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening, and Mammogram past 2 years

Union County —— All Counties (Median) - - - Similarly-Sized Counties (Median) · · · · ·

Data Source: CDC PLACES 2023 Release, BRFSS 2020

## Dental Visit

Union County has a crude rate of 63.6% for visits to dentist or dental clinic among adults aged >=18 years, which ranks 76th out of 99 Iowa counties (47th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 62.8%, which ranks 76th out of 99 Iowa counties (47th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 63.6% | 66.0% | 65.6% |
| Age-Adjusted | 62.8% | 65.3% | 64.6% |

**Dental Visit**

Crude Rate — Age–Adjusted Rate

Visits to dentist or dental clinic among adults aged >=18 years

— Union County    – – All Counties (Median)    · · · · · · Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2020
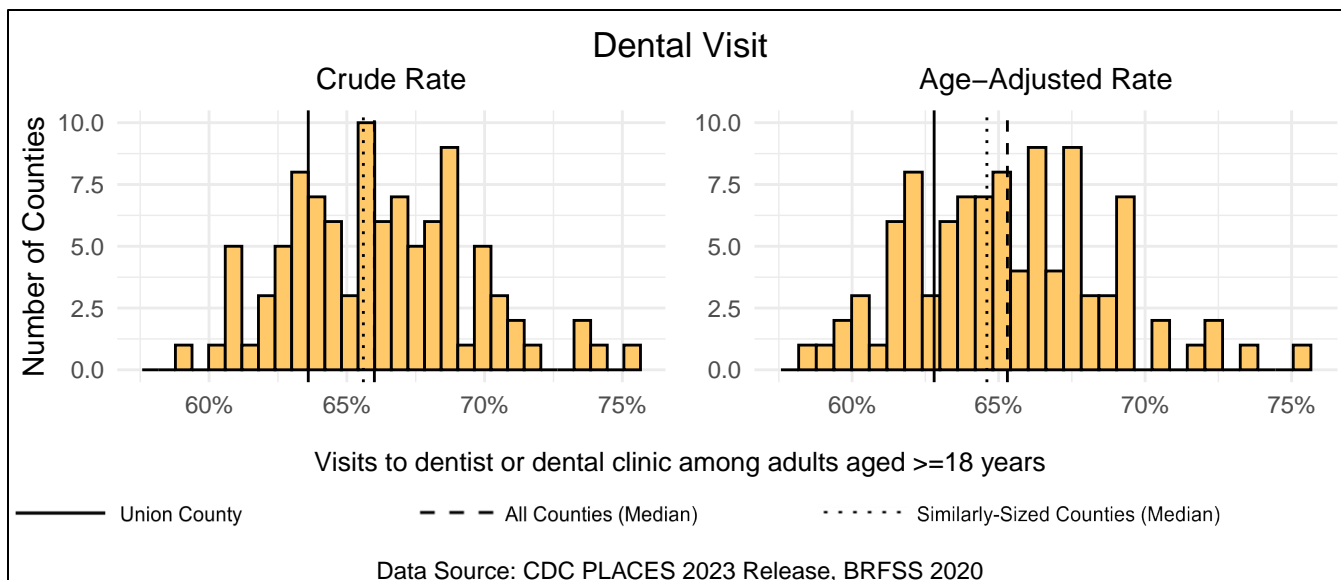
**Mammography**

Union County has a crude rate of 73.7% for mammography use among women aged 50–74 years, which ranks 54th out of 99 Iowa counties (32nd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 73.8%, which ranks 40th out of 99 Iowa counties (19th out of 63 similarly-sized counties).
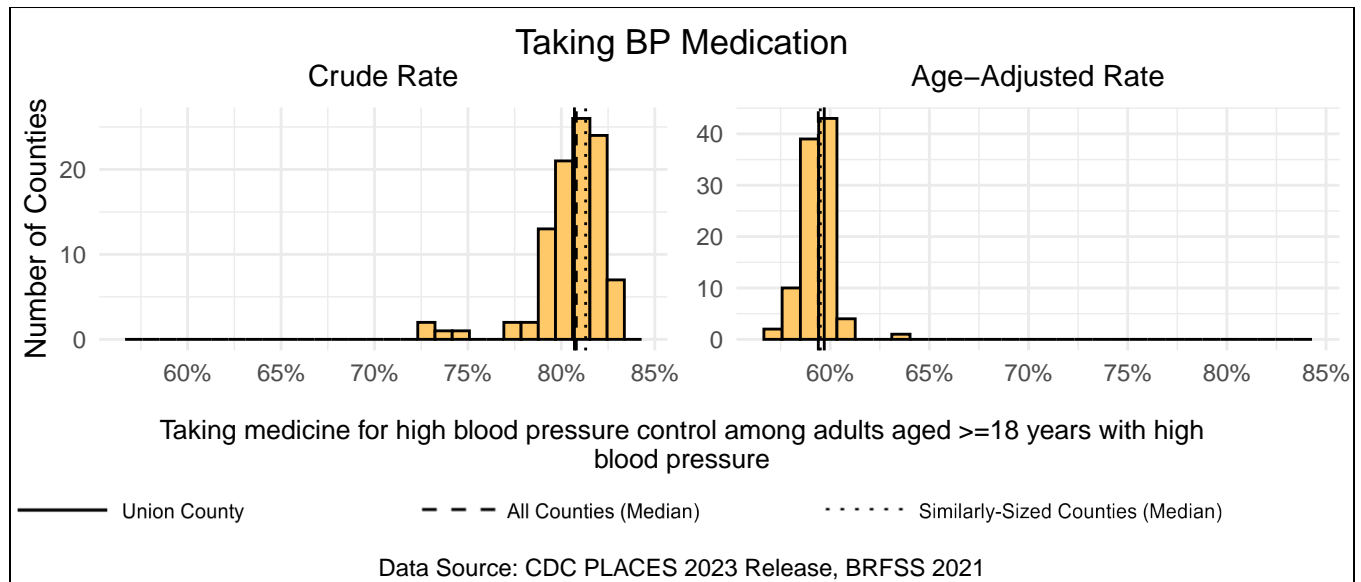
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 73.7% | 73.9% | 73.7% |
| Age-Adjusted | 73.8% | 73.7% | 73.5% |



Mammography

Crude Rate · Age–Adjusted Rate

Number of Counties

Mammography use among women aged 50–74 years

Union County — All Counties (Median) — Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2020
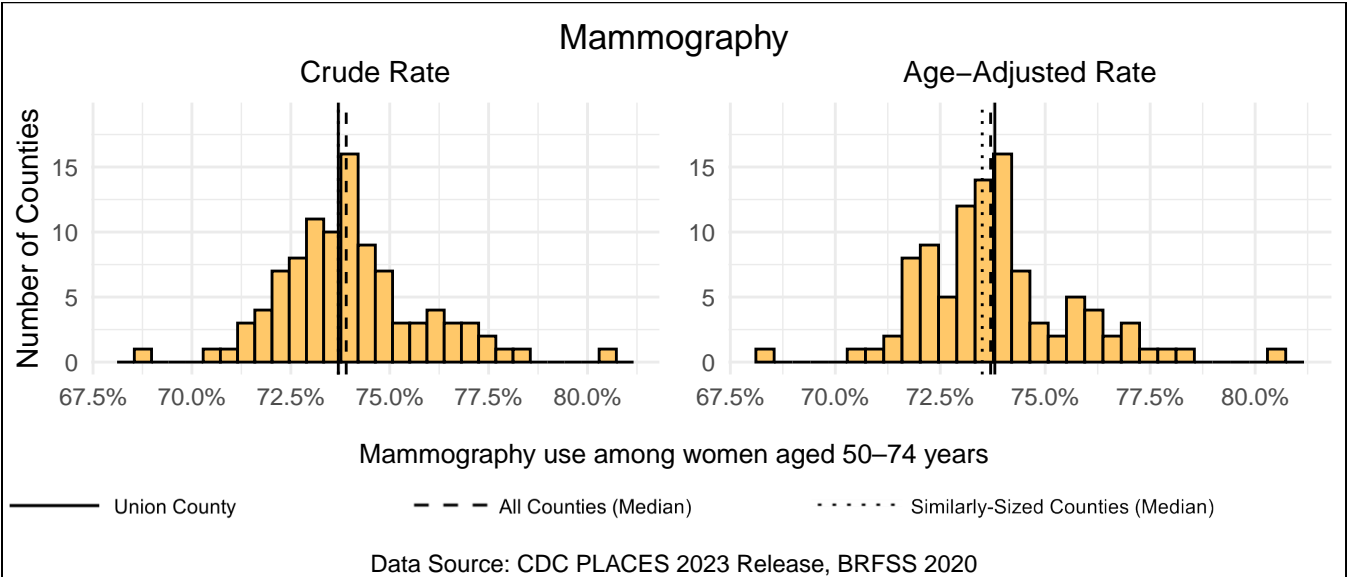
# Disability

This section includes measures of physical and cognitive disabilities. Respondents were asked to report on six disabilities: hearing, vision, cognition, mobility, self-care, and independent living. The final measure reports the rate of respondents that answered yes to any of the previous six disabilities. The link below includes more information about each variable.

https://www.cdc.gov/places/measure-definitions/unhealthy-behaviors/index.html

**Hearing disability**

Union County has a crude rate of 7.9% for hearing disability among adults aged >=18 years, which ranks 48th out of 99 Iowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 6.2%, which ranks 53rd out of 99 Iowa counties (28th out of 63 similarly-sized counties).
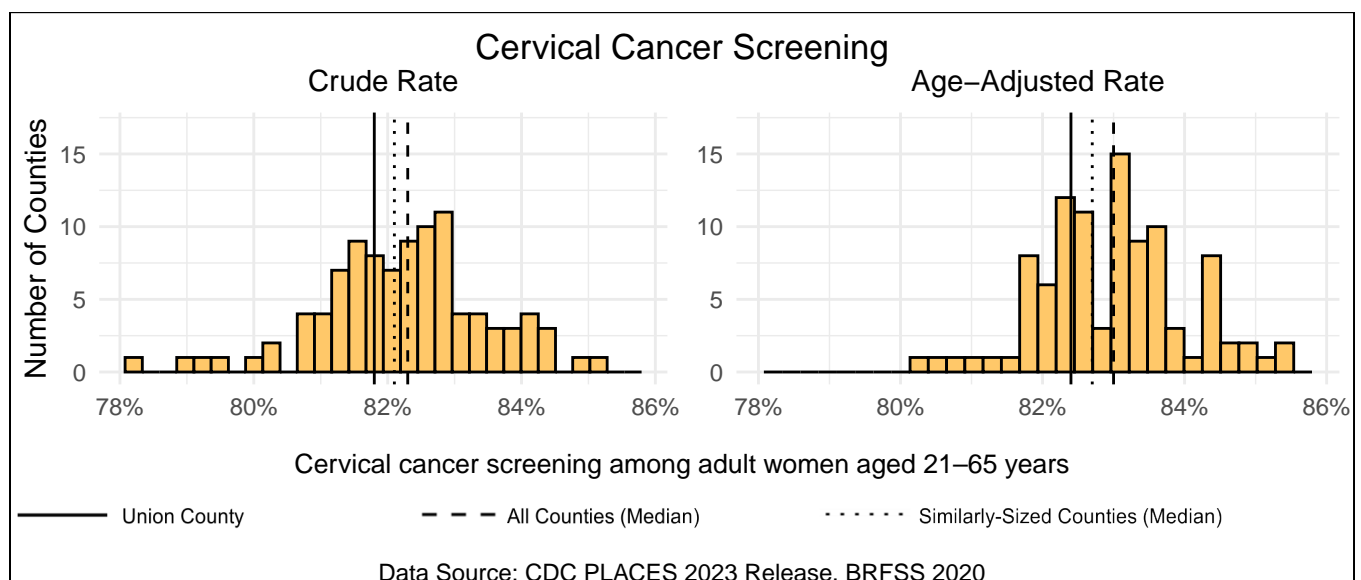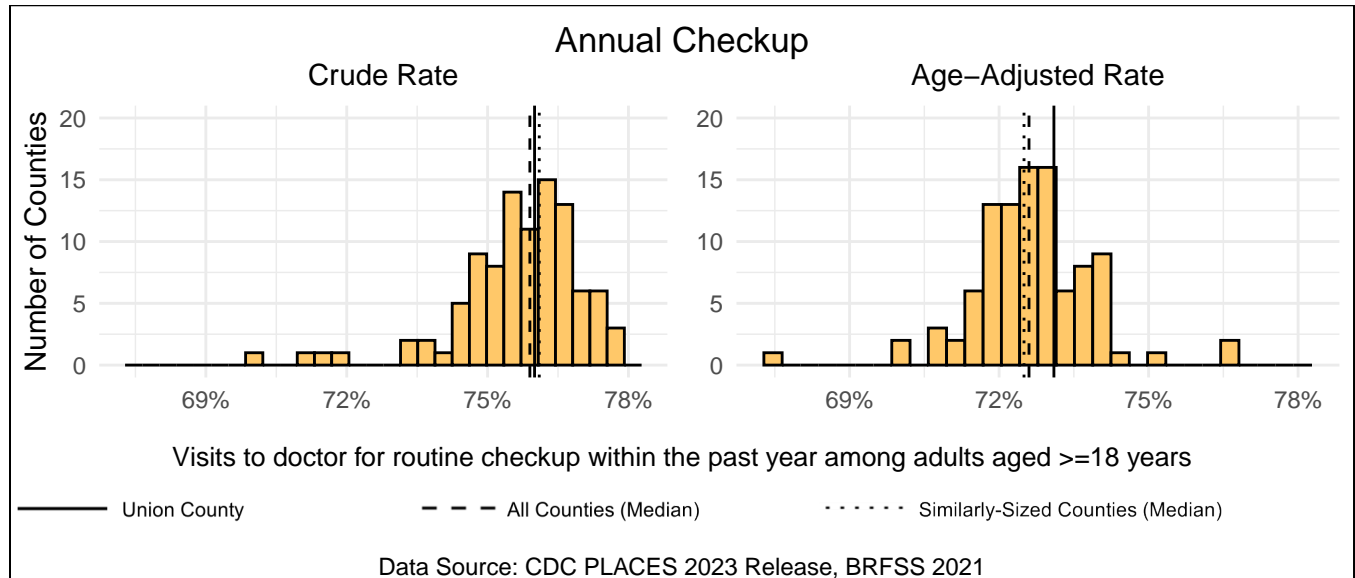
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 7.9% | 7.9% | 8.2% |
| Age-Adjusted | 6.2% | 6.1% | 6.2% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021
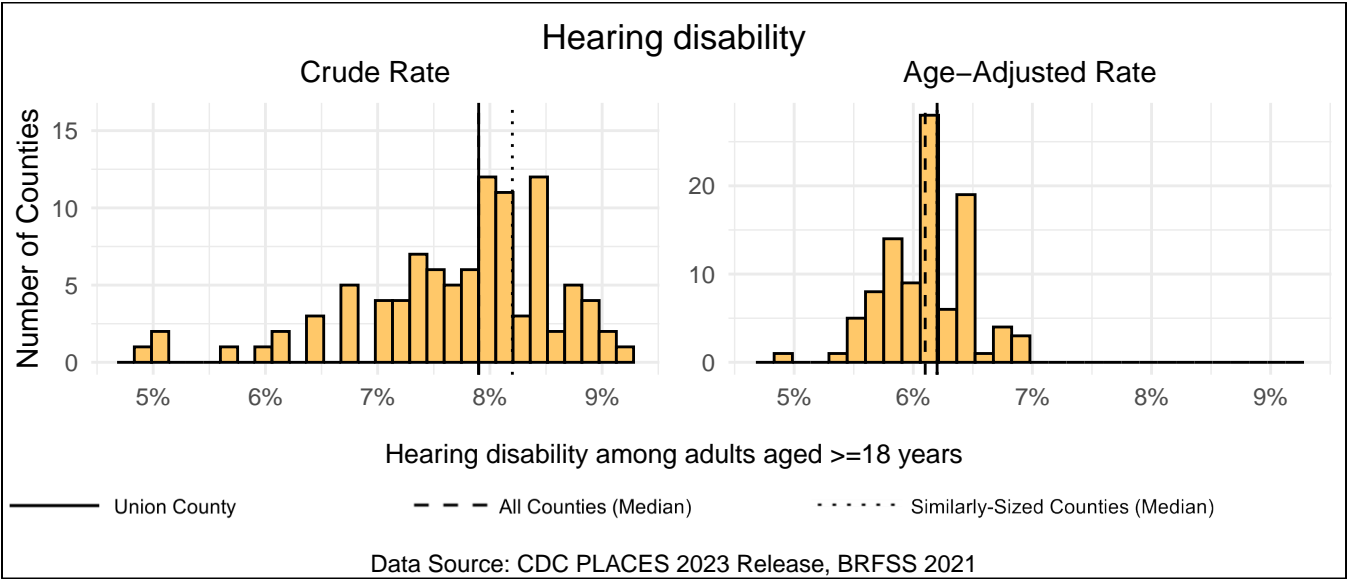
## Vision disability

Union County has a crude rate of 4.4% for vision disability among adults aged >=18 years, which ranks 46th out of 99 Iowa counties (22nd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 4.0%, which ranks 54th out of 99 Iowa counties (31st out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 4.4% | 4.4% | 4.5% |
| Age-Adjusted | 4.0% | 3.9% | 4.0% |



Vision disability
Data Source: CDC PLACES 2023 Release, BRFSS 2021
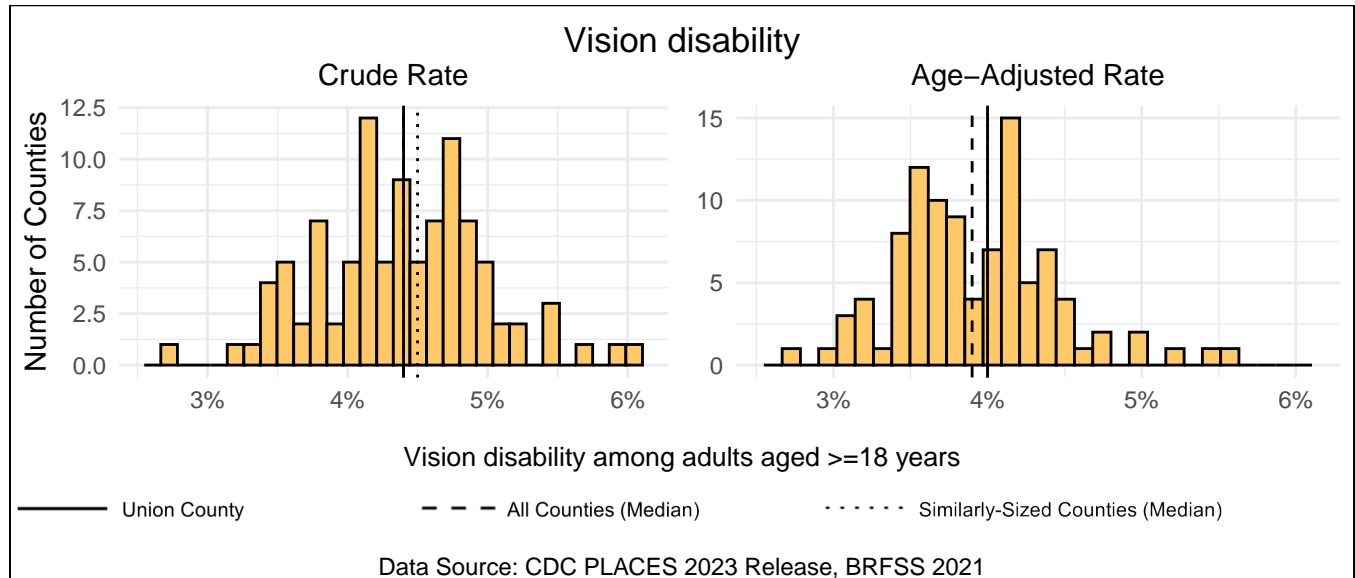
## Cognitive disability

Union County has a crude rate of 11.6% for cognitive disability among adults aged >=18 years, which ranks 61st out of 99 Iowa counties (38th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 12.1%, which ranks 57th out of 99 Iowa counties (32nd out of 63 similarly-sized counties).
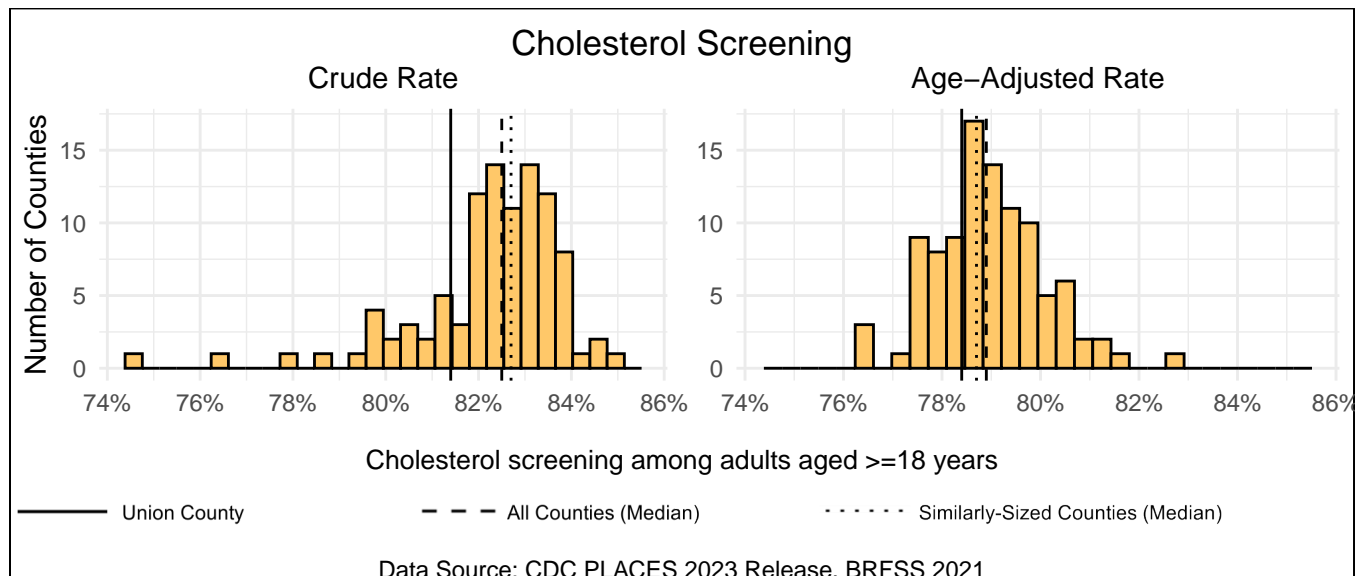
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 11.6% | 11.2% | 11.3% |
| Age-Adjusted | 12.1% | 11.9% | 12.1% |



Cognitive disability
Data Source: CDC PLACES 2023 Release, BRFSS 2021
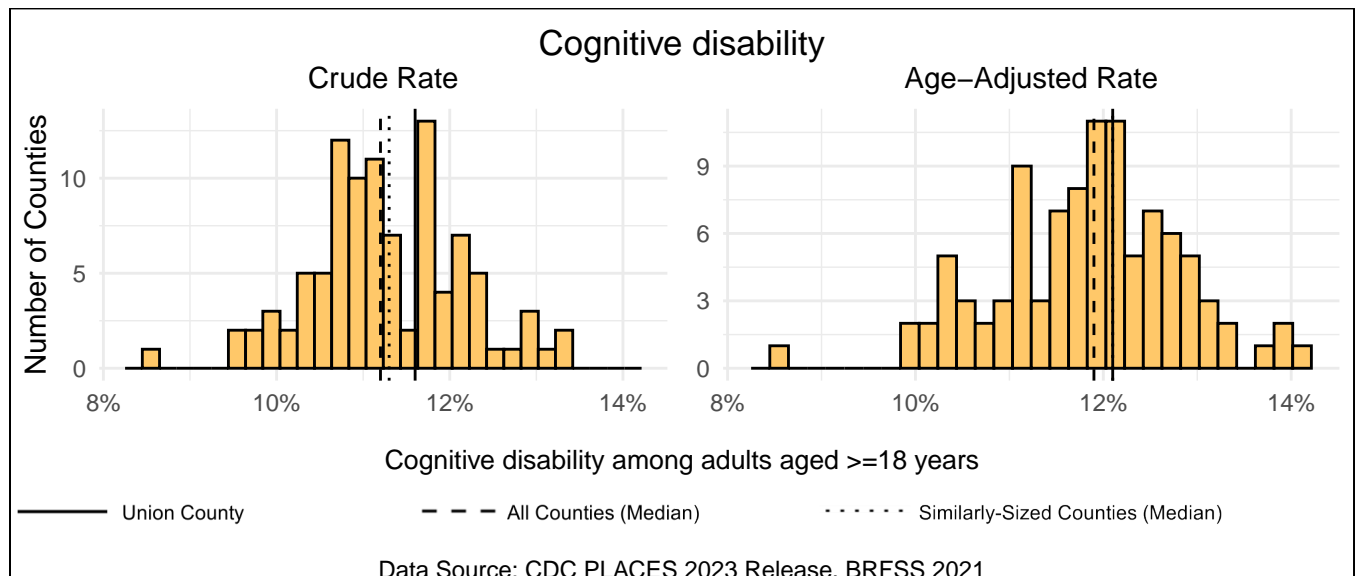
## Mobility disability

Union County has a crude rate of 12.3% for mobility disability among adults aged >=18 years, which ranks 43rd out of 99 Iowa counties (16th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 9.9%, which ranks 49th out of 99 Iowa counties (27th out of 63 similarly-sized counties).
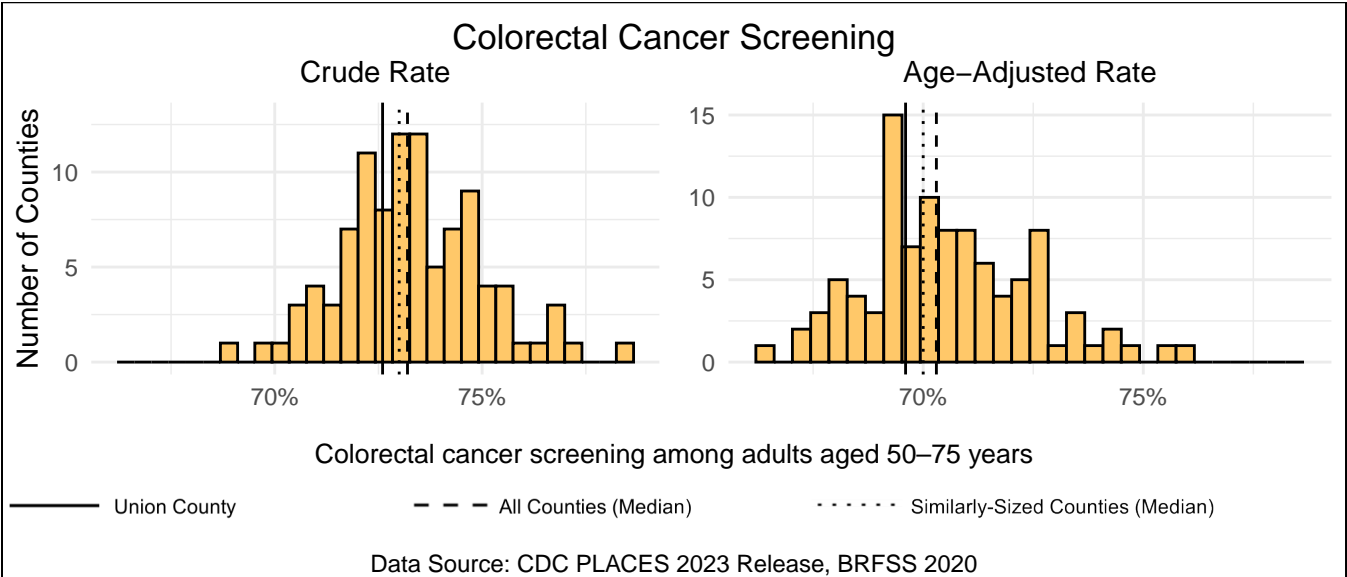
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 12.3% | 12.5% | 13.1% |
| Age-Adjusted | 9.9% | 9.9% | 10.0% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021
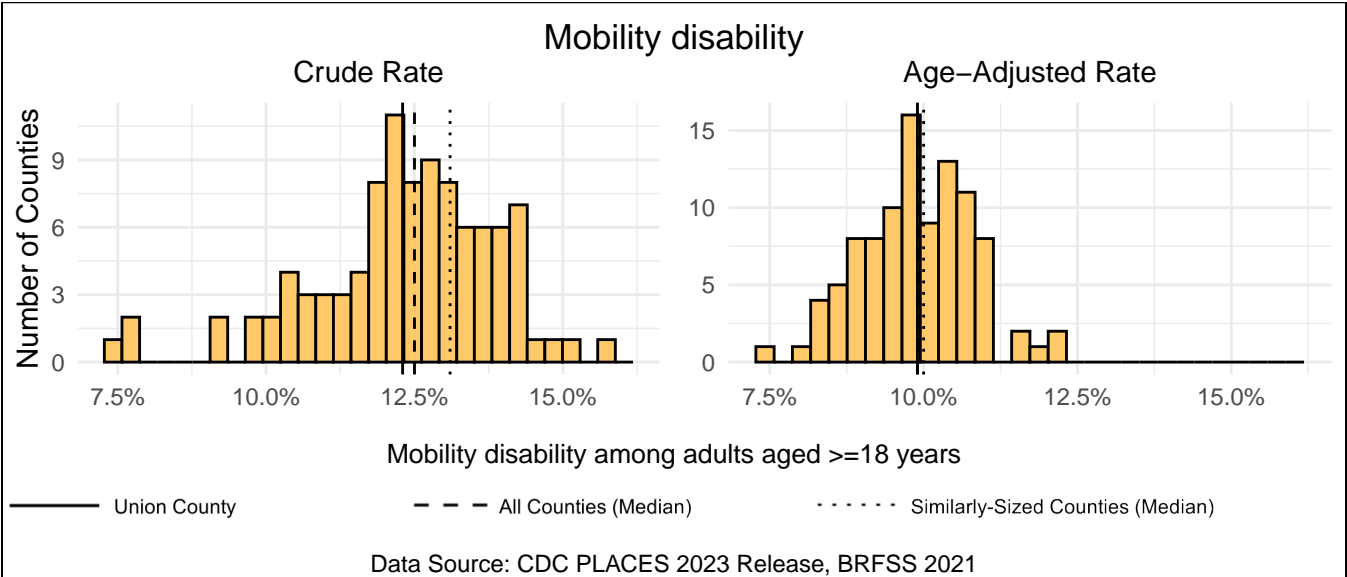
## Self-care disability

