

Iowa County Health Snapshot Series

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



May 2024

By Matthew Voss & Shawn Dorius

This project was supported by funding from Iowa State University's Extension and Outreach Community and Economic Development Unit via an award from Iowa State University's Presidential Strategic Initiative Plan 2022-2031.

Iowa County Health Snapshot Series

Table of contents

Health in Calhoun County: Overv																											3
Strengths																											
Opportunities																											-
How to Use this Report																											-
Using Story County as an E	:xa	Im	bie		•	•	• •	•	•	• •	• •	•	•	• •	•	·	•	• •	•	•	·	·	·	•	• •	•	6
Health Status																											7
Poor General Health																								•			
Poor Physical Health																											
Poor Mental Health	•		•	•	·	•		•	•			•	•		•	•	•		•	•	•	•	•	•		•	8
Health Risk Behaviors																											9
Binge Drinking																											9
Current Smoking																											10
Physical Inactivity																											10
Sleep <7 hours																											
Health Outcomes																											12
Arthritis																											
High Blood Pressure																											
Cancer (except skin)																											-
Current Asthma																											
Coronary Heart Disease																											
																											15
Diabetes																											-
High Cholesterol																											-
Chronic Kidney Disease																											-
Obesity																											
Stroke																											
All Teeth Lost																											-
Prevention																											19
Lack of Health Insurance .																											-
																											-
Taking BP Medication																											
Cervical Cancer Screening																											
Annual Checkup																											
Cholesterol Screening	·		•	•	•	•	• •	•	•	• •	• •	•	·		•	·	•		•	•	·	·	·	•	• •	•	21

Colorectal Cancer Screening Core preventive services for older men Core preventive services for older men Core preventive services for older women Core preventive services for older women Dental Visit Core preventive services for older women Mammography Core preventive services for older women	22 22 24 24 26
Disability	27
Hearing disability	27
Vision disability	28
Cognitive disability	28
Mobility disability	29
Self-care disability	29
Independent living disability	30
Any disability	30
Appendix 1: CDC PLACES Data	31
Appendix 2: Calhoun County PLACES Data	32
Appendix 3: Rural Counties	34
Appendix 4: County Maps	36

Health in Calhoun County: Overview

Dear Community Members & Stakeholders of Calhoun County,

We are pleased to share the lowa County Health Snapshot series, a set of reports designed in partnership with lowa State University's Community Economic Development to assess the overall landscape of health and well-being across lowa's 99 counties. The following pages include the health snapshot for your county. The snapshot can be used to see how Calhoun County ranks across various health measures compared to the rest of the state and similarly-sized counties. This comparison allows us to identify Calhoun 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 Calhoun 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.

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
Depression	9th	7th	Depression	12th	6th
Annual Checkup	10th	8th	Annual Checkup	15th	5th
Current Asthma	11th	4th	Cancer (except skin)	26th	14th
Mental Health	20th	12th	Mental Health	28th	11th
Cervical Cancer Screening	24th	11th	Current Asthma	29th	12th

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
Obesity	83rd	51st	High Blood Pressure	91st	56th
High Blood Pressure	83rd	47th	Obesity	86th	54th
Cancer (except skin)	73rd	39th	Dental Visit	70th	42nd
Dental Visit	72nd	44th	Binge Drinking	70th	50th
Hearing Disability	71st	35th	Arthritis	68th	43rd

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 Calhoun County.

Sincerely,

Shand

Shawn F. Dorius, PhD Iowa State University Public Science Collaborative



IOWA STATE UNIVERSITY Extension and Outreach Community and Economic Development

This project was supported by funding from Iowa State University's Extension and Outreach Community and Economic Development Unit, via an award from Iowa State University's Presidential Strategic Initiative Plan 2022-2031.

How to Use this Report

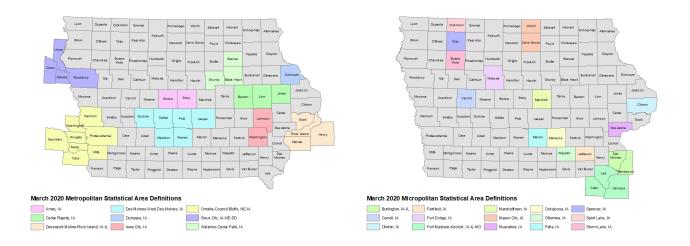
The purpose of the Iowa County Health Snapshot Series is to provide an overview of health in Calhoun County that can be used to help inform health-related interventions and programming. This report contains five sections, including the overall health status of Calhoun County, a review of risky behaviors 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 Calhoun County compares to the rest of the state and similarly-sized counties.

With a population of 9,915, Calhoun County's similarly sized counties are defined as rural counties. In lowa, 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

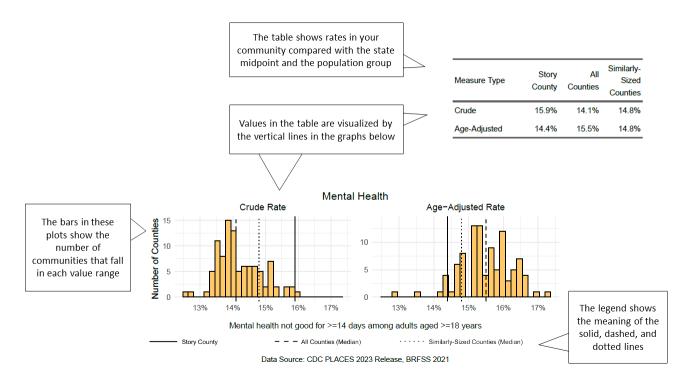
The counties included in each category above are determined by the United States Office of Management and Budget. Iowa has counties in nine metropolitan statistical areas and 15 micropolitan statistical areas. The counties identified as metropolitan and micropolitan can be found in the link and the maps 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



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 lowa 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 lowa counties and the dotted lines showing the average rate for similarly-sized counties.



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

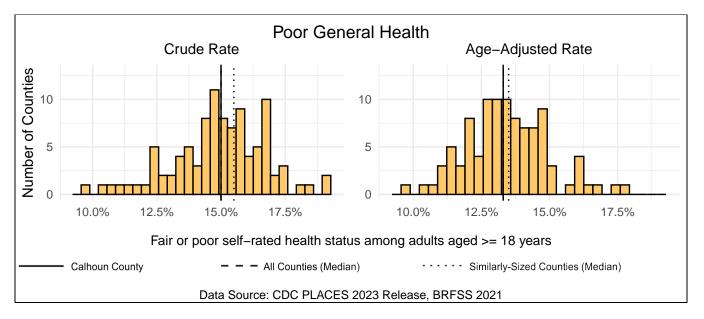
This section reflects measures for overall health, including general, physical, and mental health. These measures are a valuable way to see a simple summary of the health of a country's population. The questions to calculate these measures ask respondents to evaluate their health status. General health 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

Calhoun County has a crude rate of 15.0% for fair or poor self-rated health status among adults aged >= 18 years, which ranks 48th out of 99 lowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 13.3%, which ranks 47th out of 99 lowa counties (24th out of 63 similarly-sized counties).

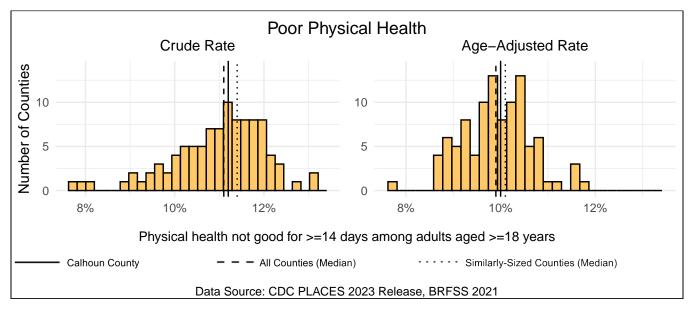
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	15.0%	15.0%	15.5%
Age-Adjusted	13.3%	13.3%	13.5%



Poor Physical Health

Calhoun County has a crude rate of 11.2% for physical health not good for >=14 days among adults aged >=18 years, which ranks 52nd out of 99 lowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 10.0%, which ranks 52nd out of 99 lowa counties (27th out of 63 similarly-sized counties).

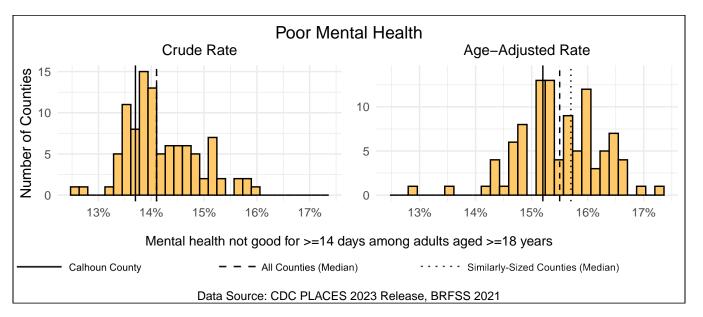
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	11.2%	11.1%	11.4%
Age-Adjusted	10.0%	9.9%	10.1%



Poor Mental Health

Calhoun County has a crude rate of 13.7% for mental health not good for >=14 days among adults aged >=18 years, which ranks 20th out of 99 lowa counties (12th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 15.2%, which ranks 28th out of 99 lowa counties (11th out of 63 similarly-sized counties).

Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	13.7%	14.1%	14.1%
Age-Adjusted	15.2%	15.5%	15.7%



Health Risk Behaviors

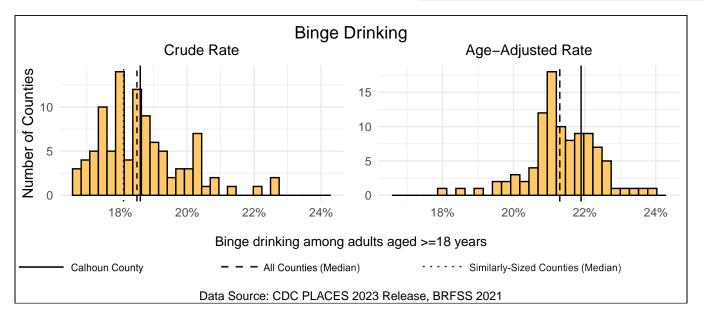
Health risk measures are measures of individual behaviors that can lead to poor health outcomes. These include binge drinking, current smoking, physical inactivity, and getting less than seven hours of nightly sleep. Risk behaviors are the most critical intervention points as they can help save lives 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

Calhoun County has a crude rate of 18.6% for binge drinking among adults aged >=18 years, which ranks 51st out of 99 lowa counties (40th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 21.9%, which ranks 70th out of 99 lowa counties (50th out of 63 similarly-sized counties).

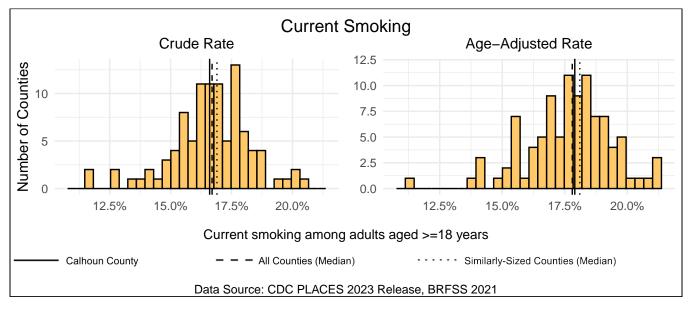
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	18.6%	18.5%	18.1%
Age-Adjusted	21.9%	21.3%	21.3%



Current Smoking

Calhoun County has a crude rate of 16.6% for current smoking among adults aged >=18 years, which ranks 44th out of 99 lowa counties (21st out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 17.9%, which ranks 51st out of 99 lowa counties (25th out of 63 similarly-sized counties).

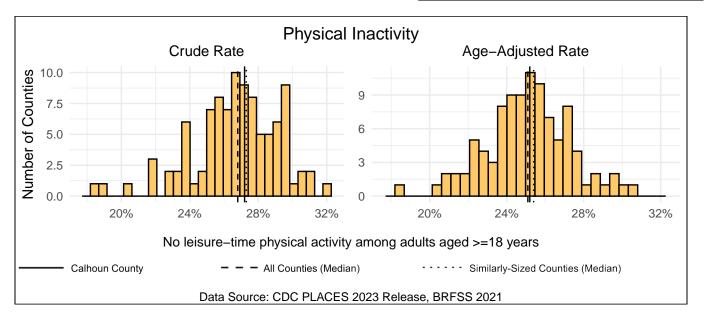
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	16.6%	16.7%	16.9%
Age-Adjusted	17.9%	17.8%	18.1%



Physical Inactivity

Calhoun County has a crude rate of 27.2% for no leisuretime physical activity among adults aged >=18 years, which ranks 55th out of 99 lowa counties (29th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 25.2%, which ranks 51st out of 99 lowa counties (29th out of 63 similarly-sized counties).