Union County has a crude rate of 3.7% for self-care disability among adults aged >=18 years, which ranks 51st out of 99 Iowa counties (24th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 3.2%, which ranks 53rd out of 99 Iowa counties (30th out of 63 similarly-sized counties).

| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 3.7% | 3.6% | 3.8% |
| Age-Adjusted | 3.2% | 3.1% | 3.2% |



Data Source: CDC PLACES 2023 Release, BRFSS 2021
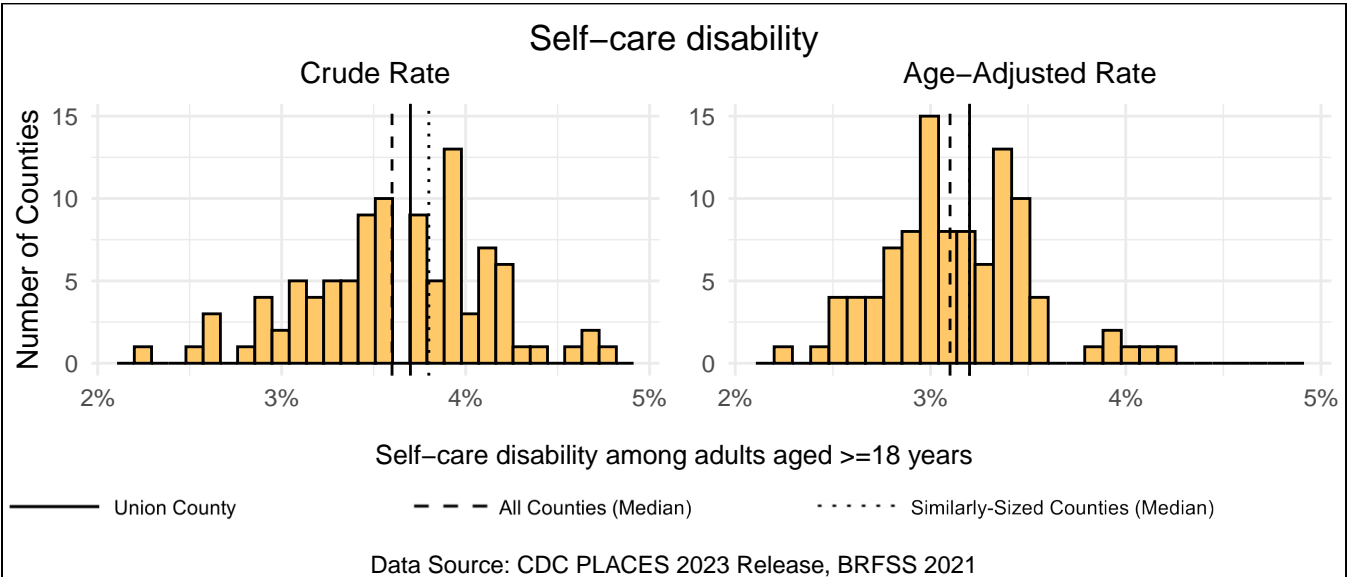
## Independent living disability

Union County has a crude rate of 7.0% for independent living disability among adults aged >=18 years, which ranks 56th out of 99 Iowa counties (29th out of 63 similarly-sized counties). The age-adjusted rate for Union County is 6.6%, which ranks 58th out of 99 Iowa counties (33rd out of 63 similarly-sized counties).
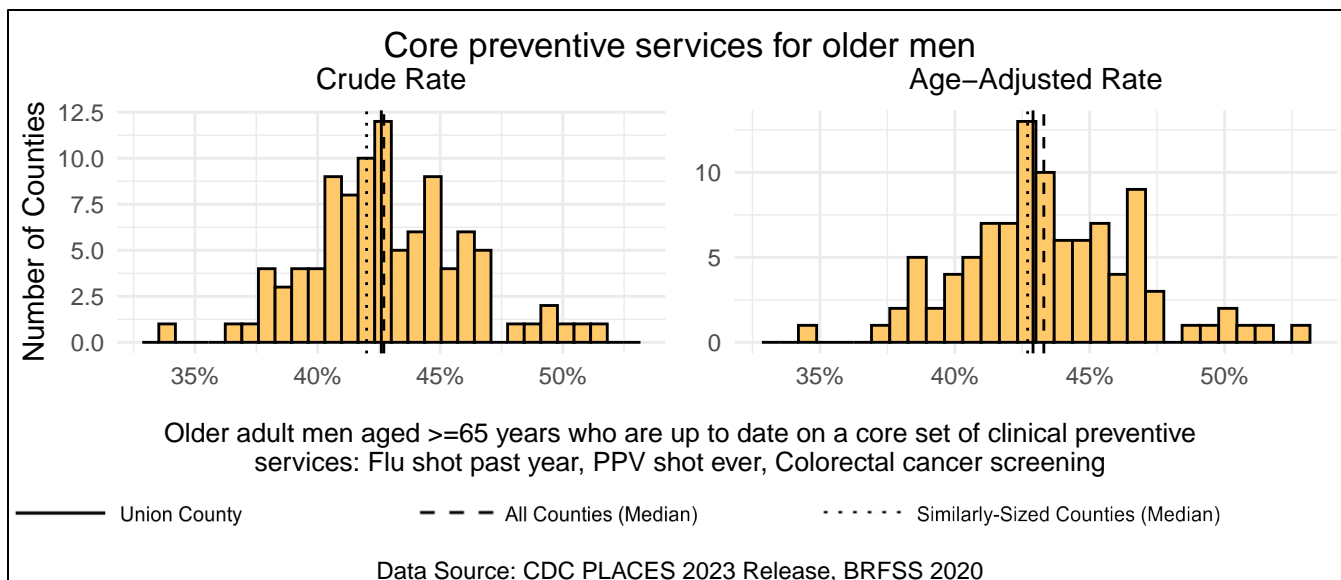
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 7.0% | 6.9% | 7.1% |
| Age-Adjusted | 6.6% | 6.4% | 6.5% |

### Independent living disability

#### Crude Rate

#### Age−Adjusted Rate

Number of Counties

Independent living disability among adults aged >=18 years

— Union County  — — All Counties (Median)  · · · · · · Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2021
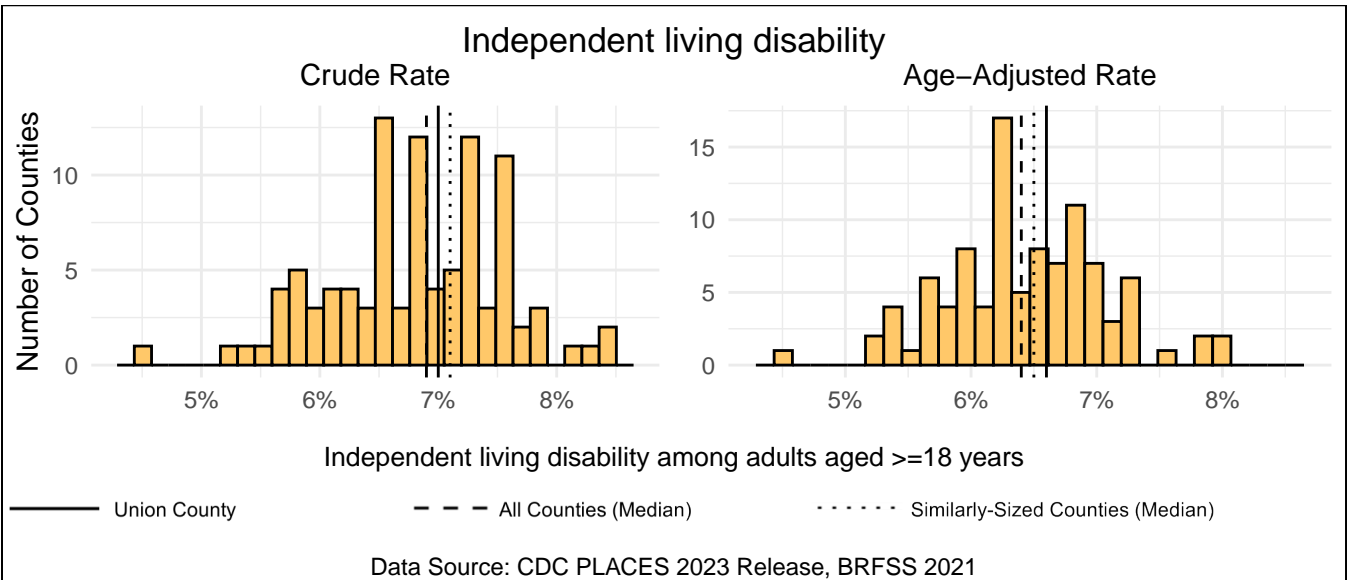
## Any disability

Union County has a crude rate of 26.6% for any disability among adults aged >=18 years, which ranks 50th out of 99 Iowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Union County is 24.0%, which ranks 55th out of 99 Iowa counties (32nd out of 63 similarly-sized counties).
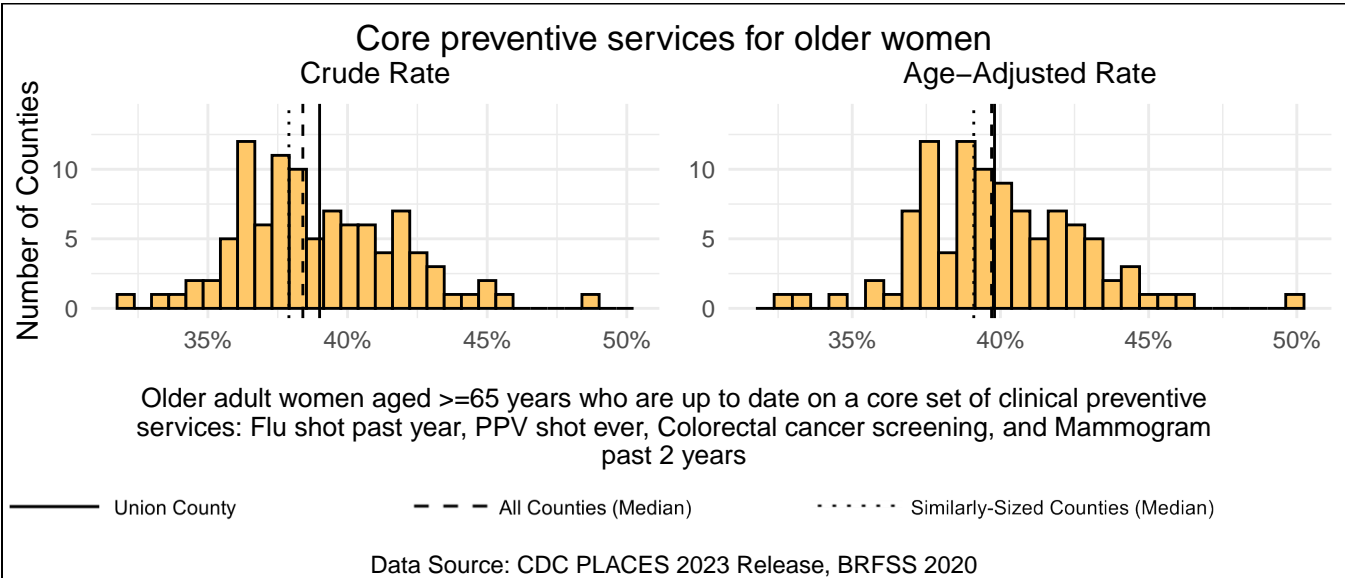
| Measure Type | Union County | All Counties | Similarly-Sized Counties |
|---|---|---|---|
| Crude | 26.6% | 26.6% | 27.2% |
| Age-Adjusted | 24.0% | 23.6% | 24.0% |

### Any disability

#### Crude Rate

#### Age−Adjusted Rate

Number of Counties

Any disability among adults aged >=18 years

— Union County  — — All Counties (Median)  · · · · · · Similarly-Sized Counties (Median)

Data Source: CDC PLACES 2023 Release, BRFSS 2021
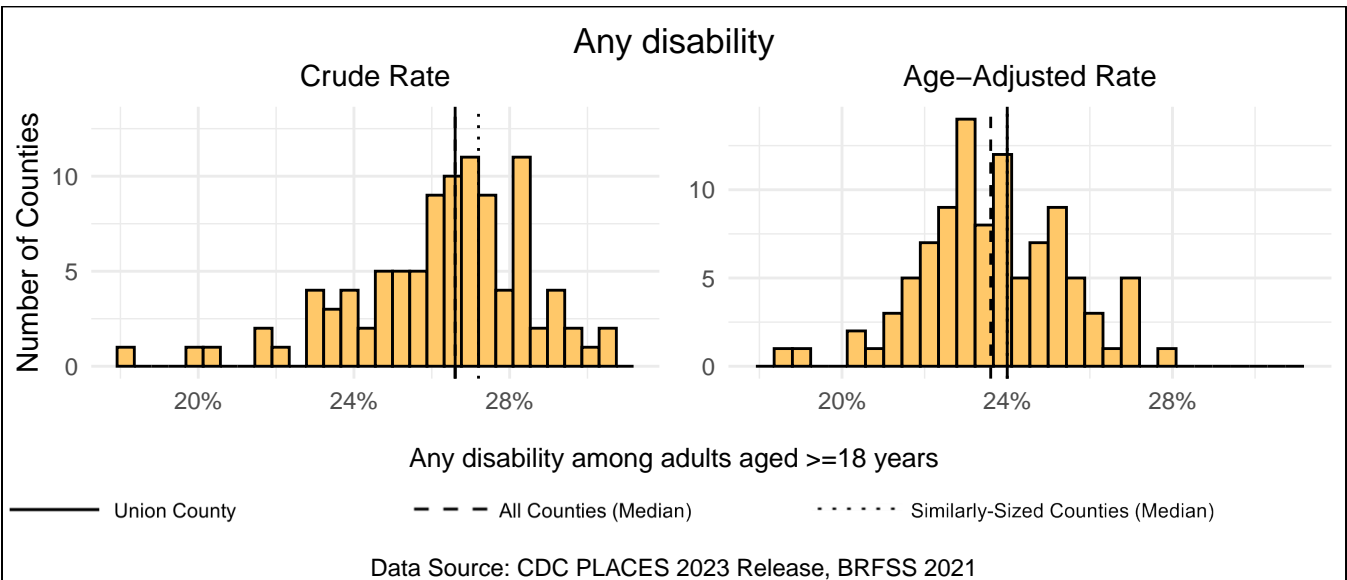
## Appendix 1: CDC PLACES Data

This report uses a novel dataset from the Centers for Disease Control and Prevention (CDC) called PLACES: Local Data for Better Health.  The PLACES dataset uses small area estimation methods to provide estimates of health measures for counties, places, census tracts, and zip code tabulation areas. The estimates are created with a multilevel statistical modeling framework that utilizes CDC's Behavioral Risk Factor Surveillance System (BRFSS), Census population counts, and American Community Survey demographic and socioeconomic data.

Relevant links for CDC PLACES can be found below:

- PLACES Homepage
- Measure Definitions
- Methodology

# Appendix 2: Union County PLACES Data

| Category | Health Domain | Crude Rate Rank | Crude Rate (95% CI) | Age-Adj. Rate Rank | Age-Adj. Rate (95% CI) |
|---|---|---|---|---|---|
| Health Status | Physical Health | 41 | 11.0% (9.3% - 12.9%) | 52 | 10.0% (8.5% - 11.7%) |
| Health Status | Mental Health | 67 | 14.5% (12.4% - 16.7%) | 62 | 15.8% (13.4% - 18.2%) |
| Health Status | General Health | 45 | 14.9% (12.4% - 17.9%) | 53 | 13.5% (11.2% - 16.1%) |
| Health Risk Behaviors | Sleep <7 hours | 91 | 32.2% (30.5% - 33.8%) | 93 | 33.6% (31.7% - 35.3%) |
| Health Risk Behaviors | Current Smoking | 63 | 17.2% (13.7% - 21.2%) | 68 | 18.5% (14.6% - 22.8%) |
| Health Risk Behaviors | Binge Drinking | 28 | 17.9% (14.8% - 21.4%) | 13 | 20.5% (17.0% - 24.4%) |
| Health Risk Behaviors | Physical Inactivity | 44 | 26.6% (21.6% - 31.7%) | 48 | 25.1% (20.4% - 30.1%) |
| Health Outcomes | COPD | 45 | 7.8% (6.4% - 9.6%) | 60 | 6.5% (5.3% - 7.9%) |
| Health Outcomes | Stroke | 43 | 3.5% (3.0% - 4.0%) | 45 | 2.7% (2.4% - 3.1%) |
| Health Outcomes | Arthritis | 43 | 28.7% (24.6% - 32.8%) | 72 | 23.7% (20.0% - 27.3%) |
| Health Outcomes | Coronary Heart Disease | 40 | 7.0% (6.0% - 8.1%) | 47 | 5.2% (4.5% - 6.0%) |
| Health Outcomes | Current Asthma | 64 | 9.4% (8.3% - 10.8%) | 67 | 9.6% (8.4% - 11.0%) |
| Health Outcomes | Obesity | 37 | 37.2% (29.8% - 44.6%) | 45 | 37.8% (30.4% - 45.3%) |
| Health Outcomes | Depression | 52 | 17.7% (14.5% - 21.2%) | 48 | 18.7% (15.3% - 22.3%) |
| Health Outcomes | Cancer (except skin) | 37 | 8.3% (7.5% - 9.2%) | 26 | 6.4% (5.7% - 7.1%) |
| Health Outcomes | All Teeth Lost | 67 | 10.9% (7.1% - 15.4%) | 62 | 11.7% (7.6% - 16.9%) |
| Health Outcomes | Diabetes | 39 | 10.7% (9.0% - 12.5%) | 46 | 8.6% (7.3% - 10.1%) |
| Health Outcomes | Chronic Kidney Disease | 44 | 3.4% (3.0% - 3.8%) | 49 | 2.7% (2.4% - 3.0%) |
| Health Outcomes | High Cholesterol | 28 | 36.9% (32.3% - 41.7%) | 47 | 29.8% (25.4% - 34.3%) |
| Health Outcomes | High Blood Pressure | 49 | 33.7% (29.5% - 37.8%) | 64 | 28.4% (24.6% - 32.1%) |
| Prevention | Taking BP Medication | 52 | 80.7% (77.5% - 83.4%) | 28 | 59.7% (54.7% - 64.4%) |
| Prevention | Mammography | 54 | 73.7% (69.4% - 78.0%) | 40 | 73.8% (69.6% - 78.3%) |
| Prevention | Dental Visit | 76 | 63.6% (59.8% - 67.3%) | 76 | 62.8% (58.6% - 66.8%) |
| Prevention | Health Insurance | 51 | 7.9% (6.0% - 10.3%) | 49 | 8.3% (6.4% - 11.0%) |
| Prevention | Core preventive services for older men | 51 | 42.6% (33.0% - 52.3%) | 55 | 42.9% (33.4% - 52.2%) |
| Prevention | Colorectal Cancer Screening | 66 | 72.6% (69.5% - 75.7%) | 63 | 69.6% (66.0% - 73.2%) |

| Category | Health Domain | Crude Rate Rank | Crude Rate (95% CI) | Age-Adj. Rate Rank | Age-Adj. Rate (95% CI) |
|---|---|---|---|---|---|
| Prevention | Core preventive services for older women | 44 | 39.0% (30.9% - 47.4%) | 48 | 39.8% (31.5% - 48.3%) |
| Prevention | Cervical Cancer Screening | 64 | 81.8% (78.8% - 84.6%) | 68 | 82.4% (79.6% - 85.0%) |
| Prevention | Cholesterol Screening | 79 | 81.4% (78.2% - 84.5%) | 70 | 78.4% (74.8% - 82.0%) |
| Prevention | Annual Checkup | 44 | 76.0% (71.2% - 80.3%) | 28 | 73.1% (67.9% - 77.8%) |
| Disability | Hearing Disability | 48 | 7.9% (6.9% - 8.9%) | 53 | 6.2% (5.4% - 7.0%) |
| Disability | Self-care Disability | 51 | 3.7% (3.0% - 4.4%) | 53 | 3.2% (2.7% - 3.8%) |
| Disability | Independent Living Disability | 56 | 7.0% (5.9% - 8.4%) | 58 | 6.6% (5.6% - 7.9%) |
| Disability | Vision Disability | 46 | 4.4% (3.7% - 5.3%) | 54 | 4.0% (3.3% - 4.7%) |
| Disability | Cognitive Disability | 61 | 11.6% (9.5% - 13.8%) | 57 | 12.1% (10.0% - 14.4%) |
| Disability | Any Disability | 50 | 26.6% (22.4% - 31.2%) | 55 | 24.0% (20.0% - 28.4%) |
| Disability | Mobility Disability | 43 | 12.3% (10.1% - 14.7%) | 49 | 9.9% (8.2% - 11.8%) |

The 95% confidence interval shown in parentheses represents the range of 95% of CDC area estimates under different model assumptions using Monte Carlo simulations.

## Appendix 3: Rural Counties

Union County falls into the group of rural counties. In this data, 63 counties fall into this group. The table below lists all counties in the group, sorted by the population estimate in the CDC PLACES dataset.

| County | Population | County | Population | County | Population |
|---|---|---|---|---|---|
| Sioux County | 35,893 | Lyon County | 12,011 | Pocahontas County | 7,074 |
| Boone County | 26,723 | Chickasaw County | 11,887 | Ida County | 6,956 |
| Plymouth County | 25,650 | Shelby County | 11,770 | Fremont County | 6,567 |
| Buchanan County | 20,657 | Cherokee County | 11,503 | Wayne County | 6,508 |
| Henry County | 20,387 | Louisa County | 10,749 | Osceola County | 6,159 |
| Winneshiek County | 19,892 | Hancock County | 10,663 | Taylor County | 5,868 |
| Jackson County | 19,368 | Winnebago County | 10,656 | Audubon County | 5,635 |
| Fayette County | 19,258 | Mitchell County | 10,555 | Ringgold County | 4,639 |
| Poweshiek County | 18,586 | Montgomery County | 10,322 | Adams County | 3,641 |
| Cedar County | 18,410 | Franklin County | 9,952 | | |
| Delaware County | 17,510 | Calhoun County | 9,915 | | |
| Clayton County | 16,998 | Keokuk County | 9,914 | | |
| Tama County | 16,867 | Clarke County | 9,785 | | |
| Hardin County | 16,708 | Sac County | 9,752 | | |
| Iowa County | 16,568 | Humboldt County | 9,634 | | |
| Crawford County | 16,193 | Howard County | 9,478 | | |
| Floyd County | 15,413 | Emmet County | 9,321 | | |
| Page County | 15,197 | Davis County | 9,138 | | |
| Hamilton County | 14,887 | Palo Alto County | 8,906 | | |
| Kossuth County | 14,529 | Greene County | 8,717 | | |
| Butler County | 14,332 | Lucas County | 8,710 | | |
| O'Brien County | 14,015 | Monona County | 8,574 | | |
| Allamakee County | 13,926 | Decatur County | 7,659 | | |
| Cass County | 13,050 | Monroe County | 7,610 | | |
| Wright County | 12,785 | Adair County | 7,541 | | |
| Appanoose County | 12,257 | Worth County | 7,385 | | |
| Union County | 12,018 | Van Buren County | 7,243 | | |

Metropolitan and micropolitan areas can be found in the link and the maps below.

https://www.icip.iastate.edu/maps/refmaps/cofips



**March 2020 Metropolitan Statistical Area Definitions**

| | | | | | |
|---|---|---|---|---|---|
| ▪ Ames, IA | ▪ Des Moines-West Des Moines, IA | ▪ Omaha-Council Bluffs, NE-IA | | | |
| ▪ Cedar Rapids, IA | ▪ Dubuque, IA | ▪ Sioux City, IA-NE-SD | | | |
| ▪ Davenport-Moline-Rock Island, IA-IL | ▪ Iowa City, IA | ▪ Waterloo-Cedar Falls, IA | | | |

**March 2020 Micropolitan Statistical Area Definitions**

| | | | | |
|---|---|---|---|---|
| ▪ Burlington, IA-IL | ▪ Fairfield, IA | ▪ Marshalltown, IA | ▪ Oskaloosa, IA | ▪ Spencer, IA |
| ▪ Carroll, IA | ▪ Fort Dodge, IA | ▪ Mason City, IA | ▪ Ottumwa, IA | ▪ Spirit Lake, IA |
| ▪ Clinton, IA | ▪ Fort Madison-Keokuk, IA-IL-MO | ▪ Muscatine, IA | ▪ Pella, IA | ▪ Storm Lake, IA |

# Poor General Health

### Fair or poor self–rated health status among adults aged >= 18 years

Lyon 13.3% | Osceola 15.4% | Dickinson 13.4% | Emmet 15.9% | Kossuth 15.6% | Winnebago 13.8% | Worth 14.3% | Mitchell 14.4% | Howard 14.7% | Winneshiek 12.3% | Allamakee 16.0%

Sioux 11.4% | O'Brien 15.7% | Clay 14.6% | Palo Alto 14.0% | Hancock 14.9% | Cerro Gordo 14.8% | Floyd 15.1% | Chickasaw 14.7% | Fayette 16.4% | Clayton 16.7%

Plymouth 13.0% | Cherokee 16.1% | Buena Vista 17.3% | Pocahontas 16.6% | Humboldt 16.1% | Wright 16.5% | Franklin 16.6% | Butler 14.9% | Bremer 11.7%

Woodbury 16.6% | Ida 15.3% | Sac 15.1% | Calhoun 15.0% | Webster 15.6% | Hamilton 13.9% | Hardin 15.1% | Grundy 12.4% | Black Hawk 14.3% | Buchanan 13.5% | Delaware 14.5% | Dubuque 12.9%

Monona 16.4% | Crawford 19.0% | Carroll 14.4% | Greene 15.8% | Boone 13.2% | Story 10.4% | Marshall 17.1% | Tama 17.3% | Benton 13.6% | Linn 12.2% | Jones 14.8% | Jackson 15.7%

Harrison 14.6% | Shelby 14.6% | Audubon 15.6% | Guthrie 14.5% | Dallas 9.8% | Polk 12.5% | Jasper 14.2% | Poweshiek 14.0% | Iowa 13.5% | Johnson 10.8% | Cedar 13.6% | Clinton 15.9%

Pottawattamie 15.0% | Cass 16.8% | Adair 15.5% | Madison 12.4% | Warren 11.1% | Marion 12.5% | Mahaska 15.2% | Keokuk 16.4% | Washington 14.5% | Muscatine 15.3% | Scott 13.6%

Mills 12.9% | Montgomery 16.6% | Adams 15.1% | Union 14.9% | Clarke 19.0% | Lucas 17.1% | Monroe 14.5% | Wapello 17.5% | Jefferson 14.8% | Henry 15.0% | Louisa 16.6% | Des Moines 15.5%

Fremont 15.5% | Page 16.7% | Taylor 15.3% | Ringgold 16.5% | Decatur 15.7% | Wayne 16.9% | Appanoose 18.5% | Davis 16.6% | Van Buren 18.1% | Lee 16.2%

**Poor General Health (Crude Rate)**

17.5%
15.0%
12.5%
10.0%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

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Lyon 12.1% | Osceola 13.5% | Dickinson 11.4% | Emmet 14.4% | Kossuth 13.4% | Winnebago 12.4% | Worth 12.7% | Mitchell 12.7% | Howard 13.1% | Winneshiek 11.3% | Allamakee 14.0%

Sioux 11.0% | O'Brien 14.1% | Clay 13.0% | Palo Alto 12.4% | Hancock 13.0% | Cerro Gordo 13.1% | Floyd 13.3% | Chickasaw 12.9% | Fayette 14.6% | Clayton 14.4%

Plymouth 11.8% | Cherokee 13.9% | Buena Vista 16.6% | Pocahontas 14.4% | Humboldt 14.2% | Wright 14.6% | Franklin 14.7% | Butler 13.0% | Bremer 10.8%

Woodbury 16.0% | Ida 13.5% | Sac 13.1% | Calhoun 13.3% | Webster 14.7% | Hamilton 12.2% | Hardin 13.3% | Grundy 11.0% | Black Hawk 14.0% | Buchanan 12.2% | Delaware 12.7% | Dubuque 12.0%

Monona 14.2% | Crawford 17.9% | Carroll 12.8% | Greene 13.8% | Boone 12.0% | Story 11.7% | Marshall 16.0% | Tama 15.6% | Benton 12.1% | Linn 11.5% | Jones 13.2% | Jackson 13.7%

Harrison 13.0% | Shelby 12.6% | Audubon 13.3% | Guthrie 12.5% | Dallas 9.7% | Polk 12.3% | Jasper 12.9% | Poweshiek 13.0% | Iowa 12.0% | Johnson 11.6% | Cedar 12.1% | Clinton 14.2%

Pottawattamie 13.9% | Cass 14.7% | Adair 13.6% | Madison 11.2% | Warren 10.5% | Marion 11.5% | Mahaska 14.1% | Keokuk 14.5% | Washington 13.1% | Muscatine 14.3% | Scott 12.7%