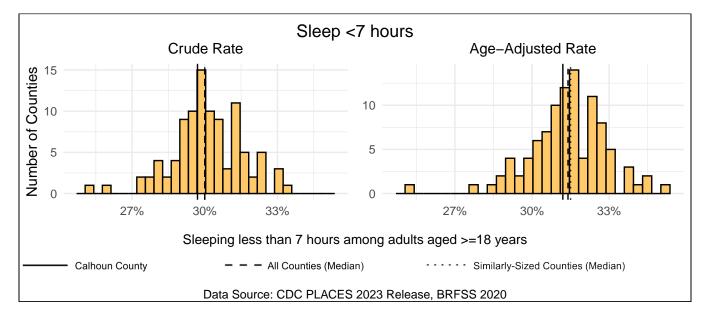
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	27.2%	26.8%	27.3%
Age-Adjusted	25.2%	25.1%	25.4%



Sleep <7 hours

Calhoun County has a crude rate of 29.7% for sleeping less than 7 hours among adults aged >=18 years, which ranks 36th out of 99 lowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 31.2%, which ranks 39th out of 99 lowa counties (24th out of 63 similarly-sized counties).

Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	29.7%	30.0%	30.0%
Age-Adjusted	31.2%	31.4%	31.5%



Health Outcomes

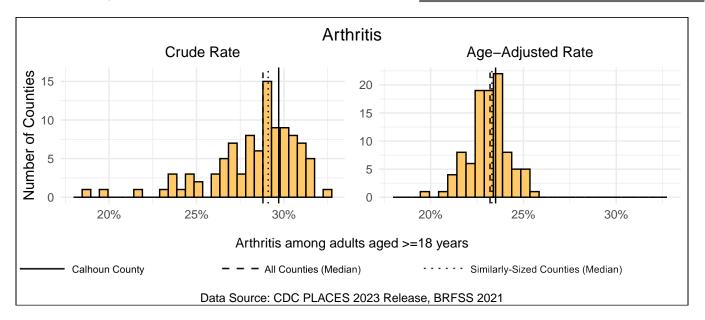
This section includes measures about specific health outcomes such as chronic illness, mental health conditions, and risk factors for future disease. Health outcome measures include but are not limited to arthritis, high blood pressure, cancer, depression, and obesity. Each measure is the percentage 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

Calhoun County has a crude rate of 29.7% for arthritis among adults aged >=18 years, which ranks 68th out of 99 lowa counties (36th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 23.5%, which ranks 68th out of 99 lowa counties (43rd out of 63 similarlysized counties).

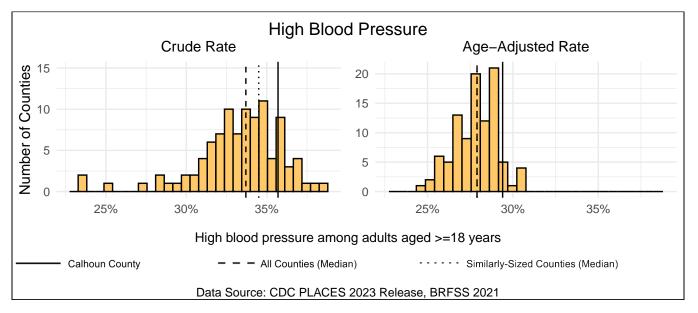
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	29.7%	28.8%	29.1%
Age-Adjusted	23.5%	23.2%	23.3%



High Blood Pressure

Calhoun County has a crude rate of 35.7% for high blood pressure among adults aged >=18 years, which ranks 83rd out of 99 lowa counties (47th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 29.4%, which ranks 91st out of 99 lowa counties (56th out of 63 similarly-sized counties).

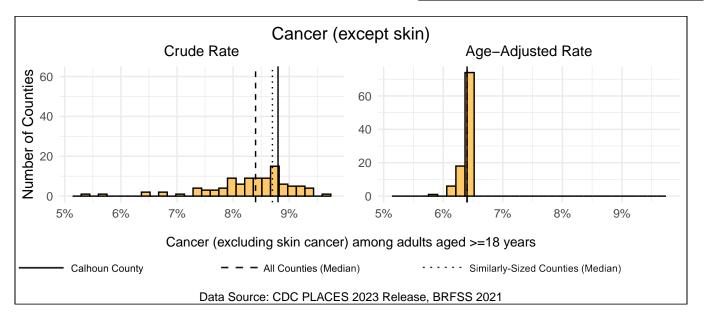
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	35.7%	33.7%	34.5%
Age-Adjusted	29.4%	27.9%	27.9%



Cancer (except skin)

Calhoun County has a crude rate of 8.8% for cancer (excluding skin cancer) among adults aged >=18 years, which ranks 73rd out of 99 lowa counties (39th out of 63 similarlysized counties). The age-adjusted rate for Calhoun County is 6.4%, which ranks 26th out of 99 lowa counties (14th out of 63 similarly-sized counties).

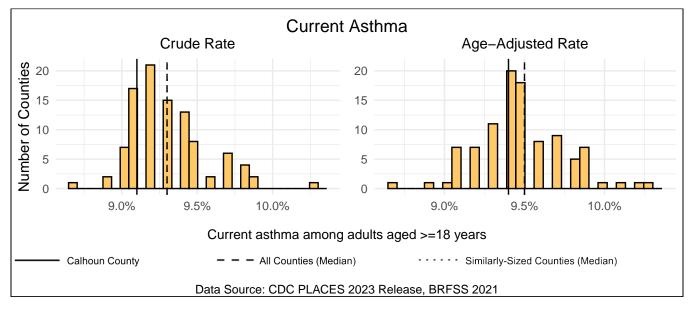
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	8.8%	8.4%	8.7%
Age-Adjusted	6.4%	6.4%	6.4%



Current Asthma

Calhoun County has a crude rate of 9.1% for current asthma among adults aged >=18 years, which ranks 11th out of 99 lowa counties (4th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 9.4%, which ranks 29th out of 99 lowa counties (12th out of 63 similarly-sized counties).

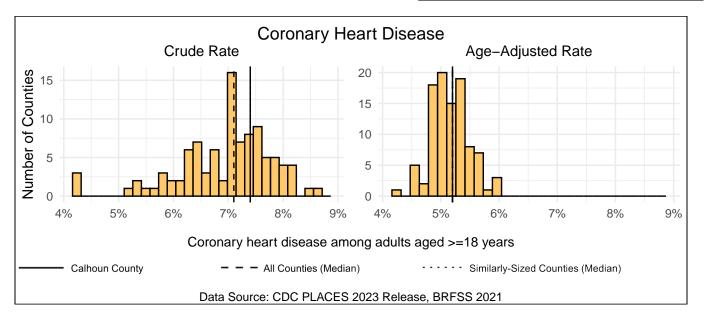
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	9.1%	9.3%	9.3%
Age-Adjusted	9.4%	9.5%	9.5%



Coronary Heart Disease

Calhoun County has a crude rate of 7.4% for coronary heart disease among adults aged >=18 years, which ranks 68th out of 99 lowa counties (32nd out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 5.2%, which ranks 47th out of 99 lowa counties (25th out of 63 similarly-sized counties).

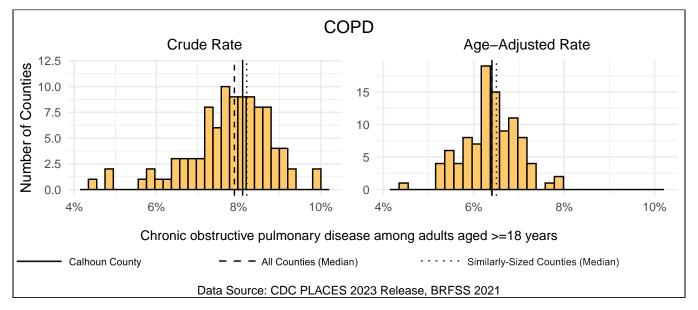
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	7.4%	7.1%	7.4%
Age-Adjusted	5.2%	5.2%	5.2%



COPD

Calhoun County has a crude rate of 8.1% for chronic obstructive pulmonary disease among adults aged >=18 years, which ranks 59th out of 99 lowa counties (27th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 6.4%, which ranks 50th out of 99 lowa counties (24th out of 63 similarly-sized counties).

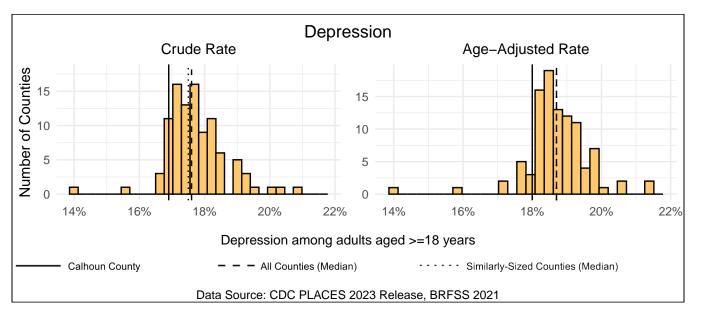
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	8.1%	7.9%	8.2%
Age-Adjusted	6.4%	6.4%	6.5%



Depression

Calhoun County has a crude rate of 16.9% for depression among adults aged >=18 years, which ranks 9th out of 99 lowa counties (7th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 18.0%, which ranks 12th out of 99 lowa counties (6th out of 63 similarlysized counties).

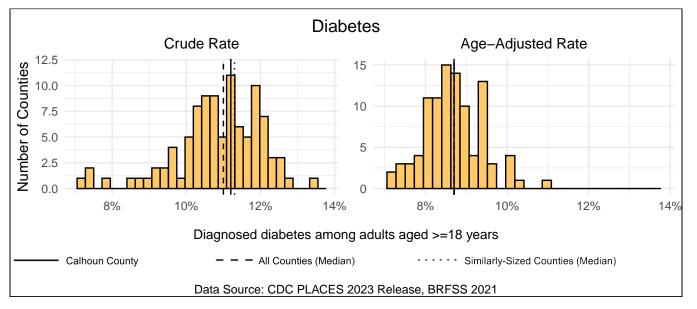
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	16.9%	17.6%	17.5%
Age-Adjusted	18.0%	18.7%	18.7%



Diabetes

Calhoun County has a crude rate of 11.2% for diagnosed diabetes among adults aged >=18 years, which ranks 56th out of 99 lowa counties (27th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 8.7%, which ranks 50th out of 99 lowa counties (30th out of 63 similarly-sized counties).

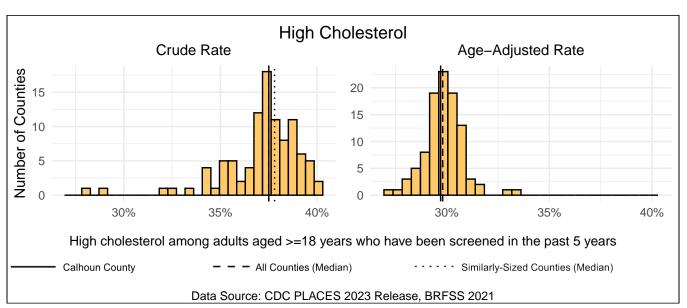
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	11.2%	11.0%	11.3%
Age-Adjusted	8.7%	8.7%	8.7%



High Cholesterol

Calhoun County has a crude rate of 37.5% for high cholesterol among adults aged >=18 years who have been screened in the past 5 years, which ranks 47th out of 99 lowa counties (24th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 29.7%, which ranks 38th out of 99 lowa counties (22nd out of 63 similarly-sized counties).

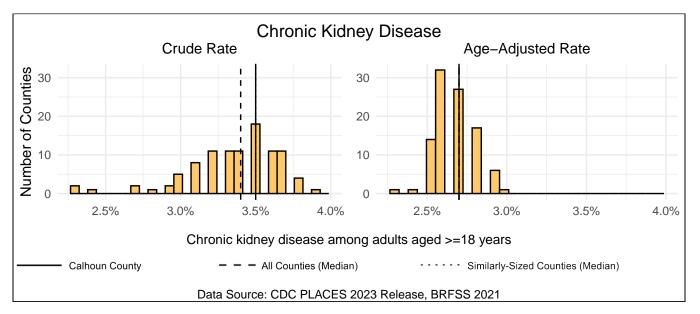
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	37.5%	37.5%	37.8%
Age-Adjusted	29.7%	29.8%	29.8%



Chronic Kidney Disease

Calhoun County has a crude rate of 3.5% for chronic kidney disease among adults aged >=18 years, which ranks 55th out of 99 lowa counties (24th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 2.7%, which ranks 49th out of 99 lowa counties (26th out of 63 similarly-sized counties).

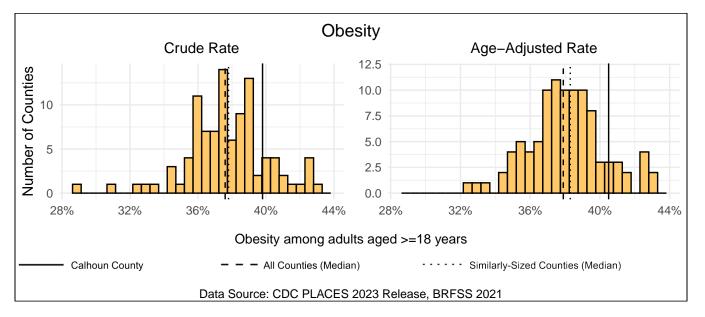
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	3.5%	3.4%	3.5%
Age-Adjusted	2.7%	2.7%	2.7%



Obesity

Calhoun County has a crude rate of 39.8% for obesity among adults aged >=18 years, which ranks 83rd out of 99 lowa counties (51st out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 40.5%, which ranks 86th out of 99 lowa counties (54th out of 63 similarlysized counties).

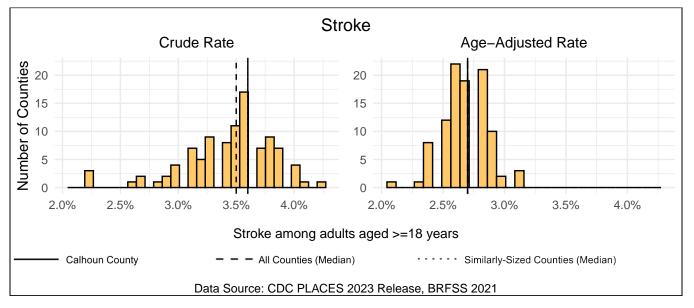
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	39.8%	37.6%	37.8%
Age-Adjusted	40.5%	37.9%	38.3%



Stroke

Calhoun County has a crude rate of 3.6% for stroke among adults aged >=18 years, which ranks 54th out of 99 lowa counties (23rd out of 63 similarly-sized counties). The ageadjusted rate for Calhoun County is 2.7%, which ranks 45th out of 99 lowa counties (23rd out of 63 similarly-sized counties).

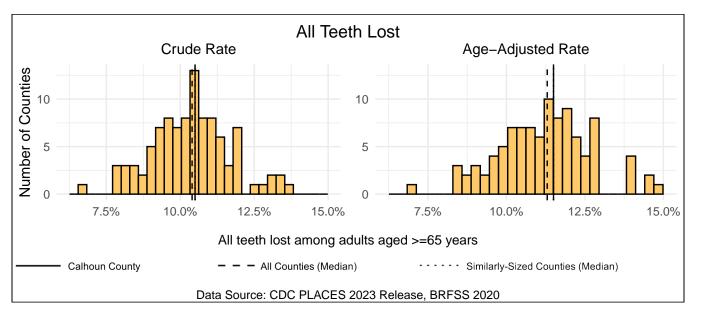
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	3.6%	3.5%	3.6%
Age-Adjusted	2.7%	2.7%	2.7%



All Teeth Lost

Calhoun County has a crude rate of 10.5% for all teeth lost among adults aged >=65 years, which ranks 54th out of 99 lowa counties (30th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 11.5%, which ranks 58th out of 99 lowa counties (32nd out of 63 similarly-sized counties).

Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	10.5%	10.4%	10.5%
Age-Adjusted	11.5%	11.3%	11.5%



Prevention

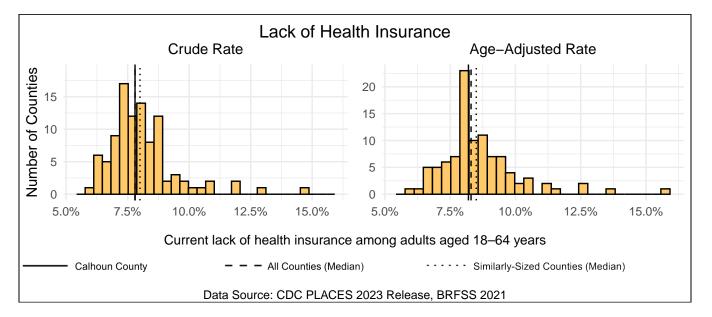
Preventive measures are another practical intervention point for public health professionals as they allow for the early detection of health conditions and improve overall treatment efficacy. This section includes a review of your county's prevention measures, including preventive screenings and doctor 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

Calhoun County has a crude rate of 7.8% for current lack of health insurance among adults aged 18–64 years, which ranks 46th out of 99 lowa counties (25th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 8.2%, which ranks 43rd out of 99 lowa counties (22nd out of 63 similarly-sized counties).

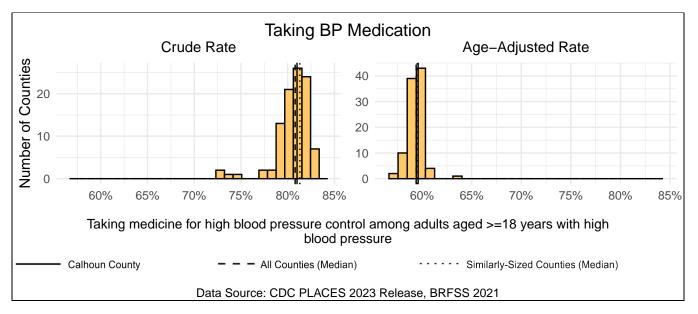
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	7.8%	7.8%	8.0%
Age-Adjusted	8.2%	8.3%	8.5%



Taking BP Medication

Calhoun County has a crude rate of 81.0% for taking medicine for high blood pressure control among adults aged >=18 years with high blood pressure, which ranks 45th out of 99 lowa counties (40th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 59.6%, which ranks 35th out of 99 lowa counties (21st out of 63 similarly-sized counties).

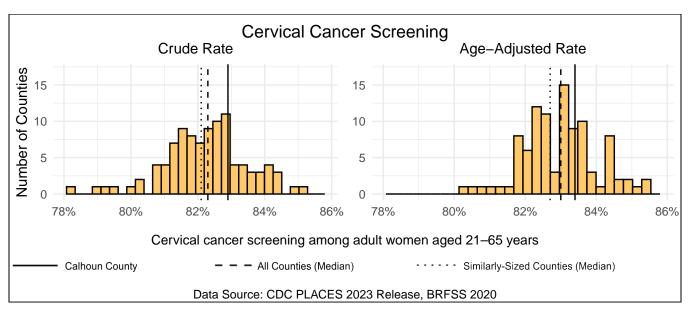
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	81.0%	80.8%	81.3%
Age-Adjusted	59.6%	59.4%	59.5%



Cervical Cancer Screening

Calhoun County has a crude rate of 82.9% for cervical cancer screening among adult women aged 21–65 years, which ranks 24th out of 99 lowa counties (11th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 83.4%, which ranks 30th out of 99 lowa counties (15th out of 63 similarly-sized counties).

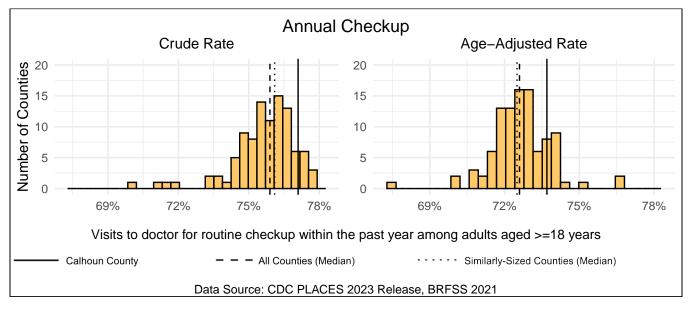
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	82.9%	82.3%	82.1%
Age-Adjusted	83.4%	83.0%	82.7%



Annual Checkup

Calhoun County has a crude rate of 77.1% for visits to doctor for routine checkup within the past year among adults aged >=18 years, which ranks 10th out of 99 lowa counties (8th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 73.7%, which ranks 15th out of 99 lowa counties (5th out of 63 similarly-sized counties).

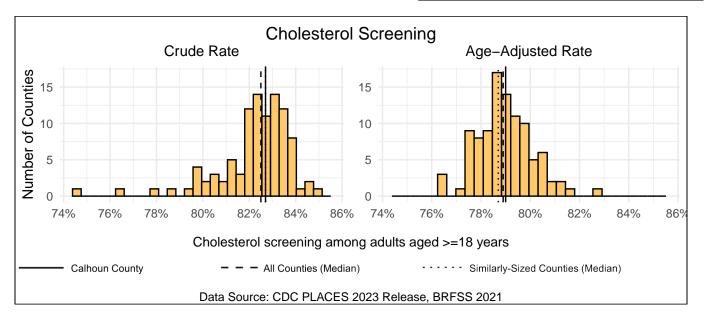
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	77.1%	75.9%	76.1%
Age-Adjusted	73.7%	72.6%	72.5%



Cholesterol Screening

Calhoun County has a crude rate of 82.7% for cholesterol screening among adults aged >=18 years, which ranks 41st out of 99 lowa counties (28th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 79.0%, which ranks 46th out of 99 lowa counties (21st out of 63 similarly-sized counties).

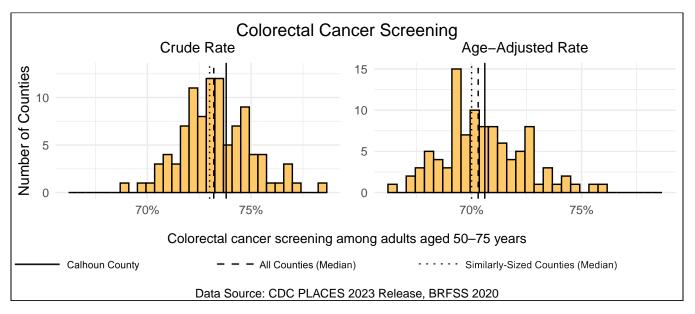
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	82.7%	82.5%	82.7%
Age-Adjusted	79.0%	78.9%	78.7%



Colorectal Cancer Screening

Calhoun County has a crude rate of 73.8% for colorectal cancer screening among adults aged 50–75 years, which ranks 33rd out of 99 lowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 70.6%, which ranks 45th out of 99 lowa counties (23rd out of 63 similarly-sized counties).

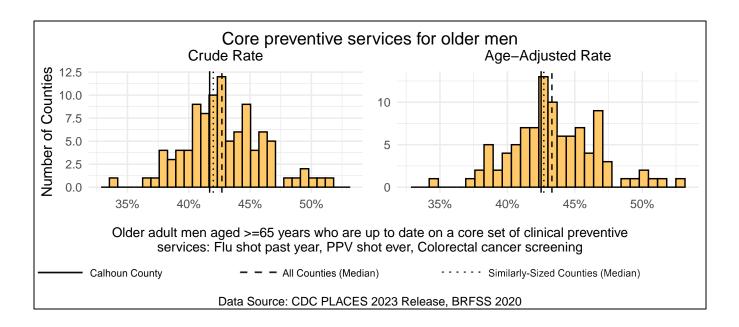
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	73.8%	73.2%	73.0%
Age-Adjusted	70.6%	70.3%	70.0%



Core preventive services for older men

Calhoun County has a crude rate of 41.7% 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 64th out of 99 lowa counties (36th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 42.5%, which ranks 62nd out of 99 lowa counties (34th out of 63 similarly-sized counties).

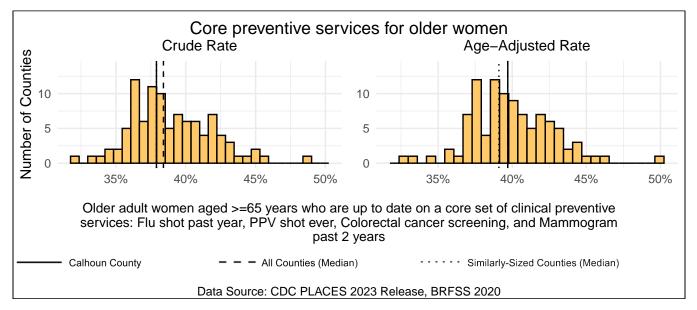
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	41.7%	42.7%	42.0%
Age-Adjusted	42.5%	43.3%	42.7%



Core preventive services for older women

Calhoun County has a crude rate of 37.9% 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 59th out of 99 lowa counties (30th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 39.7%, which ranks 49th out of 99 lowa counties (23rd out of 63 similarly-sized counties).

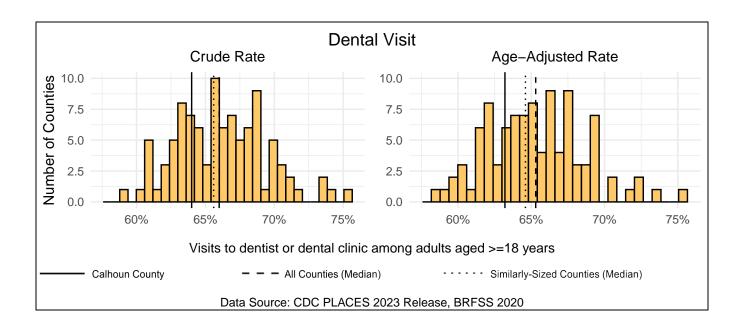
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	37.9%	38.4%	37.9%
Age-Adjusted	39.7%	39.7%	39.1%



Dental Visit

Calhoun County has a crude rate of 64.0% for visits to dentist or dental clinic among adults aged >=18 years, which ranks 72nd out of 99 lowa counties (44th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 63.2%, which ranks 70th out of 99 lowa counties (42nd out of 63 similarly-sized counties).

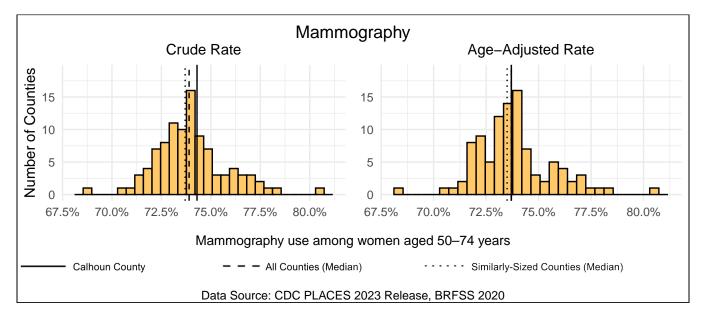
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	64.0%	66.0%	65.6%
Age-Adjusted	63.2%	65.3%	64.6%



Mammography

Calhoun County has a crude rate of 74.3% for mammography use among women aged 50–74 years, which ranks 36th out of 99 lowa counties (16th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 73.7%, which ranks 47th out of 99 lowa counties (25th out of 63 similarly-sized counties).

Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	74.3%	73.9%	73.7%
Age-Adjusted	73.7%	73.7%	73.5%



Disability

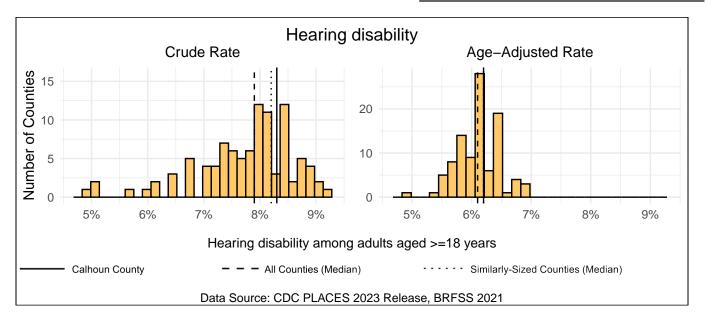
This section includes measures of physical and cognitive disabilities. Respondents were asked to report on six disabilities: hearing, vision, cognition, mobility, self-care, and independent living. The final measure reports the rate of respondents that answered yes to any of the previous six disabilities.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

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

Hearing disability

Calhoun County has a crude rate of 8.3% for hearing disability among adults aged >=18 years, which ranks 71st out of 99 lowa counties (35th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 6.2%, which ranks 53rd out of 99 lowa counties (28th out of 63 similarly-sized counties).

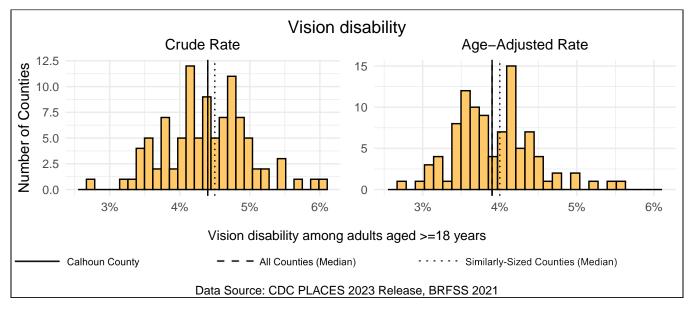
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties
Crude	8.3%	7.9%	8.2%
Age-Adjusted	6.2%	6.1%	6.2%



Vision disability

Calhoun County has a crude rate of 4.4% for vision disability among adults aged >=18 years, which ranks 46th out of 99 lowa counties (22nd out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 3.9%, which ranks 50th out of 99 lowa counties (27th out of 63 similarly-sized counties).

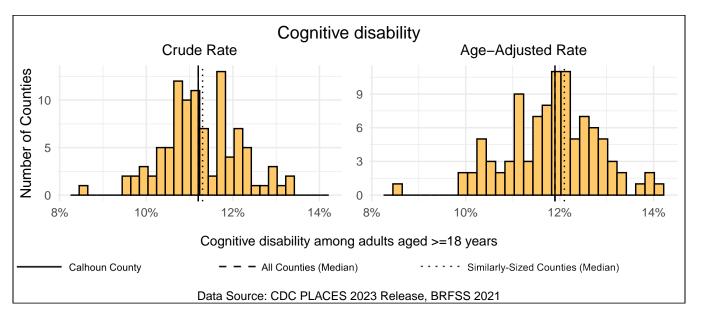
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties	
Crude	4.4%	4.4%	4.5%	
Age-Adjusted	3.9%	3.9%	4.0%	



Cognitive disability

Calhoun County has a crude rate of 11.2% for cognitive disability among adults aged >=18 years, which ranks 48th out of 99 lowa counties (26th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 11.9%, which ranks 46th out of 99 lowa counties (23rd out of 63 similarly-sized counties).

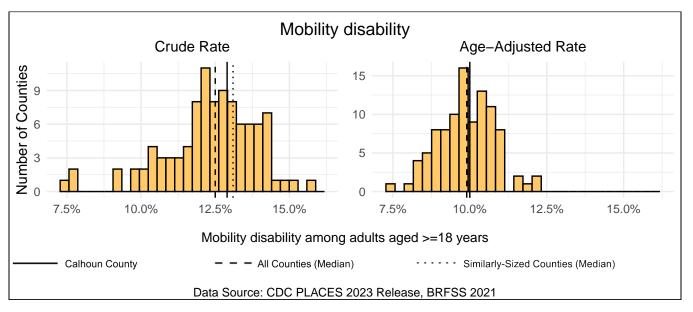
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties	
Crude	11.2%	11.2%	11.3%	
Age-Adjusted	11.9%	11.9%	12.1%	



Mobility disability

Calhoun County has a crude rate of 12.9% for mobility disability among adults aged >=18 years, which ranks 58th out of 99 lowa counties (27th out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 10.0%, which ranks 54th out of 99 lowa counties (31st out of 63 similarly-sized counties).

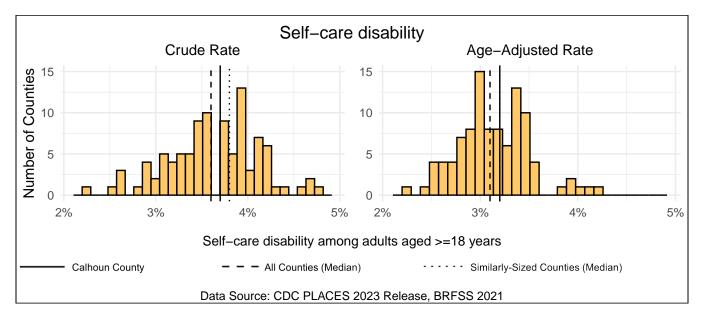
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties	
Crude	12.9%	12.5%	13.1%	
Age-Adjusted	10.0%	9.9%	10.0%	



Self-care disability

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

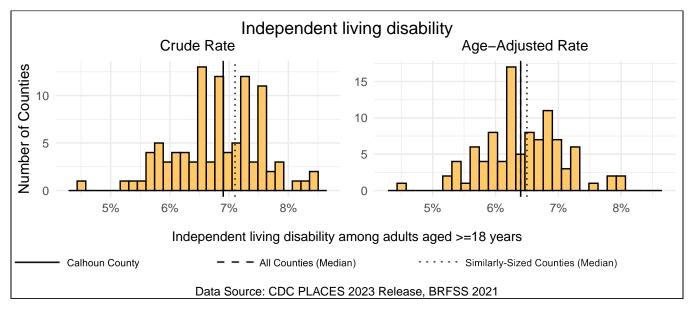
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties	
Crude	3.7%	3.6%	3.8%	
Age-Adjusted	3.2%	3.1%	3.2%	



Independent living disability

Calhoun County has a crude rate of 6.9% for independent living disability among adults aged >=18 years, which ranks 49th out of 99 lowa counties (24th out of 63 similarlysized counties). The age-adjusted rate for Calhoun County is 6.4%, which ranks 48th out of 99 lowa counties (24th out of 63 similarly-sized counties).

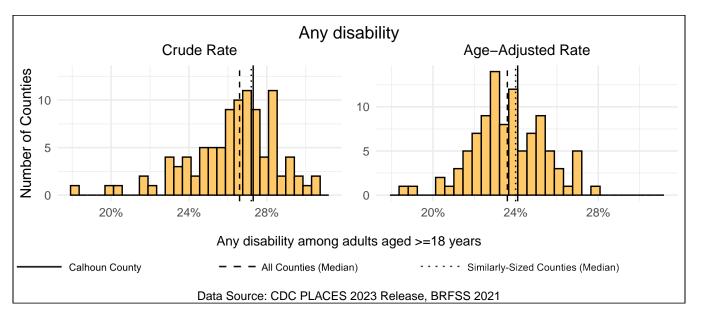
Measure Type	Calhoun County	All Counties	Similarly- Sized Counties	
Crude	6.9%	6.9%	7.1%	
Age-Adjusted	6.4%	6.4%	6.5%	



Any disability

Calhoun County has a crude rate of 27.3% for any disability among adults aged >=18 years, which ranks 65th out of 99 lowa counties (33rd out of 63 similarly-sized counties). The age-adjusted rate for Calhoun County is 24.1%, which ranks 61st out of 99 lowa counties (36th out of 63 similarly-sized counties).

Measure Type	Calhoun County	All Counties	Similarly- Sized Counties	
Crude	27.3%	26.6%	27.2%	
Age-Adjusted	24.1%	23.6%	24.0%	



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: Calhoun County PLACES Data

Category	Health Domain	Crude Rate Rank	Crude Rate (95% CI)	Age-Adj. Rate Rank	Age-Adj. Rate (95% CI)
Health Status	Mental Health	20	13.7% (11.8% - 15.7%)	28	15.2% (13.1% - 17.5%)
Health Status	General Health	48	15.0% (12.4% - 18.1%)	47	13.3% (11.0% - 16.0%)
Health Status	Physical Health	52	11.2% (9.5% - 12.9%)	52	10.0% (8.5% - 11.5%)
Health Risk Behaviors	Sleep <7 hours	36	29.7% (28.0% - 31.2%)	39	31.2% (29.4% - 32.9%)
Health Risk Behaviors	Current Smoking	44	16.6% (13.0% - 20.3%)	51	17.9% (13.9% - 21.7%)
Health Risk Behaviors	Physical Inactivity	55	27.2% (22.2% - 32.5%)	51	25.2% (20.3% - 30.1%)
Health Risk Behaviors	Binge Drinking	51	18.6% (15.3% - 22.2%)	70	21.9% (18.2% - 26.1%)
Health Outcomes	Arthritis	68	29.7% (25.2% - 34.0%)	68	23.5% (19.8% - 27.2%)
Health Outcomes	Obesity	83	39.8% (31.6% - 47.7%)	86	40.5% (32.3% - 48.3%)
Health Outcomes	High Cholesterol	47	37.5% (32.7% - 42.6%)	38	29.7% (25.1% - 34.4%)
Health Outcomes	Chronic Kidney Disease	55	3.5% (3.1% - 3.9%)	49	2.7% (2.4% - 2.9%)
Health Outcomes	Stroke	54	3.6% (3.1% - 4.2%)	45	2.7% (2.4% - 3.1%)
Health Outcomes	Current Asthma	11	9.1% (8.0% - 10.4%)	29	9.4% (8.2% - 10.7%)
Health Outcomes	Coronary Heart Disease	68	7.4% (6.3% - 8.5%)	47	5.2% (4.5% - 6.0%)
Health Outcomes	Depression	9	16.9% (13.7% - 20.3%)	12	18.0% (14.7% - 21.6%)
Health Outcomes	COPD	59	8.1% (6.5% - 9.7%)	50	6.4% (5.3% - 7.7%)
Health Outcomes	High Blood Pressure	83	35.7% (31.1% - 40.1%)	91	29.4% (25.2% - 33.3%)
Health Outcomes	Diabetes	56	11.2% (9.4% - 13.0%)	50	8.7% (7.3% - 10.1%)
Health Outcomes	All Teeth Lost	54	10.5% (6.7% - 14.5%)	58	11.5% (7.7% - 15.9%)
Health Outcomes	Cancer (except skin)	73	8.8% (7.9% - 9.8%)	26	6.4% (5.8% - 7.1%)
Prevention	Health Insurance	46	7.8% (5.9% - 10.1%)	43	8.2% (6.2% - 10.7%)
Prevention	Core preventive services for older men	64	41.7% (32.4% - 50.7%)	62	42.5% (33.6% - 51.0%)
Prevention	Taking BP Medication	45	81.0% (77.9% - 83.9%)	35	59.6% (54.4% - 64.8%)
Prevention	Dental Visit	72	64.0% (60.6% - 67.4%)	70	63.2% (59.6% - 66.8%)
Prevention	Annual Checkup	10	77.1% (72.4% - 81.5%)	15	73.7% (68.4% - 78.7%)
Prevention	Mammography	36	74.3% (69.7% - 78.6%)	47	73.7% (69.0% - 78.2%)

Category	Health Domain	Crude Rate Rank	Crude Rate (95% CI)	Age-Adj. Rate Rank	Age-Adj. Rate (95% CI)
Prevention	Cervical Cancer Screening	24	82.9% (80.0% - 85.3%)	30	83.4% (80.8% - 85.7%)
Prevention	Colorectal Cancer Screening	33	73.8% (70.8% - 76.8%)	45	70.6% (67.4% - 73.8%)
Prevention	Cholesterol Screening	41	82.7% (79.8% - 85.5%)	46	79.0% (75.3% - 82.3%)
Prevention	Core preventive services for older women	59	37.9% (30.1% - 45.7%)	49	39.7% (31.6% - 47.4%)
Disability	Any Disability	65	27.3% (22.9% - 31.6%)	61	24.1% (19.9% - 28.2%)
Disability	Cognitive Disability	48	11.2% (9.4% - 13.1%)	46	11.9% (9.9% - 13.9%)
Disability	Self-care Disability	51	3.7% (3.1% - 4.3%)	53	3.2% (2.7% - 3.7%)
Disability	Vision Disability	46	4.4% (3.7% - 5.2%)	50	3.9% (3.3% - 4.5%)
Disability	Hearing Disability	71	8.3% (7.2% - 9.4%)	53	6.2% (5.5% - 7.0%)
Disability	Independent Living Disability	49	6.9% (5.8% - 8.2%)	48	6.4% (5.4% - 7.5%)
Disability	Mobility Disability	58	12.9% (10.7% - 15.3%)	54	10.0% (8.3% - 11.7%)

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

Calhoun 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.