Mills 11.5% | Montgomery 14.7% | Adams 12.9% | Union 13.5% | Clarke 17.4% | Lucas 14.9% | Monroe 12.9% | Wapello 16.3% | Jefferson 13.6% | Henry 13.8% | Louisa 15.0% | Des Moines 13.9%

Fremont 13.4% | Page 15.0% | Taylor 13.5% | Ringgold 14.3% | Decatur 14.8% | Wayne 14.9% | Appanoose 16.2% | Davis 15.0% | Van Buren 16.0% | Lee 14.5%

**Poor General Health (Age–Adjusted Rate)**

16%
14%
12%
10%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Poor Physical Health

## Physical health not good for >=14 days among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Poor Mental Health

## Mental health not good for >=14 days among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Binge Drinking

## Binge drinking among adults aged >=18 years

### Binge Drinking (Crude Rate)

| County | Rate |
|--------|------|
| Lyon | 20.0% |
| Osceola | 18.2% |
| Dickinson | 18.6% |
| Emmet | 18.4% |
| Kossuth | 17.3% |
| Winnebago | 18.7% |
| Worth | 18.7% |
| Mitchell | 18.7% |
| Howard | 18.6% |
| Winneshiek | 18.6% |
| Allamakee | 17.8% |
| Sioux | 19.7% |
| O'Brien | 18.2% |
| Clay | 18.1% |
| Palo Alto | 18.5% |
| Hancock | 18.2% |
| Cerro Gordo | 17.6% |
| Floyd | 18.0% |
| Chickasaw | 18.9% |
| Fayette | 17.6% |
| Clayton | 17.9% |
| Plymouth | 19.8% |
| Cherokee | 17.2% |
| Buena Vista | 17.0% |
| Pocahontas | 16.9% |
| Humboldt | 18.0% |
| Wright | 16.8% |
| Franklin | 17.5% |
| Butler | 17.7% |
| Bremer | 20.2% |
| Black Hawk | 20.6% |
| Buchanan | 21.4% |
| Delaware | 19.0% |
| Dubuque | 20.3% |
| Woodbury | 20.0% |
| Ida | 17.8% |
| Sac | 18.0% |
| Calhoun | 18.6% |
| Webster | 20.0% |
| Hamilton | 18.7% |
| Hardin | 18.1% |
| Grundy | 20.4% |
| Jackson | 18.7% |
| Monona | 17.4% |
| Crawford | 16.7% |
| Carroll | 19.0% |
| Greene | 17.6% |
| Boone | 19.9% |
| Story | 22.7% |
| Marshall | 17.9% |
| Tama | 17.8% |
| Benton | 19.2% |
| Linn | 20.9% |
| Jones | 18.5% |
| Clinton | 19.4% |
| Harrison | 19.4% |
| Shelby | 18.6% |
| Audubon | 17.1% |
| Guthrie | 18.2% |
| Dallas | 22.7% |
| Polk | 20.3% |
| Jasper | 19.0% |
| Poweshiek | 18.5% |
| Iowa | 18.9% |
| Johnson | 22.1% |
| Cedar | 19.5% |
| Scott | 19.2% |
| Muscatine | 18.1% |
| Pottawattamie | 19.5% |
| Cass | 17.6% |
| Adair | 17.9% |
| Madison | 20.3% |
| Warren | 20.7% |
| Marion | 20.3% |
| Mahaska | 18.6% |
| Keokuk | 18.0% |
| Washington | 17.7% |
| Louisa | 18.8% |
| Mills | 20.3% |
| Montgomery | 18.1% |
| Adams | 17.1% |
| Union | 17.9% |
| Clarke | 17.3% |
| Lucas | 17.9% |
| Monroe | 18.8% |
| Wapello | 17.9% |
| Jefferson | 16.9% |
| Henry | 18.7% |
| Des Moines | 19.2% |
| Fremont | 17.6% |
| Page | 18.5% |
| Taylor | 18.6% |
| Ringgold | 17.0% |
| Decatur | 18.9% |
| Wayne | 17.4% |
| Appanoose | 16.7% |
| Davis | 18.8% |
| Van Buren | 17.4% |
| Lee | 17.5% |

Legend: 22%, 21%, 20%, 19%, 18%, 17%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

### Binge Drinking (Age-Adjusted Rate)

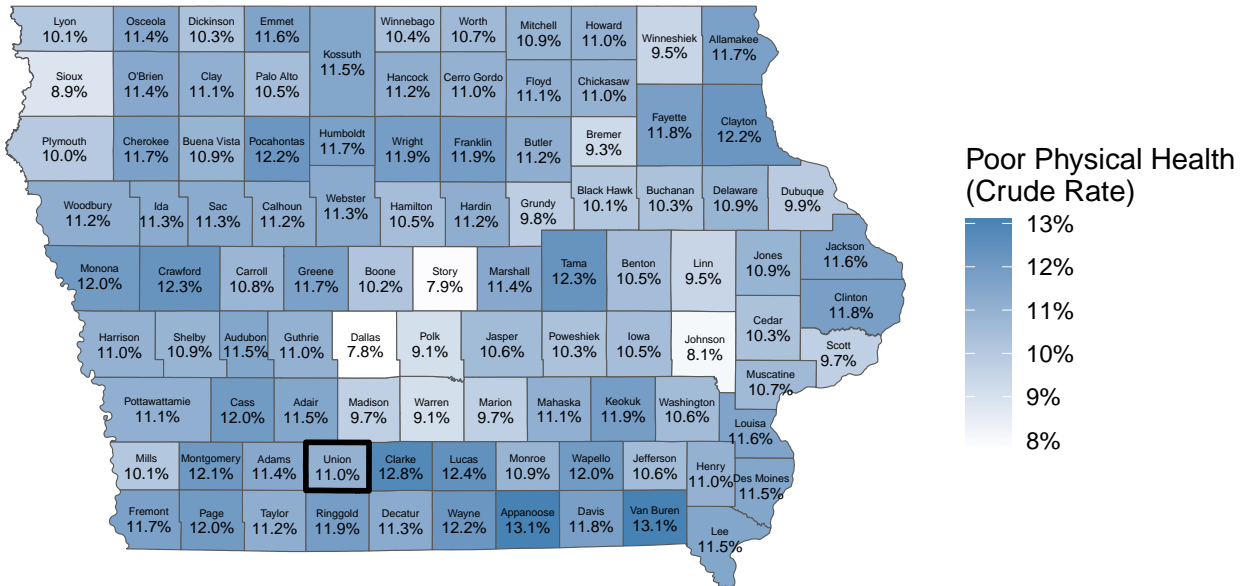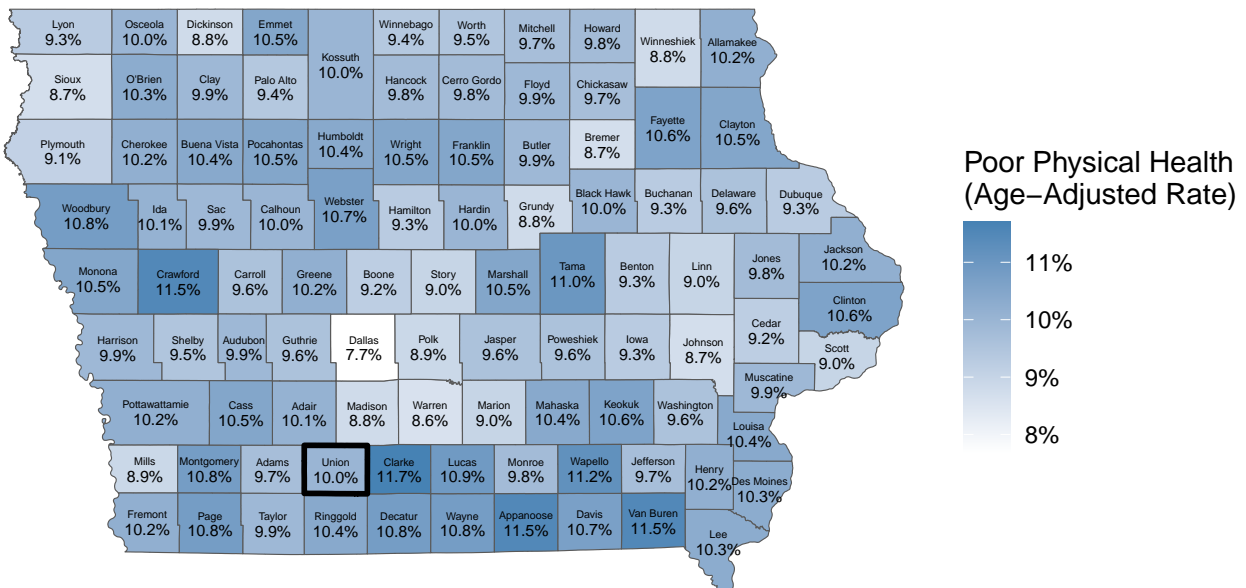| County | Rate |
|--------|------|
| Lyon | 22.5% |
| Osceola | 21.8% |
| Dickinson | 23.1% |
| Emmet | 21.2% |
| Kossuth | 21.3% |
| Winnebago | 21.7% |
| Worth | 21.8% |
| Mitchell | 21.9% |
| Howard | 21.6% |
| Winneshiek | 21.3% |
| Allamakee | 21.5% |
| Sioux | 20.9% |
| O'Brien | 21.0% |
| Clay | 21.1% |
| Palo Alto | 21.8% |
| Hancock | 21.8% |
| Cerro Gordo | 20.8% |
| Floyd | 21.3% |
| Chickasaw | 22.3% |
| Fayette | 20.6% |
| Clayton | 22.0% |
| Plymouth | 22.4% |
| Cherokee | 21.0% |
| Buena Vista | 18.1% |
| Pocahontas | 20.7% |
| Humboldt | 21.2% |
| Wright | 20.1% |
| Franklin | 20.7% |
| Butler | 21.0% |
| Bremer | 22.3% |
| Black Hawk | 21.5% |
| Buchanan | 24.0% |
| Delaware | 22.3% |
| Dubuque | 22.2% |
| Woodbury | 21.0% |
| Ida | 20.9% |
| Sac | 21.9% |
| Calhoun | 21.9% |
| Webster | 21.7% |
| Hamilton | 21.8% |
| Hardin | 21.4% |
| Grundy | 23.6% |
| Jackson | 22.2% |
| Monona | 21.2% |
| Crawford | 18.4% |
| Carroll | 22.2% |
| Greene | 21.1% |
| Boone | 22.2% |
| Story | 21.2% |
| Marshall | 19.8% |
| Tama | 20.6% |
| Benton | 21.9% |
| Linn | 22.3% |
| Jones | 21.4% |
| Clinton | 22.2% |
| Harrison | 22.3% |
| Shelby | 22.5% |
| Audubon | 21.2% |
| Guthrie | 22.0% |
| Dallas | 22.9% |
| Polk | 20.6% |
| Jasper | 21.3% |
| Poweshiek | 20.9% |
| Iowa | 21.7% |
| Johnson | 21.1% |
| Cedar | 22.5% |
| Scott | 20.8% |
| Muscatine | 19.9% |
| Pottawattamie | 21.6% |
| Cass | 21.2% |
| Adair | 21.2% |
| Madison | 22.6% |
| Warren | 22.3% |
| Marion | 22.5% |
| Mahaska | 20.4% |
| Keokuk | 21.2% |
| Washington | 20.1% |
| Louisa | 21.3% |
| Mills | 23.3% |
| Montgomery | 21.4% |
| Adams | 21.2% |
| Union | 20.5% |
| Clarke | 19.6% |
| Lucas | 21.3% |
| Monroe | 21.6% |
| Wapello | 19.6% |
| Jefferson | 19.0% |
| Henry | 20.9% |
| Des Moines | 22.1% |
| Fremont | 21.1% |
| Page | 21.4% |
| Taylor | 22.1% |
| Ringgold | 20.7% |
| Decatur | 20.8% |
| Wayne | 20.7% |
| Appanoose | 20.1% |
| Davis | 21.2% |
| Van Buren | 20.7% |
| Lee | 20.2% |

Legend: 24%, 23%, 22%, 21%, 20%, 19%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Current Smoking

## Current smoking among adults aged >=18 years



Current Smoking (Crude Rate)

Data Source: CDC PLACES 2023 Release, BRFSS 2021



Current Smoking (Age−Adjusted Rate)

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Physical Inactivity

## No leisure–time physical activity among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Sleep <7 hours

## Sleeping less than 7 hours among adults aged >=18 years
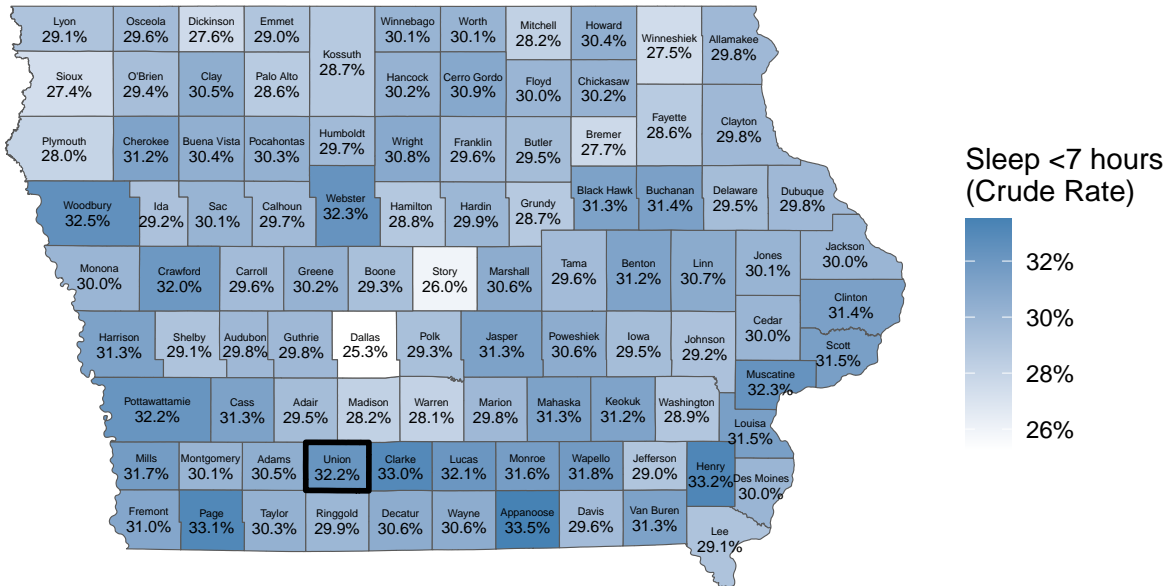


Sleep <7 hours
(Crude Rate)

32%
30%
28%
26%

Data Source: CDC PLACES 2023 Release, BRFSS 2020



Sleep <7 hours
(Age−Adjusted Rate)

35.0%
32.5%
30.0%
27.5%
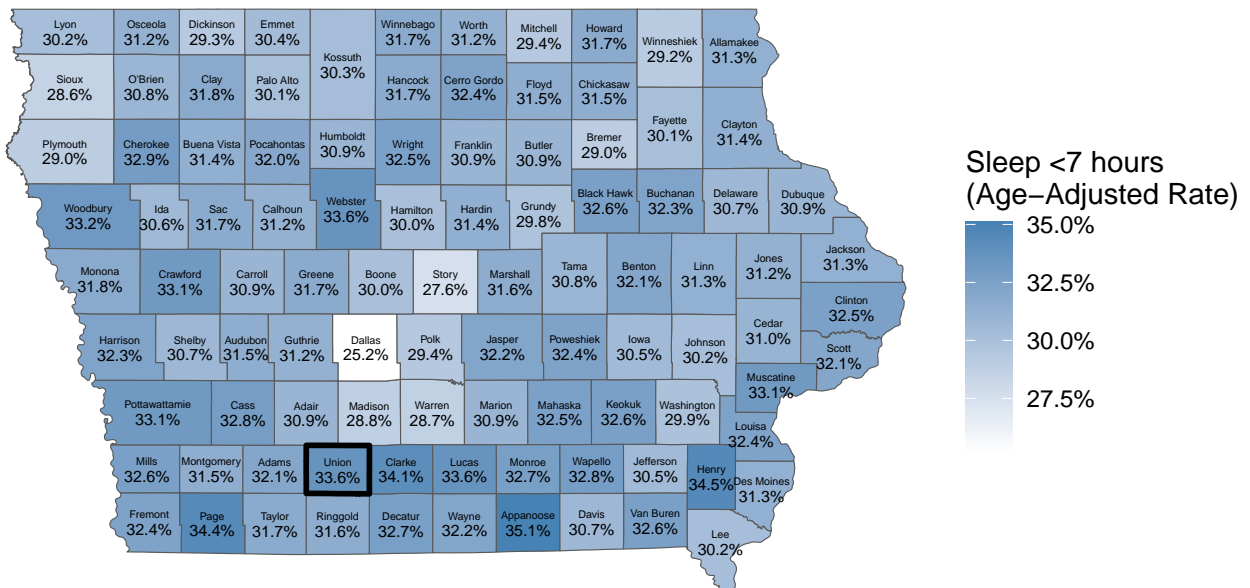
Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Arthritis

## Arthritis among adults aged >=18 years
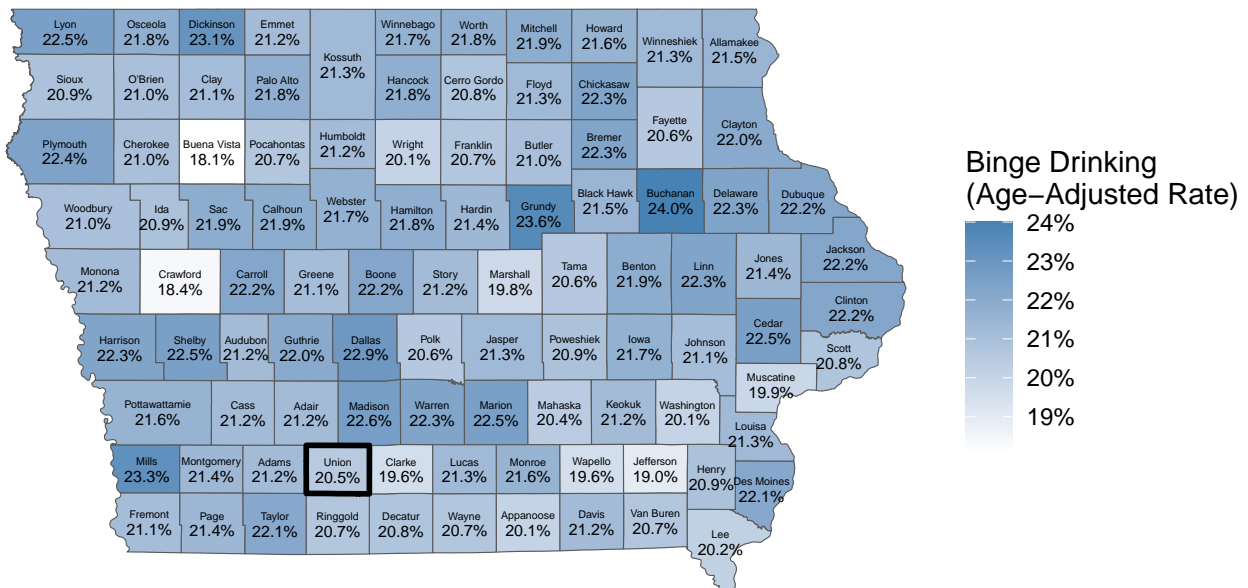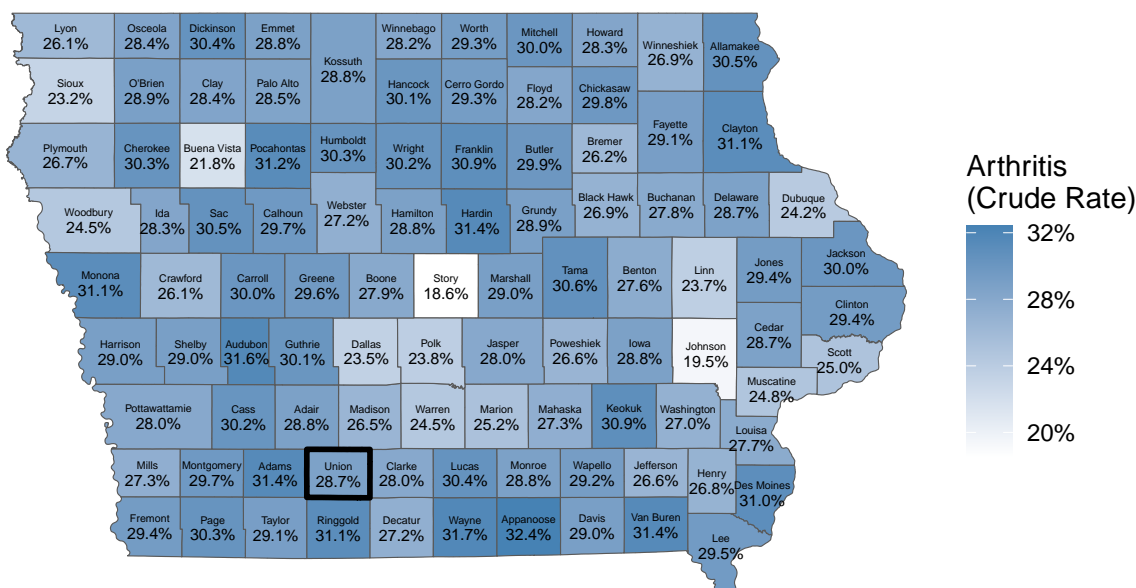


Data Source: CDC PLACES 2023 Release, BRFSS 2021
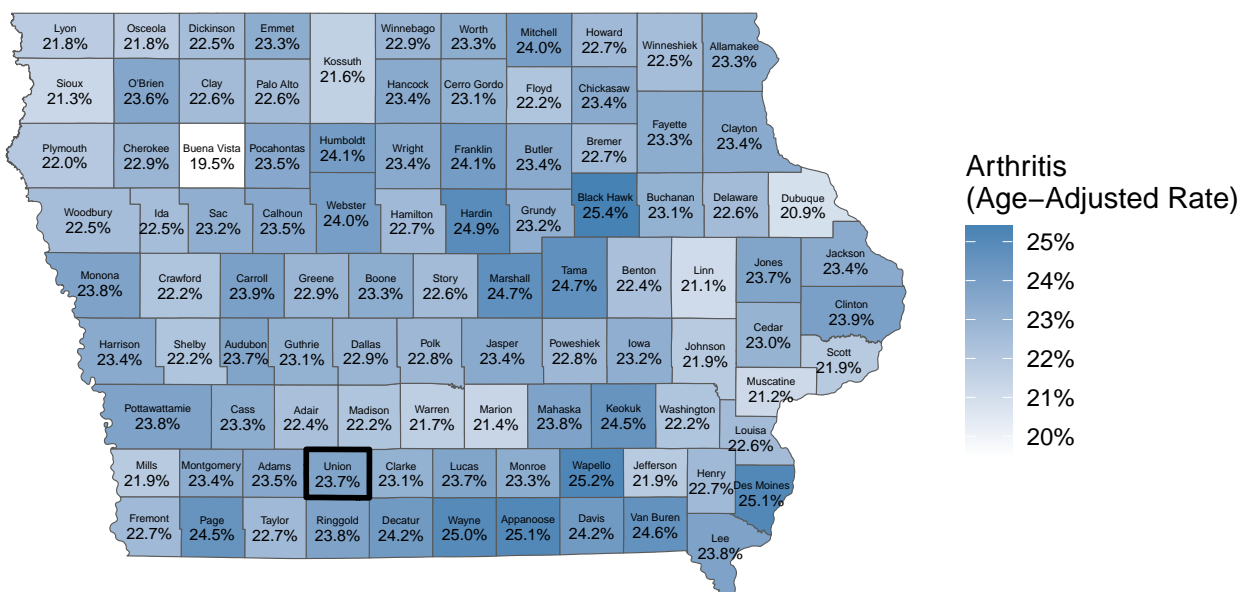


Data Source: CDC PLACES 2023 Release, BRFSS 2021

# High Blood Pressure

## High blood pressure among adults aged >=18 years
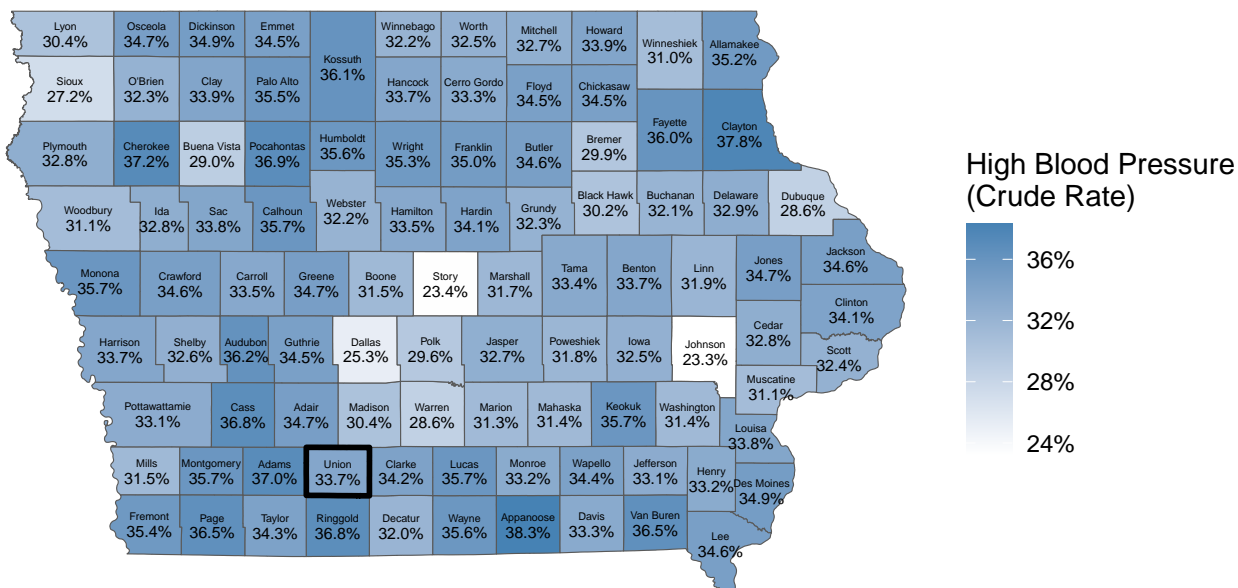


Data Source: CDC PLACES 2023 Release, BRFSS 2021
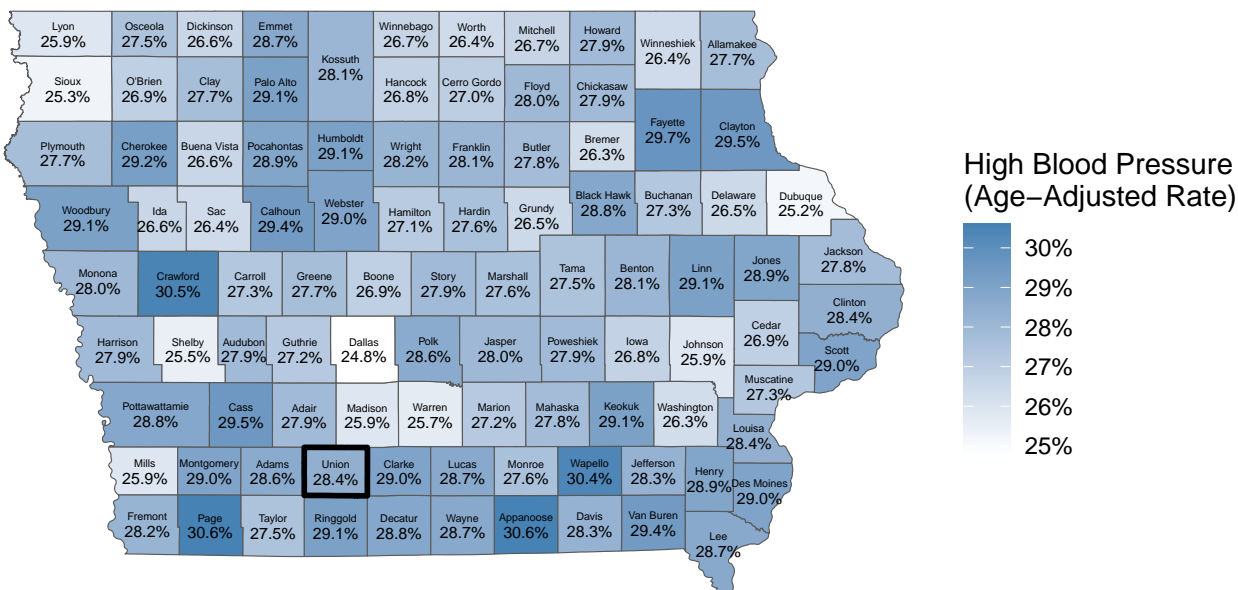


Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Cancer (except skin)

## Cancer (excluding skin cancer) among adults aged >=18 years



**Cancer (except skin) (Crude Rate)**

- 9%
- 8%
- 7%
- 6%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**Cancer (except skin) (Age−Adjusted Rate)**

- 6.50%
- 6.40%
- 6.30%
- 6.20%
- 6.10%
- 6.00%
- 5.90%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Current Asthma

## Current asthma among adults aged >=18 years
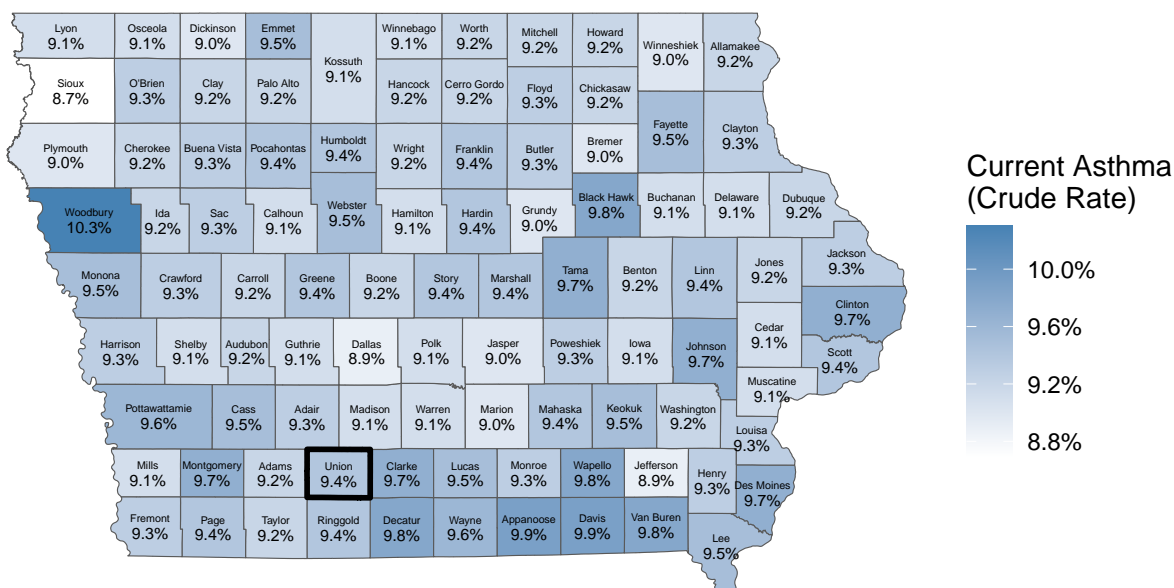


Current Asthma (Crude Rate)

10.0%
9.6%
9.2%
8.8%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



Current Asthma (Age−Adjusted Rate)

10.0%
9.6%
9.2%
8.8%
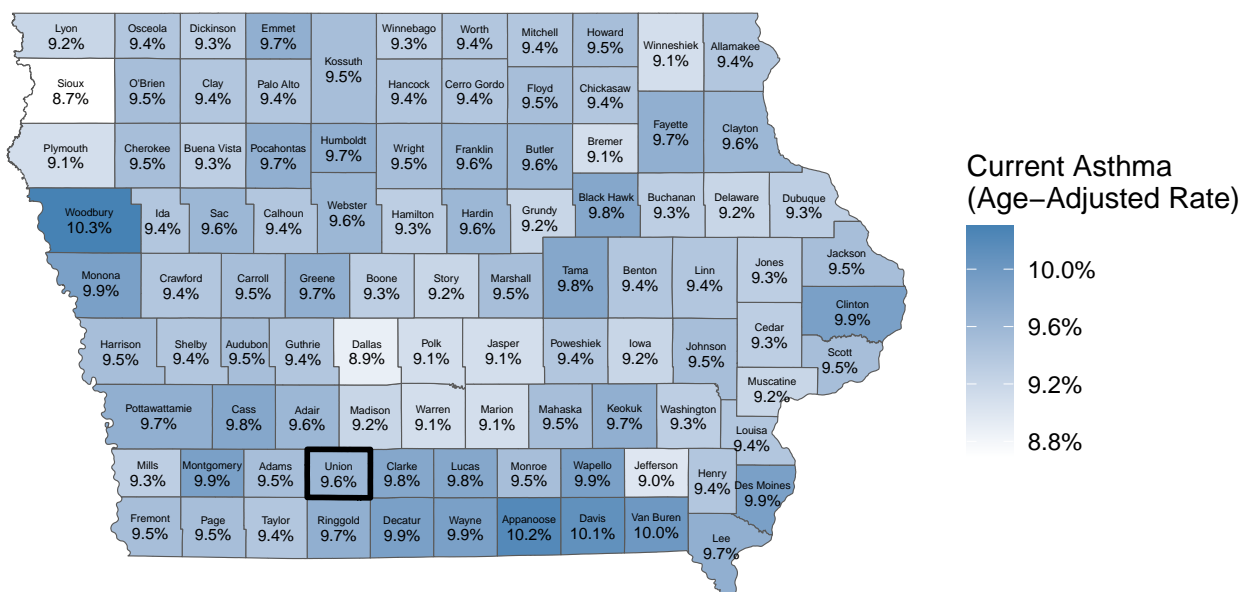
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Coronary Heart Disease

## Coronary heart disease among adults aged >=18 years
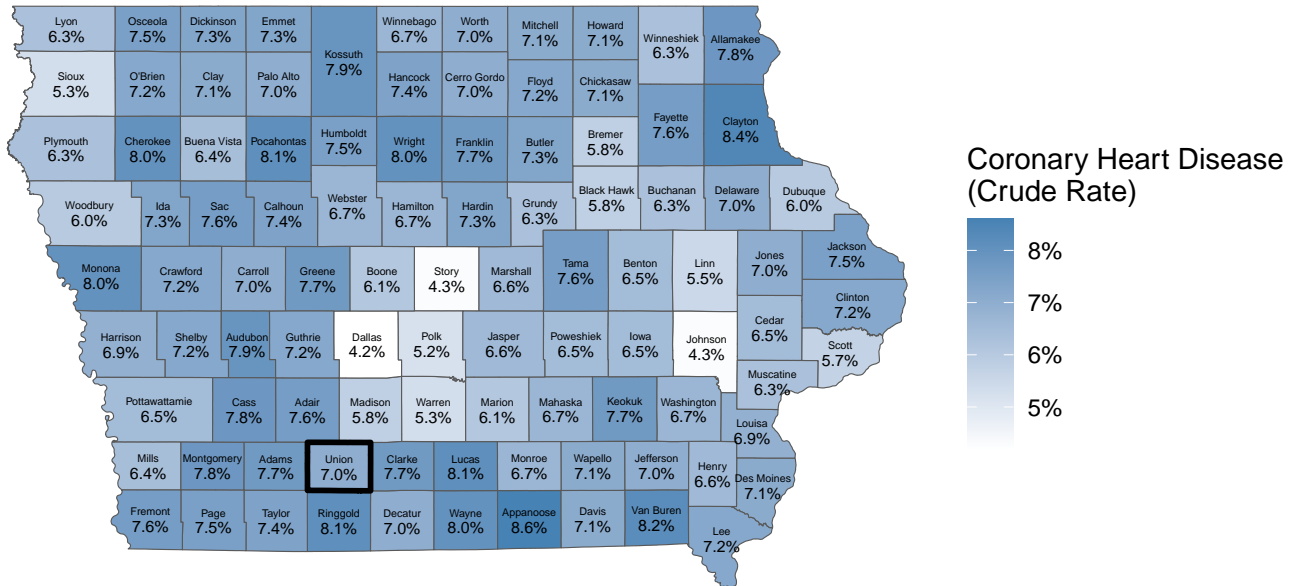


Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# COPD

## Chronic obstructive pulmonary disease among adults aged >=18 years
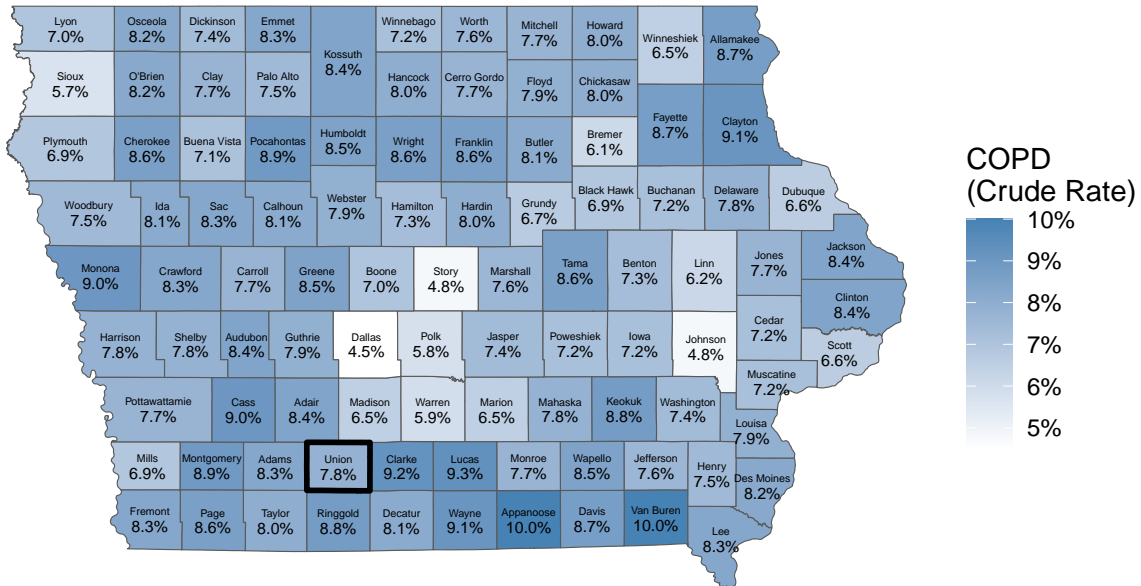


**COPD (Crude Rate)**

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**COPD (Age−Adjusted Rate)**
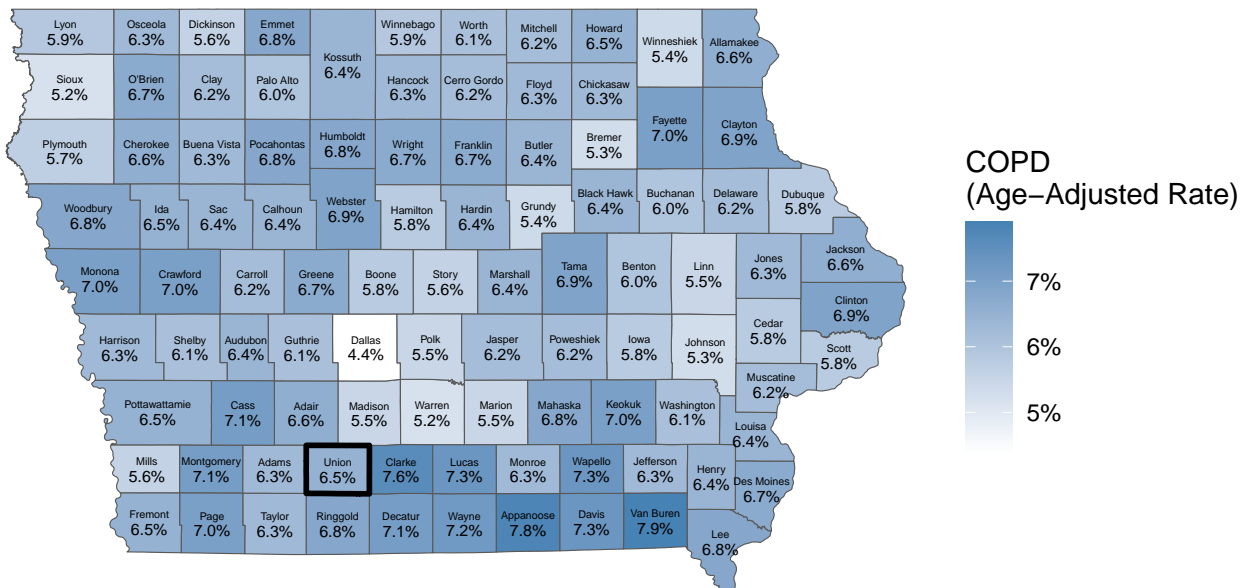
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Depression

## Depression among adults aged >=18 years
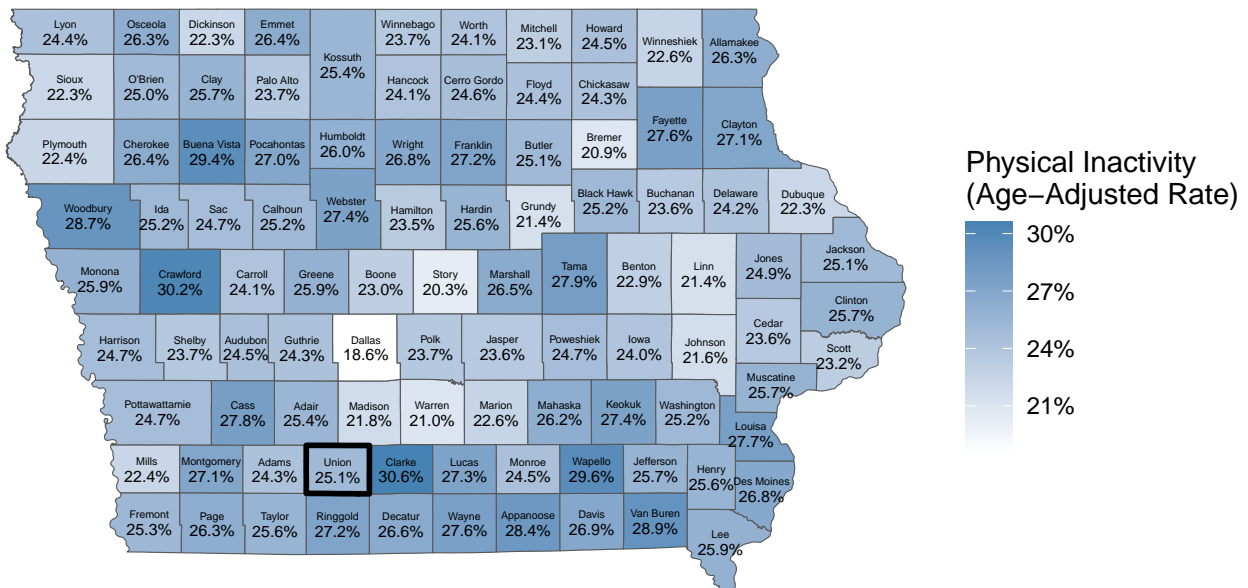


Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Diabetes

## Diagnosed diabetes among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

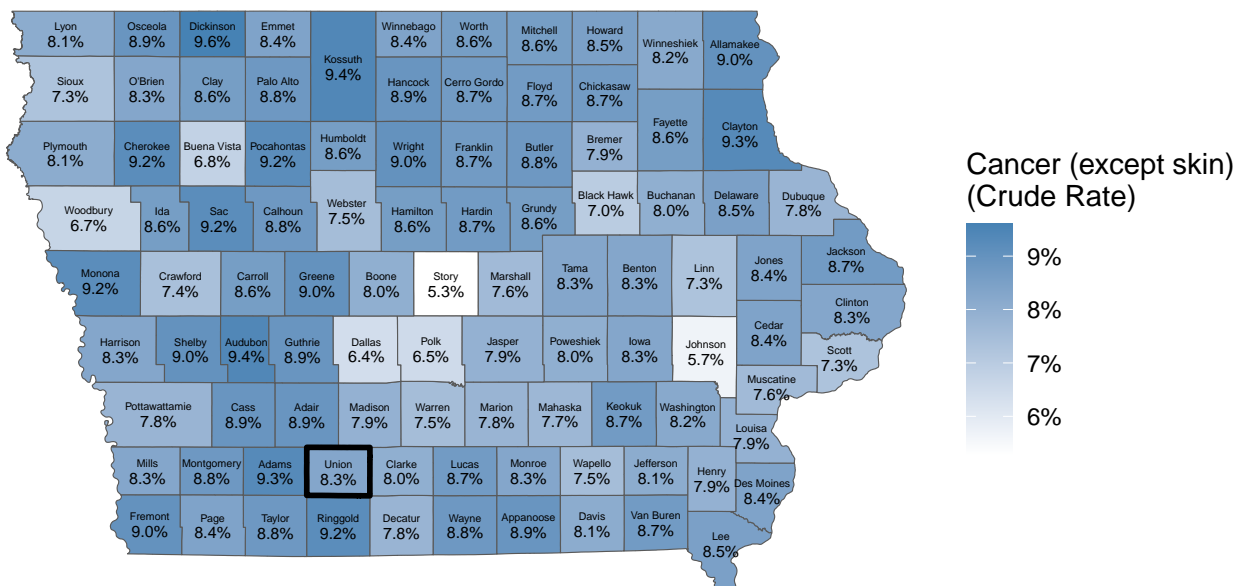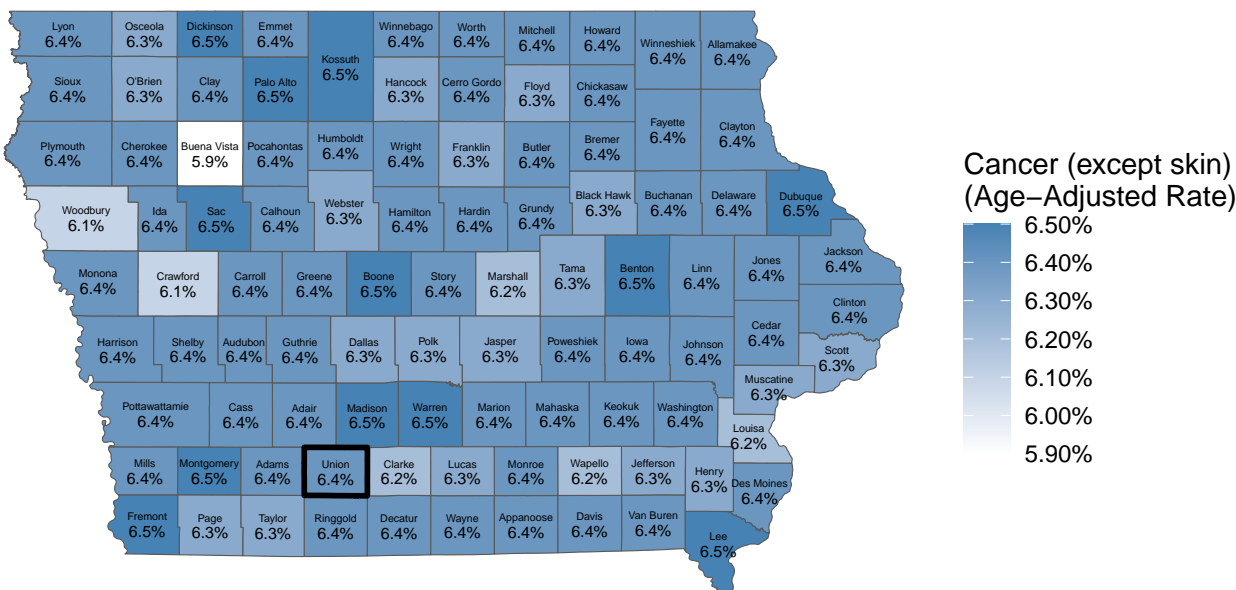# High Cholesterol

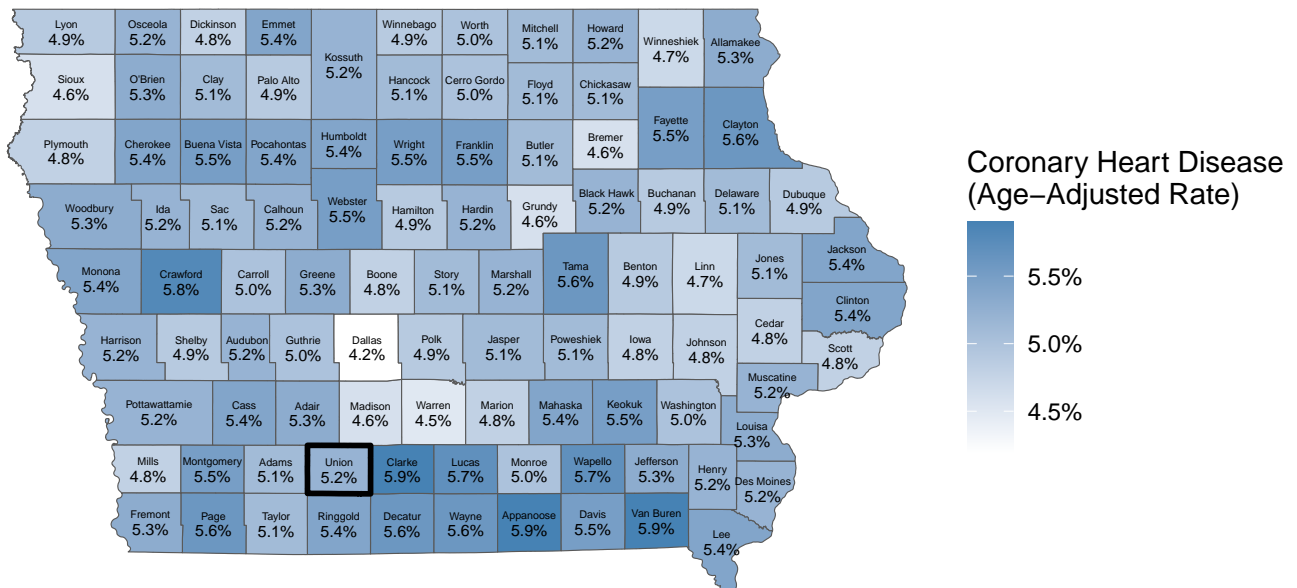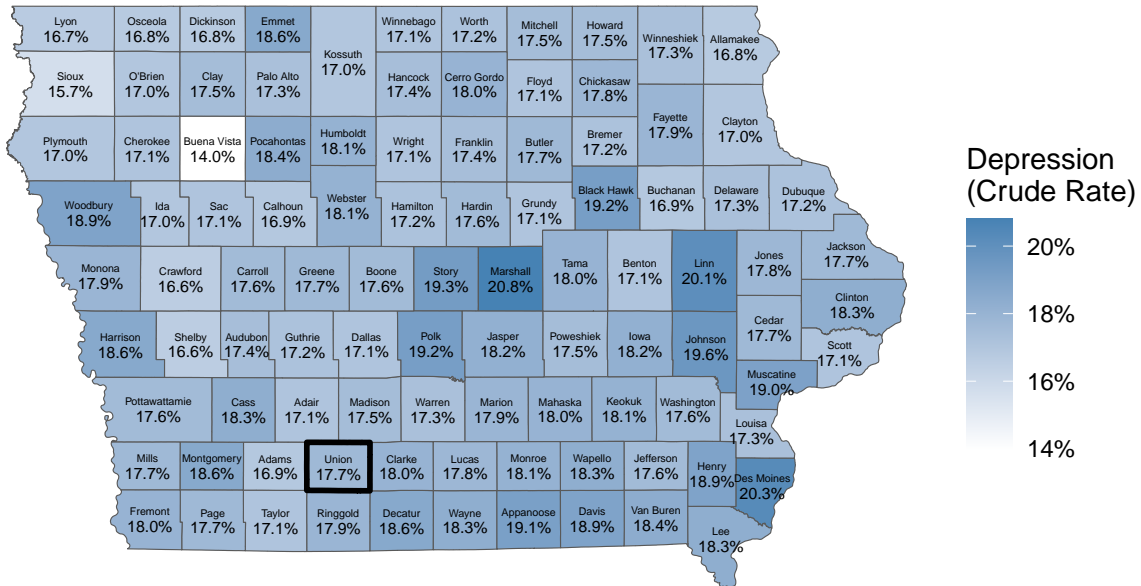High cholesterol among adults aged >=18 years who have been screened in the past 5 years



## High Cholesterol (Crude Rate)

| County | % |
|--------|---|
| Lyon | 35.0% |
| Osceola | 38.1% |
| Dickinson | 38.8% |
| Emmet | 38.5% |
| Kossuth | 38.8% |
| Winnebago | 37.1% |
| Worth | 37.2% |
| Mitchell | 37.8% |
| Howard | 37.1% |
| Winneshiek | 35.0% |
| Allamakee | 39.5% |
| Sioux | 32.4% |
| O'Brien | 37.3% |
| Clay | 37.9% |
| Palo Alto | 37.1% |
| Hancock | 38.9% |
| Cerro Gordo | 39.5% |
| Floyd | 35.6% |
| Chickasaw | 37.9% |
| Fayette | 38.2% |
| Clayton | 40.1% |
| Plymouth | 37.2% |
| Cherokee | 38.7% |
| Buena Vista | 39.1% |
| Pocahontas | 40.1% |
| Humboldt | 38.7% |
| Wright | 38.1% |
| Franklin | 37.3% |
| Butler | 38.7% |
| Bremer | 33.6% |
| Black Hawk | 35.1% |
| Buchanan | 37.8% |
| Delaware | 37.9% |
| Dubuque | 35.4% |
| Woodbury | 37.5% |
| Ida | 37.3% |
| Sac | 38.4% |
| Calhoun | 37.5% |
| Webster | 34.5% |
| Hamilton | 36.9% |
| Hardin | 38.7% |
| Grundy | 35.8% |
| Jackson | 38.1% |
| Monona | 38.8% |
| Crawford | 36.7% |
| Carroll | 37.3% |
| Greene | 39.1% |
| Boone | 36.5% |
| Story | 29.0% |
| Marshall | 37.5% |
| Tama | 38.3% |
| Benton | 36.9% |
| Linn | 34.4% |
| Jones | 37.6% |
| Clinton | 36.9% |
| Cedar | 37.5% |
| Scott | 35.3% |
| Harrison | 38.0% |
| Shelby | 37.5% |
| Audubon | 39.3% |
| Guthrie | 37.9% |
| Dallas | 32.2% |
| Polk | 35.3% |
| Jasper | 37.6% |
| Poweshiek | 36.2% |
| Iowa | 35.6% |
| Johnson | 27.9% |
| Muscatine | 34.4% |
| Pottawattamie | 35.6% |
| Cass | 37.6% |
| Adair | 37.1% |
| Madison | 34.3% |
| Warren | 34.7% |
| Marion | 37.2% |
| Mahaska | 36.1% |
| Keokuk | 37.7% |
| Washington | 36.8% |
| Louisa | 37.0% |
| Mills | 37.7% |
| Montgomery | 38.8% |
| Adams | 39.1% |
| Union | 36.9% |
| Clarke | 37.7% |
| Lucas | 38.6% |
| Monroe | 36.6% |
| Wapello | 37.4% |
| Jefferson | 37.5% |
| Henry | 37.0% |
| Des Moines | 36.6% |
| Fremont | 39.6% |
| Page | 39.5% |
| Taylor | 37.6% |
| Ringgold | 39.3% |
| Decatur | 36.9% |
| Wayne | 38.9% |
| Appanoose | 39.8% |
| Davis | 38.2% |
| Van Buren | 39.2% |
| Lee | 37.8% |

Legend values: 40.0%, 37.5%, 35.0%, 32.5%, 30.0%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



## High Cholesterol (Age–Adjusted Rate)

| County | % |
|--------|---|
| Lyon | 28.6% |
| Osceola | 29.6% |
| Dickinson | 29.3% |
| Emmet | 30.8% |
| Kossuth | 29.7% |
| Winnebago | 29.8% |
| Worth | 29.4% |
| Mitchell | 30.0% |
| Howard | 29.4% |
| Winneshiek | 28.3% |
| Allamakee | 30.3% |
| Sioux | 28.0% |
| O'Brien | 29.8% |
| Clay | 30.2% |
| Palo Alto | 29.4% |
| Hancock | 30.3% |
| Cerro Gordo | 31.2% |
| Floyd | 27.8% |
| Chickasaw | 29.6% |
| Fayette | 30.2% |
| Clayton | 30.6% |
| Plymouth | 30.4% |
| Cherokee | 29.7% |
| Buena Vista | 33.6% |
| Pocahontas | 30.7% |
| Humboldt | 30.6% |
| Wright | 29.7% |
| Franklin | 29.0% |
| Butler | 30.4% |
| Bremer | 28.1% |
| Black Hawk | 30.7% |
| Buchanan | 30.8% |
| Delaware | 29.7% |
| Dubuque | 29.7% |
| Woodbury | 32.8% |
| Ida | 29.4% |
| Sac | 29.5% |
| Calhoun | 29.7% |
| Webster | 28.8% |
| Hamilton | 29.1% |
| Hardin | 30.5% |
| Grundy | 28.6% |
| Jackson | 29.6% |
| Monona | 29.8% |
| Crawford | 30.4% |
| Carroll | 29.6% |
| Greene | 30.4% |
| Boone | 29.9% |
| Story | 29.7% |
| Marshall | 31.2% |
| Tama | 30.4% |
| Benton | 29.6% |
| Linn | 29.6% |
| Jones | 30.1% |
| Clinton | 29.5% |
| Cedar | 29.9% |
| Scott | 29.9% |
| Harrison | 30.4% |
| Shelby | 28.9% |
| Audubon | 29.9% |
| Guthrie | 29.1% |
| Dallas | 29.6% |
| Polk | 31.7% |
| Jasper | 30.8% |
| Poweshiek | 29.8% |
| Iowa | 28.5% |
| Johnson | 27.3% |
| Muscatine | 28.5% |
| Pottawattamie | 29.2% |
| Cass | 29.1% |
| Adair | 28.9% |
| Madison | 28.1% |
| Warren | 29.6% |
| Marion | 30.9% |
| Mahaska | 30.0% |
| Keokuk | 29.5% |
| Washington | 29.7% |
| Louisa | 29.8% |
| Mills | 30.1% |
| Montgomery | 30.4% |
| Adams | 29.7% |
| Union | 29.8% |
| Clarke | 30.3% |
| Lucas | 29.9% |
| Monroe | 29.2% |
| Wapello | 31.1% |
| Jefferson | 30.3% |
| Henry | 30.4% |
| Des Moines | 29.1% |
| Fremont | 30.8% |
| Page | 31.7% |
| Taylor | 29.4% |
| Ringgold | 30.2% |
| Decatur | 30.8% |
| Wayne | 30.3% |
| Appanoose | 30.6% |
| Davis | 30.9% |
| Van Buren | 30.4% |
| Lee | 30.0% |

Legend values: 32%, 30%, 28%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Chronic Kidney Disease