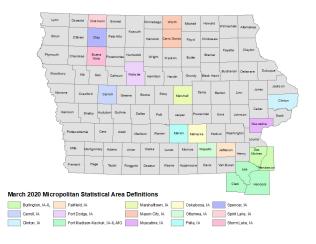
County	Population	County	Population	County	Population
Sioux County	35,893	Lyon County	12,011	Pocahontas County	7,074
Boone County	26,723	Chickasaw County	11,887	Ida County	6,956
Plymouth County	25,650	Shelby County	11,770	Fremont County	6,567
Buchanan County	20,657	Cherokee County	11,503	Wayne County	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.

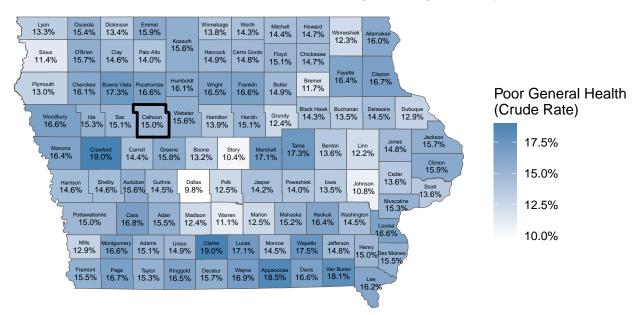
https://www.icip.iastate.edu/maps/refmaps/cofips







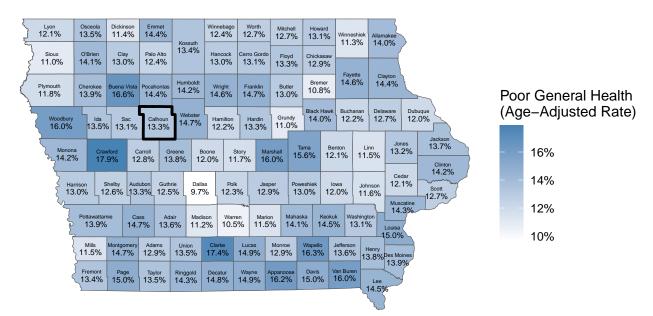
Appendix 4: County Maps



Poor General Health

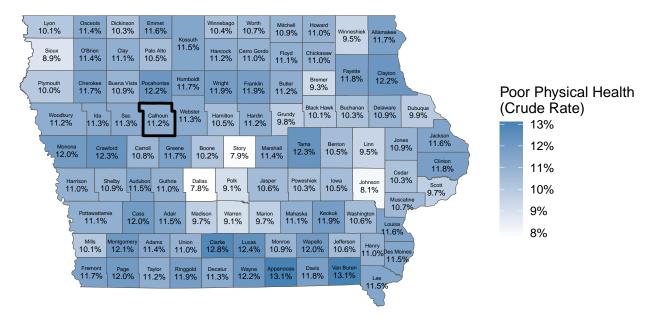
Fair or poor self-rated health status among adults aged >= 18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

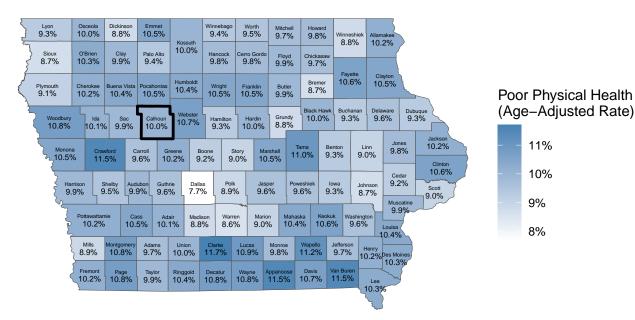


Poor Physical Health

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



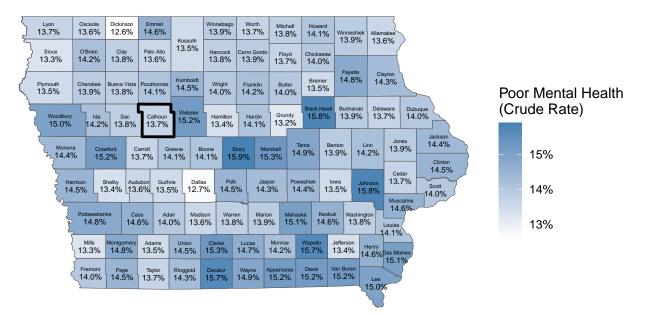
Data Source: CDC PLACES 2023 Release, BRFSS 2021



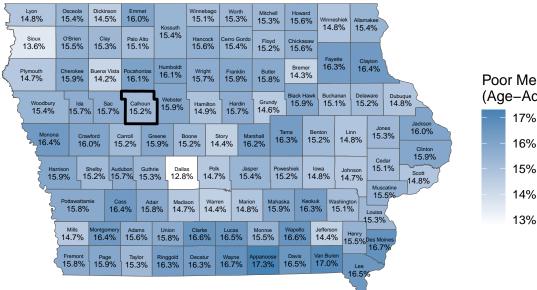
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Poor Mental Health

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



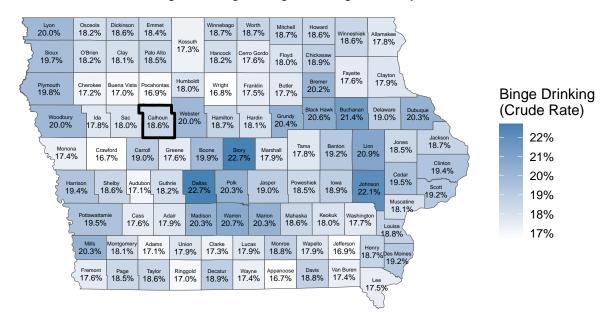
Data Source: CDC PLACES 2023 Release, BRFSS 2021



Poor Mental Health (Age-Adjusted Rate)

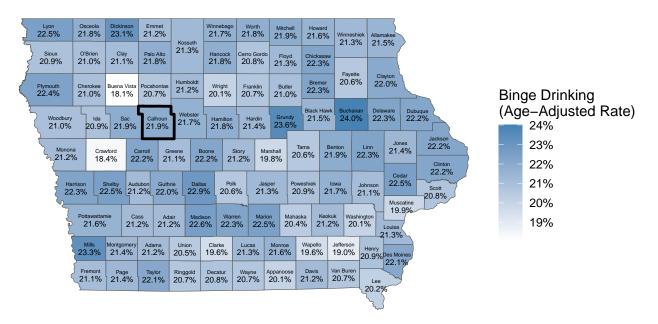


Binge Drinking

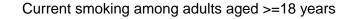


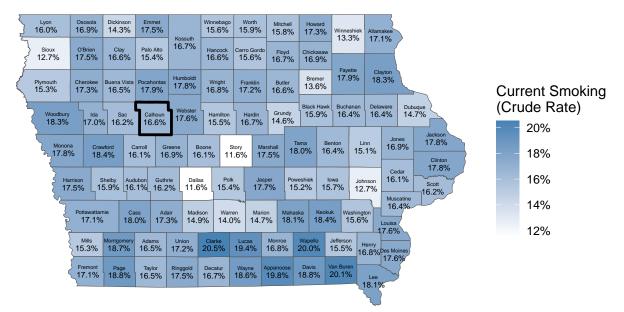
Binge drinking among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

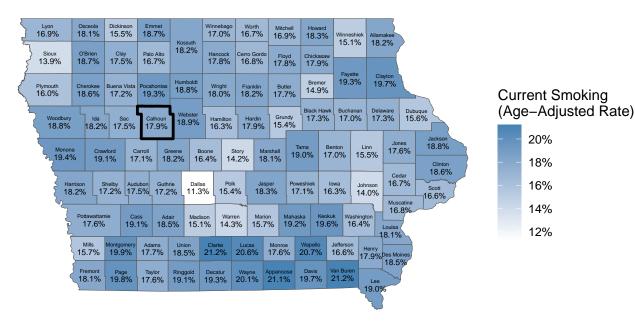


Current Smoking

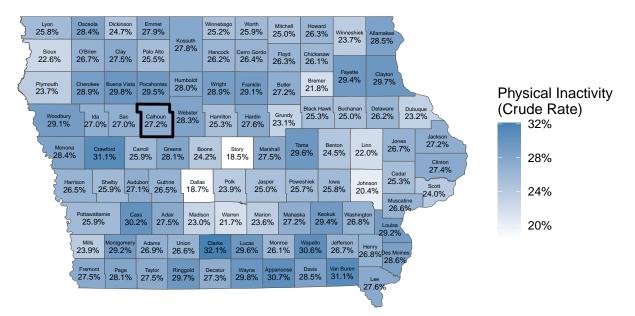




Data Source: CDC PLACES 2023 Release, BRFSS 2021

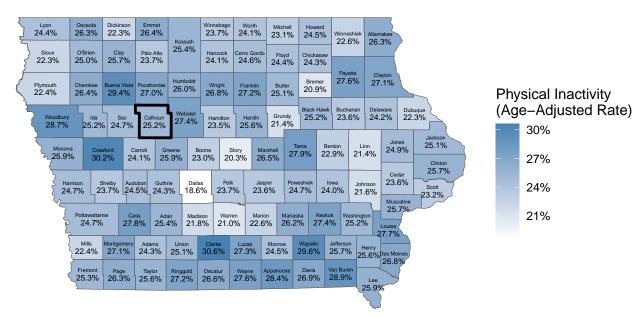


Physical Inactivity



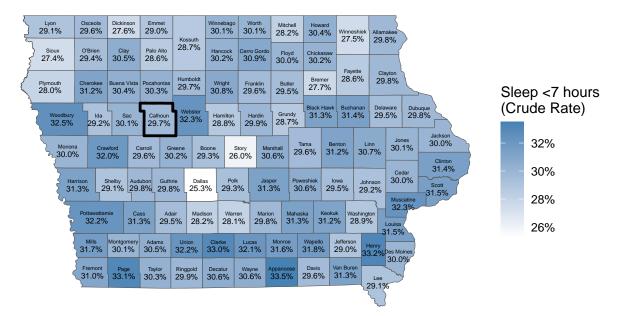
No leisure-time physical activity among adults aged >=18 years



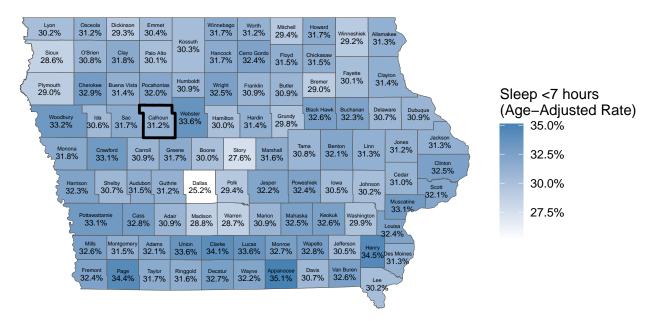


Sleep <7 hours

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

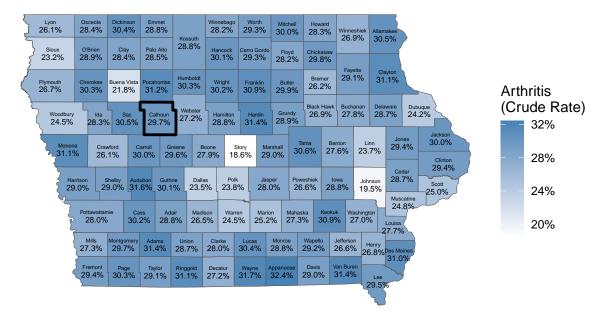


Data Source: CDC PLACES 2023 Release, BRFSS 2020

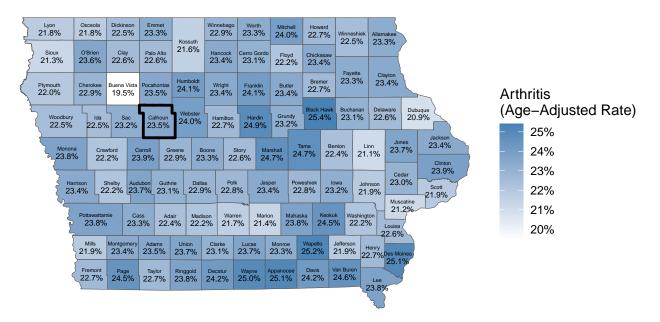


Arthritis

Arthritis among adults aged >=18 years

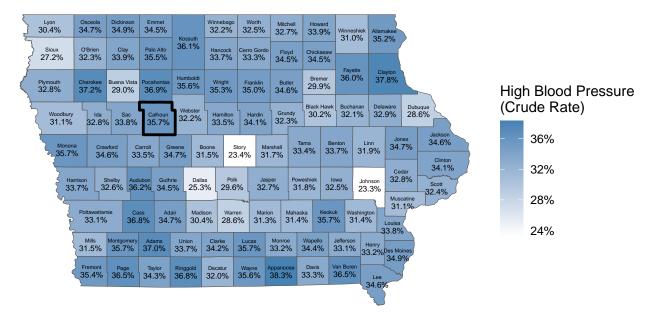


Data Source: CDC PLACES 2023 Release, BRFSS 2021

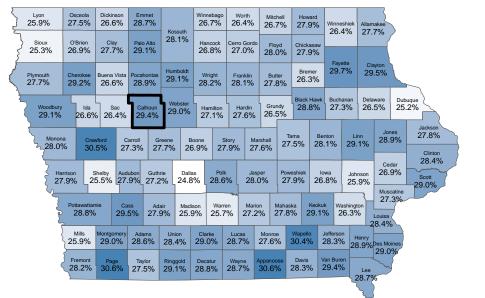


High Blood Pressure

High blood pressure among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



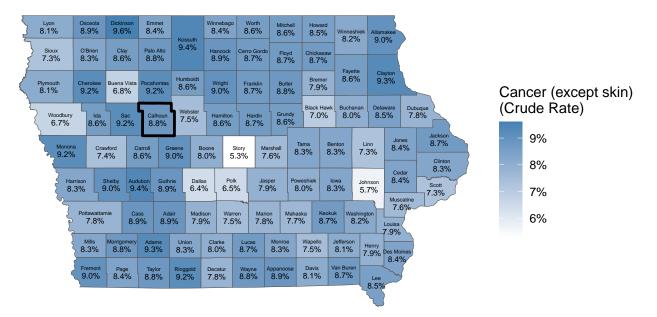
High Blood Pressure (Age–Adjusted Rate)