## Chronic kidney disease among adults aged >=18 years

**Chronic Kidney Disease (Crude Rate)**

Legend: 3.6%, 3.2%, 2.8%, 2.4%

County values (Crude Rate):
Lyon 3.1%, Osceola 3.6%, Dickinson 3.5%, Emmet 3.5%, Winnebago 3.3%, Worth 3.3%, Mitchell 3.4%, Howard 3.4%, Winneshiek 3.1%, Allamakee 3.6%
Sioux 2.8%, O'Brien 3.5%, Clay 3.4%, Palo Alto 3.4%, Kossuth 3.7%, Hancock 3.5%, Cerro Gordo 3.5%, Floyd 3.5%, Chickasaw 3.4%, Fayette 3.6%, Clayton 3.8%
Plymouth 3.1%, Cherokee 3.7%, Buena Vista 3.2%, Pocahontas 3.8%, Humboldt 3.6%, Wright 3.7%, Franklin 3.7%, Butler 3.5%, Bremer 3.0%
Woodbury 3.1%, Ida 3.5%, Sac 3.6%, Calhoun 3.5%, Webster 3.2%, Hamilton 3.3%, Hardin 3.5%, Grundy 3.1%, Black Hawk 3.0%, Buchanan 3.1%, Delaware 3.3%, Dubuque 3.0%
Monona 3.8%, Crawford 3.5%, Carroll 3.4%, Greene 3.6%, Boone 3.1%, Story 2.3%, Marshall 3.3%, Tama 3.6%, Benton 3.2%, Linn 2.9%, Jones 3.3%, Jackson 3.5%
Harrison 3.3%, Shelby 3.5%, Audubon 3.7%, Guthrie 3.5%, Dallas 2.4%, Polk 2.7%, Jasper 3.2%, Poweshiek 3.2%, Iowa 3.2%, Johnson 2.3%, Cedar 3.2%, Clinton 3.4%, Scott 3.0%
Pottawattamie 3.2%, Cass 3.7%, Adair 3.6%, Madison 2.9%, Warren 2.7%, Marion 3.0%, Mahaska 3.2%, Keokuk 3.6%, Washington 3.3%, Muscatine 3.2%, Louisa 3.4%
Mills 3.1%, Montgomery 3.7%, Adams 3.7%, Union 3.4%, Clarke 3.6%, Lucas 3.7%, Monroe 3.3%, Wapello 3.4%, Jefferson 3.3%, Henry 3.2%, Des Moines 3.5%
Fremont 3.6%, Page 3.5%, Taylor 3.5%, Ringgold 3.8%, Decatur 3.3%, Wayne 3.7%, Appanoose 3.9%, Davis 3.4%, Van Buren 3.7%, Lee 3.5%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

**Chronic Kidney Disease (Age–Adjusted Rate)**

Legend: 3.0%, 2.8%, 2.6%, 2.4%

County values (Age–Adjusted Rate):
Lyon 2.5%, Osceola 2.7%, Dickinson 2.5%, Emmet 2.8%, Winnebago 2.6%, Worth 2.6%, Mitchell 2.6%, Howard 2.6%, Winneshiek 2.5%, Allamakee 2.7%
Sioux 2.5%, O'Brien 2.7%, Clay 2.6%, Palo Alto 2.6%, Kossuth 2.7%, Hancock 2.6%, Cerro Gordo 2.6%, Floyd 2.7%, Chickasaw 2.6%, Fayette 2.8%, Clayton 2.7%
Plymouth 2.5%, Cherokee 2.7%, Buena Vista 2.9%, Pocahontas 2.7%, Humboldt 2.7%, Wright 2.8%, Franklin 2.8%, Butler 2.6%, Bremer 2.5%
Woodbury 2.9%, Ida 2.7%, Sac 2.6%, Calhoun 2.7%, Webster 2.8%, Hamilton 2.6%, Hardin 2.7%, Grundy 2.5%, Black Hawk 2.8%, Buchanan 2.5%, Delaware 2.6%, Dubuque 2.6%
Monona 2.7%, Crawford 3.0%, Carroll 2.6%, Greene 2.7%, Boone 2.5%, Story 2.6%, Marshall 2.8%, Tama 2.8%, Benton 2.6%, Linn 2.6%, Jones 2.6%, Jackson 2.7%
Harrison 2.6%, Shelby 2.6%, Audubon 2.6%, Guthrie 2.6%, Dallas 2.3%, Polk 2.6%, Jasper 2.6%, Poweshiek 2.6%, Iowa 2.5%, Johnson 2.6%, Cedar 2.5%, Clinton 2.7%, Scott 2.6%
Pottawattamie 2.7%, Cass 2.8%, Adair 2.7%, Madison 2.5%, Warren 2.4%, Marion 2.5%, Mahaska 2.7%, Keokuk 2.8%, Washington 2.6%, Muscatine 2.7%, Louisa 2.8%
Mills 2.5%, Montgomery 2.8%, Adams 2.6%, Union 2.7%, Clarke 2.9%, Lucas 2.8%, Monroe 2.6%, Wapello 2.9%, Jefferson 2.7%, Henry 2.7%, Des Moines 2.8%
Fremont 2.7%, Page 2.8%, Taylor 2.6%, Ringgold 2.7%, Decatur 2.8%, Wayne 2.8%, Appanoose 2.9%, Davis 2.7%, Van Buren 2.9%, Lee 2.7%
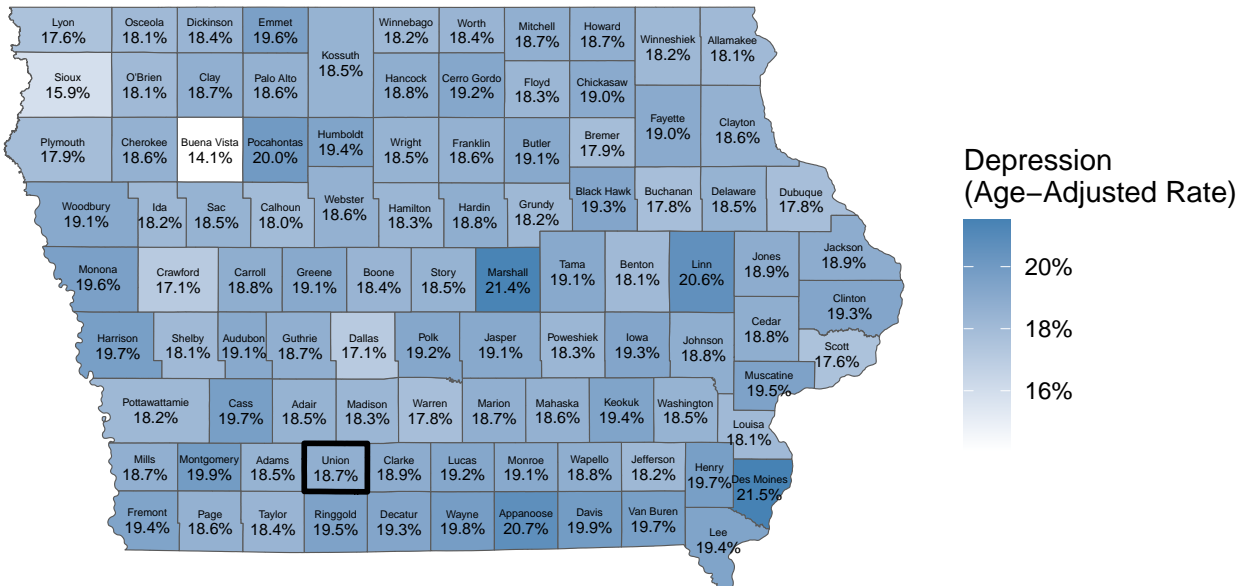
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Obesity

## Obesity among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021
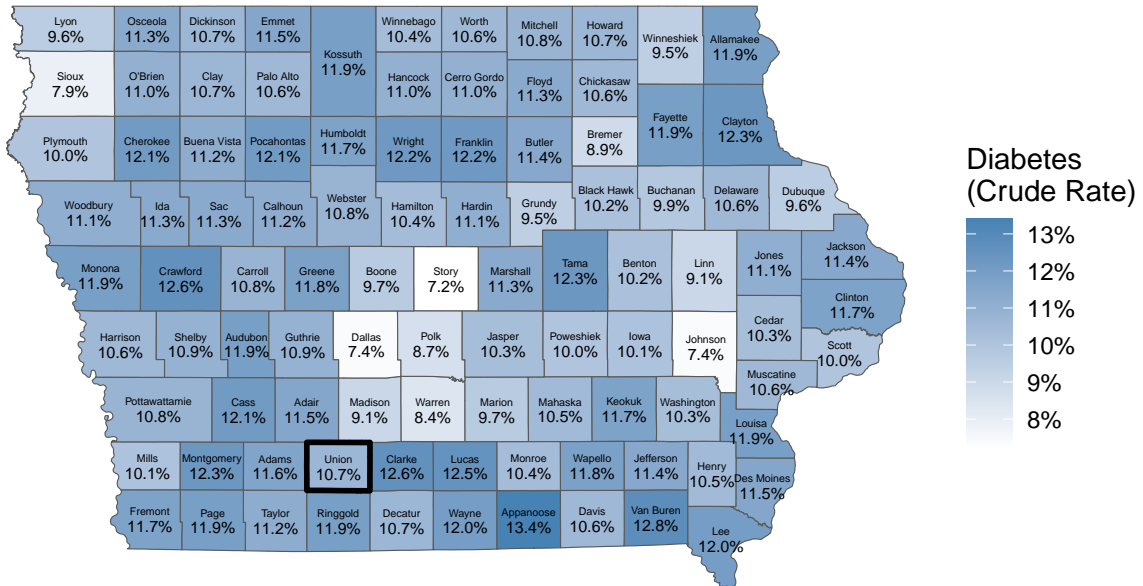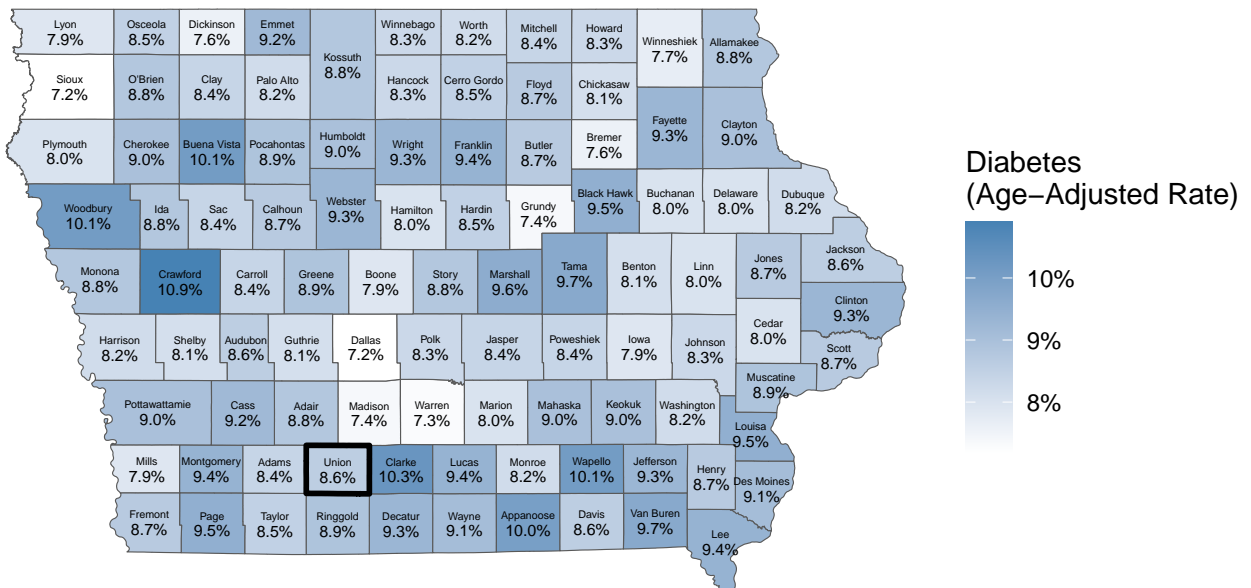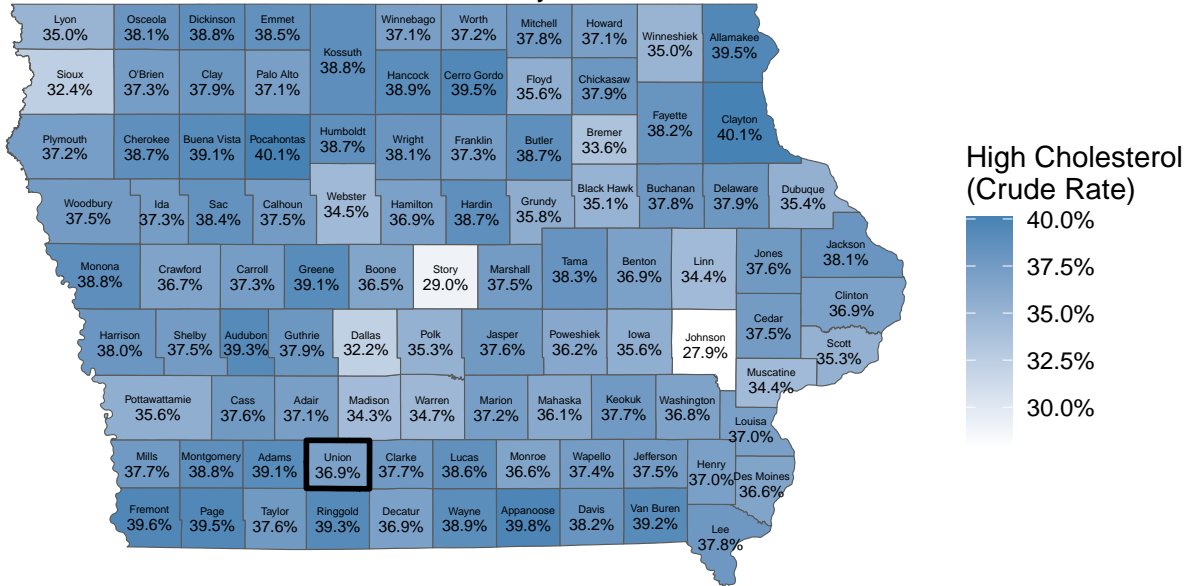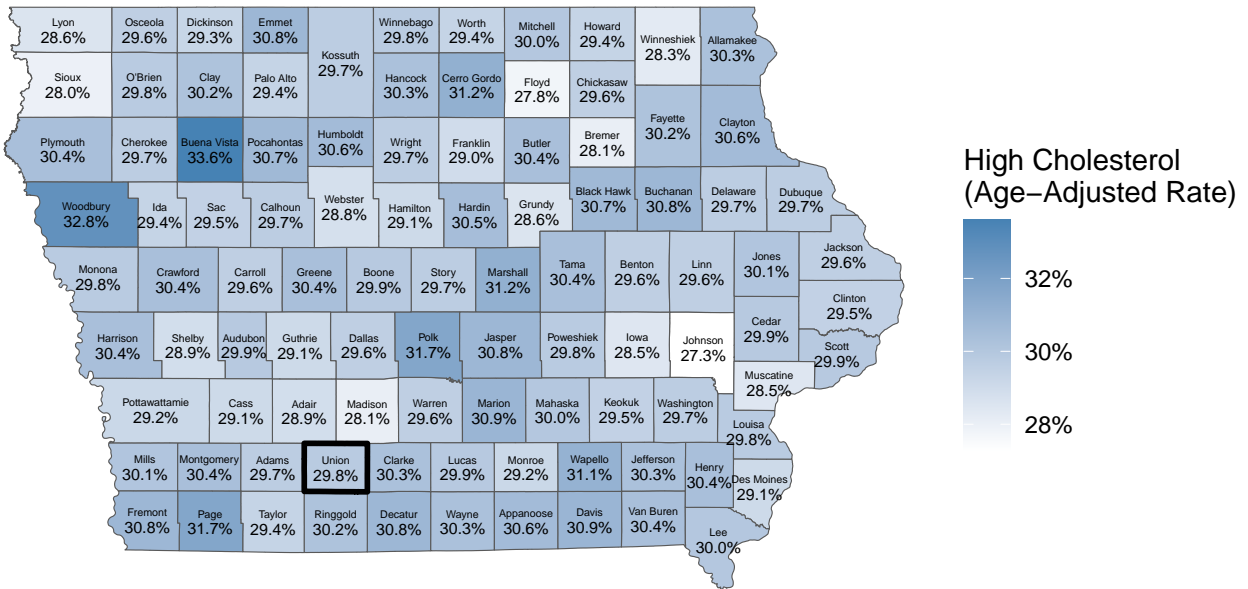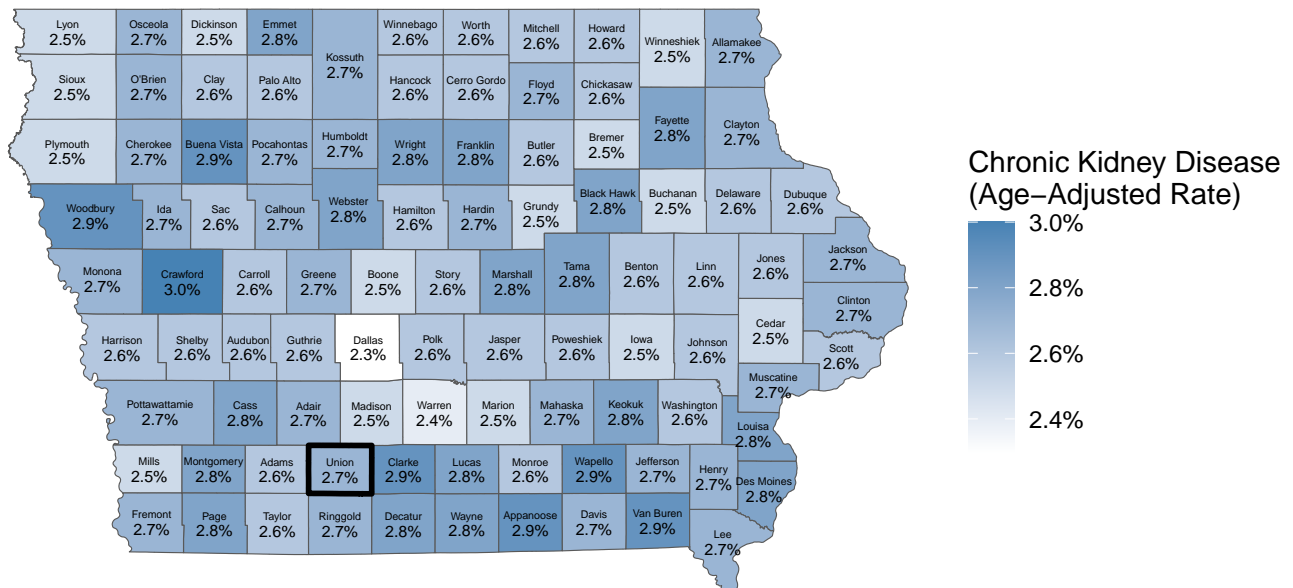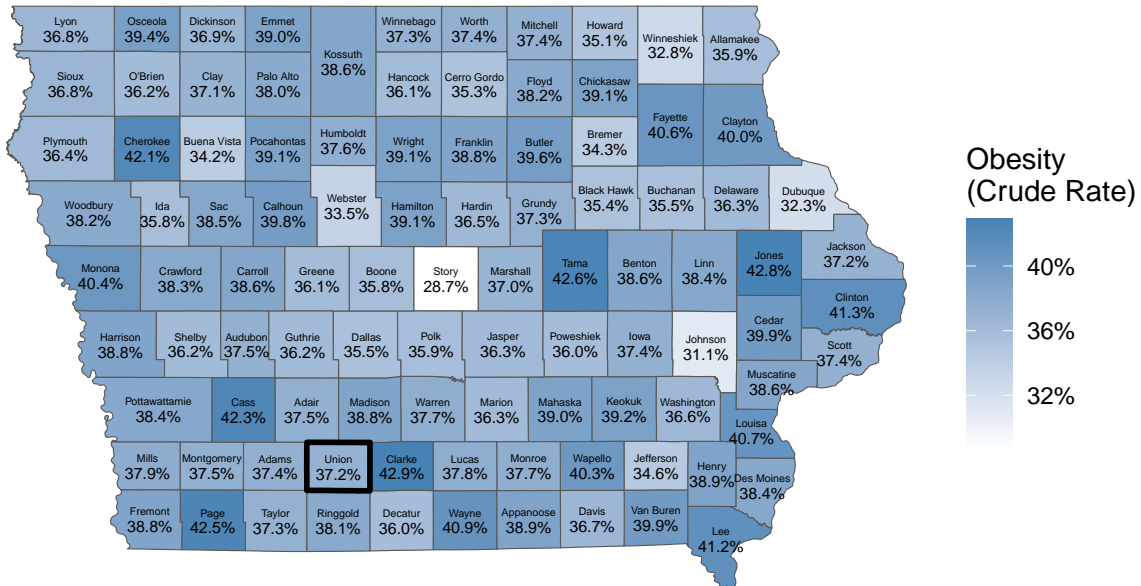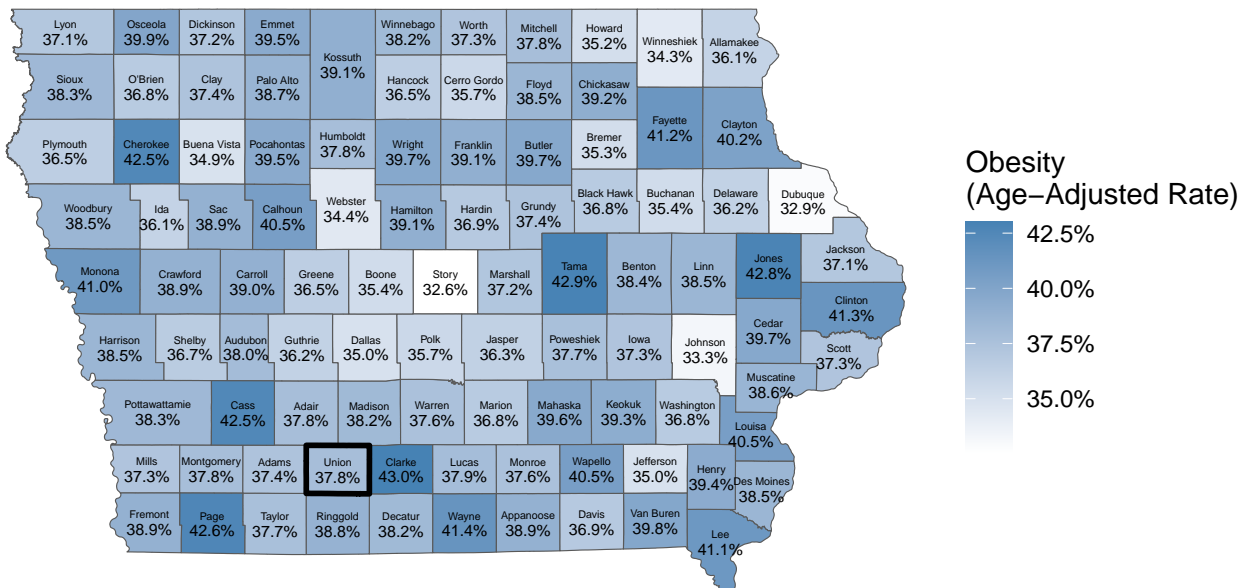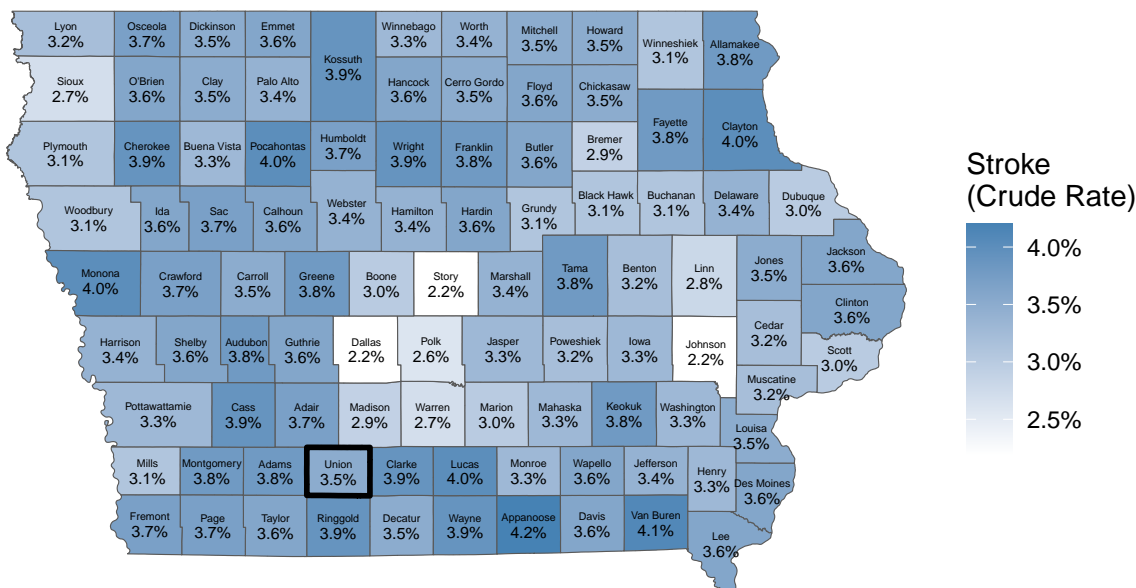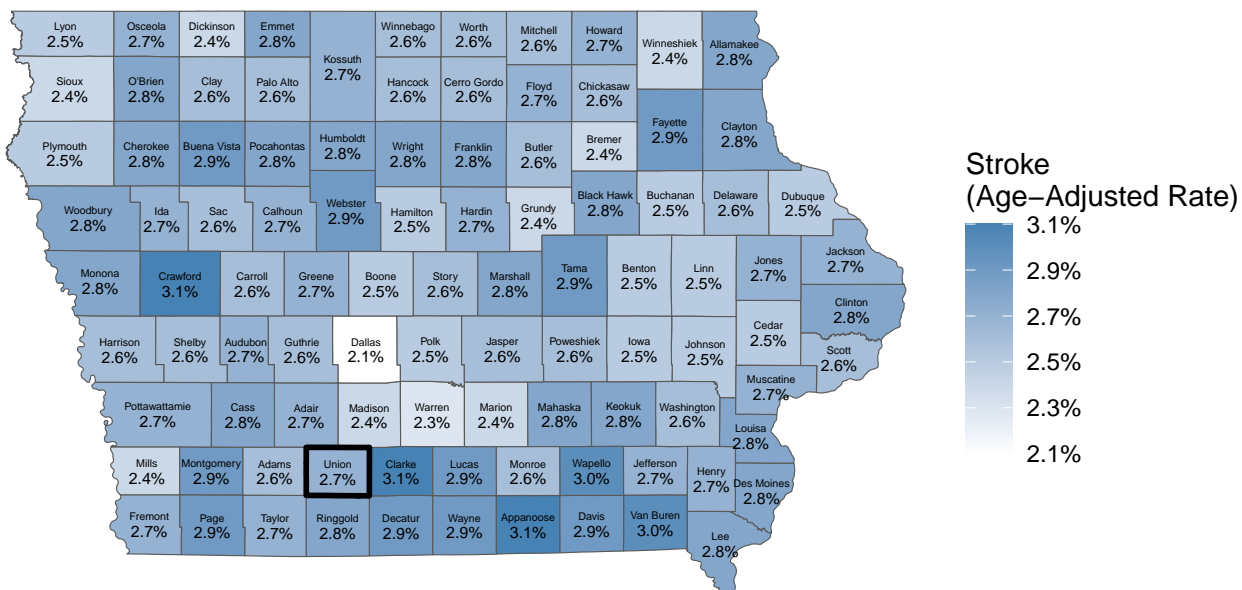
# Stroke

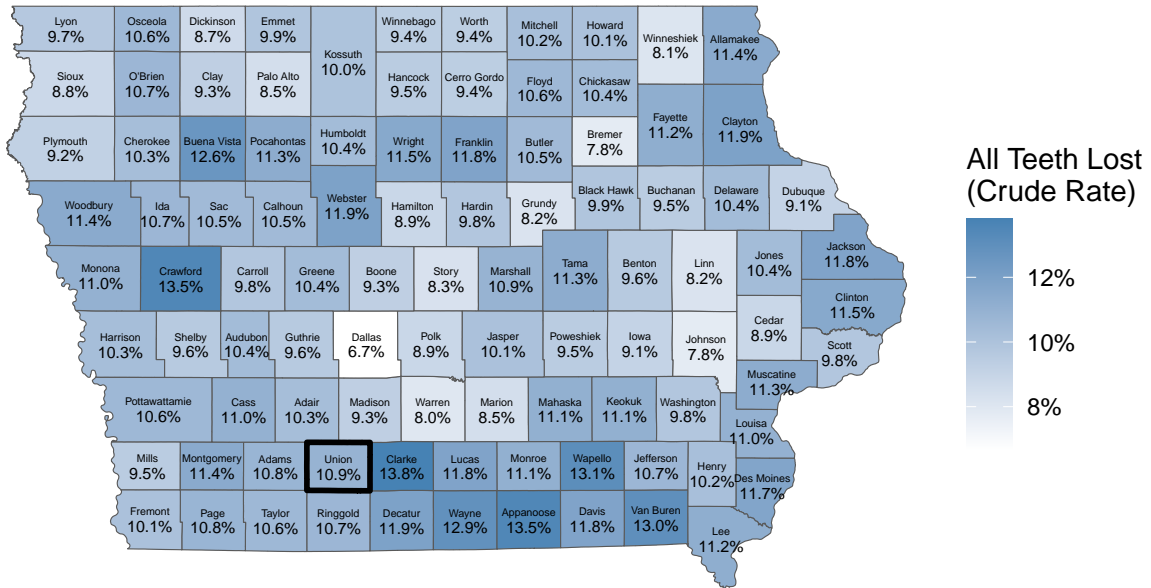## Stroke among adults aged >=18 years



Stroke
(Crude Rate)