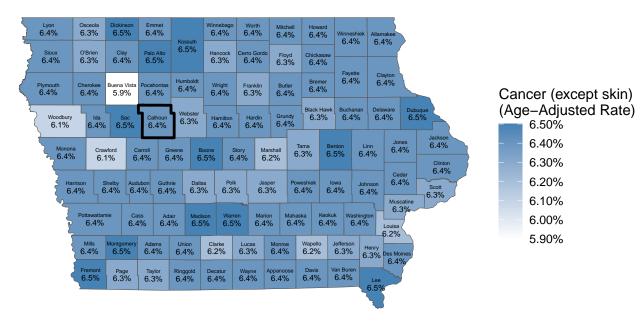
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Cancer (except skin)

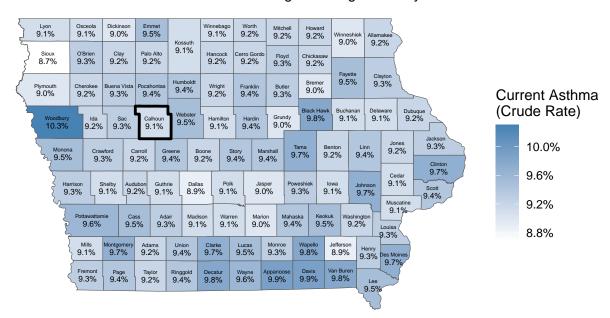
Cancer (excluding skin cancer) among adults aged >=18 years



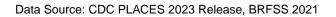
Data Source: CDC PLACES 2023 Release, BRFSS 2021

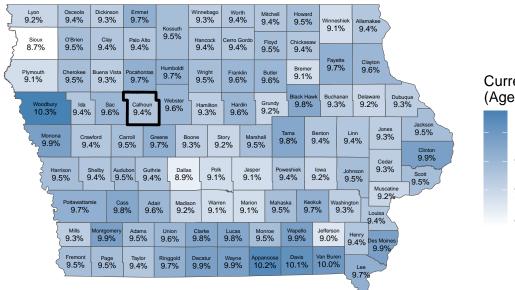


Current Asthma

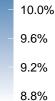


Current asthma among adults aged >=18 years



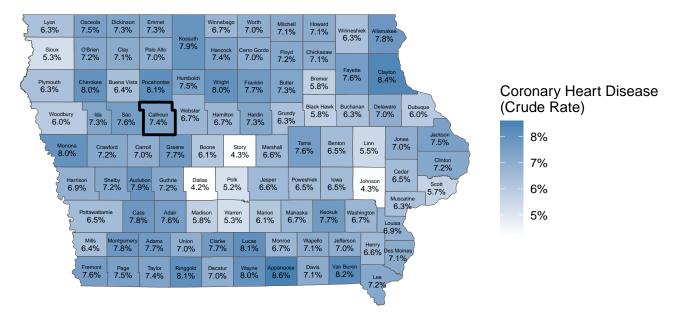


Current Asthma (Age–Adjusted Rate)

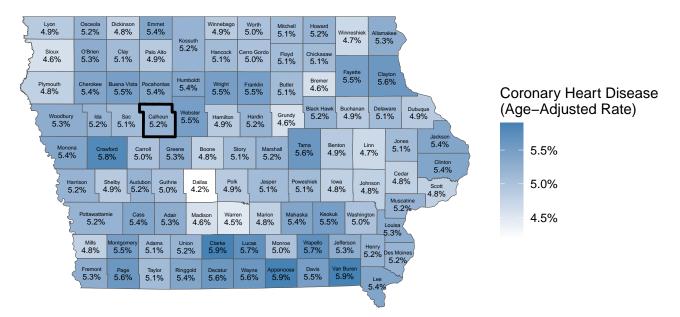


Coronary Heart Disease

Coronary heart disease among adults aged >=18 years

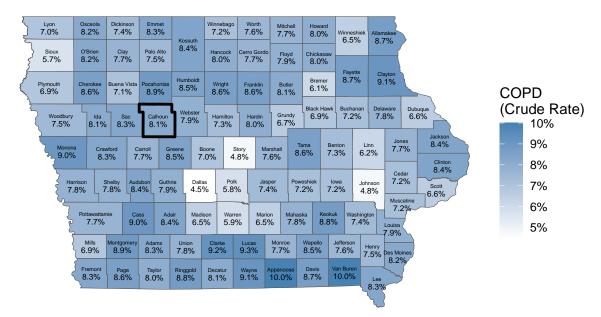


Data Source: CDC PLACES 2023 Release, BRFSS 2021

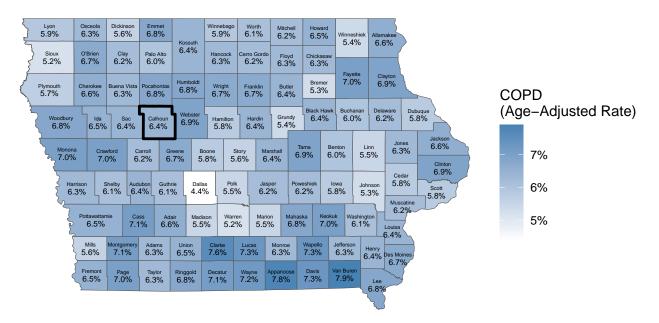


COPD

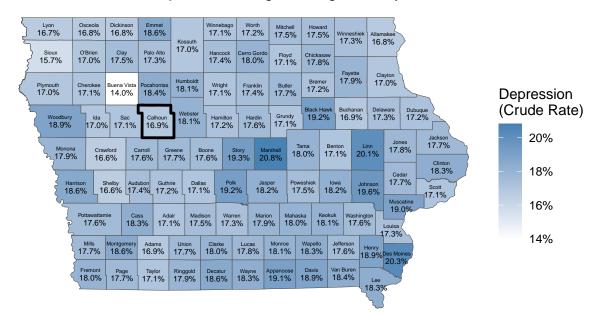
Chronic obstructive pulmonary disease among adults aged >=18 years



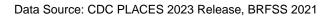
Data Source: CDC PLACES 2023 Release, BRFSS 2021

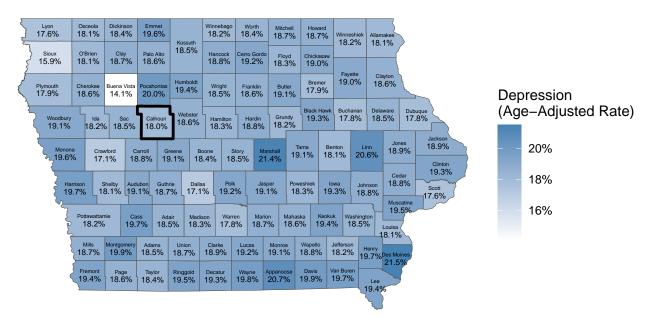


Depression

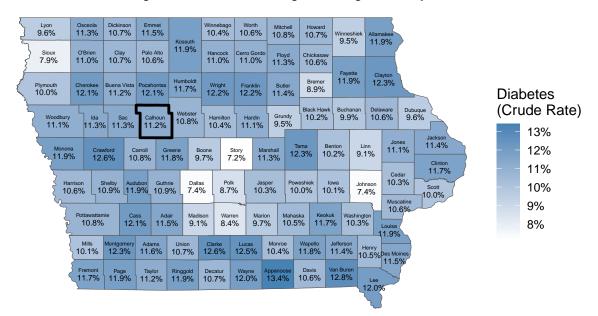


Depression among adults aged >=18 years



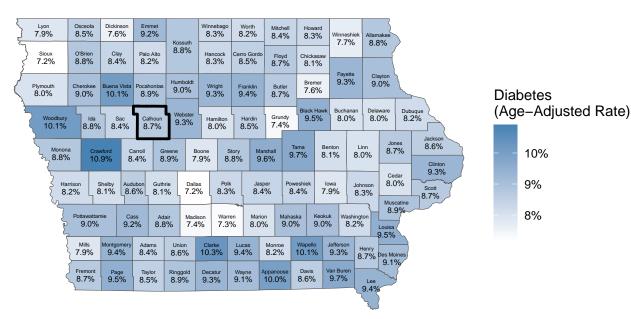


Diabetes



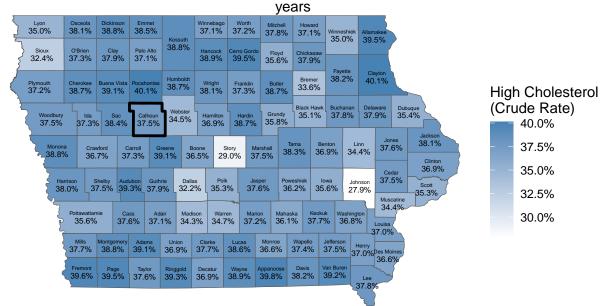
Diagnosed diabetes among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