- 4.0%
- 3.5%
- 3.0%
- 2.5%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



Stroke
(Age–Adjusted Rate)

- 3.1%
- 2.9%
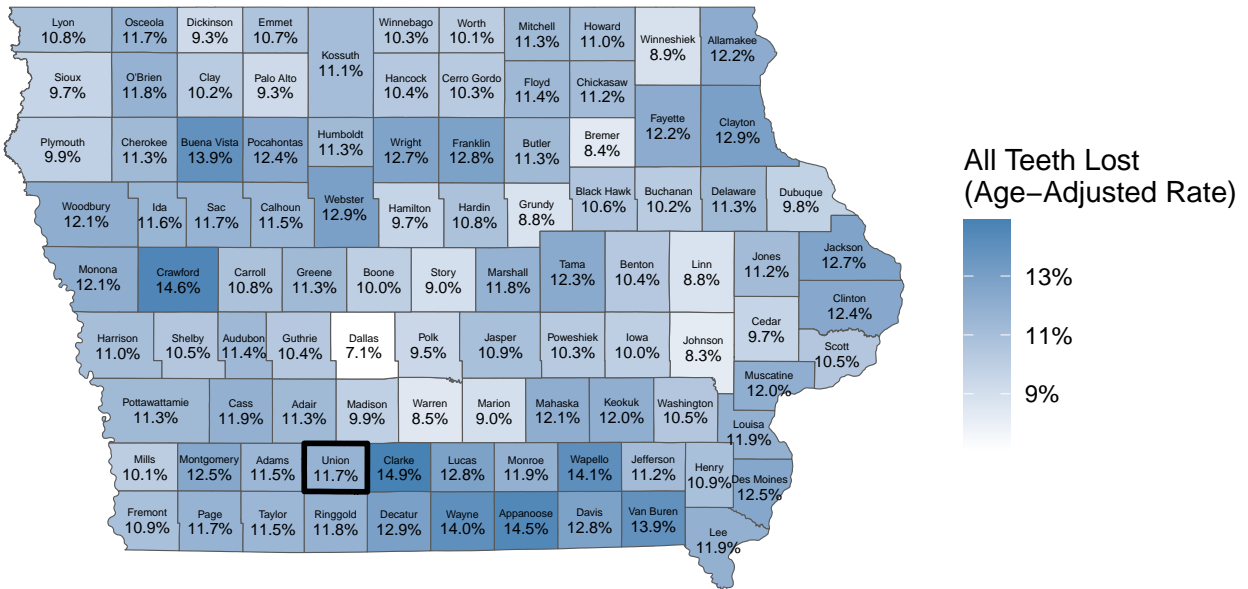- 2.7%
- 2.5%
- 2.3%
- 2.1%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# All Teeth Lost

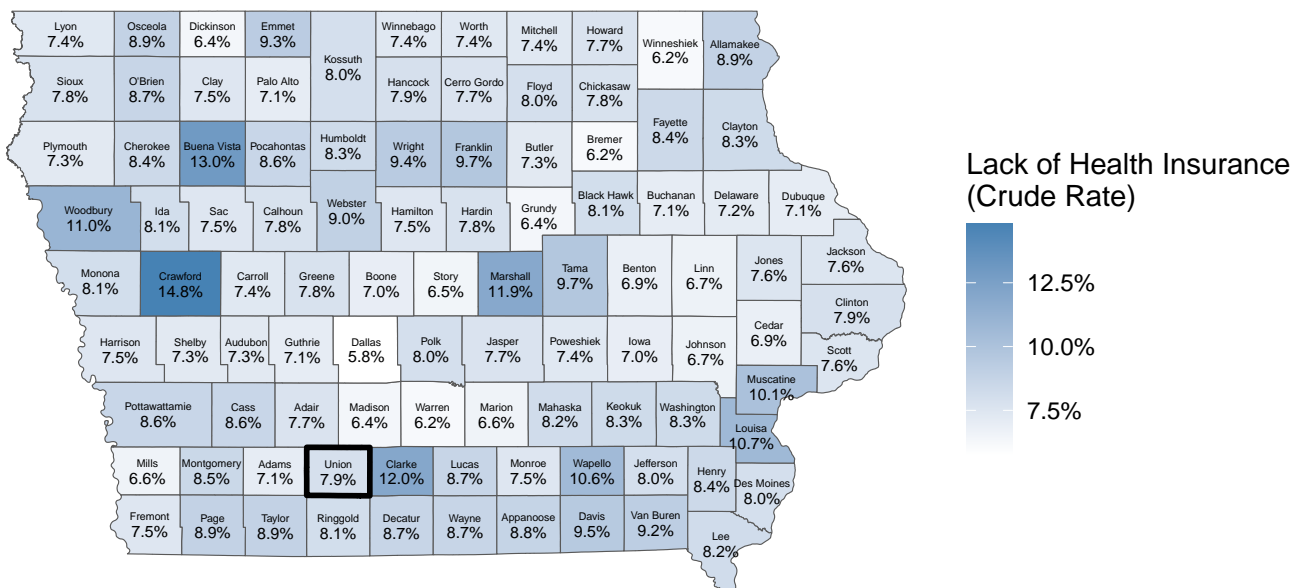## All teeth lost among adults aged >=65 years



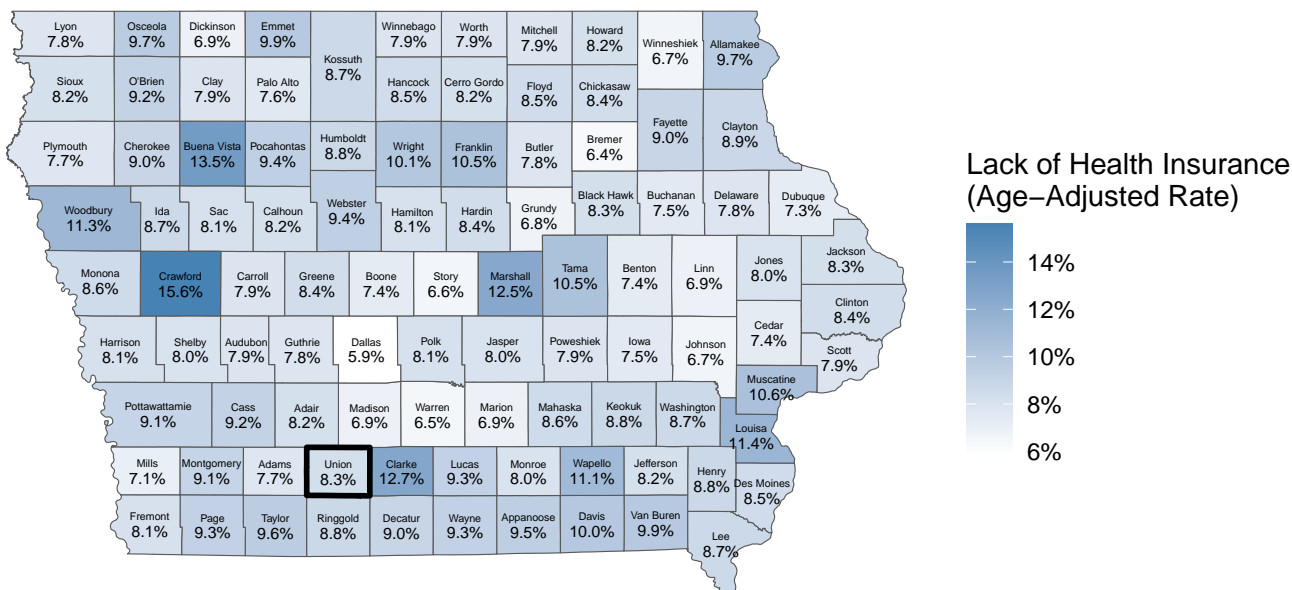Data Source: CDC PLACES 2023 Release, BRFSS 2020



Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Lack of Health Insurance

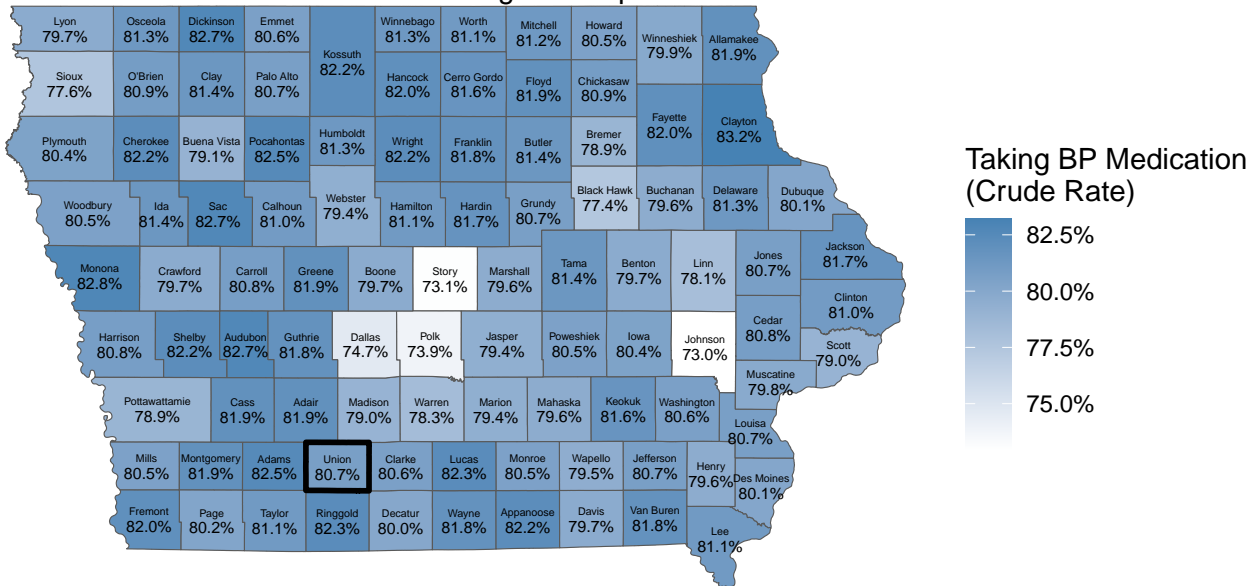## Current lack of health insurance among adults aged 18–64 years



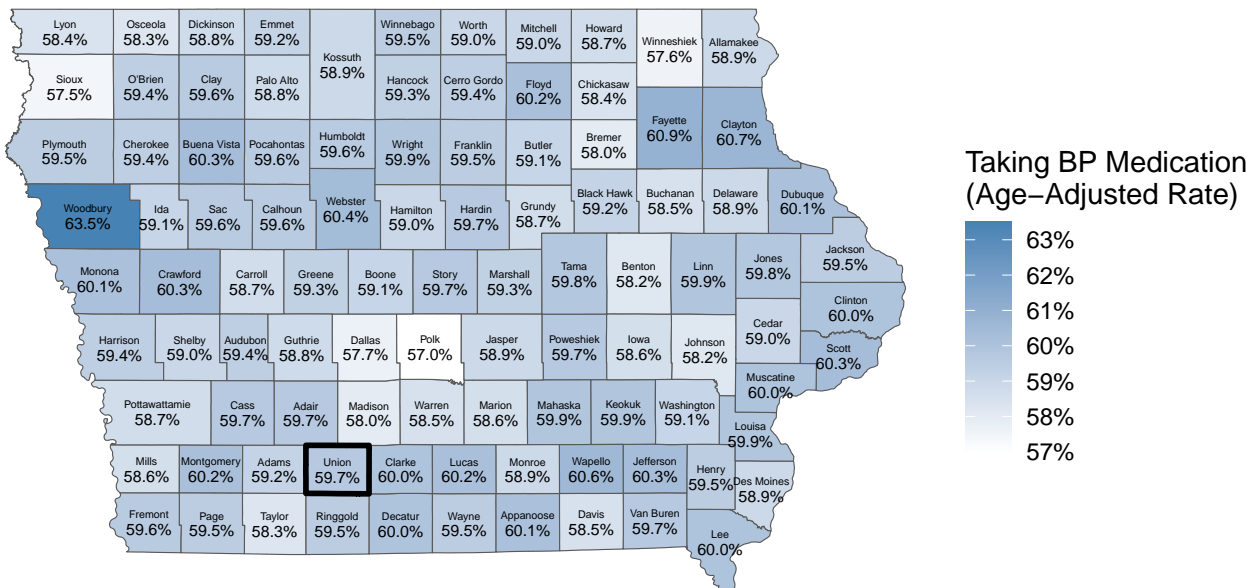Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Taking BP Medication

## Taking medicine for high blood pressure control among adults aged >=18 years with high blood pressure
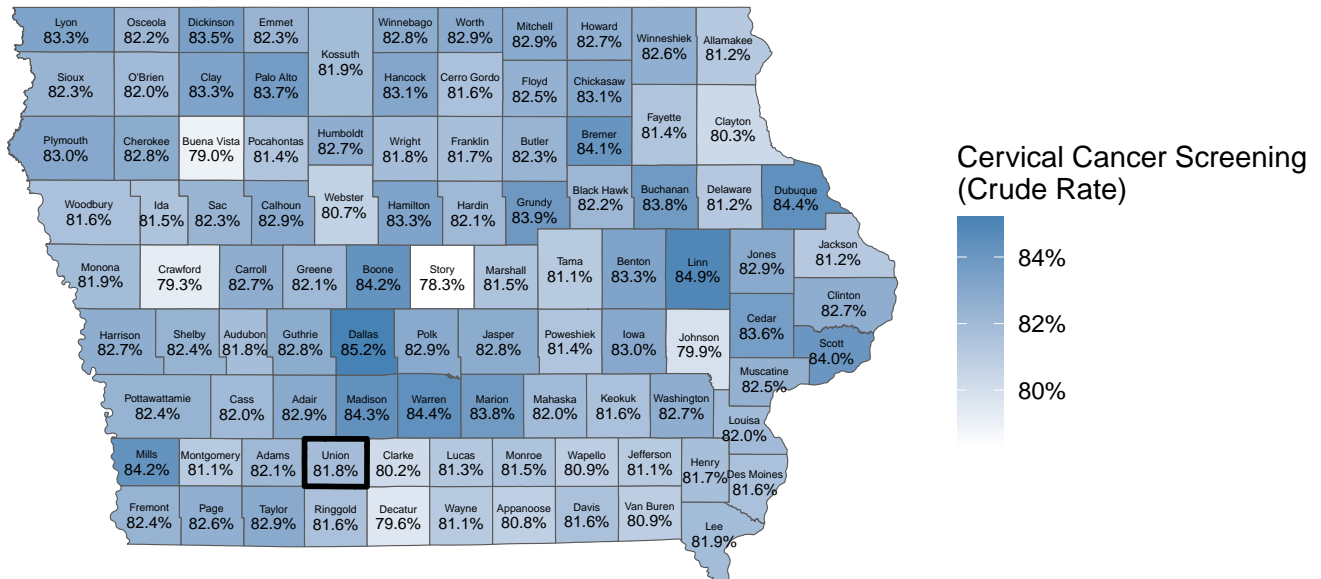


**Taking BP Medication (Crude Rate)**

- 82.5%
- 80.0%
- 77.5%
- 75.0%

Lyon 79.7%, Osceola 81.3%, Dickinson 82.7%, Emmet 80.6%, Kossuth 82.2%, Winnebago 81.3%, Worth 81.1%, Mitchell 81.2%, Howard 80.5%, Winneshiek 79.9%, Allamakee 81.9%

Sioux 77.6%, O'Brien 80.9%, Clay 81.4%, Palo Alto 80.7%, Hancock 82.0%, Cerro Gordo 81.6%, Floyd 81.9%, Chickasaw 80.9%, Fayette 82.0%, Clayton 83.2%

Plymouth 80.4%, Cherokee 82.2%, Buena Vista 79.1%, Pocahontas 82.5%, Humboldt 81.3%, Wright 82.2%, Franklin 81.8%, Butler 81.4%, Bremer 78.9%

Woodbury 80.5%, Ida 81.4%, Sac 82.7%, Calhoun 81.0%, Webster 79.4%, Hamilton 81.1%, Hardin 81.7%, Grundy 80.7%, Black Hawk 77.4%, Buchanan 79.6%, Delaware 81.3%, Dubuque 80.1%

Monona 82.8%, Crawford 79.7%, Carroll 80.8%, Greene 81.9%, Boone 79.7%, Story 73.1%, Marshall 79.6%, Tama 81.4%, Benton 79.7%, Linn 78.1%, Jones 80.7%, Jackson 81.7%, Clinton 81.0%

Harrison 80.8%, Shelby 82.2%, Audubon 82.7%, Guthrie 81.8%, Dallas 74.7%, Polk 73.9%, Jasper 79.4%, Poweshiek 80.5%, Iowa 80.4%, Johnson 73.0%, Cedar 80.8%, Scott 79.0%

Pottawattamie 78.9%, Cass 81.9%, Adair 81.9%, Madison 79.0%, Warren 78.3%, Marion 79.4%, Mahaska 79.6%, Keokuk 81.6%, Washington 80.6%, Muscatine 79.8%, Louisa 80.7%

Mills 80.5%, Montgomery 81.9%, Adams 82.5%, Union 80.7%, Clarke 80.6%, Lucas 82.3%, Monroe 80.5%, Wapello 79.5%, Jefferson 80.7%, Henry 79.6%, Des Moines 80.1%

Fremont 82.0%, Page 80.2%, Taylor 81.1%, Ringgold 82.3%, Decatur 80.0%, Wayne 81.8%, Appanoose 82.2%, Davis 79.7%, Van Buren 81.8%, Lee 81.1%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**Taking BP Medication (Age−Adjusted Rate)**

- 63%
- 62%
- 61%
- 60%
- 59%
- 58%
- 57%

Lyon 58.4%, Osceola 58.3%, Dickinson 58.8%, Emmet 59.2%, Kossuth 58.9%, Winnebago 59.5%, Worth 59.0%, Mitchell 59.0%, Howard 58.7%, Winneshiek 57.6%, Allamakee 58.9%

Sioux 57.5%, O'Brien 59.4%, Clay 59.6%, Palo Alto 58.8%, Hancock 59.3%, Cerro Gordo 59.4%, Floyd 60.2%, Chickasaw 58.4%, Fayette 60.9%, Clayton 60.7%

Plymouth 59.5%, Cherokee 59.4%, Buena Vista 60.3%, Pocahontas 59.6%, Humboldt 59.6%, Wright 59.9%, Franklin 59.5%, Butler 59.1%, Bremer 58.0%

Woodbury 63.5%, Ida 59.1%, Sac 59.6%, Calhoun 59.6%, Webster 60.4%, Hamilton 59.0%, Hardin 59.7%, Grundy 58.7%, Black Hawk 59.2%, Buchanan 58.5%, Delaware 58.9%, Dubuque 60.1%

Monona 60.1%, Crawford 60.3%, Carroll 58.7%, Greene 59.3%, Boone 59.1%, Story 59.7%, Marshall 59.3%, Tama 59.8%, Benton 58.2%, Linn 59.9%, Jones 59.8%, Jackson 59.5%, Clinton 60.0%

Harrison 59.4%, Shelby 59.0%, Audubon 59.4%, Guthrie 58.8%, Dallas 57.7%, Polk 57.0%, Jasper 58.9%, Poweshiek 59.7%, Iowa 58.6%, Johnson 58.2%, Cedar 59.0%, Scott 60.3%

Pottawattamie 58.7%, Cass 59.7%, Adair 59.7%, Madison 58.0%, Warren 58.5%, Marion 58.6%, Mahaska 59.9%, Keokuk 59.9%, Washington 59.1%, Muscatine 60.0%, Louisa 59.9%

Mills 58.6%, Montgomery 60.2%, Adams 59.2%, Union 59.7%, Clarke 60.0%, Lucas 60.2%, Monroe 58.9%, Wapello 60.6%, Jefferson 60.3%, Henry 59.5%, Des Moines 58.9%

Fremont 59.6%, Page 59.5%, Taylor 58.3%, Ringgold 59.5%, Decatur 60.0%, Wayne 59.5%, Appanoose 60.1%, Davis 58.5%, Van Buren 59.7%, Lee 60.0%
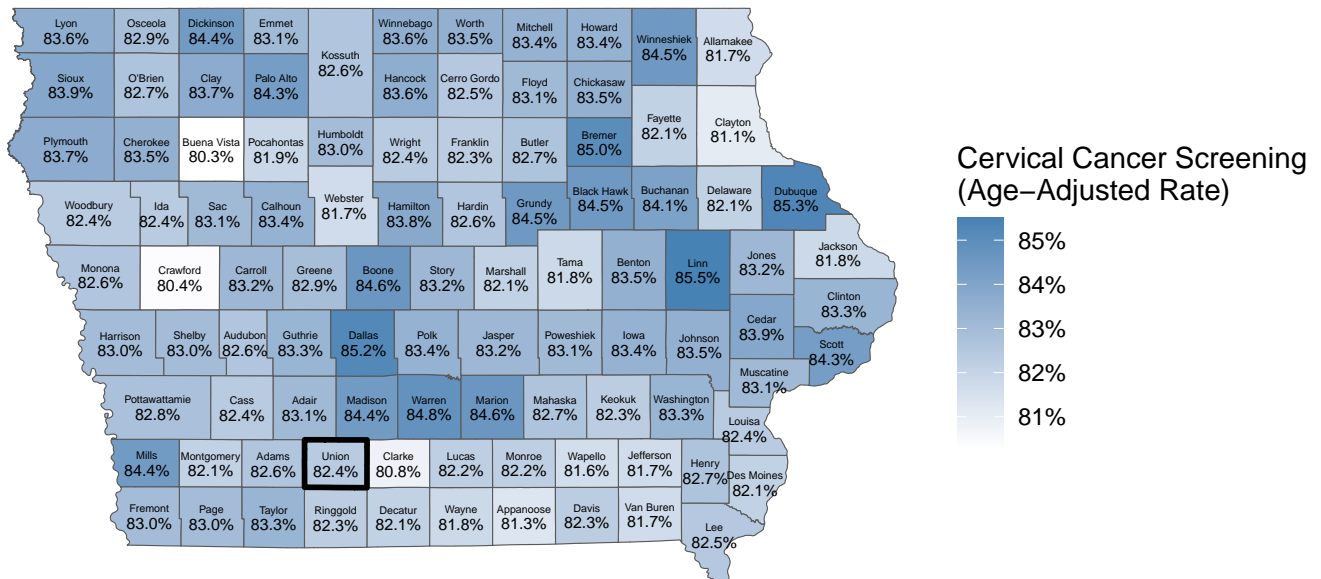
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Cervical Cancer Screening

## Cervical cancer screening among adult women aged 21–65 years
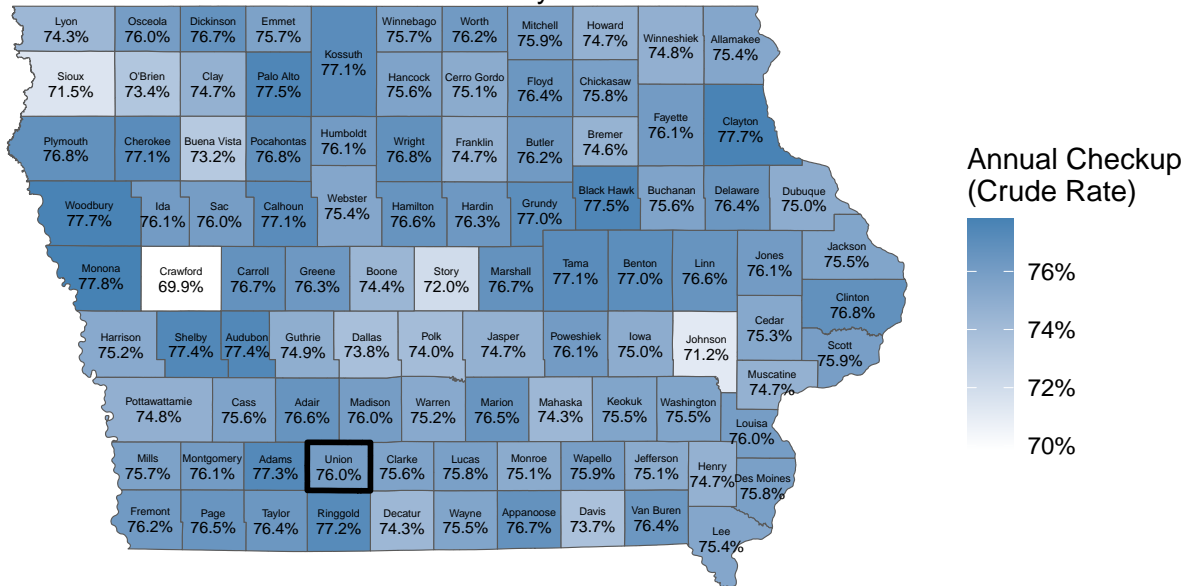
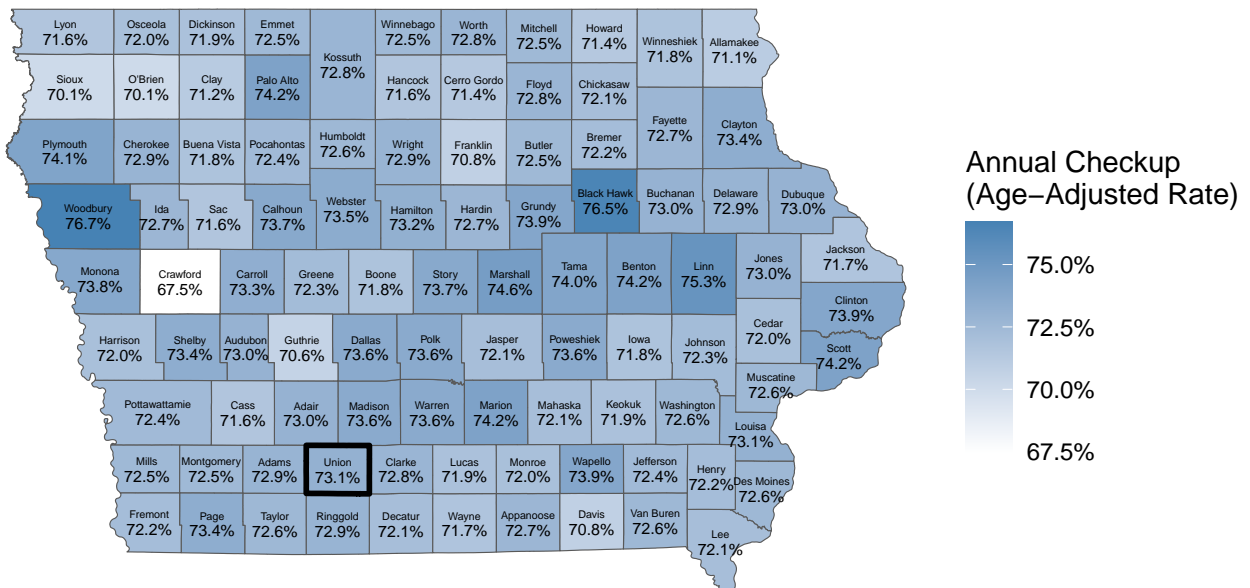

Data Source: CDC PLACES 2023 Release, BRFSS 2020



Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Annual Checkup

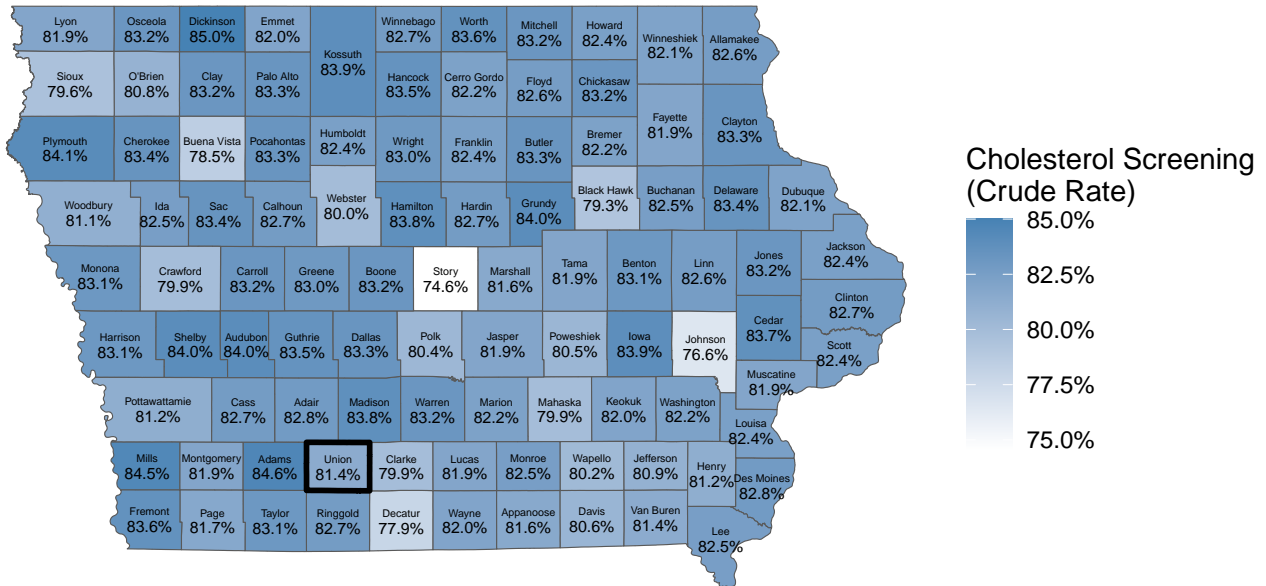## Visits to doctor for routine checkup within the past year among adults aged >=18 years