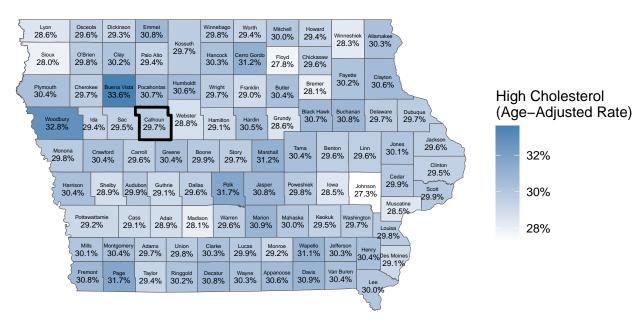


High Cholesterol

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

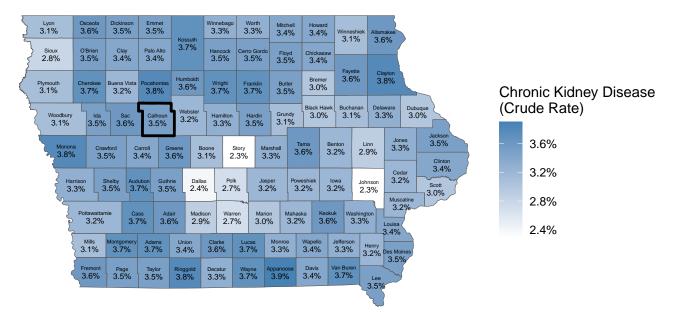


Data Source: CDC PLACES 2023 Release, BRFSS 2021

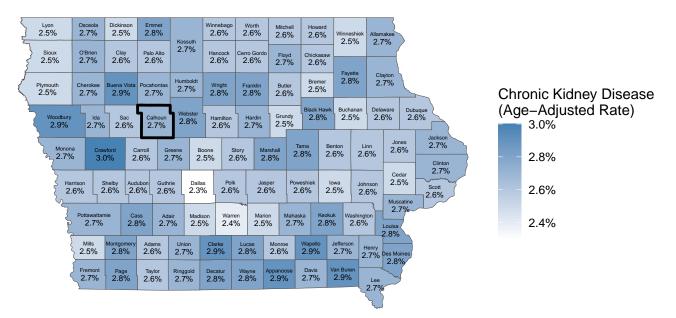


Chronic Kidney Disease

Chronic kidney disease among adults aged >=18 years

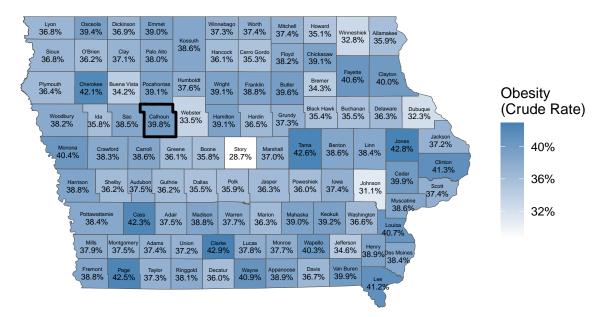


Data Source: CDC PLACES 2023 Release, BRFSS 2021

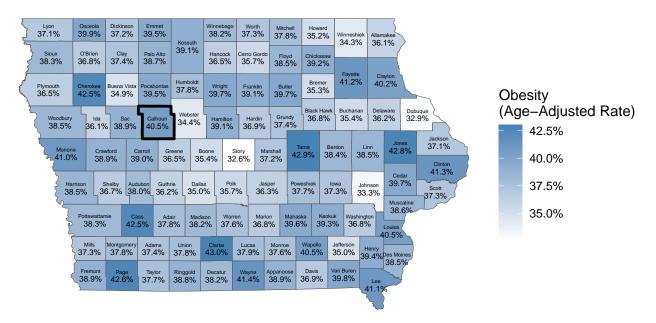


Obesity

Obesity among adults aged >=18 years

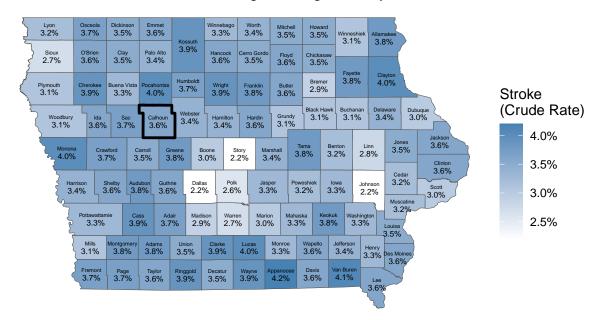


Data Source: CDC PLACES 2023 Release, BRFSS 2021

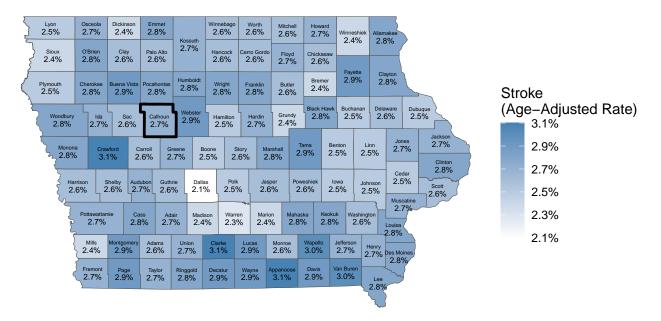


Stroke

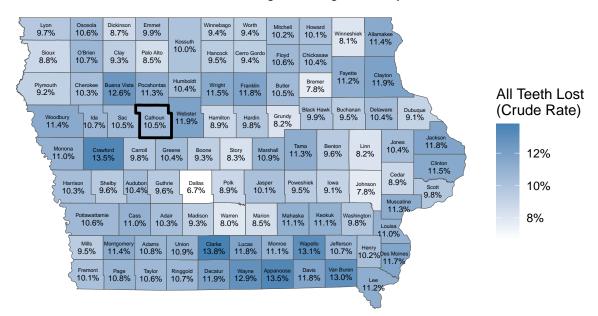
Stroke among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021

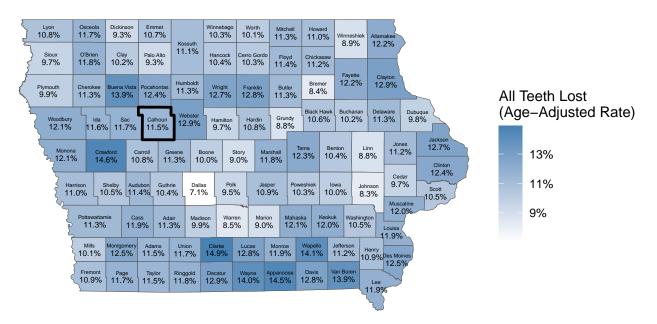


All Teeth Lost



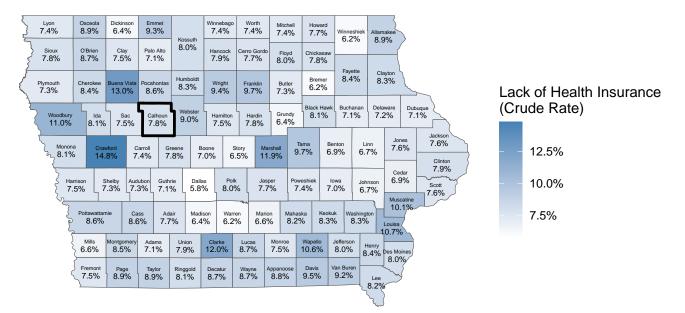
All teeth lost among adults aged >=65 years

Data Source: CDC PLACES 2023 Release, BRFSS 2020

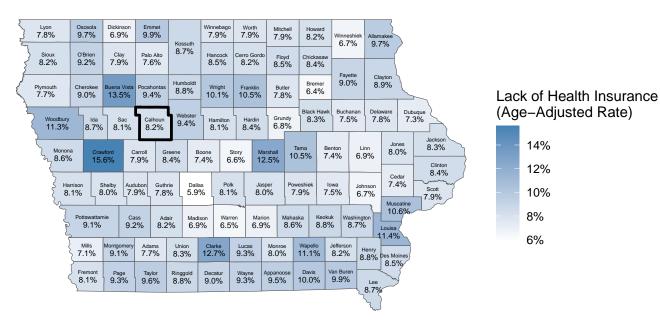


Lack of Health Insurance

Current lack of health insurance among adults aged 18-64 years



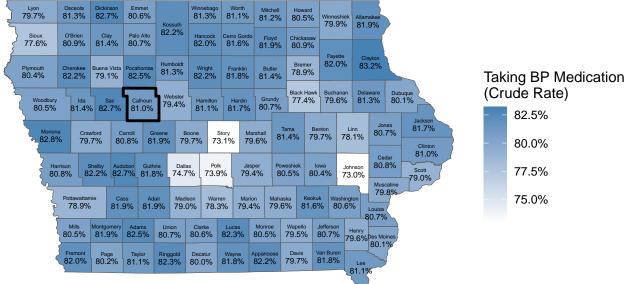
Data Source: CDC PLACES 2023 Release, BRFSS 2021



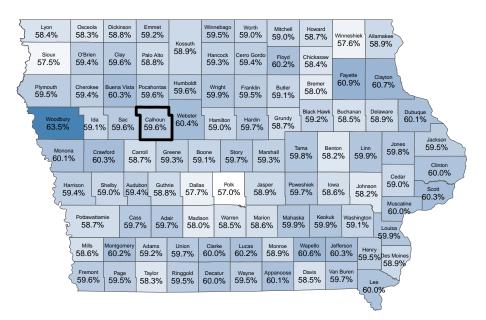
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Taking BP Medication

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



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Taking BP Medication (Age-Adjusted Rate)



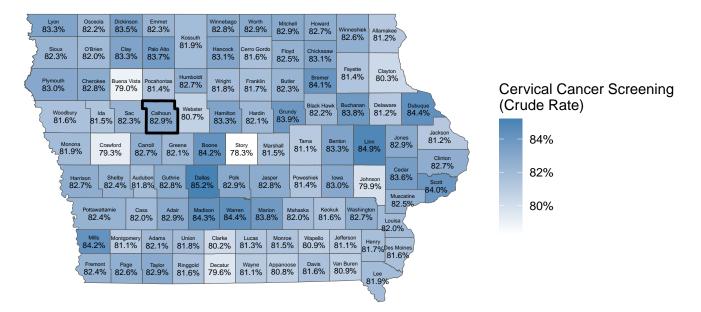
59% 58%

57%

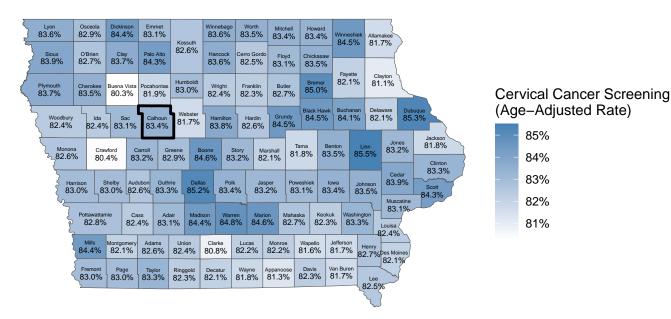
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Cervical Cancer Screening

Cervical cancer screening among adult women aged 21-65 years

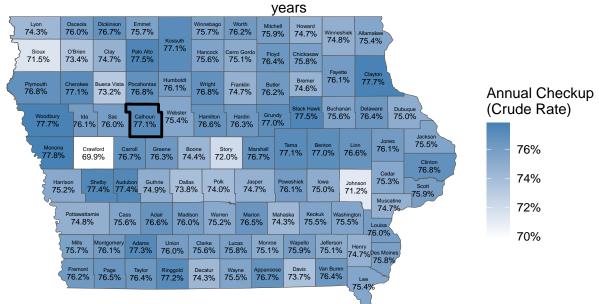


Data Source: CDC PLACES 2023 Release, BRFSS 2020



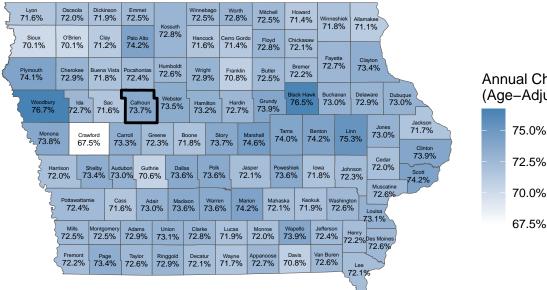
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Annual Checkup



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

Data Source: CDC PLACES 2023 Release, BRFSS 2021

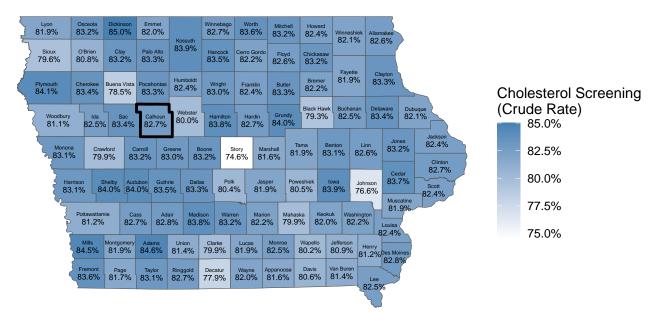


Annual Checkup (Age-Adjusted Rate)

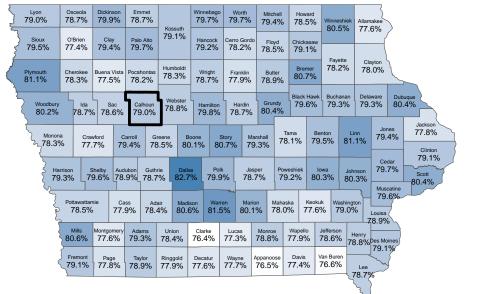


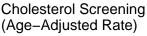
Cholesterol Screening

Cholesterol screening among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021





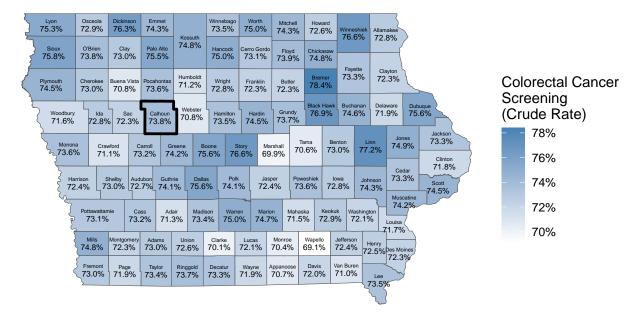


78%

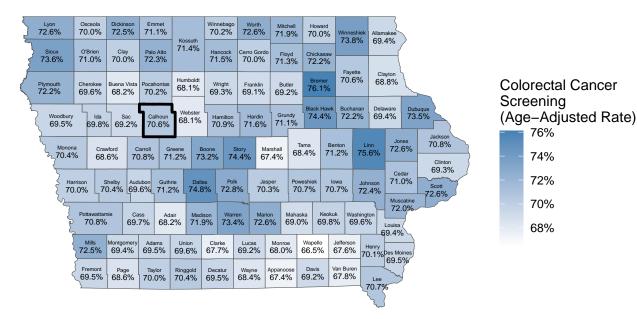
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Colorectal Cancer Screening

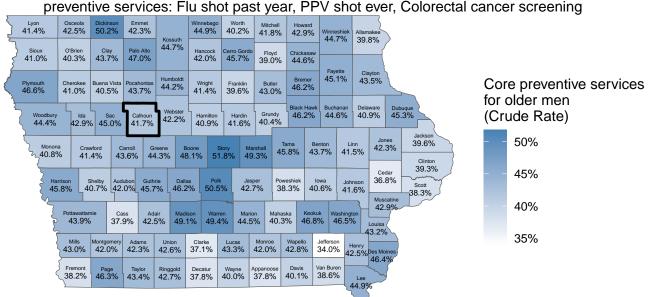
Colorectal cancer screening among adults aged 50-75 years



Data Source: CDC PLACES 2023 Release, BRFSS 2020

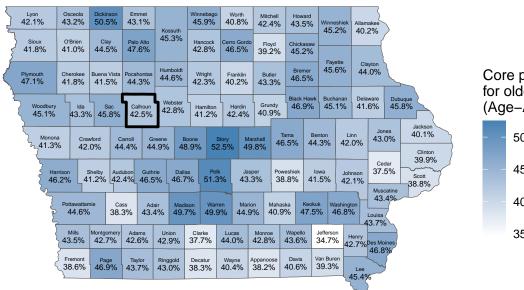


Core preventive services for older men



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

Data Source: CDC PLACES 2023 Release, BRFSS 2020

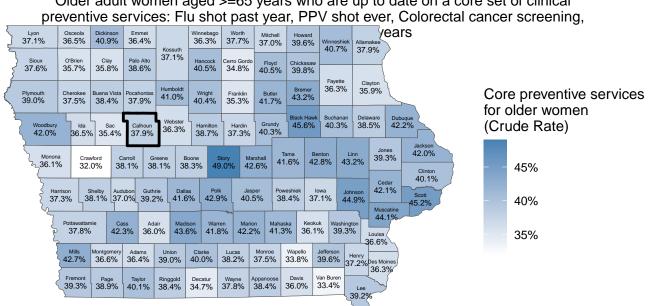


Core preventive services for older men (Age-Adjusted Rate)