**Annual Checkup (Crude Rate)**

| County | Rate |
|--------|------|
| Lyon | 74.3% |
| Osceola | 76.0% |
| Dickinson | 76.7% |
| Emmet | 75.7% |
| Kossuth | 77.1% |
| Winnebago | 75.7% |
| Worth | 76.2% |
| Mitchell | 75.9% |
| Howard | 74.7% |
| Winneshiek | 74.8% |
| Allamakee | 75.4% |
| Sioux | 71.5% |
| O'Brien | 73.4% |
| Clay | 74.7% |
| Palo Alto | 77.5% |
| Hancock | 75.6% |
| Cerro Gordo | 75.1% |
| Floyd | 76.4% |
| Chickasaw | 75.8% |
| Fayette | 76.1% |
| Clayton | 77.7% |
| Plymouth | 76.8% |
| Cherokee | 77.1% |
| Buena Vista | 73.2% |
| Pocahontas | 76.8% |
| Humboldt | 76.1% |
| Wright | 76.8% |
| Franklin | 74.7% |
| Butler | 76.2% |
| Bremer | 74.6% |
| Woodbury | 77.7% |
| Ida | 76.1% |
| Sac | 76.0% |
| Calhoun | 77.1% |
| Webster | 75.4% |
| Hamilton | 76.6% |
| Hardin | 76.3% |
| Grundy | 77.0% |
| Black Hawk | 77.5% |
| Buchanan | 75.6% |
| Delaware | 76.4% |
| Dubuque | 75.0% |
| Monona | 77.8% |
| Crawford | 69.9% |
| Carroll | 76.7% |
| Greene | 76.3% |
| Boone | 74.4% |
| Story | 72.0% |
| Marshall | 76.7% |
| Tama | 77.1% |
| Benton | 77.0% |
| Linn | 76.6% |
| Jones | 76.1% |
| Jackson | 75.5% |
| Clinton | 76.8% |
| Cedar | 75.3% |
| Scott | 75.9% |
| Harrison | 75.2% |
| Shelby | 77.4% |
| Audubon | 77.4% |
| Guthrie | 74.9% |
| Dallas | 73.8% |
| Polk | 74.0% |
| Jasper | 74.7% |
| Poweshiek | 76.1% |
| Iowa | 75.0% |
| Johnson | 71.2% |
| Muscatine | 74.7% |
| Pottawattamie | 74.8% |
| Cass | 75.6% |
| Adair | 76.6% |
| Madison | 76.0% |
| Warren | 75.2% |
| Marion | 76.5% |
| Mahaska | 74.3% |
| Keokuk | 75.5% |
| Washington | 75.5% |
| Louisa | 76.0% |
| Mills | 75.7% |
| Montgomery | 76.1% |
| Adams | 77.3% |
| Union | 76.0% |
| Clarke | 75.6% |
| Lucas | 75.8% |
| Monroe | 75.1% |
| Wapello | 75.9% |
| Jefferson | 75.1% |
| Henry | 74.7% |
| Des Moines | 75.8% |
| Fremont | 76.2% |
| Page | 76.5% |
| Taylor | 76.4% |
| Ringgold | 77.2% |
| Decatur | 74.3% |
| Wayne | 75.5% |
| Appanoose | 76.7% |
| Davis | 73.7% |
| Van Buren | 76.4% |
| Lee | 75.4% |

Legend: 70%, 72%, 74%, 76%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**Annual Checkup (Age−Adjusted Rate)**

| County | Rate |
|--------|------|
| Lyon | 71.6% |
| Osceola | 72.0% |
| Dickinson | 71.9% |
| Emmet | 72.5% |
| Kossuth | 72.8% |
| Winnebago | 72.5% |
| Worth | 72.8% |
| Mitchell | 72.5% |
| Howard | 71.4% |
| Winneshiek | 71.8% |
| Allamakee | 71.1% |
| Sioux | 70.1% |
| O'Brien | 70.1% |
| Clay | 71.2% |
| Palo Alto | 74.2% |
| Hancock | 71.6% |
| Cerro Gordo | 71.4% |
| Floyd | 72.8% |
| Chickasaw | 72.1% |
| Fayette | 72.7% |
| Clayton | 73.4% |
| Plymouth | 74.1% |
| Cherokee | 72.9% |
| Buena Vista | 71.8% |
| Pocahontas | 72.4% |
| Humboldt | 72.6% |
| Wright | 72.9% |
| Franklin | 70.8% |
| Butler | 72.5% |
| Bremer | 72.2% |
| Woodbury | 76.7% |
| Ida | 72.7% |
| Sac | 71.6% |
| Calhoun | 73.7% |
| Webster | 73.5% |
| Hamilton | 73.2% |
| Hardin | 72.7% |
| Grundy | 73.9% |
| Black Hawk | 76.5% |
| Buchanan | 73.0% |
| Delaware | 72.9% |
| Dubuque | 73.0% |
| Monona | 73.8% |
| Crawford | 67.5% |
| Carroll | 73.3% |
| Greene | 72.3% |
| Boone | 71.8% |
| Story | 73.7% |
| Marshall | 74.6% |
| Tama | 74.0% |
| Benton | 74.2% |
| Linn | 75.3% |
| Jones | 73.0% |
| Jackson | 71.7% |
| Clinton | 73.9% |
| Cedar | 72.0% |
| Scott | 74.2% |
| Harrison | 72.0% |
| Shelby | 73.4% |
| Audubon | 73.0% |
| Guthrie | 70.6% |
| Dallas | 73.6% |
| Polk | 73.6% |
| Jasper | 72.1% |
| Poweshiek | 73.6% |
| Iowa | 71.8% |
| Johnson | 72.3% |
| Muscatine | 72.6% |
| Pottawattamie | 72.4% |
| Cass | 71.6% |
| Adair | 73.0% |
| Madison | 73.6% |
| Warren | 73.6% |
| Marion | 74.2% |
| Mahaska | 72.1% |
| Keokuk | 71.9% |
| Washington | 72.6% |
| Louisa | 73.1% |
| Mills | 72.5% |
| Montgomery | 72.5% |
| Adams | 72.9% |
| Union | 73.1% |
| Clarke | 72.8% |
| Lucas | 71.9% |
| Monroe | 72.0% |
| Wapello | 73.9% |
| Jefferson | 72.4% |
| Henry | 72.2% |
| Des Moines | 72.6% |
| Fremont | 72.2% |
| Page | 73.4% |
| Taylor | 72.6% |
| Ringgold | 72.9% |
| Decatur | 72.1% |
| Wayne | 71.7% |
| Appanoose | 72.7% |
| Davis | 70.8% |
| Van Buren | 72.6% |
| Lee | 72.1% |

Legend: 67.5%, 70.0%, 72.5%, 75.0%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Cholesterol Screening

## Cholesterol screening among adults aged >=18 years



**Cholesterol Screening (Crude Rate)**

- 85.0%
- 82.5%
- 80.0%
- 77.5%
- 75.0%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**Cholesterol Screening (Age–Adjusted Rate)**
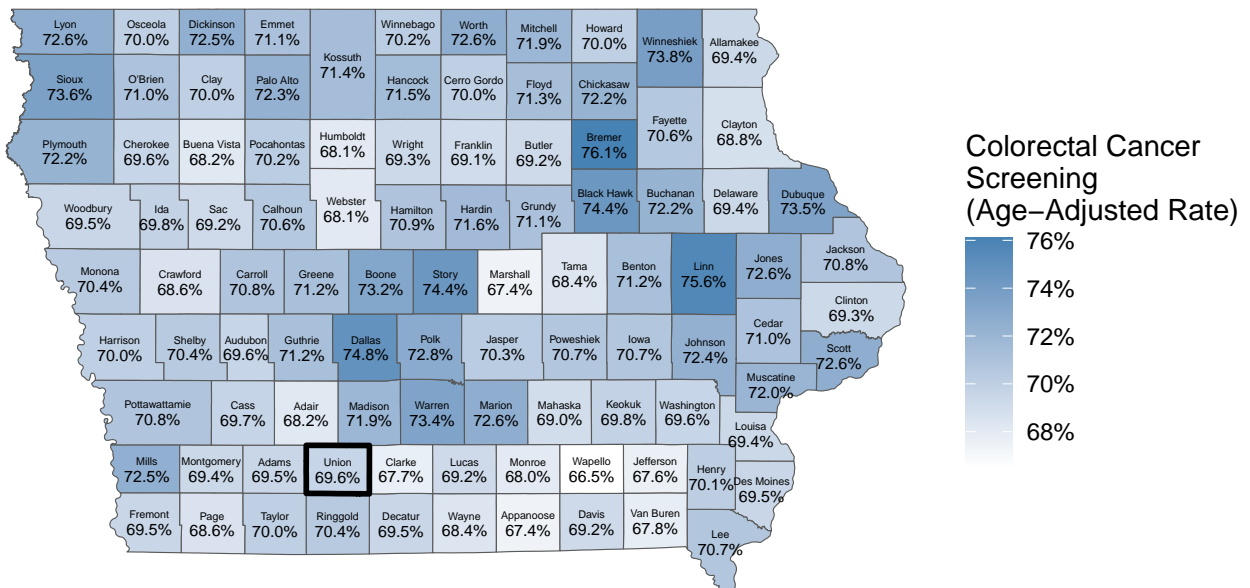
- 82%
- 80%
- 78%

Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Colorectal Cancer Screening

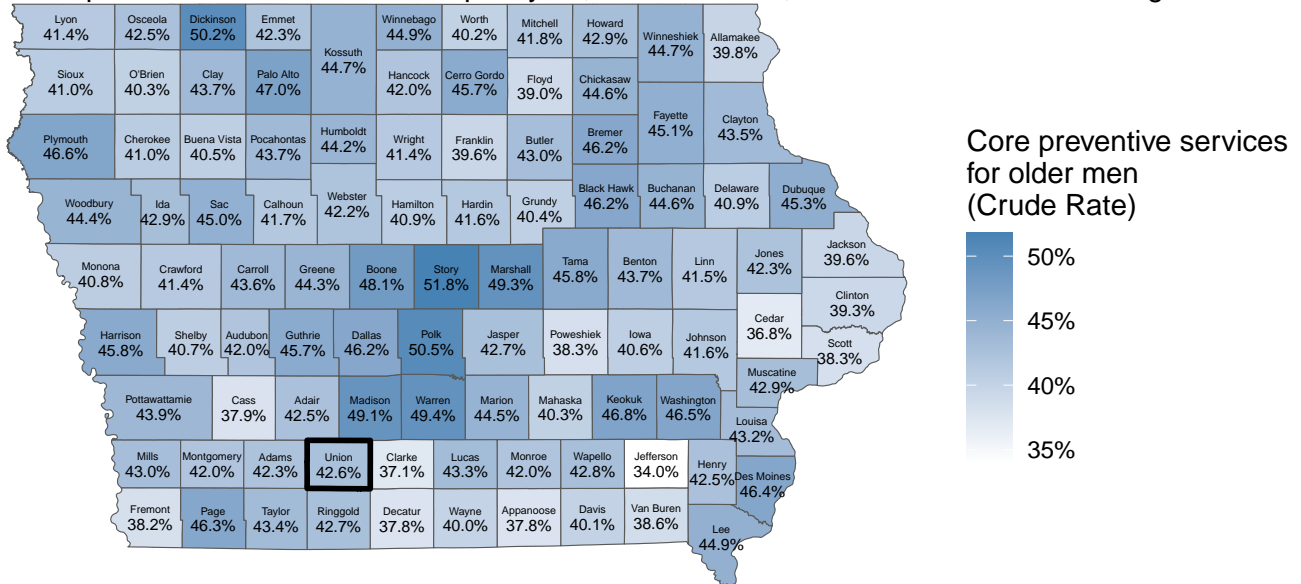## Colorectal cancer screening among adults aged 50–75 years
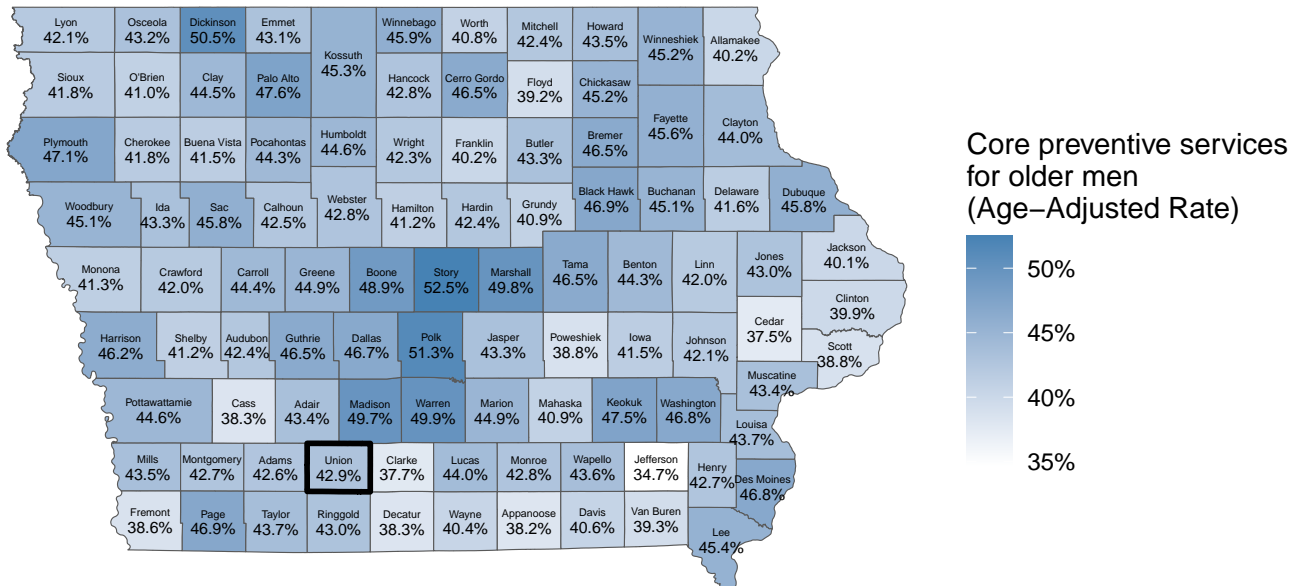


Data Source: CDC PLACES 2023 Release, BRFSS 2020



Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Core preventive services for older men

Older adult men aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening



**Core preventive services for older men (Crude Rate)**

- 50%
- 45%
- 40%
- 35%

Data Source: CDC PLACES 2023 Release, BRFSS 2020



**Core preventive services for older men (Age−Adjusted Rate)**

- 50%
- 45%
- 40%
- 35%

Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Core preventive services for older women

Older adult women aged >=65 years who are up to date on a core set of clinical preventive services: Flu shot past year, PPV shot ever, Colorectal cancer screening, [years]



**Core preventive services for older women (Crude Rate)**

- 45%
- 40%
- 35%

Data Source: CDC PLACES 2023 Release, BRFSS 2020



**Core preventive services for older women (Age–Adjusted Rate)**

- 45%
- 40%
- 35%
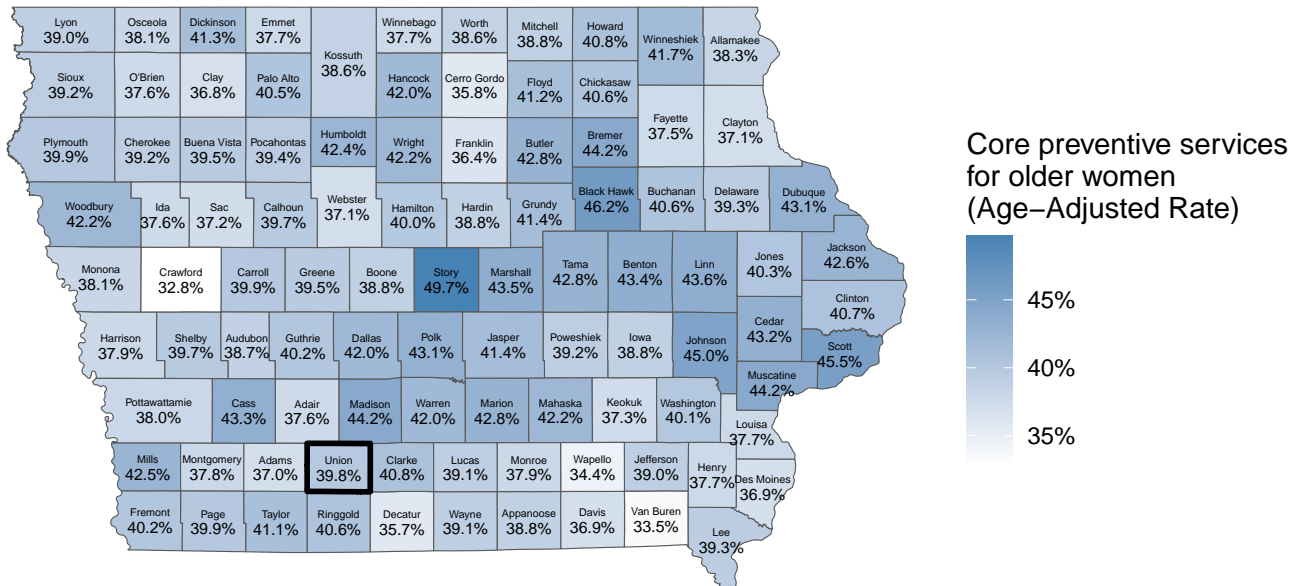
Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Dental Visit

## Visits to dentist or dental clinic among adults aged >=18 years
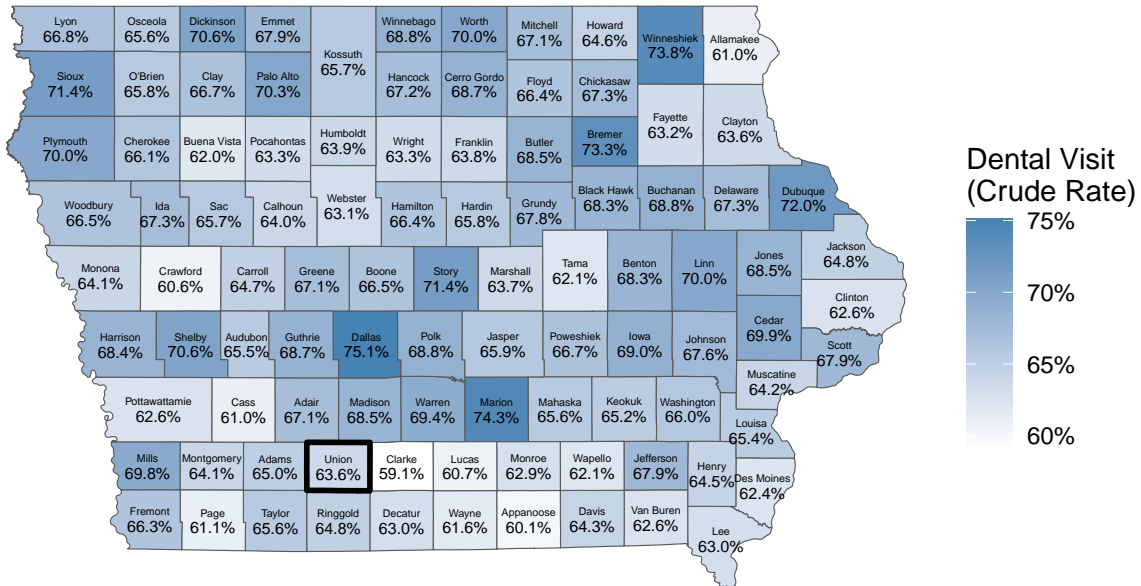


Data Source: CDC PLACES 2023 Release, BRFSS 2020
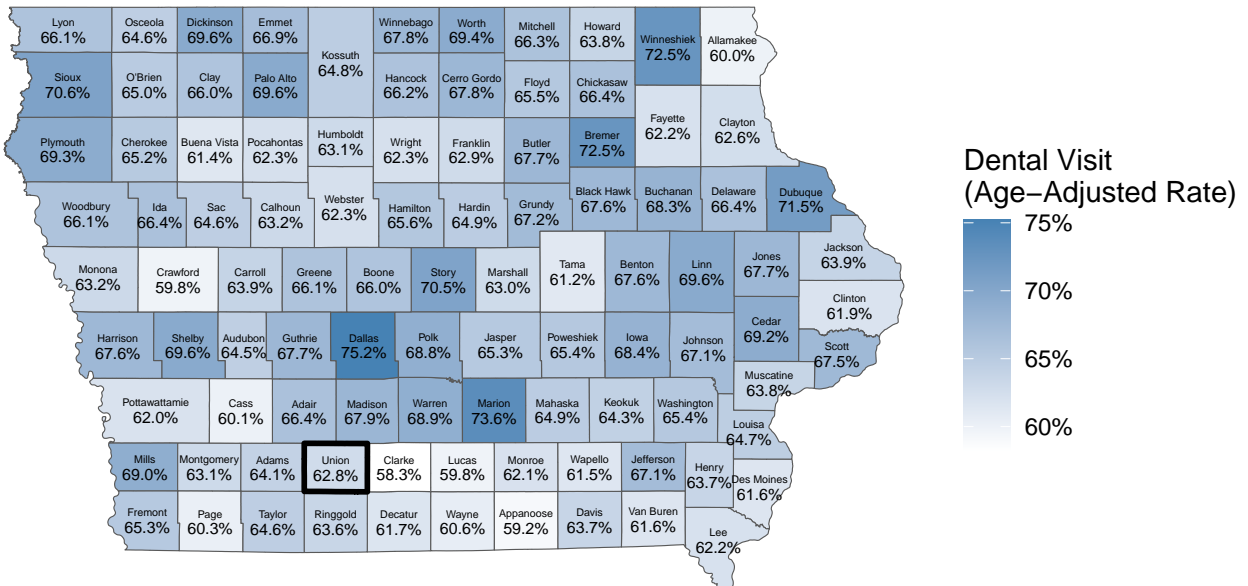


Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Mammography

## Mammography use among women aged 50–74 years
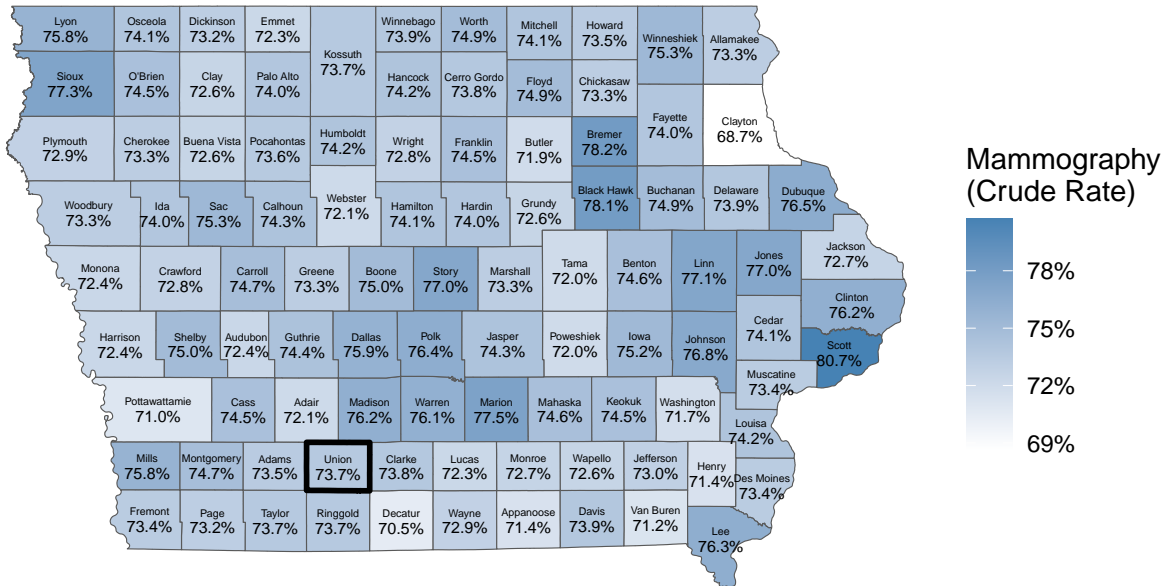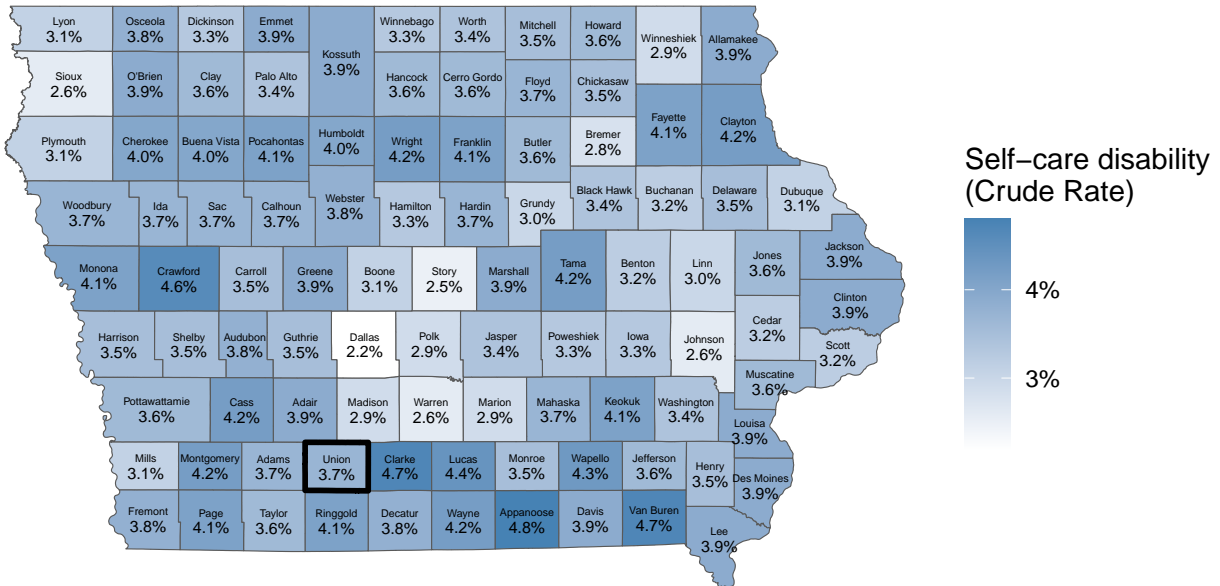


Data Source: CDC PLACES 2023 Release, BRFSS 2020
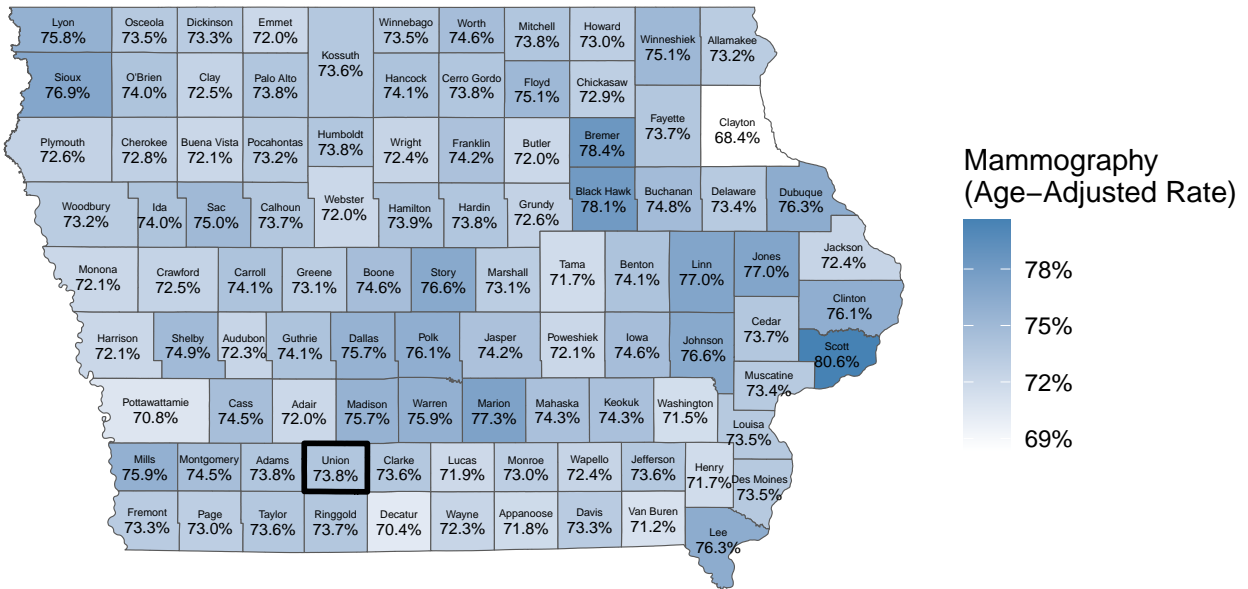