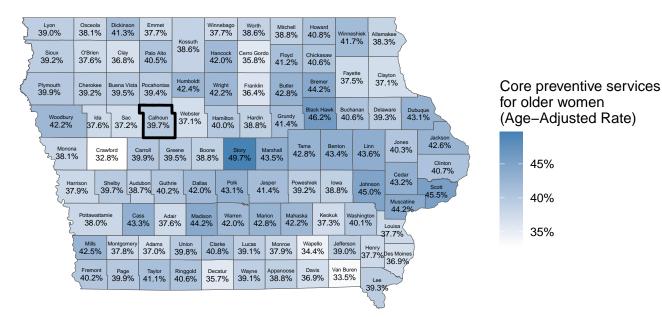
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Core preventive services for older women

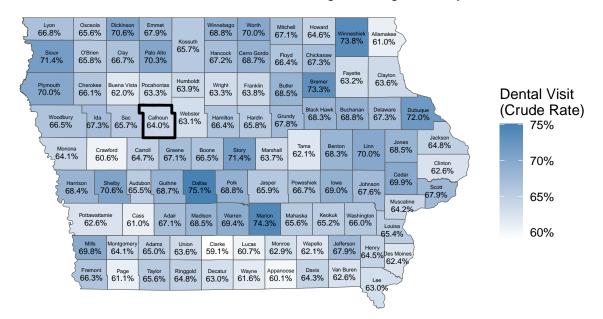


Older adult women aged >=65 years who are up to date on a core set of clinical

Data Source: CDC PLACES 2023 Release, BRFSS 2020

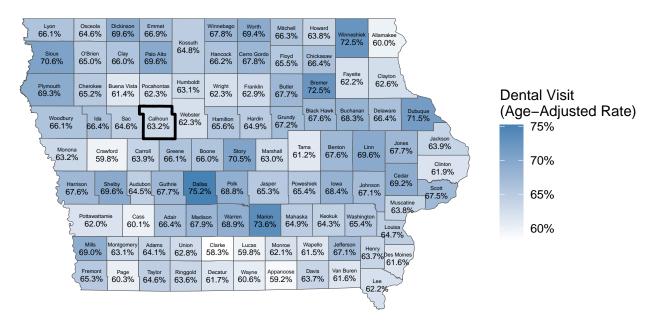


Dental Visit

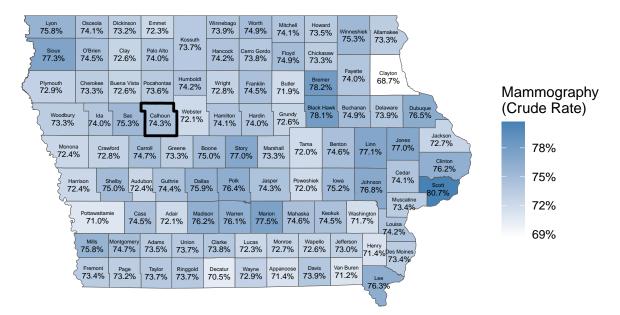


Visits to dentist or dental clinic among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2020

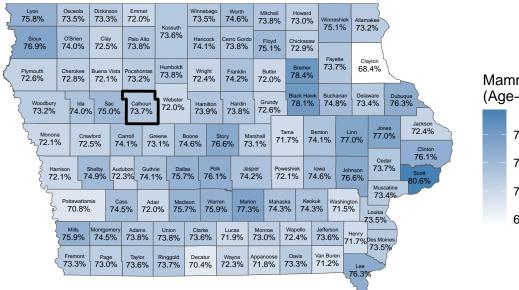


Mammography

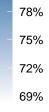


Mammography use among women aged 50-74 years

Data Source: CDC PLACES 2023 Release, BRFSS 2020

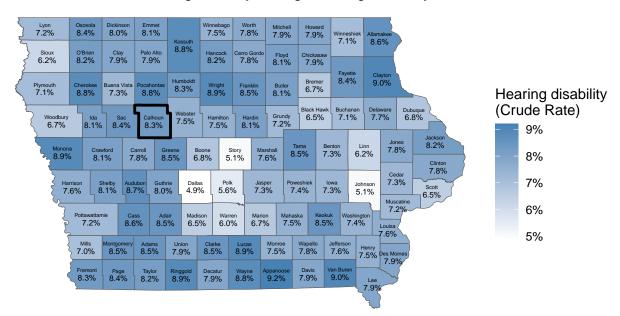


Mammography (Age–Adjusted Rate)

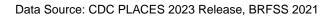


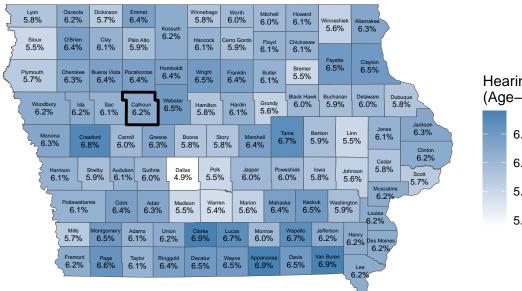
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Hearing disability

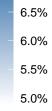


Hearing disability among adults aged >=18 years

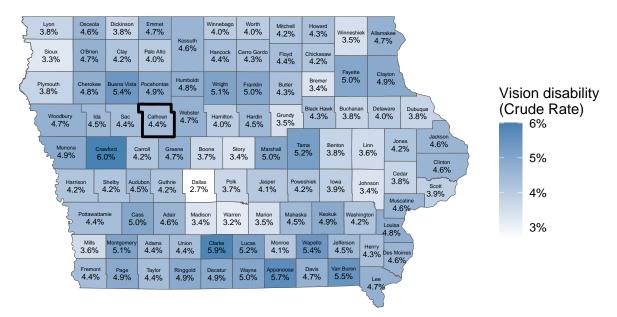




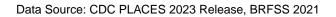
Hearing disability (Age-Adjusted Rate)

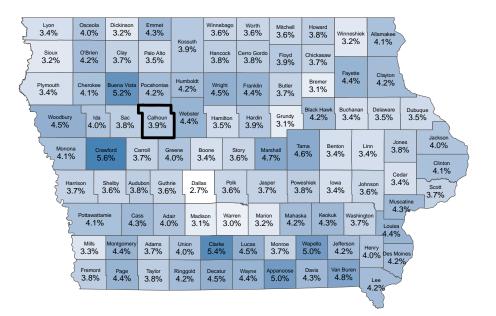


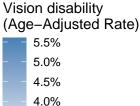
Vision disability



Vision disability among adults aged >=18 years



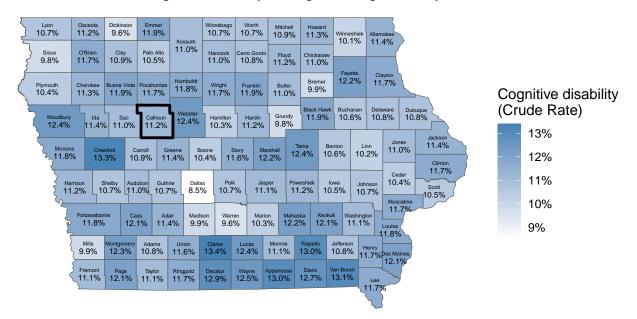






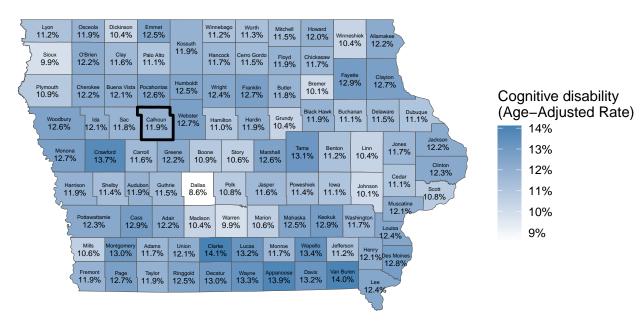
3.0%

Cognitive disability

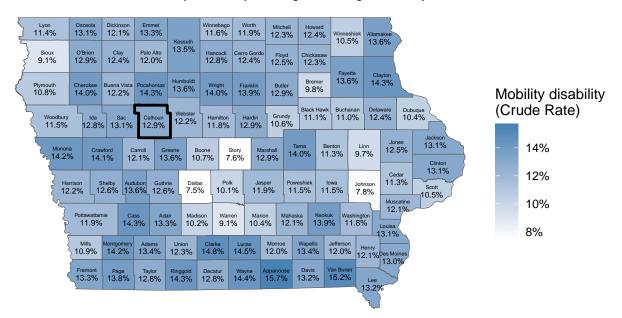


Cognitive disability among adults aged >=18 years

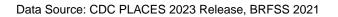
Data Source: CDC PLACES 2023 Release, BRFSS 2021

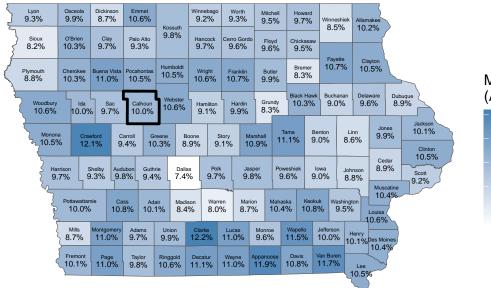


Mobility disability



Mobility disability among adults aged >=18 years





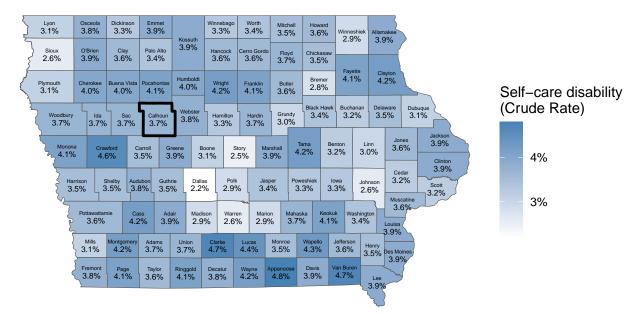
Mobility disability (Age–Adjusted Rate)

> - 11% - 10%

- 9%

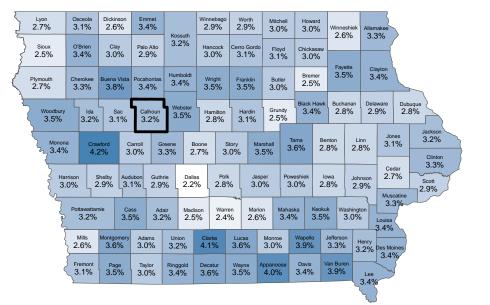
8%

Self-care disability

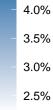


Self-care disability among adults aged >=18 years

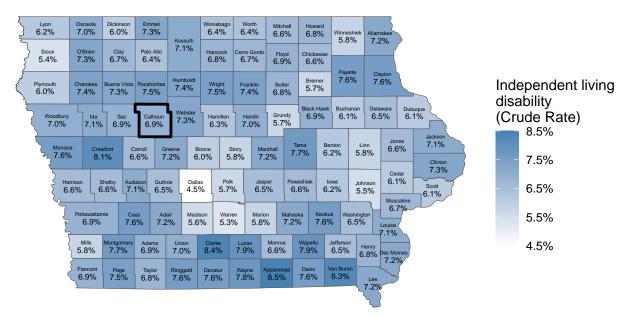
Data Source: CDC PLACES 2023 Release, BRFSS 2021



Self-care disability (Age-Adjusted Rate)

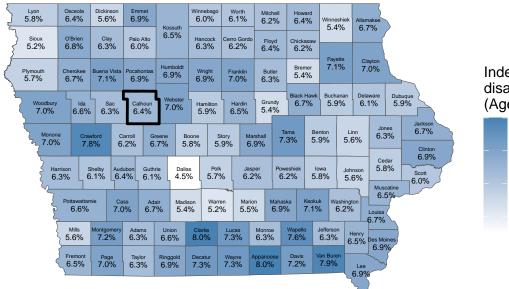


Independent living disability



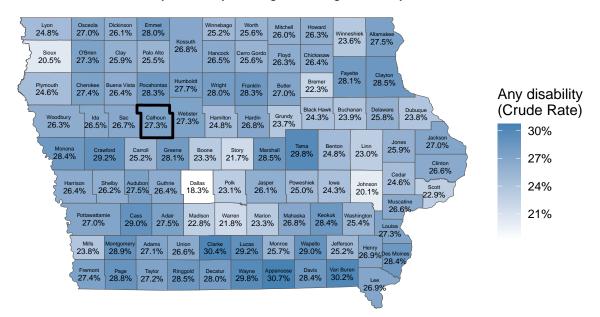
Independent living disability among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021



Independent living disability (Age-Adjusted Rate) 8% 7% 6% 5%

Any disability



Any disability among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