Data Source: CDC PLACES 2023 Release, BRFSS 2020

# Hearing disability

## Hearing disability among adults aged >=18 years
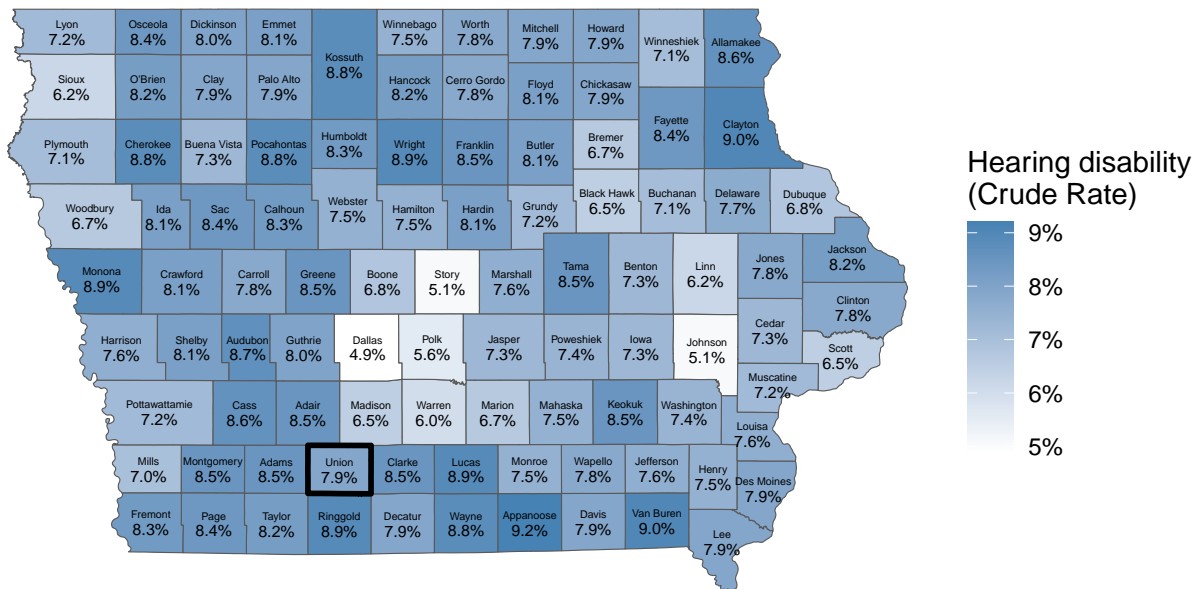


**Hearing disability (Crude Rate)**

9%
8%
7%
6%
5%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**Hearing disability (Age−Adjusted Rate)**

6.5%
6.0%
5.5%
5.0%
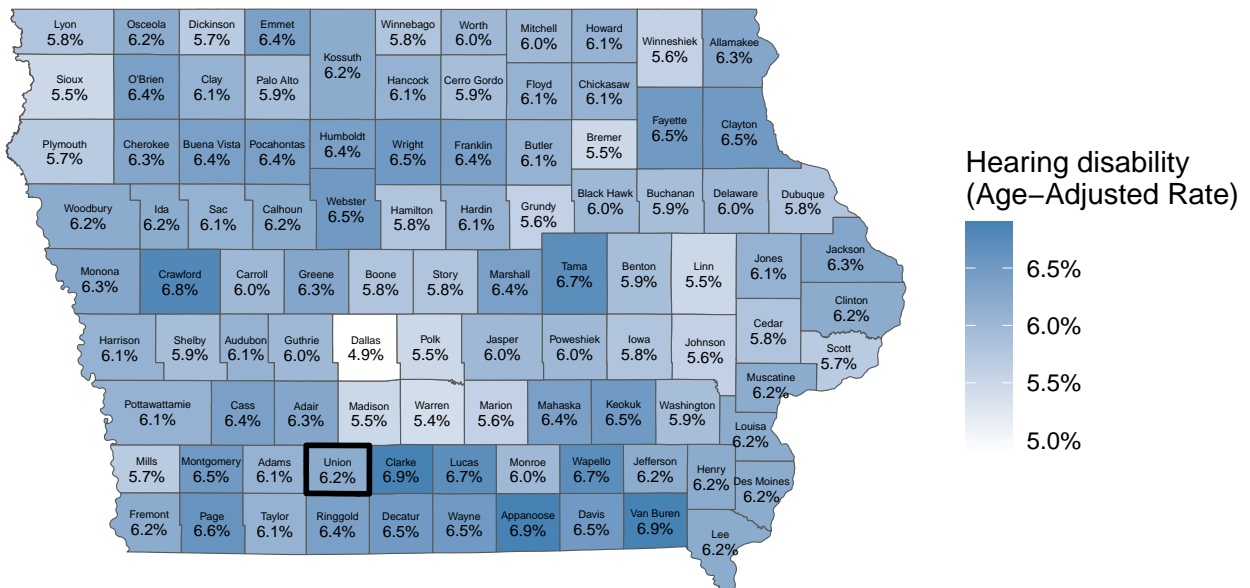
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Vision disability

## Vision disability among adults aged >=18 years
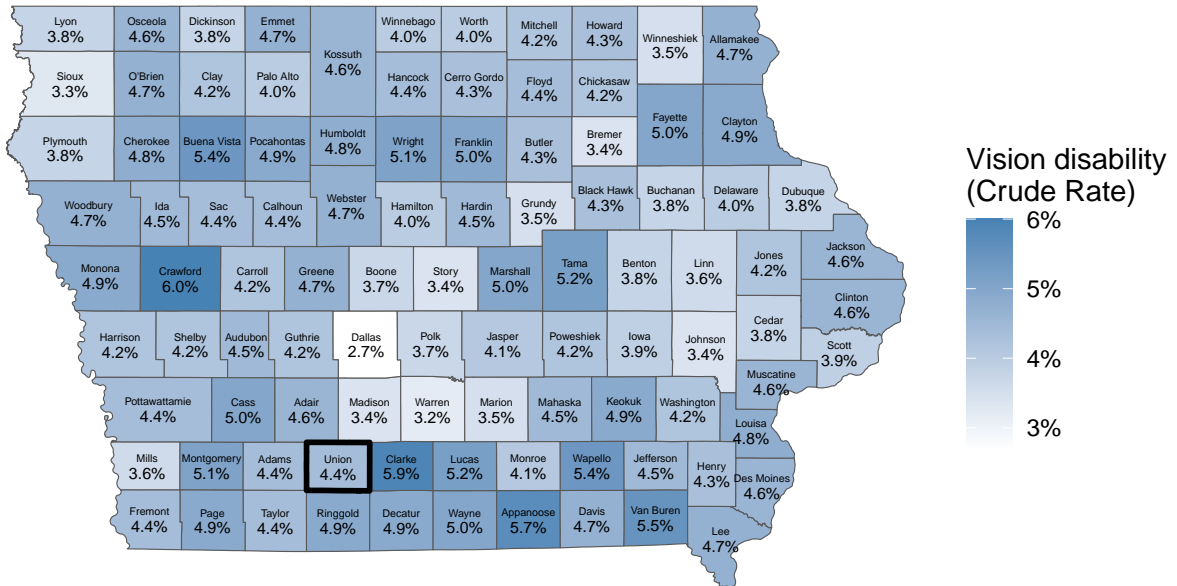


Data Source: CDC PLACES 2023 Release, BRFSS 2021
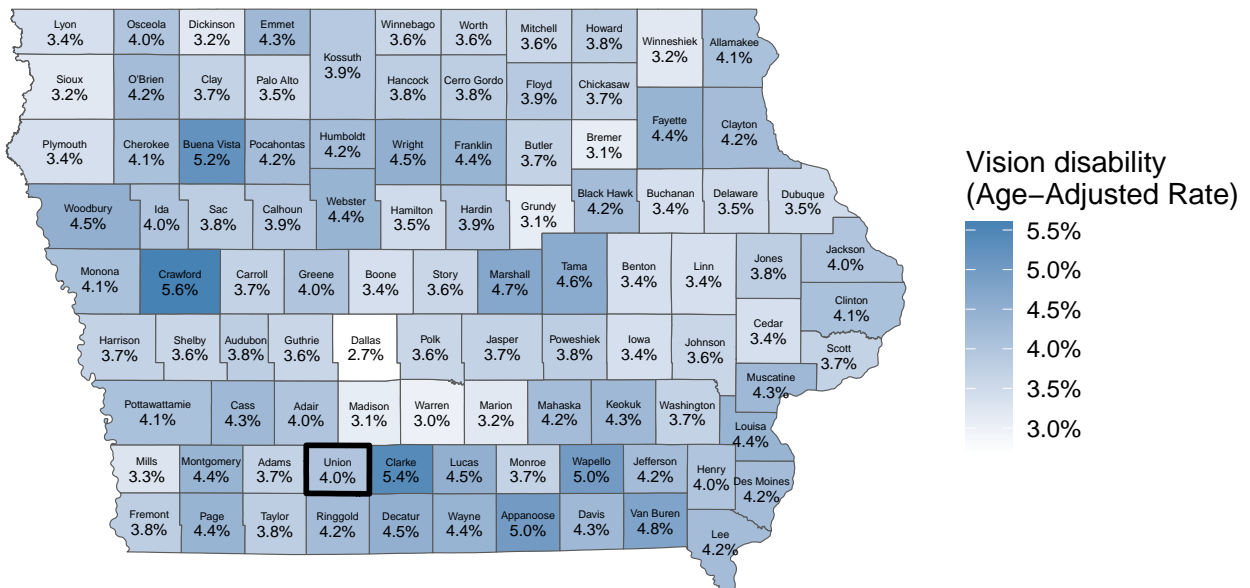


Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Cognitive disability

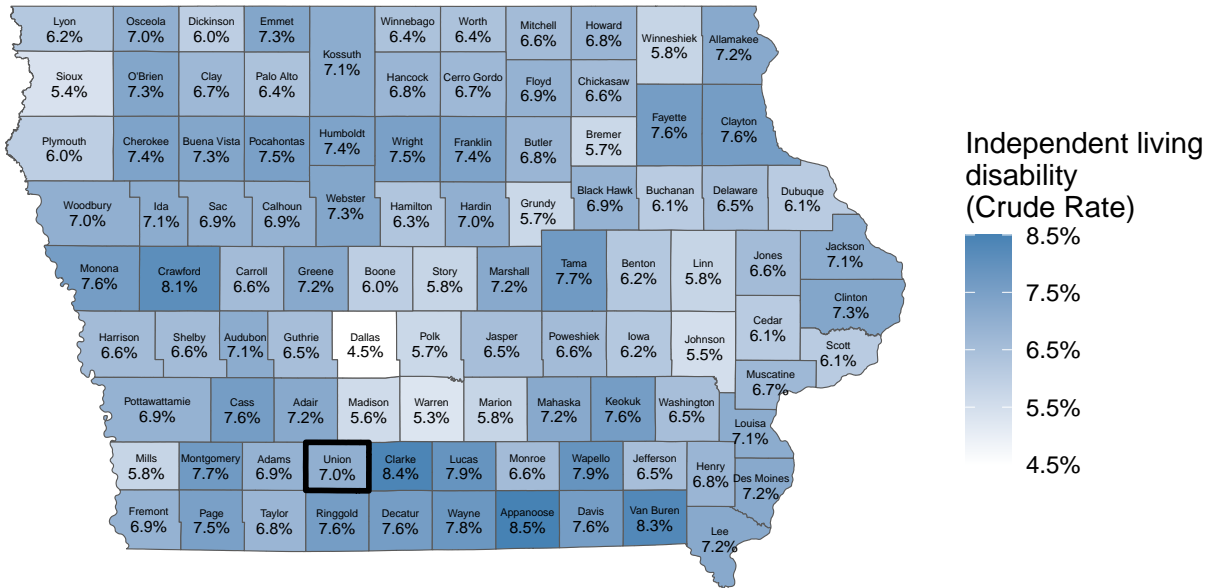## Cognitive disability among adults aged >=18 years
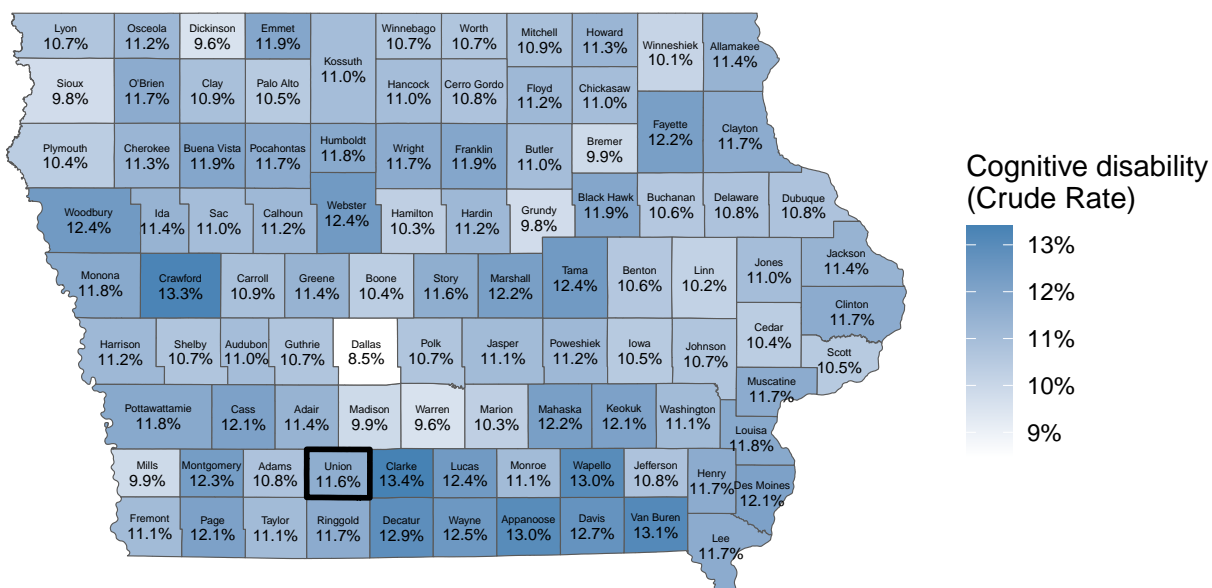


Data Source: CDC PLACES 2023 Release, BRFSS 2021
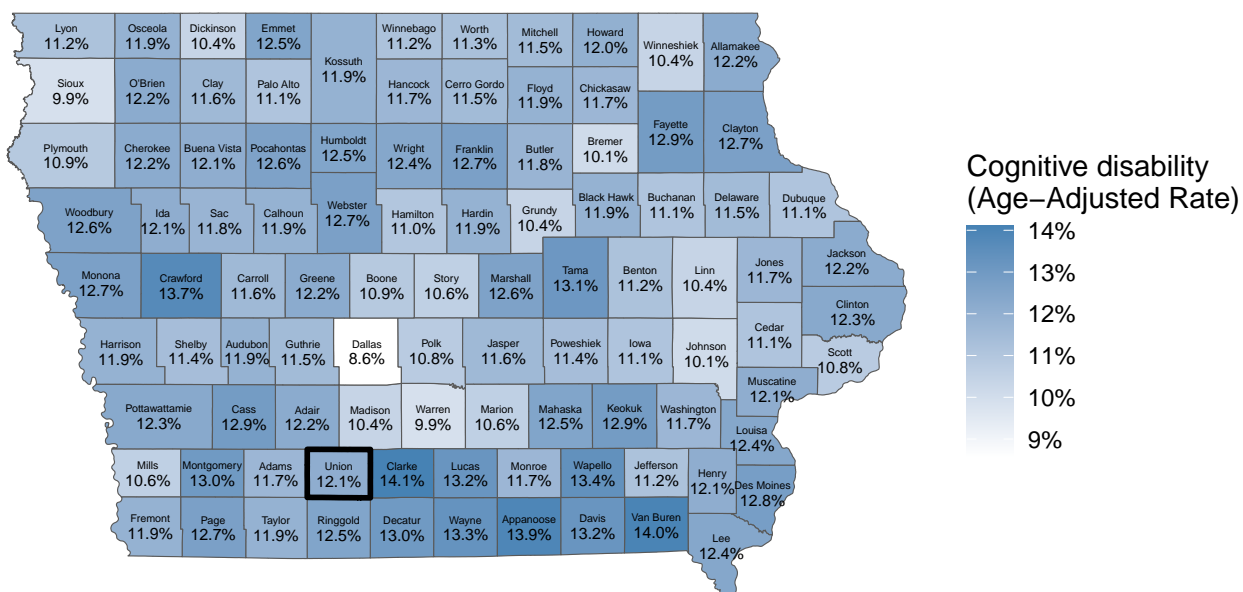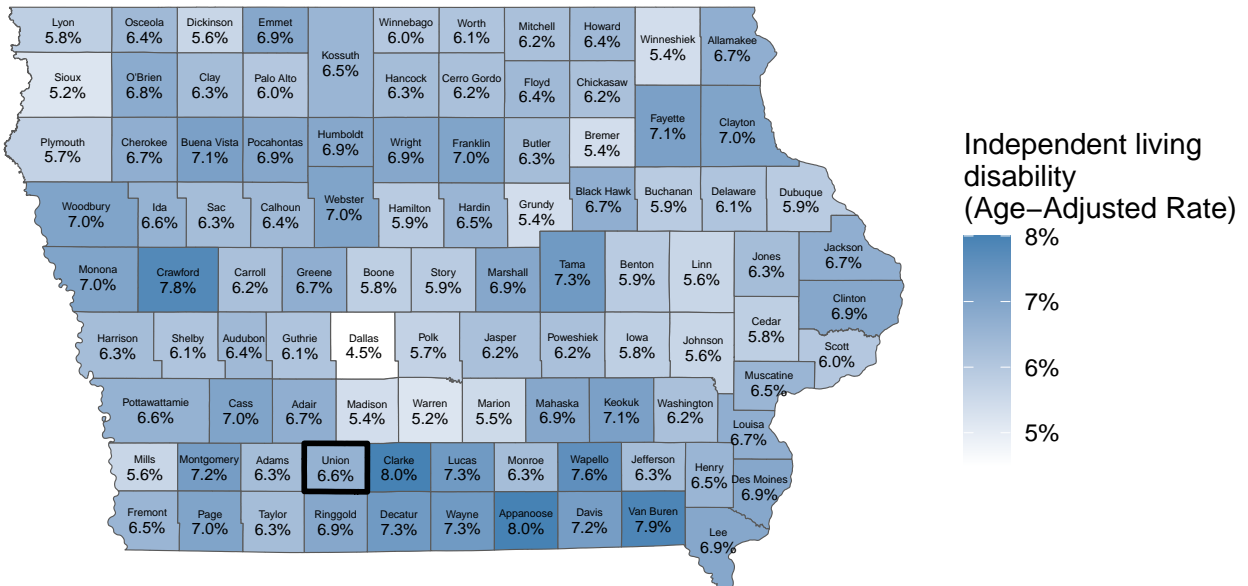


Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Mobility disability

## Mobility disability among adults aged >=18 years
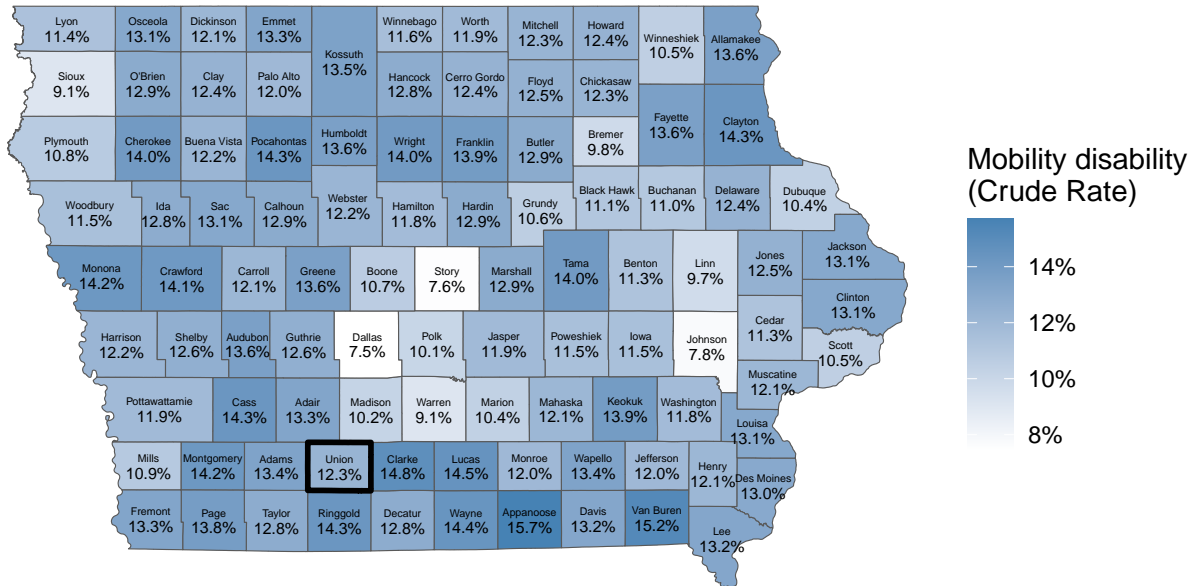


Data Source: CDC PLACES 2023 Release, BRFSS 2021
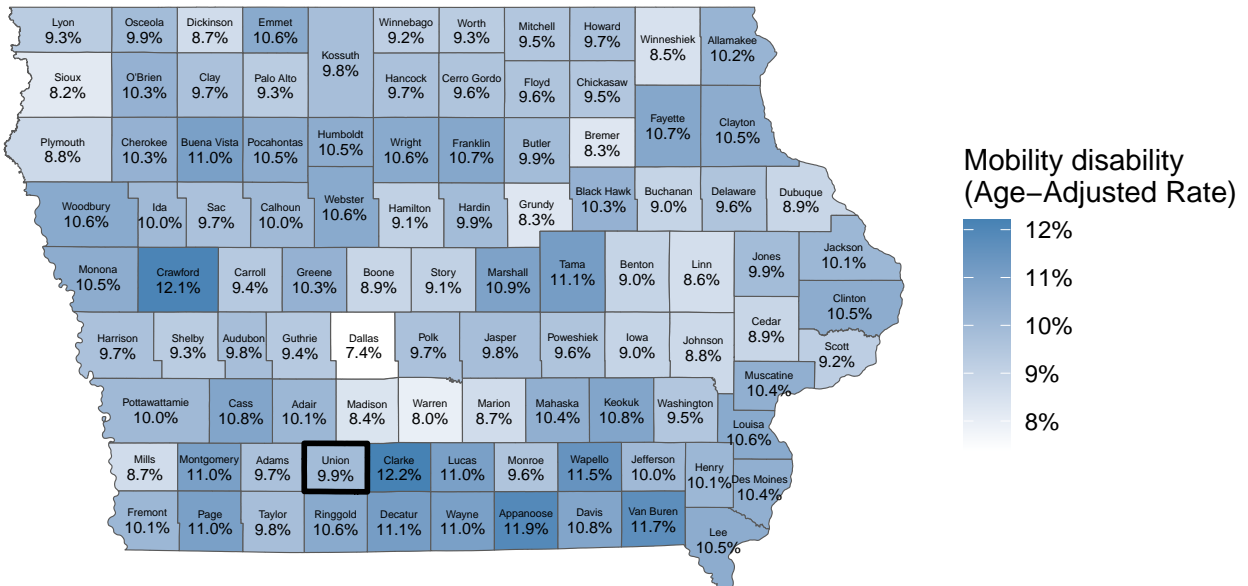


Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Self−care disability

## Self−care disability among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021
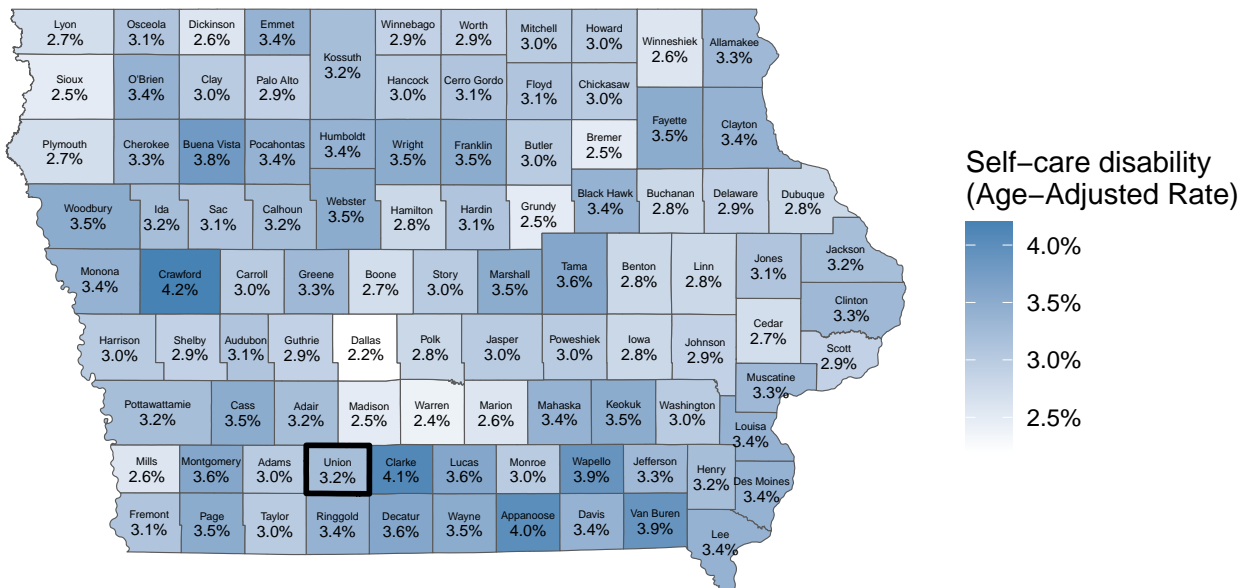


Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Independent living disability

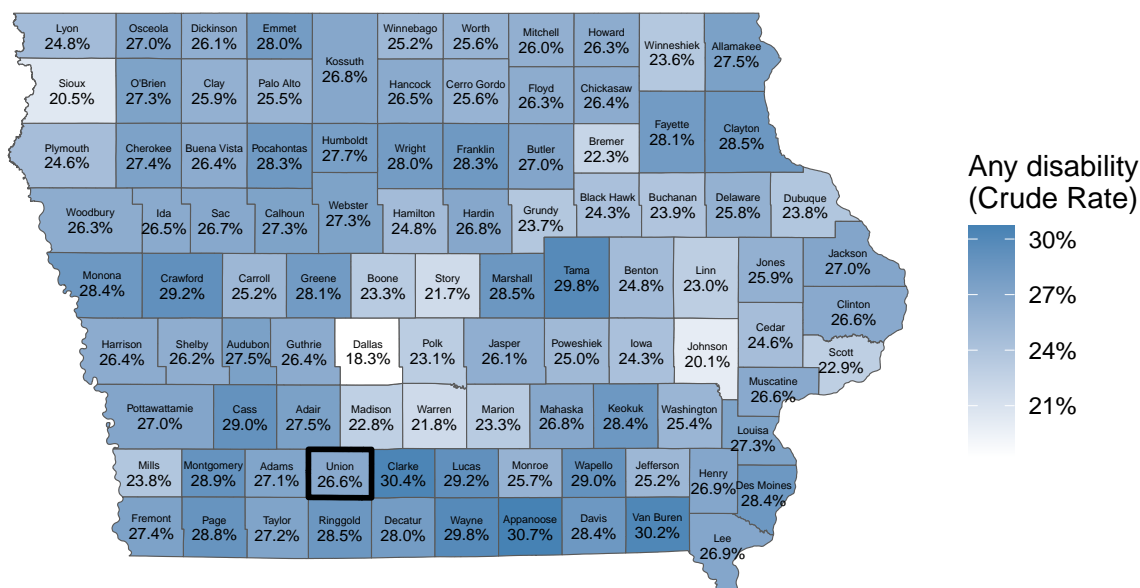## Independent living disability among adults aged >=18 years



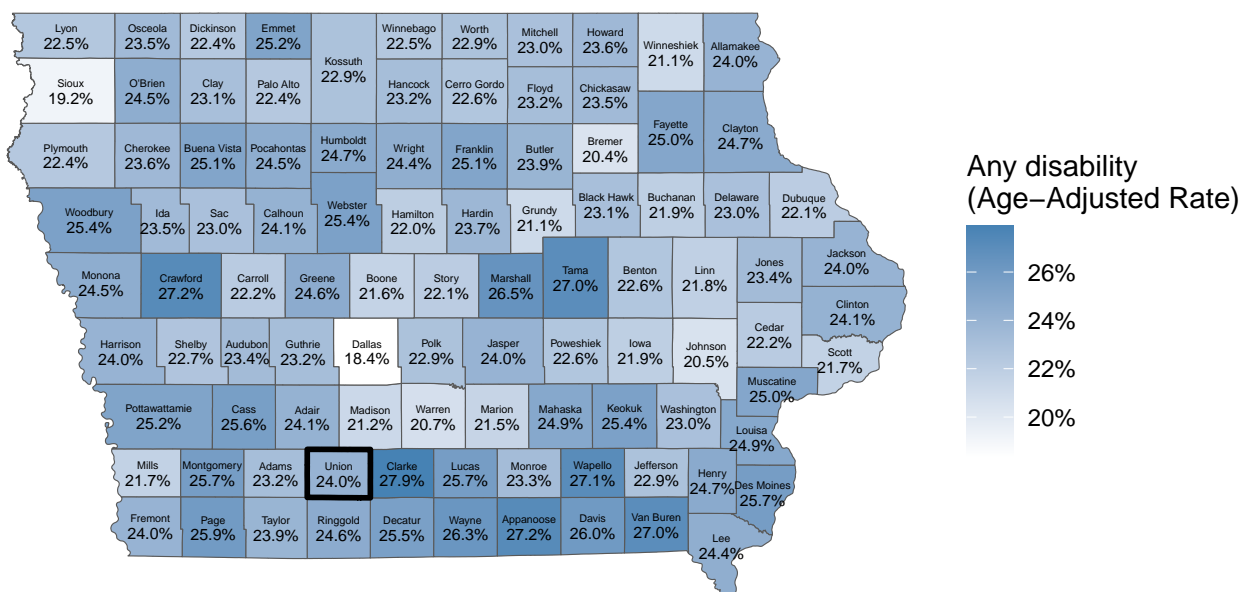Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021

# Any disability

## Any disability among adults aged >=18 years



**Any disability (Crude Rate)**

- 30%
- 27%
- 24%
- 21%

Data Source: CDC PLACES 2023 Release, BRFSS 2021



**Any disability (Age−Adjusted Rate)**

- 26%
- 24%
- 22%
- 20%

Data Source: CDC PLACES 2023 Release, BRFSS 2021